PHASE II ENVIRONMENTAL SITE ASSESSMENT

BIRMINGHAM DRIVE TO VANDEGRIFT BOULEVARD

Interstate 5 North Coast Corridor Project

SAN DIEGO COUNTY, CALIFORNIA
DISTRICT 11-SD-5 (PM R28.4/R55.4)
EA 235800 (P ID 11-000-0159)

OCTOBER 2006

PHASE II
ENVIRONMENTAL SITE ASSESSMENT
INTERSTATE 5 EXPANSION
BIRMINGHAM DRIVE TO
VANDEGRIFT BOULEVARD
SAN DIEGO COUNTY, CALIFORNIA

PREPARED FOR:
State of California
Department of Transportation, District 11
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San Diego, California 92110

PREPARED BY:
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October 31, 2006
Project No. 105812001

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Mr. Joel Kloth
State of California
Department of Transportation, District 11
4050 Taylor Street, MS-242
San Diego, California 92110

Subject: Phase II Environmental Site Assessment
Interstate 5 Expansion
Birmingham Drive to Vandegrift Boulevard
San Diego County, California

Dear Mr. Kloth:

In general accordance with the subconsultant agreement between Ninyo & Moore and Boyle Engineering dated February 14, 2006, Task Order No. TO2 06-01 dated February 17, 2006, and Amendment No. 1 dated June 28, 2006, we have prepared this Phase II Environmental Site Assessment of the subject site (site). The attached report presents our methodology, findings, opinions, conclusions, and recommendations regarding the environmental assessment at the site.

We appreciate the opportunity to provide environmental consulting services to the Department on this important project. If you have questions regarding this report, please contact the undersigned at your convenience.

Sincerely,
NINYO & MOORE

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TABLE OF CONTENTS

Page

EXECUTIVE SUMMARY 1

1. INTRODUCTION 4

2. SITE LOCATION AND DESCRIPTION 4

3. PROJECT OBJECTIVES 4

4. SCOPE OF WORK 5

5. PREVIOUS ENVIRONMENTAL WORK 7

6. AERIALLY DEPOSITED LEAD (ADL) VARIANCE 8

7. INVESTIGATIVE METHODS 8
   - 7.1. PERMITS, NOTIFICATIONS, AND INTERACTION WITH REGULATORY AGENCY PERSONNEL 8
   - 7.2. SITE SAFETY 9
   - 7.3. BORING LOCATIONS 9
   - 7.4. GEOPHYSICAL CLEARANCE 10
   - 7.5. HAND AUGER DRILLING AND SOIL SAMPLING 10
   - 7.6. HOLLOW-STEM AUGER DRILLING AND SOIL SAMPLING 10
   - 7.7. GROUNDWATER SAMPLING 11
   - 7.8. PALOMAR AIRPORT ROAD GROUNDWATER SAMPLING 12
   - 7.9. TRIP BLANKS AND FIELD BLANKS 13
   - 7.10. ANALYTICAL TESTING PROGRAM 13
   - 7.11. SAMPLE LABELING, CONTAINERS, PRESERVATIVES, AND HOLDING TIMES 15
   - 7.12. FIELD DOCUMENTATION 15
     - 7.12.1. DAILY FIELD LOGS 16
     - 7.12.2. BORING LOGS 16
     - 7.12.3. CHAIN-OF-CUSTODY 16
   - 7.13. DECONTAMINATION PROCEDURES FOR NON-SAMPLE CONTACTING EQUIPMENT 17
   - 7.14. SOIL AND FLUID DISPOSAL 17
   - 7.15. AIR MONITORING DURING DRILLING 17
   - 7.16. DEVIATIONS FROM THE WORK PLAN 18

8. ASSESSMENT RESULTS AND FIELD OBSERVATIONS 19
   - 8.1. GEOGRAPHY 19
   - 8.2. GEOLOGY 19
     - 8.2.1. REGIONAL GEOLOGIC SETTING 19
     - 8.2.2. SITE GEOLOGIC CONDITIONS 19
   - 8.3. HYDROGEOLOGY 20
     - 8.3.1. REGIONAL HYDROGEOLOGIC SETTING 20
     - 8.3.2. SITE HYDROGEOLOGIC CONDITIONS 22

8.4. ANALYTICAL RESULTS 23
8.4.1. RIGHT-OF-WAY HAND AUGER SOIL SAMPLE RESULTS 23
8.4.2. PRIVATE PROPERTY HAND AUGER SOIL SAMPLE RESULTS 23
8.4.3. HOLLOW-STEM AUGER BORING SOIL SAMPLE RESULTS 24
8.4.4. HOLLOW-STEM AUGER BORING GROUNDWATER SAMPLE RESULTS 24
8.4.5. PALOMAR AIRPORT ROAD MONITORING WELL GROUNDWATER SAMPLE RESULTS 24
8.4.6. QUALITY ASSURANCE/QUALITY CONTROL SAMPLE RESULTS 25

9. DATA EVALUATION AND DISCUSSION 25
9.1. SOIL DATA EVALUATION AND DISCUSSION 25
9.2. GROUNDWATER DATA EVALUATION AND DISCUSSION 28

10. RECOMMENDATIONS 29

11. PROJECT PERSONNEL AND SUBCONTRACTORS 29

12. LIMITATIONS 30

13. SELECTED REFERENCES 32

Tables

Table 1 – Soil and Groundwater Sampling Protocol - Hollow-Stem Auger Borings 14
Table 2 – Hydrologic Setting and Uses 20
Table 3 – Depth to Groundwater 23
Table 4 – Summary of Hand Auger Boring Soil Sample Analytical Results - Lead and pH
Table 5 – Hand Auger Soil Sample Results - Statistics Worksheet
Table 6 – Summary of Hand Auger Boring Soil Sample Analytical Results - Detected Title 22 Metals
Table 7 – Summary of Hand Auger Boring Soil Sample Analytical Results - Detected Pesticides and Herbicides
Table 8 – Summary of Hollow-Stem Auger Boring Soil Sample Analytical Results - TPH, Detected VOCs, SVOCs, and PCBs
Table 9 – Summary of Hollow-Stem Auger Boring Soil Sample Analytical Results - Detected Title 22 Metals
Table 10 – Summary of Hollow-Stem Auger Boring Groundwater Sample Analytical Results - TPH, VOCs, SVOCs, and PCBs
Table 11 – Summary of Hollow-Stem Auger Boring Groundwater Sample Analytical Results - Detected Metals
Table 12 – Palomar Airport Road Groundwater Sample Analytical Results - TPH and Detected VOCs
Table 13 – Palomar Airport Road Groundwater Elevation Measurements
Table 14 – Summary of Hand Auger Boring Quality Control Sample Analytical Results
Table 15 – Summary of Hollow-Stem-Auger Boring Quality Control Sample Analytical Results - TPH, VOCs, SVOCs, Title 22 Metals, and PCBs
Table 16 – Palomar Airport Road Quality Control Sample Analytical Results - TPH and Detected VOCs
Table 17 – Summary of Phase II Environmental Site Assessment Activities

Figures

Figure 1 – Site Location Map
Figure 2 – Boring Location Map, Tamarack Avenue
Figure 3 – Boring Location Map, Brooks Street & Mission Avenue
Figure 4 – Boring Location Map, Oceanside Boulevard
Figure 5 – Boring Location Map, Palomar Airport Road
Figure 6 – Boring Location Map, Carlsbad Village Drive
Figure 7 – Hand Auger Boring Locations, APNs: 260-181-64, 68, 69, 92
Figure 8 – Hand Auger Boring Locations, APN: 211-010-24
Figure 9 – Hand Auger Boring Locations, APNs: 261-210-01, 16, 20
Figure 10 – Hand Auger Boring Locations, APNs: 256-122-46, 48, 49, 53
Figure 11 – Monitoring Well Location Map, Palomar Airport Road
Figure 12 – Extent of Groundwater Plume, Palomar Airport Road

Plates

Plate 1 – Hand Auger Boring Locations, Birmingham Drive to Palomar Airport Road
Plate 2 – Hand Auger Boring Locations, Palomar Airport Road to Vandegrift Boulevard

Appendices

Appendix A – 60-Day Report
Appendix B – Geophysical Survey Report
Appendix C – Non-Hazardous Waste Manifests
Appendix D – Laboratory Analytical Reports

EXECUTIVE SUMMARY

Ninyo & Moore has prepared this Phase II Environmental Site Assessment (ESA) report for a soil and groundwater assessment and aerially deposited lead (ADL) survey performed along the Interstate 5 (I-5) corridor from the Birmingham Drive interchange to the Vandegrift Boulevard interchange (site), in San Diego County, California. The Phase II ESA was conducted in anticipation of the expansion of I-5 from the Genesee Avenue interchange to the Vandegrift Boulevard interchange, and reconstruction of the interchanges along this corridor.

Previous soil sampling and analysis by the California Department of Transportation (Department) indicated that ADL is present in shallow soil within the median and shoulders of the subject section of I-5. To complement these data, Ninyo & Moore conducted an ADL survey of soil in the unpaved areas along the northbound and southbound shoulder areas, as well as in the unpaved areas within the interchanges, of this segment of I-5. The survey included hand augering 289 borings to depths of between 0.3 and 1.5 meters (1 and 5 feet) below ground surface (bgs) and collecting a soil sample at the total depth of each boring. Soil samples were analyzed for total lead and, as appropriate, soluble lead.

Total lead was detected in 280 of the 289 samples collected at concentrations ranging from 1.0 to 410 milligrams per kilogram (mg/kg). None of the samples exceeded the total threshold limit concentration of 1,000 mg/kg, a California hazardous waste criterion. The upper 80% confidence level of the mean concentration of total lead in the soil samples analyzed was 25.85 mg/kg. Soil samples collected from 31 hand auger borings contained concentrations of lead that equaled or exceeded the 50 mg/kg threshold criterion for additional leachability testing. Twenty-one of the 31 soil samples with concentrations of lead at or above 50 mg/kg leached lead, using the Waste Extraction Test (WET) method, at concentrations at or above 5 milligrams per liter (mg/ℓ), a California hazardous waste criterion. None of the samples analyzed using the toxicity characteristic leaching procedure (TCLP) method leached lead at concentrations at or above 5 mg/ℓ, a federal hazardous waste criterion. Ten samples leached lead above the ADL variance criterion of 0.5 mg/ℓ using the modified WET method. The pH of the soil samples analyzed ranged from 4.5 to 8.9; two of the samples were below the pH criterion of 5.0 in the variance.

Based on the analytical results of the hand auger samples, the soil assessed could be reused on site under the provisions set forth in the ADL variance granted to the Department. The data further suggest that the soil on the shoulders as a whole would not be considered a hazardous waste for disposal purposes; however, additional analytical data may be required by local regulators or waste disposal facilities prior to off-site disposal.

In addition, according to a representative of the Department, facilities with known unauthorized releases are located adjacent to some of the interchanges along I-5. Based on this information and anticipated reconstruction requirements of the interchanges (e.g., deep foundations, potential construction dewatering), Ninyo & Moore assessed soil and groundwater at the Palomar Airport Road, Oceanside Boulevard, Tamarack Avenue, Carlsbad Village Drive, and Mission Avenue interchanges, as well as portions of the Olympus Street Landfill and Maxson Street Landfill (Brooks Street). The assessment included drilling 11 borings by hollow-stem auger to depths

ranging from 5.2 to 30.6 meters (17 to 100 feet) bgs and collecting soil samples from the borings. Groundwater samples were collected from the borings, when encountered.

Based on field observations and potential contaminants of concern, select soil samples collected from the hollow-stem auger borings were analyzed for total petroleum hydrocarbons in the gasoline range (TPH-g) and diesel range (TPH-d), volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), and Title 22 metals. Groundwater samples collected from eight borings were analyzed for TPH-g, TPH-d, VOCs, SVOCs, PCBs, and Title 22 metals.

Based on information obtained from hollow-stem auger borings, petroleum hydrocarbon soil is present at depths ranging from 1.5 to 3 meters (5 to 10 feet) bgs in borings NM03-B8 and B9 (Carlsbad Village Drive and Mission Avenue, respectively). Benzene-impacted soil was identified at Palomar Airport Road in boring NM03-B7 at depths of 9 and 10.5 meters (30 and 35 feet) bgs; however, impacted soil may also occur at shallower depths given that soil was not sampled at depths shallower than 9 meters (30 feet) bgs. Concentrations of some Title 22 metals were detected in all of the soil samples analyzed for metals; however, with the exception of chromium in the samples collected at 1.5 and 6.2 meters (5 and 20 feet) bgs in boring NM03-B11 (Brooks Street) and the concentration of lead in the sample collected at 1.5 meters (5 feet) bgs in boring NM03-B10 (Brooks Street), the concentrations detected were not above threshold criteria that would suggest leachability would be of concern for disposal purposes. The leachability of chromium in the samples collected from NM03-B11 were not reported at concentrations that would indicate the soil would be considered a hazardous waste. The sample containing elevated lead could not be analyzed for leachability due to a lack of adequate sample volume to perform the analysis.

Soil containing concentrations of TPH and VOCs may be considered a waste by the local regulatory agency if the soil is excavated and disposed of off site. Methylene chloride detected in the 1.5-meter (5 foot) sample collected at Brooks Street in boring NM03-B10 may be due to laboratory contamination. Likewise, the presence of bis-2 (ethylhexyl) phthalate (BEHP) in several of the samples collected from NM03-B10 and B11 may also indicate the presence of laboratory contamination.

Groundwater samples were collected from 12 of the existing groundwater monitoring wells in the vicinity of the Palomar Airport Road interchange to evaluate the current conditions of the groundwater plume in the vicinity of the interchange. Groundwater samples collected from these wells contained elevated levels of TPH and petroleum-related compounds. In addition, free product was detected at monitoring well MW-13, northeast (upgradient) of the interchange. The concentrations of TPH, VOCs, and some metals, as well as the presence of free product may be of concern if dewatering in these areas is proposed. The dewatering effluent may require treatment prior to discharge into the storm sewer or sanitary sewer under permit. The presence of TPH and VOCs in the groundwater samples are likely due to off-site sources related to petroleum and chlorinated solvent releases adjacent to the east of the highway.

Because the Department may acquire certain privately-owned parcels or portions thereof along the Department right-of-way, some with former and current agricultural land use, shallow soil sampling was performed on select parcels by drilling shallow hand auger borings to 0.6 meters (2 feet) bgs. The samples were analyzed for Title 22 metals and/or herbicides and organophosphorous/organochlorine pesticides.

The concentrations of Title 22 metals in soil samples collected from the Olympus Street Landfill vicinity did not contain metals at concentrations that would suggest leachability would be of concern with the exception of lead at a concentration of 200 mg/kg in the sample I5SB-OLY-HA290-1.0. Additional leachability testing was not requested at the time the analytical results were received and the sample has been disposed of. Therefore, the analysis could not be performed.

Herbicides and organophosphorous pesticides were not detected above reporting limits in the soil samples collected from the hand auger borings. Several chlorinated pesticides were reported in soil samples collected from hand auger borings, most below hazardous waste criteria. However, toxaphene was detected above the California hazardous waste criterion of 5 mg/kg in one sample, and three samples contained a total concentration of DDD/DDE/DDT above 1 mg/kg, the California hazardous waste criterion.

Based upon the results of the site assessment activities conducted, current and future uses of the site, and anticipated general construction activities that may be associated with the proposed widening of the subject corridor, the following recommendations are provided:

- Soil impacted by lead should be handled and reused in accordance with the provisions of the California Department of Toxic Substances Control ADL Variance.

- Soil subject to export should be characterized for the appropriate reuse or waste classification and in accordance with the requirements of the permitted disposal facility.

- Construction dewatering effluent may require treatment prior to discharge, under a National Pollutant Discharge Elimination System or sewer discharge permit. Specifically, at Palomar Airport Road, concentrations of petroleum constituents are elevated and may require treatment if encountered in the dewatering effluent. Also, the presence of free product (MW-13) should be considered when dewatering plans are prepared.

- Due to the presence of impacted soils, construction activities should be performed in accordance with a site-specific health and safety plan and a soil management plan.

1. INTRODUCTION

At the request of the State of California, Department of Transportation, District 11 (Department), the San Diego Association of Governments (SANDAG), and Boyle Engineering (Boyle), Ninyo & Moore has conducted a Phase II Environmental Site Assessment (ESA) for the Interstate 5 (I-5) expansion between the Birmingham Drive and Vandegrift Boulevard interchanges in San Diego County, California (site). Our scope of work was based upon the services as described in Task Order No. TO2 06-01 dated February 17, 2006 and Amendment No. 1 dated June 28, 2006. The work was conducted in general accordance with the subconsultant agreement between Ninyo & Moore and Boyle Engineering dated February 14, 2006, and the applicable County of San Diego Department of Environmental Health (DEH) Site Assessment and Mitigation (SAM) guidelines.

2. SITE LOCATION AND DESCRIPTION

The site encompasses the Department right-of-way (ROW) along the northbound and southbound shoulders of I-5, where the southern boundary of the site is the northern terminus of the Birmingham Road interchange and the northern boundary is the northern terminus of the Vandegrift interchange, as well as several privately-owned parcels adjacent to the ROW (site, Figure 1). The site assessment work was completed along the ROW and the specific interchanges at Palomar Airport Road, Tamarack Avenue, Carlsbad Village Drive, Oceanside Boulevard, and Mission Avenue. Additional site assessment was completed at several privately-owned properties at Birmingham Drive, the McKinnon Avenue overpass, Encinitas Boulevard, and Cannon Road, and the former burn sites/landfills at Olympus Street in Encinitas and Maxson Street in Oceanside.

3. PROJECT OBJECTIVES

The Department proposes to widen I-5 from the Genesee Avenue interchange to the Vandegrift Boulevard interchange, and reconstruct the interchanges along this corridor. The expansion and reconstruction of the interstate and interchanges will occur within the Department-owned ROW with the exception of limited acquisition of adjacent properties where there is insufficient ROW.

In anticipation of design and construction activities at the interchanges and along the alignment, the project objectives were to generally evaluate:

- potential near surface soil for aerially deposited lead (ADL),
- the presence of pesticides and herbicides at select parcels that may be acquired by the Department as a whole or in part,
- potential landfill debris and associated contaminants at two former landfills,
- subsurface soil and groundwater contamination from adjacent properties at five interchanges,
- options for on-site reuse of the soil, and
- the extent of groundwater contamination from a known hydrocarbon release at Palomar Airport Road.

4. SCOPE OF WORK

The scope of work was provided to Ninyo & Moore in the Task Order. In general accordance with the Task Order, Ninyo & Moore performed the tasks listed below.

- Provided project management and coordination.
- Reviewed pertinent environmental reports and documents.
- Conducted site visits and marked out the proposed boring locations.
- Prepared a site-specific work plan.
- Prepared a site-specific health and safety plan (SHSP).
- Contacted Underground Service Alert (USA) for identification and location of nearby subsurface utilities.
- Conducted a geophysical survey at the proposed boring locations to evaluate the potential presence of underlying and/or nearby subsurface utilities.
- Obtained a boring permit from the DEH.

- Advanced eleven borings from 5.2 meters (17 feet) to 30.6 meters (100 feet) below ground surface (bgs) using hollow-stem auger drilling and 360 shallow (up to 1.5 meters [5 feet] bgs) borings using hand auger methods.

- Logged hollow-stem auger boring soil samples according to the Unified Soil Classification System (USCS).

- Collected groundwater samples from the hollow-stem auger borings and from 12 existing wells at the Palomar Airport Road interchange.

- Analyzed select hollow-stem auger soil and groundwater samples for total petroleum hydrocarbons in the gasoline and diesel ranges (TPH-g and TPH-d) by United States Environmental Protection Agency (USEPA) test method 8015M, volatile organic compounds (VOCs) by USEPA test method 8260B, semi-volatile organic compounds (SVOCs) by USEPA test method 8270, Title 22 metals by USEPA test methods 6010B/7074/7471A, and polychlorinated biphenyls (PCBs) by USEPA test method 8082.

- Analyzed hand auger soil samples for total lead by USEPA test method 6010B, and select hand auger samples for organochlorine pesticides by USEPA method 8081, organophosphorous pesticides by USEPA method 8141, herbicides by USEPA method 8151, and pH by USEPA method 9045C.

- Analyzed hand auger soil samples with total lead concentrations at or above 50 milligrams per kilogram (mg/kg) for leachable lead by the waste extraction test (WET) and the modified WET method using deionized water, and soil samples with total lead concentrations at or above 100 mg/kg by the Toxicity Characteristic Leaching Procedure (TCLP) method.

- Analyzed groundwater samples collected from Palomar Airport Road for TPH-g and TPH-d by USEPA test method 8015M and VOCs and fuel oxygenates by USEPA test method 8260B.

- Obtained global positioning system (GPS) readings at each hand auger and hollow-stem auger boring location.

- Placed soil cuttings, purged groundwater, and decontamination fluids into separate, properly labeled, 55-gallon drums for transportation and disposal/recycling of the waste at an appropriate facility.

- Provided coordination of transportation and disposal/recycling of the waste.

- Compiled and evaluated analytical data and summarized the data on appropriate figures and tables.

- Prepared this report including a summary of the investigative methods and field observations; data evaluation and discussion; findings; and conclusions and recommendations.

5. PREVIOUS ENVIRONMENTAL WORK

A Phase I Environmental Site Assessment was completed by Department in March 2002 and May through July 2004, and provided to Ninyo & Moore. The results of the assessment indicate the potential to encounter ADL along the median and shoulders of the highway, potential soil and groundwater contamination at several intersections from historical releases of petroleum hydrocarbons and chlorinated solvents, the presence of two former landfills, potential soil impacts from plant nurseries and farming activities, and spills from autmobile accidents.

In July 2001, Professional Service industries, Inc. (PSI) prepared a report (PSI, 2001) describing assessment activities for lead in shallow soil along the shoulders and center median of I-5 from Leucadia Boulevard to Route 78 and the shoulders of I-5 from Route 78 to the Brooks Street overpass. The purpose of the assessment was to gather data, regarding the presence of ADL, that could be used by the Department for segregating non-hazardous soil from potentially hazardous soil and reduce disposal costs, and to provide data that could be used to evaluate health and safety issues for on-site workers.

Soil samples were collected at depths ranging from 0.15 to 0.6 meters (1 to 2 feet) bgs. Along the shoulders, the samples were collected between 1.2 and 1.8 meters (4 and 6 feet) from the edge of the paved shoulder. According to the PSI report, the analytical results and statistical analyses indicated that the upper 0.3 meters of soil along the northbound shoulder is hazardous but could be reused under the variance described in Section 6 of this report; soil below 0.3 meters would be classified as non-hazardous. The soil along the southbound shoulder and within the southbound median would be classified as non-hazardous. The soil along the northbound median was reported to be classified as hazardous to a depth of 0.6 meters, but could be used under the soil reuse variance; the soil below 0.6 meters would be classified as non-hazardous.

A network of groundwater monitoring wells has been established by others in the vicinity of the Palomar Airport Road interchange to evaluate a release or releases of petroleum hydrocarbons from sites east of I-5. This phase of the scope of work was requested by the Department to evaluate the current conditions of the groundwater plume in the vicinity of the interchange to obtain concentrations of contaminants in groundwater. The information will be used to evaluate the

need for permitting of dewatering effluent should the need for dewatering occur during the reconstruction of the interchange.

6. AERIALLY DEPOSITED LEAD (ADL) VARIANCE

The Department has been granted a variance from the California Department of Toxic Substances Control (DTSC) for generating, manifesting, transporting, storing, and disposing of soil classified as hazardous due to lead impacts. Under the variance, the DTSC has prepared specifications concerning lead concentrations and pH for the management of the soil under certain conditions. It should be noted that the statutory limit of 350 mg/kg has expired as of the date of this report, and the total lead limit is now 1,000 mg/kg for the variance, according to Department personnel. The District 11 variance has been extended to June 30, 2007.

7. INVESTIGATIVE METHODS

This section of the report provides information regarding procedures and methods associated with conducting the site assessment. Drilling, groundwater and soil sampling, and related field activities were performed in general accordance with applicable portions of the latest version of the DEH SAM manual and the Task Order.

7.1. PERMITS, NOTIFICATIONS, AND INTERACTION WITH REGULATORY AGENCY PERSONNEL

On March 3, 2006, representatives of Ninyo & Moore and the Department marked out the proposed boring locations at the site. Ninyo & Moore also prepared and submitted a work plan to the Department for a subsurface assessment dated March 6, 2006. The work plan was reviewed and approved by Mr. Joel Kloth, Department representative.

A permit for drilling 16 borings was obtained from the DEH on March 22, 2006. A copy of the approved boring permit is included in the 60-day report in Appendix A. Ninyo & Moore notified the Department and the DEH a minimum of two days prior to conducting drilling

activities. Ninyo & Moore also contacted USA, a public utility locator, to evaluate the proposed boring locations for possible underground utility conflicts.

7.2. SITE SAFETY

On-site work was subject to the procedures outlined in the SHSP. The SHSP provided policies, information, requirements, and guidelines regarding procedures that were to be followed by personnel performing specific tasks at the site. The plan was prepared in general accordance with Federal Occupational Safety and Health Administration Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910.120) and Title 8 CCR Section 5192. The plan was reviewed and approved by a certified industrial hygienist.

Prior to commencing field activities, the site workers read and signed the plan, acknowledging their familiarity with its provisions. Each day, prior to beginning fieldwork at the site, Ninyo & Moore field personnel conducted a tailgate meeting and discussed the key features of the plan.

7.3. BORING LOCATIONS

Hollow-stem auger boring locations were selected in the field and approved by Department personnel based on observed site conditions and limited historical information. The areas of assessment were limited by accessibility, utility locations, and personnel safety. Figures 2 through 6 present the drilling locations at each interchange. The target depth for each boring location was selected by a Department representative based on the expected depth to groundwater and the expected depth of drilling or excavation activities during the reconstruction of the interchanges.

Hand auger locations along the highway were selected in the field based on accessibility and safety. Sampling locations were generally between 50 and 200 meters (165 and 650 feet) apart along the highway, depending on site conditions, and between the edge of the paved shoulder and edge of the Department ROW (Plates 1 and 2). Target depths were randomly selected between 0.3 and 1.5 meters (1 to 5 feet) bgs.

Hand auger locations within private properties were selected based on the Department-indicated portions of the properties that are proposed to be acquired, suspected areas of former hazardous materials storage, as well as randomly selected locations over the properties in order to collect soil information that would generally screen the soil for the presence of constituents of potential concern. Figures 7 through 10 present the hand auger boring locations on privately-owned parcels along the alignment. On some historically or actively farmed properties, soil samples were collected over a representative area to screen soil quality from application of pesticides and herbicides.

7.4. GEOPHYSICAL CLEARANCE

Southwest Geophysics, Inc. evaluated each proposed hollow-stem auger boring location at the site with regard to potential buried utilities or other subsurface anomalies. A combination of electromagnetic induction, magnetometry, and ground penetrating radar was utilized. Where utility conflicts were noted, the borings were relocated a minimum of 5 feet from the utility. A copy of the geophysical evaluation report is included in Appendix B.

7.5. HAND AUGER DRILLING AND SOIL SAMPLING

Hand auger borings were completed from March 7, 2006 to August 24, 2006. Borings were advanced using a manually-operated, pre-cleaned, stainless steel hand auger. The target depths of the hand auger borings were randomly selected and/or limited by refusal and ranged from 0.3 to 1.5 meters (1 to 5 feet) bgs. When the boring location was augered to the desired depth, a sample was collected from the bottom of the auger and placed directly into laboratory supplied glass jars. The jars were labeled with pertinent sample and project information and placed in a cooler in the field.

7.6. HOLLOW-STEM AUGER DRILLING AND SOIL SAMPLING

Hollow-stem auger drilling was conducted from April 6, 2006 to September 12, 2006. Borings were advanced using a drill rig operated by Tri-County Drilling, a bonded, C-57-licensed, drilling contractor with appropriate current certificates, experience, and train-

ing. The drill rig advanced the borings using hollow-stem, continuous-flight augers to the target depth, groundwater, or refusal, whichever was achieved first. At Mission Avenue, however, one boring was drilled to refusal at approximately 6 meters (20 feet), but drilling was continued to a total depth of 30.6 meters (100 feet) using air percussion methods. Eleven borings were advanced to depths ranging from 5.2 meters (17 feet) to 30.6 meters (100 feet) bgs. Drilling and sampling activities were performed under the direction of a California Professional Geologist.

Soil samples were collected at approximate 1.5-meter (5-foot) intervals (with the exception of B-9 at Mission Avenue where bedrock was encountered at approximately 6 meters [20 feet] bgs) with a standard penetration test sampler, which was driven approximately 0.46 meters (1.5 feet) in advance of the hollow-stem auger by a 64-kilogram (140-pound) auto-trip hammer. Upon retrieving the sampler from the borehole, the soil was logged by the on-site field person according to the USCS, and the least disturbed soil sample was covered on both ends by Teflon™ sheeting, sealed with plastic end caps, labeled with pertinent information, and placed in a cooler for transport by courier to Advanced Technology Laboratories (ATL) of Signal Hill, California, a state-certified laboratory. Copies of the boring logs are included in the 60-day report in Appendix A. Soil cuttings were placed in 55-gallon drums, labeled, and stored on site pending disposal.

Once the boring reached the target depth or refusal, and groundwater samples were collected, if applicable, the borings were backfilled with granular bentonite and hydrated, and the ground surface was restored to approximate its original condition.

7.7. GROUNDWATER SAMPLING

Where groundwater was encountered, a groundwater sample was collected from each boring within the hollow portion of the augers. At borings that encountered groundwater, the depth to groundwater was measured using an electric water-level sounder prior to sampling. The measurements were recorded from the ground surface to the nearest 3 millimeters (0.01 foot).

Sampling data were documented on groundwater sampling summary forms, which include the sampler's name, boring identification, date, and time the sample was collected.

Groundwater samples were collected with new Teflon®-lined disposable bailers and dispensed into appropriate, laboratory-supplied containers. For samples to be analyzed for VOCs, no head space was allowed.

7.8. PALOMAR AIRPORT ROAD GROUNDWATER SAMPLING

Groundwater samples were collected from established groundwater monitoring wells in the vicinity of the Palomar Airport Road interchange. Fourteen wells were proposed to be sampled (MW-13 through MW-26); however, wells MW-19 and MW-20 were found to be dry and MW-13 was found to contain free product; therefore these wells were not sampled. An additional well, identified as MW-X, discovered during a site visit, but not shown on any of the documents provided to Ninyo & Moore, was also sampled. Therefore 12 of 15 wells were sampled (Figure 11).

Prior to sampling, the depth to groundwater was measured using an electric, water level sounder. The measurements were recorded from the top of the well casing to the nearest 3 millimeters. Groundwater elevations were calculated from surveyed benchmarks for wells with surveyed elevations made available to Ninyo & Moore and were recorded relative to MSL. Based on the water level measurement, well depth and the inside casing diameter, a well volume was calculated, and approximately three well volumes were purged prior to sampling.

Wells providing insufficient yield were purged dry once, allowed to recover to at least 80 percent of original static groundwater elevation, and then sampled. Purged water samples were monitored for pH, temperature, conductivity, and turbidity. When the purge water parameters stabilized to within 10 percent variability, samples were collected for chemical analysis. Sampling data were documented on monitoring well summary forms, which include the sampler's name, monitoring well identification, stabilization parameters, purge volume, turbidity, well recovery data (depth to groundwater before and after purging), date, and time sample was collected.

Groundwater samples were collected with new Teflon®-lined disposable bailers and dispensed into appropriate, laboratory-supplied containers. For samples analyzed for volatile organics, no head space was allowed.

7.9. TRIP BLANKS AND FIELD BLANKS

A trip blank, consisting of deionized water placed into containers by the analytical testing laboratory, accompanied the soil and groundwater samples collected during each day of fieldwork. The trip blank was used to document sample handling and the potential for cross contamination of samples during sample transport. A field blank, consisting of deionized water poured over the decontaminated sampling equipment (e.g., brass liners or disposable bailer for hollow-stem auger drilling, stainless steel auger for hand auger sampling, and disposable bailers for groundwater sampling), was collected for each day of field sampling. The field blank was collected to document the condition of sampling equipment. The samples were immediately dispensed into appropriate laboratory-supplied containers, labeled with pertinent information, and placed in a cooler for transport by courier to ATL.

7.10. ANALYTICAL TESTING PROGRAM

Analytical testing was performed in general accordance with the Task Order and was selected by Department personnel based on the contaminants of potential concern at each area evaluated. Soil and groundwater samples collected from the hollow-stem auger borings were analyzed for multiple contaminants of potential concern depending on location. The analytical protocols are presented in Table 1. At least three soil samples from each hollow-stem auger boring were submitted for analysis.

Hand auger soil samples collected along the ROW and select hollow-stem auger soil samples were analyzed for lead by USEPA method 6010B. Select hand auger soil samples collected from the ROW were also analyzed for leachable lead by the WET method, the WET method using deionized water, TCLP, pH, herbicides by USEPA Method 8151, organophosphorous pesticides by USEPA Method 8141, and/or organochlorine pesticides by USEPA Method 8081.

Soil samples collected from hand auger borings on private properties were analyzed for herbicides, organophosphorous pesticides, and organochlorine pesticides. Select samples were also analyzed for pH.

Groundwater samples collected from monitoring wells at Palomar Airport Road were analyzed for TPH by USEPA Method 8015M and VOCs and fuel oxygenates by USEPA Method 8260B.

The field blanks for the hollow-stem auger borings were analyzed based on the analytical suite requested for the boring for which the blank was prepared. The field blanks for the hand auger borings were analyzed for lead, pesticides, and/or herbicides, as appropriate. The field blanks for the groundwater samples were analyzed for TPH and VOCs. The trip blanks were analyzed for VOCs.

Table 1 – Soil and Groundwater Sampling Protocol - Hollow-Stem Auger Borings

Interchange	TPH g/d		VOCs		SVOCs		Metals		PCB	
	S	G	S	G	S	G	S	G	S	G
Tamarack Avenue	3/b	1/b	3/b	1/b	3/b	1/b	3/b	1/b	--	--
Palomar Airport Road	3/b	1/b	3/b	1/b	3/b	1/b	--	--	--	--
Oceanside Boulevard	3/b	1/b	3/b	1/b	3/b	1/b	--	--	--	--
Brooks St.	--	--	3/b	1/b	3/b	1/b	3/b	--	3/b	--
Carlsbad Village Drive	3/b	1/b	3/b	1/b	3/b	1/b	3/b	1/b	3/b	1/b
Mission Avenue	3/b	1/b	3/b	1/b	3/b	1/b	--	--	--	--

Notes:
1/b = 1 sample per boring
3/b = 3 samples per boring
G = groundwater sample
Metals = EPA Test Method 6010B
PCB = polychlorinated biphenyls - EPA Test Method 8082
TPH g/d = total petroleum hydrocarbons gas/diesel - EPA Test Method 8015
Pb = lead
S = soil
SVOCs = semi-volatile organic compounds - EPA Test Method 8270C
VOCs = volatile organic compounds and fuel oxygenates (including naphthalene) EPA Test Method 8260B
-- = not applicable

7.11. SAMPLE LABELING, CONTAINERS, PRESERVATIVES, AND HOLDING TIMES

Soil and/or groundwater samples collected from each location were placed into appropriate laboratory-supplied containers or clean brass sleeves. The containers and sleeves were labeled with pertinent information, written in indelible ink, and contained the following information:

- project name;
- unique sample identification number;
- project location;
- date and time of collection;
- sampler's initials; and
- sample preservative, if applicable.
- Sample identification numbers were designated as follows:
- NM03-B1-5.0 = Ninyo and Moore (NM03), boring one (B1), soil sampled at a depth of 1.5 meters (5 feet) bgs.
- NM03-B1-GW = Ninyo and Moore (NM03), boring one (B1), groundwater sample (GW).
- I5NB-BIR-HA01 = Sample collected along the northbound side of I-5 north of the Birmingham Drive interchange, hand auger boring 01.
- MW-15 = Groundwater sample collected from MW-15 at the Palomar Airport Road interchange.

7.12. FIELD DOCUMENTATION

The following documentation was prepared while in the field.

7.12.1. DAILY FIELD LOGS

Daily field logs were prepared by the field personnel and included a chronology of field activities performed, deviations from the work plan, if any, visitors to the site, and other pertinent information.

7.12.2. BORING LOGS

Boring logs were prepared in the field under the supervision of a California Professional Geologist. The information recorded on each field boring log included the following:

- project name and number;
- unique boring identifier and datum;
- drilling equipment;
- drilling method and boring diameter;
- name of sampler, logger, and reviewer;
- depth interval;
- earth material descriptions in general accordance with the USCS;
- approximate depths to strata changes, bedrock, and groundwater, as applicable;
- lithology (if rock or geologic formation material was encountered);
- photoionization detector (PID) readings in parts per million (ppm) at each sample depth;
- number of blows per 15-centimeter (0.5 feet) or partial penetration increment; and,
- boring abandonment summary.

7.12.3. CHAIN-OF-CUSTODY

Chain-of-custody procedures were followed through sample collection, transfer, analysis, and disposal to ensure that the integrity of the samples was maintained. A description of sample custody procedures for sample collection is provided below.

Field personnel logged individual samples onto triplicate chain-of-custody forms at the time the sample was collected. Information for each sample recorded on the chain-of-custody form included sample identification number, matrix, date and time of collection, number and type of containers, analytical methods to be performed on the sample, laboratory turn-around time, and added preservatives, if any. Upon relinquishing the samples to the laboratory, the chain-of-custody forms were signed and dated by the field personnel and the condition of the samples was noted on the form by the analytical test-

ing laboratory. The laboratory personnel accepting the samples signed and noted the date and time on the chain-of-custody form upon receipt. The chain-of-custody documentation accompanied the samples from the field to the laboratory. The sampler retained one copy of the chain-of-custody form.

7.13. DECONTAMINATION PROCEDURES FOR NON-SAMPLE CONTACTING EQUIPMENT

Drilling and sampling equipment were decontaminated by the drilling contractor prior to drilling operations and between borings. Applicable drilling equipment was placed in the decontamination area and cleaned using a high temperature, high pressure wash system.

7.14. SOIL AND FLUID DISPOSAL

Soil cuttings and decontamination fluids generated from field activities were placed into 38 properly labeled 55-gallon drums, and stored in a pre-selected, on-site location pending disposition. Wastes were disposed of by Ocean Blue Environmental Services at Crosby and Overton of Long Beach, California, as non-hazardous waste based on review of the laboratory analytical results. The non-hazardous waste manifest is included as Appendix C.

7.15. AIR MONITORING DURING DRILLING

Ambient air quality was monitored during drilling and sampling activities according to the guidelines established in the SHSP. The frequency of air monitoring intervals was dependent on such factors as type of contaminant(s), weather conditions (e.g., wind direction and velocity), location and proximity of sensitive receptors, and drilling conditions. A PID was used to monitor concentrations of total VOCs in the breathing space at worker chest level. Prior to initiating drilling activities, the PID was calibrated according to the manufacturer's instructions.

7.16. DEVIATIONS FROM THE WORK PLAN

In general, the scope of work for the assessment was conducted in accordance with the Task Order and amendment and the March 6, 2006 work plan. The deviations from the work plan included the following:

- A soil sample collected by hand auger at Olympus Street Landfill, I5NB-OLY-HA-290-1.0, contained lead at a concentration of 200 mg/kg. According to the work plan, any sample containing lead at or above 50 mg/kg would be analyzed for leachability; however, the testing was not requested at the time the analytical results were received and the sample has been disposed of. Therefore, the analysis could not be performed.

- A soil sample collected from NM03-B10 contained lead at a concentration of 58 mg/kg. According to the work plan, any sample containing lead at or above 50 mg/kg would be analyzed for leachability; however, there was not enough sample to perform the leachability testing. Therefore, the analysis could not be performed.

- Groundwater was not encountered in borings NM03-B2, NM03-B10, and NM03-B11; therefore, groundwater samples were not collected at these locations.

- Groundwater was not encountered in monitoring wells MW-19 and MW-20 at Palomar Airport Road; therefore, groundwater samples were not collected at these locations.

- Surveyed elevations for wells MW-22 through MW-27 were not available; therefore, groundwater elevations at these locations could not be calculated.

- Monitoring well MW-13 at Palomar Airport Road was not sampled at the direction of the Department due to the presence of free product on the groundwater.

- Monitoring wells MW-14 and MW-15 at Palomar Airport Road did contain a sufficient water column for purging; therefore, only grab groundwater samples were collected from these wells.

These deviations do not impact the conclusions or recommendations included in this report as stated; however, since the leachability of the soil sample containing elevated lead collected from NM03-B10 could not be evaluated, a statement regarding the potential for the soil to be considered a hazardous waste cannot be made.

8. ASSESSMENT RESULTS AND FIELD OBSERVATIONS

The following sections describe the geography, geology, and the hydrogeology of the site, field observations, and results of this assessment.

8.1. GEOGRAPHY

The site varies in elevation from approximately 3 to 64 meters (10 to 210 feet) above mean sea level (MSL) along the alignment, according to the United States Geological Survey (USGS) Encinitas, San Luis Rey, and Oceanside Quadrangles (USGS, 1968). Surface drainage for the site varies in direction throughout the alignment.

8.2. GEOLOGY

This section summarizes the regional geologic setting and site geologic conditions. The information is based on review of the referenced, published, and unpublished reports, and observations made by Ninyo & Moore personnel at the site.

8.2.1. REGIONAL GEOLOGIC SETTING

The site is situated at the western margin of the Peninsular Ranges geomorphic province characterized by northwest-trending mountain ranges separated by subparallel fault zones (Norris and Webb, 1990). In general, the province consists of rugged mountains underlain by Mesozoic-age metamorphic and crystalline rocks to the east, with a dissected coastal plain underlain by Cenozoic-age sedimentary rock sequences to the west.

8.2.2. SITE GEOLOGIC CONDITIONS

The Division of Mines and Geology (DMG), Encinitas, San Luis Rey, and Oceanside Quadrangle geologic maps (DMG, 1996) were reviewed to obtain site geological information. The northern terminus of the Birmingham interchange is underlain by the Bay Point Formation, which also underlies the Santa Fe interchange. Moving northward, the site is underlain by the Torrey Sandstone at the Encinitas interchange. The Leucadia interchange is underlain by the Bay Point Formation. The La Costa interchange is

underlain by Quaternary Alluvium, which is underlain by the Santiago Formation. The Poinsettia Lane and Palomar Airport Road interchanges are underlain by the Bay Point Formation with Quaternary Alluvium present at the surface in the river valleys crossed by the highway. The Cannon Road interchange is underlain by the Bay Point Formation, which is then underlain by the Santiago Formation. The Tamarack Avenue, Carlsbad Village Drive, Las Flores Drive, and State Route (SR) 78 interchanges are underlain by the Bay Point Formation, which is underlain by the Santiago Formation. The Oceanside Boulevard interchange is underlain in part by Quaternary Alluvium and the Santiago Formation. The Mission Avenue interchange is underlain by the Bay Point Formation. The SR 76 interchange is underlain by a combination of Quaternary Alluvium, Bay Point Formation, and the San Onofre Breccia. The Vandegrift interchange is underlain by the Bay Point Formation.

8.3. HYDROGEOLOGY

This section summarizes the regional hydrogeologic setting and site hydrogeologic conditions. The information is based on our review of the referenced published and unpublished reports and observations made by Ninyo & Moore at the site.

8.3.1. REGIONAL HYDROGEOLOGIC SETTING

A review of available hydrogeologic data from the Regional Water Quality Control Board (RWQCB) Region 9 Basin Plan provided the information presented in Table 2 regarding the hydrologic units and beneficial uses of groundwater and surface water (RWQCB, 1994).

Table 2 – Hydrologic Setting and Uses

Interchange	Hydrologic Unit	Hydrologic Area	Hydrologic Subarea	Existing * Beneficial Uses (Groundwater)	Existing Beneficial Uses (Surface Water)
Santa Fe Drive	Carlsbad	Escondido Creek	San Elijo	MUN**, AGR, IND	REC 1, REC 2, BIOL, EST, WILD, RARE, MAR, MIGR
Encinitas Boulevard	Carlsbad	San Marcos	Batiquitos	MUN***, AGR***, IND***	REC 1, REC 2, BIOL, EST, WILD, RARE, MAR, MIGR,

Table 2 – Hydrologic Setting and Uses

Interchange	Hydrologic Unit	Hydrologic Area	Hydrologic Subarea	Existing * Beneficial Uses (Groundwater)	Existing Beneficial Uses (Surface Water)
Leucadia Boulevard	Carlsbad	San Marcos	Batiquitos	MUN***, AGR***, IND***	REC 1, REC 2, BIOL, EST, WILD, RARE, MAR, MIGR
La Costa Avenue	Carlsbad	San Marcos	Batiquitos	MUN***, AGR***, IND***	REC 1, REC 2, BIOL, EST, WILD, RARE, MAR, MIGR
Poinsettia Lane	Carlsbad	San Marcos	Batiquitos	MUN***, AGR***, IND***	REC 1, REC 2, BIOL, EST, WILD, RARE, MAR, MIGR
Palomar Airport Road	Carlsbad	Encinas	--	none	REC 1**, REC 2, WARM, WILD
Cannon Road	Carlsbad	Agua Hedionda	Los Monos	MUN***, AGR***, IND**	IND, REC 1, REC 2, COMM, EST, WILD, RARE, MAR, AQUA, MIGR, SHELL
Tamarack Avenue	Carlsbad	Agua Hedionda	Los Monos	MUN***, AGR***, IND***	IND, REC 1, REC 2, COMM, EST, WILD, RARE, MAR, AQUA, MIGR, SHELL
Carlsbad Village Drive	Carlsbad	Buena Vista Creek	El Salto	MUN, AGR, IND**	AGR, IND, REC 1, REC 2, WARM, WILD, RARE
Las Flores Drive	Carlsbad	Buena Vista Creek	El Salto	MUN, AGR, IND**	AGR, IND, REC 1, REC 2, WARM, WILD, RARE
SR 78	Carlsbad	Buena Vista Creek	El Salto	MUN, AGR, IND**	AGR, IND, REC 1, REC 2, WARM, WILD, RARE
Oceanside Boulevard	Carlsbad	Loma Alta	--	IND	AGR, IND, REC 1**, REC 2, WARM, WILD
Mission Avenue	Carlsbad	Loma Alta	--	IND	AGR, IND, REC 1**, REC 2, WARM, WILD
SR 76	San Luis Rey	Lower San Luis	Mission	MUN, AGR, IND	AGR, IND, REC 1, REC 2, WARM, WILD
Vandegrift Boulevard	San Luis Rey	Lower San Luis	Mission	MUN, AGR, IND	AGR, IND, POW, REC 1, REC 2, WARM, WILD

Notes:
AGR - agricultural supply
AQUA - aquaculture or mariculture operations
BIOL - preservation of biological habitats
COMM - commercial or recreation fishing habitat
EST - estuarine habitat
IND - industrial service supply
MAR - marine habitat
MIGR - migratory habitat
MUN - municipal and domestic supply
RARE - Rare, threatened, or endangered species habitat
REC 1 - contact water recreation
REC 2 - non-contact water recreation
SHELL - shellfish harvesting habitat
WARM - warm freshwater habitat
WILD - wildlife habitat
* Groundwater for beneficial use as a municipal supply is exempted westerly of the easterly boundary of the Interstate 5 right-of-way.
** Potential beneficial use
*** Existing, potential, and exempted uses in specific areas

8.3.2. SITE HYDROGEOLOGIC CONDITIONS

During drilling, groundwater was encountered in eight of the borings (Table 3). Depth to groundwater ranged from 3.5 meters (11.6 feet) bgs in boring NM03-B4 to 28.2 meters (92.5 feet) bgs in boring NM03-B9. Groundwater levels, gradient, and flow direction may fluctuate due to seasonal variations, irrigation, groundwater withdrawal or injection, and other factors.

Table 3 – Depth to Groundwater

Boring ID	Location	Depth to Groundwater
NM03-B1	Tamarack Avenue (South)	8.8 meters (29 feet)
NM03-B2	Mission Avenue (East)	not encountered
NM03-B3	Tamarack Avenue (North)	7.3 meters (24 feet)
NM03-B4	Oceanside Boulevard (East)	3.5 meters (11.6 feet)
NM03-B5	Palomar Airport Road (West)	5.2 meters (17 feet)
NM03-B6	Oceanside Boulevard (West)	3.9 meters (10 feet)
NM03-B7	Palomar Airport Road (East)	12.7 meters (42 feet)
NM03-B8	Carlsbad Village Drive	3.8 meters (12.5 feet)
NM03-B9	Mission Avenue (East)	28.2 meters (92.5 feet)
NM03-B10	Brooks Street	not encountered
NM03-B11	Brooks Street	not encountered

8.4. ANALYTICAL RESULTS

Analytical results of soil and water samples collected are presented on Tables 4 through 16. Copies of the laboratory analytical reports, including quality control/quality assurance data and chain-of-custody documentation, are included in Appendix D.

8.4.1. RIGHT-OF-WAY HAND AUGER SOIL SAMPLE RESULTS

The soil sample analytical results for the hand auger borings collected in the ROW are summarized in Tables 4 and 5. Based on the results obtained, it appears that the soil can be reused within the ROW under the variance. Additional discussion, conclusions, and recommendations are presented in Sections 9 and 10 of this report, and are summarized in Table 17.

8.4.2. PRIVATE PROPERTY HAND AUGER SOIL SAMPLE RESULTS

The soil sample analytical results for the hand auger borings collected on private properties are summarized in Tables 6 and 7. Herbicides and organophosphorous pesticides were not detected above the reporting limit. Several organochlorine herbicides were detected at concentration below California hazardous waste criteria except for one sample,

which contained toxaphene at 5.6 mg/kg, above a California hazardous waste criterion of 5 mg/kg, and three samples that contained a total concentration of DDD/DDE/DDT above 1 mg/kg, a California hazardous waste criterion. Additional discussion, conclusions, and recommendations are presented in Sections 9 and 10 of this report, and are summarized in Table 17.

8.4.3. HOLLOW-STEM AUGER BORING SOIL SAMPLE RESULTS

The soil sample analytical results for the hollow-stem auger borings are presented in Tables 8 and 9. Concentrations of TPH, VOCs, SVOCs, and some Title 22 metals were detected in soil samples collected from borings at Palomar Airport Road, Carlsbad Village Drive, Mission Avenue, and Brooks Street. Some of the VOCs and SVOCs may be laboratory or field contaminants not associated with soil conditions. Additional discussion, conclusions, and recommendations are presented in Sections 9 and 10 of this report, and are summarized in Table 17.

8.4.4. HOLLOW-STEM AUGER BORING GROUNDWATER SAMPLE RESULTS

The groundwater sample analytical results for the hollow-stem auger borings are presented in Tables 10 and 11. Concentrations of TPH and VOCs were detected in groundwater samples collected from borings at Palomar Airport Road and Oceanside Boulevard. Additional discussion, conclusions, and recommendations are presented in Sections 9 and 10 of this report, and are summarized in Table 17.

8.4.5. PALOMAR AIRPORT ROAD MONITORING WELL GROUNDWATER SAMPLE RESULTS

The groundwater sample analytical results and water level measurements are summarized in Tables 12 and 13. Groundwater elevations ranged from 12.02 to 13.63 meters (39.48 to 44.72 feet) MSL. Concentrations of TPH and VOCS were detected in all but two wells sampled. Measurable free product was found in MW-13. Additional discus-

sion, conclusions, and recommendations are presented in Sections 9 and 10 of this report, and are summarized in Table 17.

8.4.6. QUALITY ASSURANCE/QUALITY CONTROL SAMPLE RESULTS

The trip blanks and equipment blanks did not contain contaminants above the reporting limits for the parameters analyzed Tables 14 through 16.

9. DATA EVALUATION AND DISCUSSION

The following sections describe the nature and extent of soil and groundwater impacts at the site in the areas evaluated.

9.1. SOIL DATA EVALUATION AND DISCUSSION

At locations explored, the site is generally underlain by fill and alluvial soils, which are underlain by terrace deposits of the Bay Point Formation.

Total lead was detected in 280 of the 289 hand auger soil samples collected at concentrations ranging from 1.0 to 410 mg/kg. Soil samples collected from 31 hand auger borings contained concentrations of lead that equaled or exceeded the 50 mg/kg screening criterion for leachability. The upper 80% confidence level of the mean concentration of lead in the soil samples analyzed was 25.85 mg/kg. Twenty-one of the 31 soil samples with concentrations of lead above 50 mg/kg leached lead, using the WET method, at concentrations at or above 5 mg/ℓ, a California hazardous waste criterion. None of the samples analyzed using the TCLP method leached lead at concentrations at or above 5 mg/ℓ, the federal hazardous waste criterion. Ten samples leached lead above one of the variance criteria of 0.5 mg/ℓ using the modified WET method. The pH of the soil samples analyzed ranged from 4.5 to 8.9; two of the samples were below the pH criterion of 5.0 in the variance.

Based on the analytical results of the hand auger samples analyzed for lead, the soil assessed, as a whole, meets the criteria (either paragraph 1 or 2 in Section 6 of this report)

specified in the ADL variance granted to the Department and could be reused on site under the provisions set forth in the variance. The data further suggest that the soil, as a whole, would not be considered a hazardous waste for disposal purposes; however, additional analytical data for profiling may be required by local regulators or a waste disposal facility prior to off-site disposal.

The results of the survey conducted by PSI indicate that some soil is considered a hazardous waste but still meets the variance criteria for reuse. It should be noted that the soil sampling locations, and therefore the data sets, were different for the two assessments. Data evaluated by PSI were generated from soil samples collected from the median of the highway and from between 1.2 and 1.8 meters (4 and 6 feet) from the paved shoulder of the highway. The soil samples collected during the Ninyo & Moore assessment were collected between approximately 3 meters (10 feet) from the paved shoulder and the edge of the ROW. The data may be used for evaluating the potential to segregate soil for different disposal/reuse options or may be evaluated as a whole with the understanding that the two data sets were generated from samples collected from different areas of the ROW.

The concentrations of Title 22 metals in soil samples collected from the Olympus Street Landfill vicinity did not contain metals at concentrations that would suggest leachability would be of concern with the exception of lead at a concentration of 200 mg/kg in the sample I5SB-OLY-HA290-1.0. Additional leachability testing was not requested at the time the analytical results were received and the sample has been disposed of. Therefore, the analysis could not be performed.

Herbicides and organophosphorous pesticides were not detected in the soil samples collected from the hand auger borings above reporting limits. Several organochlorine pesticides were reported in soil samples collected from hand auger borings, but at concentrations below hazardous waste criteria. However, toxaphene was detected above the California hazardous waste criterion of 5 mg/kg in one sample, and three samples contained a total concentration of DDD/DDE/DDT above 1 mg/kg, the California hazardous waste criterion. The data suggest that the soil, as a whole, would not be considered a hazardous waste for disposal

purposes; however, additional analytical data for profiling may be required by local regulators or a waste disposal facility prior to off-site disposal.

Based on information obtained from hollow-stem auger borings, petroleum hydrocarbon soil is present at depths ranging from 1.5 to 3 meters (5 to 10 feet) bgs in borings NM03-B8 and B9 (Carlsbad Village Drive and Mission Avenue, respectively). Benzene-impacted soil was identified at Palomar Airport Road in boring NM03-B7 at depths of 9 and 10.5 meters (30 and 35 feet) bgs; however, impacted soil may also occur at shallower depths given that soil was not sampled at depths shallower than 9 meters (30 feet) bgs. Methylene chloride detected in the 1.5-meter (5-foot) sample collected at Brooks Street in boring NM03-B10 may be due to laboratory contamination. Likewise, the presence of Bis-2 (ethylhexyl) phthalate (BEHP) in several of the samples collected from NM03-B10 and B11 may also indicate the presence of laboratory contamination. Total concentrations of some Title 22 metals were detected in all of the soil samples analyzed for metals; however, with the exception of chromium and lead in three samples collected at Brooks Street, the concentrations detected were not above threshold criteria that would suggest leachability would be of concern for disposal purposes. Further testing indicated that the leachability of chromium in the samples collected from NM03-B11 were not reported at concentrations that would indicate the soil would be considered a hazardous waste. The sample containing elevated lead could not be analyzed due to a lack of adequate sample volume to perform the analysis.

Soil containing concentrations of TPH and VOCs may be considered a waste by the local regulatory agency if the soil is excavated and disposed of off site. The concentrations of methylene chloride and BEHP in the soil samples may be laboratory artifacts. If the concentrations are representative of soil conditions, the soil may be considered a waste if exported for off-site disposal.

9.2. GROUNDWATER DATA EVALUATION AND DISCUSSION

Groundwater was encountered during drilling at eight of eleven locations. Depth to groundwater ranged from 3.5 meters (11.6 feet) bgs in boring NM03-B4 (Oceanside Boulevard) to 28.2 meters (92.5 feet) bgs in boring NM03-B9 (Mission Avenue).

The groundwater samples collected from borings at Oceanside Boulevard and Palomar Airport Road contained detectable concentrations of TPH-g, TPH-d, and VOCs; SVOCs and PCBs were not detected above the reporting limit. Concentrations of some Title 22 metals were detected in each of the groundwater samples, but not at concentrations above typical regulatory action levels.

Groundwater samples collected from the monitoring wells at Palomar Airport Road also were reported to contain elevated levels of TPH and petroleum-related VOCs. In addition, free product was detected at monitoring well MW-13, northeast (upgradient) of the interchange. The estimated extent of the groundwater plume in the vicinity of the Palomar Airport Road interchange is presented on Figure 12.

The concentrations of TPH, VOCs, and some metals, as well as the presence of free product may be of concern if dewatering is performed in these areas. The dewatering effluent may require treatment prior to discharge into the storm sewer or sanitary sewer under permit.

The presence of TPH and VOCs in the groundwater samples are likely due to off-site sources related to petroleum and chlorinated solvent releases adjacent to the highway.

This assessment evaluated TPH, VOCs, SVOCs, PCBs, pesticides, herbicides, and metals in soils and groundwater at specific locations approved by Department personnel. Other areas not evaluated as part of this assessment may contain similar types of soil and groundwater impacts. In addition, other types of soil and groundwater impacts, not tested for as part of this assessment, may be present in some soil and groundwater as a result of past and/or current site use and adjacent property uses.

The limited nature of this assessment did not include delineating the lateral extent of the impacted soil and groundwater, identifying the contaminant source(s), or evaluating other areas of potentially impacted groundwater.

10. RECOMMENDATIONS

Based upon the results of the site assessment activities conducted, current and future uses of the site, and anticipated general construction activities that may associated with proposed widening of the subject corridor, the following general recommendations are provided:

- Lead impacted soil reused at the site could be reused in accordance with the provisions of the DTSC ADL Variance.
- Soil subject to export should be characterized for the appropriate waste classification and in accordance with the requirements of the permitted disposal facility.
- Construction dewatering effluent may require treatment prior to discharge, under a National Pollutant Discharge Elimination System (NPDES) or sewer discharge permit. Specifically, at Palomar Airport Road, concentrations of petroleum constituents are elevated and will require treatment if encountered in the dewatering effluent. Also, the presence of free product (MW-13) also must be considered when dewatering plans are prepared.
- Construction activities should be performed in accordance with a site-specific health and safety plan and a soil management plan.

11. PROJECT PERSONNEL AND SUBCONTRACTORS

Stephan Beck of Ninyo & Moore was the Task Order manager and provided technical input; assisted in the planning, coordination, and data evaluation; and reviewed this report. Scott Snyder of Ninyo & Moore was the project manager for the Task Order and coordinated all field activities and prepared the report. Matt Fuller of Ninyo & Moore conducted field activities and assisted in report preparation. Peter Clark, Tim Brown, Matt Roe, Lauren Hedges, and Brian Matusek also conducted field activities and provided quality control review of various portions of the report. Stephen Waide of Ninyo & Moore is the CIH who reviewed, approved, and signed the SHSP. Southwest Geophysics, Inc. conducted the geophysical survey. Tri-County Drilling conducted the hollow-stem auger drilling. Advanced Technology Laboratories, Inc. conducted the laboratory

analyses. American Barricade provided traffic control services. Ocean Blue Environmental Services transported the soil cuttings and decontamination fluids to an appropriate facility for disposal/recycling. Southwest Geophysics provides geophysical survey services for the field work.

12. LIMITATIONS

The environmental services described in this report have been conducted in general accordance with current regulatory guidelines and the standard-of-care exercised by environmental consultants performing similar work in the project area. No warranty, expressed or implied, is made regarding the professional opinions presented in this report. Variations in site conditions may exist and conditions not observed or described in this report may be encountered during subsequent activities. Please also note that this study did not include an evaluation of geotechnical conditions or potential geologic hazards.

Ninyo & Moore's opinions and recommendations regarding environmental conditions, as presented in this report, are based on limited subsurface assessment and chemical analysis. Further assessment of potential adverse environmental impacts from past on-site and/or nearby use of hazardous materials may be accomplished by a more comprehensive assessment. The samples collected and used for testing, and the observations made, are believed to be representative of the area(s) evaluated; however, conditions can vary significantly between sampling locations. Variations in soil and/or groundwater conditions will exist beyond the points explored in this evaluation.

The environmental interpretations and opinions contained in this report are based on the results of laboratory tests and analyses intended to detect the presence and concentration of specific chemical or physical constituents in samples collected from the site. The testing and analyses have been conducted by an independent laboratory which is certified by the State of California to conduct such tests. Ninyo & Moore has no involvement in, or control over, such testing and analysis. Ninyo & Moore, therefore, disclaims responsibility for any inaccuracy in such laboratory results.

Our conclusions, recommendations, and opinions are based on an analysis of the observed site conditions. It should be understood that the conditions of a site could change with time as a result of natural processes or the activities of man at the site or nearby properties. In addition, changes to the applicable laws, regulations, codes, and standards of practice may occur due to government action or the broadening of knowledge. The findings of this report may, therefore, be invalidated over time, in part or in whole, by changes over which Ninyo & Moore has no control.

This document is intended to be used only in its entirety. No portion of the document, by itself, is designed to completely represent any aspect of the project described herein. Ninyo & Moore should be contacted if the reader requires any additional information, or has questions regarding content, interpretations presented, or completeness of this document.

This report is intended exclusively for use by the client. Any use or reuse of the findings, conclusions, and/or recommendations of this report by parties other than the client is undertaken at said parties' sole risk.

13. SELECTED REFERENCES

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Table 4 - Summary of Hand Auger Boring Soil Sample Analytical Results - Lead and pH

Sample ID	Depth (meters)	Depth (feet)	Sample Date	Total Lead (mg/kg)	WET (mg/ℓ)	WET-DI (mg/ℓ)	TCLP (mg/ℓ)	pH
I5NB-BIR-HA01-0.6	0.6	2.0	3/7/2006	3.2	--	--	--	--
I5NB-BIR-HA02-1.0	1.0	3.3	3/7/2006	4.1	--	--	--	--
I5NB-BIR-HA03-0.6	0.6	2.0	3/7/2006	1.1	--	--	--	--
I5NB-BIR-HA04-0.3	0.3	1.0	3/7/2006	9.4	--	--	--	--
I5NB-BIR-HA05-0.3	0.3	1.0	3/7/2006	4.4	--	--	--	--
I5NB-BIR-HA06-0.3	0.3	1.0	3/7/2006	2.2	--	--	--	--
I5NB-BIR-HA07-0.6	0.6	2.0	3/7/2006	28	--	--	--	--
I5NB-BIR-HA08-0.3	0.3	1.0	3/7/2006	4.9	--	--	--	--
I5NB-BIR-HA09-1.0	1.0	3.3	3/7/2006	2.3	--	--	--	--
I5NB-BIR-HA10-0.3	0.3	1.0	3/7/2006	2.9	--	--	--	--
I5NB-BIR-HA11-1.4	1.4	4.6	3/7/2006	5.3	--	--	--	--
I5NB-BIR-HA12-0.6	0.6	2.0	3/7/2006	3.3	--	--	--	--
I5NB-BIR-HA13-0.3	0.3	1.0	3/7/2006	2.2	--	--	--	--
I5NB-BIR-HA14-0.6	0.6	2.0	3/8/2006	3.2	--	--	--	--
I5NB-BIR-HA15-0.6	0.6	2.0	3/8/2006	14	--	--	--	7.0
I5NB-SAN-HA16-1.0	1.0	3.3	3/8/2006	4	--	--	--	--
I5NB-SAN-HA17-0.6	0.6	2.0	3/8/2006	1.9	--	--	--	--
I5NB-SAN-HA18-1.0	1.0	3.3	3/8/2006	2.8	--	--	--	--
I5NB-SAN-HA19-1.0	1.0	3.3	3/8/2006	13	--	--	--	--
I5NB-SAN-HA20-0.3	0.3	1.0	3/8/2006	19	--	--	--	4.5
I5NB-SAN-HA21-1.0	1.0	3.3	3/8/2006	14	--	--	--	--
I5NB-SAN-HA22-0.6	0.6	2.0	3/8/2006	1.7	--	--	--	--
I5NB-SAN-HA23-1.0	1.0	3.3	3/8/2006	1.9	--	--	--	--
I5NB-SAN-HA24-0.6	0.6	2.0	3/8/2006	12	--	--	--	--
I5NB-SAN-HA25-0.3	0.3	1.0	3/8/2006	5.8	--	--	--	--
I5NB-SAN-HA26-0.6	0.6	2.0	3/8/2006	3.9	--	--	--	5.5
I5NB-SAN-HA27-1.0	1.0	3.3	3/8/2006	3.8	--	--	--	--
I5NB-SAN-HA28-0.3	0.3	1.0	3/8/2006	2.8	--	--	--	--
I5NB-SAN-HA29-1.0	1.0	3.3	3/8/2006	2.9	--	--	--	--
I5NB-SAN-HA30-0.6	0.6	2.0	3/8/2006	2.8	--	--	--	--
I5NB-SAN-HA31-0.6	0.6	2.0	3/8/2006	3.4	--	--	--	--
I5NB-SAN-HA32-1.0	1.0	3.3	3/8/2006	2.1	--	--	--	--
I5NB-SAN-HA33-1.4	1.4	4.6	3/9/2006	1.4	--	--	--	8.3
I5NB-SAN-HA34-0.6	0.6	2.0	3/9/2006	1.3	--	--	--	--
I5NB-SAN-HA35-0.6	0.6	2.0	3/9/2006	19	--	--	--	--
I5NB-SAN-HA36-1.0	1.0	3.3	3/9/2006	1.6	--	--	--	--
I5NB-SAN-HA37-0.3	0.3	1.0	3/9/2006	6.9	--	--	--	--
I5NB-ENC-HA38-1.0	1.0	3.3	3/9/2006	6.8	--	--	--	--
I5NB-ENC-HA39-0.6	0.6	2.0	3/9/2006	3.8	--	--	--	--
I5NB-ENC-HA40-1.0	1.0	3.3	3/9/2006	2.9	--	--	--	--
I5NB-ENC-HA41-1.0	1.0	3.3	3/9/2006	3.4	--	--	--	--
I5NB-ENC-HA42-1.0	1.0	3.3	3/9/2006	1.7	--	--	--	--
I5NB-ENC-HA43-0.3	0.3	1.0	3/9/2006	9.2	--	--	--	--
I5NB-ENC-HA44-1.0	1.0	3.3	3/9/2006	17	--	--	--	--
I5NB-ENC-HA45-0.3	0.3	1.0	3/9/2006	32	--	--	--	--
I5NB-ENC-HA46-0.6	0.6	2.0	3/9/2006	17	--	--	--	--
I5NB-ENC-HA47-1.4	1.4	4.6	3/9/2006	4.4	--	--	--	7.5

Table 4 - Summary of Hand Auger Boring Soil Sample Analytical Results - Lead and pH

Sample ID	Depth (meters)	Depth (feet)	Sample Date	Total Lead (mg/kg)	WET (mg/ℓ)	WET-DI (mg/ℓ)	TCLP (mg/ℓ)	pH
I5NB-ENC-HA48-1.0	1.0	3.3	3/9/2006	2.7	--	--	--	--
I5NB-ENC-HA49-0.6	0.6	2.0	3/9/2006	6.5	--	--	--	--
I5NB-ENC-HA50-1.0	1.0	3.3	3/9/2006	8.5	--	--	--	--
I5NB-ENC-HA51-0.3	0.3	1.0	3/9/2006	**410**	**43**	**7.0**	ND	--
I5NB-ENC-HA52-1.0	1.0	3.3	3/10/2006	3.4	--	--	--	--
I5NB-ENC-HA53-0.3	0.3	1.0	3/10/2006	20	--	--	--	--
I5NB-ENC-HA54-0.6	0.6	2.0	3/10/2006	21	--	--	--	--
I5NB-ENC-HA55-1.0	1.0	3.3	3/10/2006	4.1	--	--	--	5.9
I5NB-ENC-HA56-0.3	0.3	1.0	3/10/2006	2.7	--	--	--	--
I5NB-ENC-HA57-1.4	1.4	4.6	3/10/2006	4.6	--	--	--	--
I5NB-ENC-HA58-0.6	0.6	2.0	3/10/2006	1.8	--	--	--	--
I5NB-ENC-HA59-0.3	0.3	1.0	3/10/2006	2.6	--	--	--	--
I5NB-ENC-HA60-1.0	1.0	3.3	3/10/2006	1.6	--	--	--	--
I5NB-ENC-HA61-0.6	0.6	2.0	3/10/2006	**55**	**5.1**	0.35	--	--
I5NB-ENC-HA62-1.0	1.0	3.3	3/10/2006	3.2	--	--	--	--
I5NB-ENC-HA63-0.6	0.6	2.0	3/10/2006	1.8	--	--	--	6.3
I5NB-ENC-HA64-1.4	1.4	4.6	3/13/2006	5.0	--	--	--	7.3
I5NB-ENC-HA65-0.3	0.3	1.0	3/13/2006	15	--	--	--	--
I5NB-ENC-HA66-1.0	1.0	3.3	3/13/2006	11	--	--	--	--
I5NB-ENC-HA67-1.0	1.0	3.3	3/13/2006	4.3	--	--	--	--
I5NB-ENC-HA68-1.0	1.0	3.3	3/13/2006	4.9	--	--	--	--
I5NB-LEU-HA69-1.0	1.0	3.3	3/13/2006	4.9	--	--	--	--
I5NB-LEU-HA70-1.0	1.0	3.3	3/13/2006	8.0	--	--	--	--
I5NB-LEU-HA74-0.3	0.3	1.0	3/13/2006	3.3	--	--	--	--
I5NB-LEU-HA75-0.3	0.3	1.0	3/13/2006	9.6	--	--	--	7.1
I5NB-LEU-HA76-0.3	0.3	1.0	3/13/2006	**160**	**18**	ND	ND	--
I5NB-LEU-HA77-0.3	0.3	1.0	3/13/2006	3.3	--	--	--	--
I5NB-LEU-HA78-0.3	0.3	1.0	3/13/2006	2.0	--	--	--	--
I5NB-LEU-HA79-1.4	1.4	4.6	3/13/2006	1.6	--	--	--	--
I5NB-LEU-HA80-1.4	1.4	4.6	3/14/2006	2.2	--	--	--	6.8
I5NB-LEU-HA81-1.0	1.0	3.3	3/14/2006	2.7	--	--	--	--
I5NB-LEU-HA82-0.3	0.3	1.0	3/14/2006	3.5	--	--	--	--
I5NB-LEU-HA83-0.3	0.3	1.0	3/14/2006	9.8	--	--	--	--
I5NB-LEU-HA84-0.6	0.6	2.0	3/14/2006	5.2	--	--	--	--
I5NB-LEU-HA85-1.4	1.4	4.6	3/15/2006	2.7	--	--	--	7.4
I5NB-LEU-HA86-0.6	0.6	2.0	3/15/2006	6.8	--	--	--	--
I5NB-LEU-HA87-1.0	1.0	3.3	3/15/2006	5.0	--	--	--	--
I5NB-LOC-HA88-0.6	0.6	2.0	3/15/2006	6.4	--	--	--	--
I5NB-LOC-HA89-0.6	0.6	2.0	3/15/2006	11	--	--	--	--
I5NB-LOC-HA90-1.0	1.0	3.3	3/15/2006	8.1	--	--	--	--
I5NB-LOC-HA91-0.6	0.6	2.0	3/15/2006	7.7	--	--	--	--
I5NB-LOC-HA92-0.6	0.6	2.0	3/15/2006	24	--	--	--	--
I5NB-LOC-HA93-0.6	0.6	2.0	3/16/2006	**210**	**22**	**1.9**	ND	7.5
I5NB-LOC-HA94-0.6	0.6	2.0	3/16/2006	7.8	--	--	--	--
I5NB-LOC-HA95-0.6	0.6	2.0	3/16/2006	42	--	--	--	--
I5NB-LOC-HA96-0.6	0.6	2.0	3/16/2006	3.4	--	--	--	--
I5NB-LOC-HA97-0.3	0.3	1.0	3/16/2006	2.6	--	--	--	--

Table 4 - Summary of Hand Auger Boring Soil Sample Analytical Results - Lead and pH

Sample ID	Depth (meters)	Depth (feet)	Sample Date	Total Lead (mg/kg)	WET (mg/ℓ)	WET-DI (mg/ℓ)	TCLP (mg/ℓ)	pH
I5NB-LOC-HA98-0.3	0.3	1.0	3/16/2006	45	--	--	--	--
I5NB-LOC-HA99-1.0	1.0	3.3	3/16/2006	2.9	--	--	--	--
I5NB-POI-HA100-0.6	0.6	2.0	3/16/2006	4.4	--	--	--	--
I5NB-POI-HA101-0.6	0.6	2.0	3/16/2006	9.0	--	--	--	--
I5NB-POI-HA102-0.6	0.6	2.0	3/16/2006	**64**	**5.6**	**0.72**	--	--
I5NB-POI-HA103-1.0	1.0	3.3	3/16/2006	2.9	--	--	--	--
I5NB-POI-HA104-0.3	0.3	1.0	3/16/2006	**120**	**11**	0.42	ND	7.2
I5NB-POI-HA105-1.0	1.0	3.3	3/16/2006	3.5	--	--	--	--
I5NB-POI-HA106-0.3	0.3	1.0	3/16/2006	23	--	--	--	--
I5NB-POI-HA107-0.6	0.6	2.0	3/17/2006	**70**	2.9	ND	--	7.2
I5NB-POI-HA108-1.0	1.0	3.3	3/17/2006	1.5	--	--	--	--
I5NB-POI-HA109-1.0	1.0	3.3	3/17/2006	8.7	--	--	--	--
I5NB-PAL-HA110-0.6	0.6	2.0	3/17/2006	29	--	--	--	--
I5NB-PAL-HA111-0.3	0.3	1.0	3/17/2006	4.3	--	--	--	--
I5NB-PAL-HA112-0.3	0.3	1.0	3/17/2006	2.7	--	--	--	--
I5NB-PAL-HA113-0.3	0.3	1.0	3/17/2006	**100**	**16**	0.48	ND	--
I5NB-PAL-HA114-0.3	0.3	1.0	3/17/2006	**56**	2.2	ND	--	--
I5NB-PAL-HA115-0.3	0.3	1.0	3/17/2006	42	--	--	--	--
I5NB-PAL-HA116-0.3	0.3	1.0	3/17/2006	41	--	--	--	--
I5NB-PAL-HA117-0.6	0.6	2.0	3/17/2006	8.3	--	--	--	--
I5NB-CAN-HA118-0.3	0.3	1.0	3/17/2006	**320**	**25**	ND	ND	8.1
I5NB-CAN-HA119-0.3	0.3	1.0	3/17/2006	17	--	--	--	--
I5NB-CAN-HA120-0.3	0.3	1.0	3/20/2006	6.2	--	--	--	--
I5NB-CAN-HA121-0.3	0.3	1.0	3/20/2006	6.4	--	--	--	--
I5NB-CAN-HA122-1.0	1.0	3.3	3/20/2006	**240**	**23**	**9.5**	ND	--
I5NB-CAN-HA123-1.0	1.0	3.3	3/20/2006	1.4	--	--	--	--
I5NB-CAN-HA124-1.0	1.0	3.3	3/20/2006	ND	--	--	--	--
I5NB-CAN-HA125-0.6	0.6	2.0	3/20/2006	3.9	--	--	--	--
I5NB-TAM-HA126-1.0	1.0	3.3	3/20/2006	ND	--	--	--	--
I5NB-TAM-HA127-0.3	0.3	1.0	3/20/2006	1.1	--	--	--	--
I5NB-TAM-HA128-0.6	0.6	2.0	3/20/2006	23	--	--	--	--
I5NB-TAM-HA129-0.6	0.6	2.0	3/20/2006	9.3	--	--	--	--
I5NB-TAM-HA130-1.0	1.0	3.3	3/20/2006	2.4	--	--	--	--
I5NB-TAM-HA131-1.0	1.0	3.3	3/20/2006	ND	--	--	--	--
I5NB-TAM-HA132-0.3	0.3	1.0	3/20/2006	1.8	--	--	--	--
I5NB-CVD-HA133-0.6	0.6	2.0	3/20/2006	7.9	--	--	--	--
I5NB-CVD-HA134-0.3	0.3	1.0	3/20/2006	24	--	--	--	--
I5NB-CVD-HA135- 0.3	0.3	1.0	3/22/2006	26	--	--	--	6.8
I5NB-CVD-HA136-0.3	0.3	1.0	3/22/2006	1.5	--	--	--	--
I5NB-CVD-HA137-0.3	0.3	1.0	3/22/2006	ND	--	--	--	--
I5NB-CVD-HA138-1.0	1.0	3.3	3/22/2006	ND	--	--	--	--
I5NB-CAS-HA139-1.0	1.0	3.3	3/22/2006	ND	--	--	--	--
I5NB-CAS-HA140-0.3	0.3	1.0	3/22/2006	6.3	--	--	--	--
I5NB-CAS-HA141-0.3	0.3	1.0	3/22/2006	19	--	--	--	--
I5NB-CAS-HA142-0.3	0.3	1.0	3/22/2006	**130**	**13**	ND	ND	--
I5NB-CAS-HA143-0.3	0.3	1.0	3/22/2006	28	--	--	--	--
I5NB-VIS-HA144-1.0	1.0	3.3	3/22/2006	ND	--	--	--	--

Table 4 - Summary of Hand Auger Boring Soil Sample Analytical Results - Lead and pH

Sample ID	Depth (meters)	Depth (feet)	Sample Date	Total Lead (mg/kg)	WET (mg/ℓ)	WET-DI (mg/ℓ)	TCLP (mg/ℓ)	pH
I5NB-VIS-HA145-0.3	0.3	1.0	3/22/2006	11	--	--	--	7.4
I5NB-VIS-HA146-0.3	0.3	1.0	3/22/2006	13	--	--	--	--
I5NB-VIS-HA147-0.3	0.3	1.0	3/22/2006	21	--	--	--	--
I5NB-VIS-HA148-0.3	0.3	1.0	3/22/2006	2.4	--	--	--	--
I5NB-VIS-HA149-0.3	0.3	1.0	3/22/2006	7.8	--	--	--	--
I5NB-VIS-HA150-0.3	0.3	1.0	3/22/2006	ND	--	--	--	--
I5NB-VIS-HA151-0.3	0.3	1.0	3/22/2006	**78**	4.2	ND	--	--
I5NB-VIS-HA152-0.3	0.3	1.0	3/22/2006	**110**	**11**	ND	ND	--
I5NB-OSD-HA153-0.3	0.3	1.0	3/23/2006	8.6	--	--	--	8.9
I5NB-OSD-HA154-0.6	0.6	2.0	3/23/2006	**66**	4.0	ND	--	--
I5NB-OSD-HA155-0.3	0.3	1.0	3/23/2006	**100**	**7.8**	ND	ND	--
I5NB-OSD-HA156-0.3	0.3	1.0	3/23/2006	**76**	4.1	ND	--	--
I5NB-OSD-HA157-0.3	0.3	1.0	3/23/2006	**130**	**9.4**	**0.61**	ND	--
I5NB-OSD-HA158-1.0	1.0	3.3	3/23/2006	3.6	--	--	--	--
I5NB-OSD-HA159-0.3	0.3	1.0	3/23/2006	16	--	--	--	--
I5NB-OSD-HA160-0.3	0.3	1.0	3/23/2006	**54**	3.0	ND	--	--
I5NB-MIS-HA161-0.3	0.3	1.0	3/23/2006	22	--	--	--	--
I5NB-MIS-HA162-0.3	0.3	1.0	3/23/2006	**250**	**31**	**2.1**	ND	--
I5NB-MIS-HA163-0.3	0.3	1.0	3/23/2006	**250**	**19**	**2.3**	ND	6.4
I5NB-MIS-HA164-0.3	0.3	1.0	3/23/2006	8.8	--	--	--	--
I5NB-MIS-HA165-1.0	1.0	3.3	3/23/2006	2.2	--	--	--	--
I5NB-MIS-HA166-0.3	0.3	1.0	3/23/2006	14	--	--	--	--
I5NB-H78-HA167-0.3	0.3	1.0	3/23/2006	17	--	--	--	--
I5NB-CPD-HA168-0.3	0.3	1.0	3/24/2006	15	--	--	--	7.5
I5NB-CPD-HA169-1.0	1.0	3.3	3/24/2006	1.8	--	--	--	--
I5NB-VAN-HA170-0.6	0.6	2.0	3/24/2006	7.1	--	--	--	--
I5NB-VAN-HA171-0.3	0.3	1.0	3/24/2006	14	--	--	--	--
I5SB-VAN-HA172-0.3	0.3	1.0	3/24/2006	**50**	3.2	ND	--	--
I5SB-HAR-HA173-1.4	1.4	4.6	3/24/2006	2.7	--	--	--	--
I5SB-HAR-HA174-0.6	0.6	2.0	3/24/2006	**70**	3.8	ND	--	--
I5SB-HAR-HA175-0.6	0.6	2.0	3/24/2006	**81**	**6.2**	ND	--	--
I5SB-CSH-HA176-0.3	0.3	1.0	3/24/2006	**62**	4.0	ND	--	--
I5SB-CSH-HA177-1.0	1.0	3.3	3/24/2006	3.2	--	--	--	--
I5SB-CSH-HA178-0.3	0.3	1.0	3/24/2006	15	--	--	--	7.0
I5SB-CSH-HA179-1.0	1.0	3.3	3/24/2006	1.9	--	--	--	--
I5SB-CSH-HA180-0.3	0.3	1.0	3/24/2006	9.2	--	--	--	--
I5SB-MIS-HA181-0.3	0.3	1.0	3/27/2006	13	--	--	--	8.5
I5SB-MIS-HA182-1.4	1.4	4.6	3/27/2006	3.5	--	--	--	--
I5SB-MIS-HA183-0.6	0.6	2.0	3/27/2006	2.5	--	--	--	--
I5SB-MIS-HA184-0.6	0.6	2.0	3/27/2006	4.0	--	--	--	--
I5SB-MIS-HA185-0.3	0.3	1.0	3/27/2006	3.0	--	--	--	--
I5SB-MIS-HA186-0.6	0.6	2.0	3/27/2006	6.4	--	--	--	--
I5SB-MIS-HA187-0.3	0.3	1.0	3/27/2006	28	--	--	--	--
I5SB-MIS-HA188-0.6	0.6	2.0	3/27/2006	6.6	--	--	--	--
I5SB-MIS-HA189-0.3	0.3	1.0	3/27/2006	5.7	--	--	--	--
I5SB-MIS-HA190-1.0	1.0	3.3	3/27/2006	3.3	--	--	--	--
I5SB-MIS-HA191-1.0	1.0	3.3	3/27/2006	2.0	--	--	--	8.4

Table 4 - Summary of Hand Auger Boring Soil Sample Analytical Results - Lead and pH

Sample ID	Depth (meters)	Depth (feet)	Sample Date	Total Lead (mg/kg)	WET (mg/ℓ)	WET-DI (mg/ℓ)	TCLP (mg/ℓ)	pH
I5SB-MIS-HA192-0.6	0.6	2.0	3/27/2006	37	--	--	--	--
I5SB-MIS-HA193-1.0	1.0	3.3	3/27/2006	2.0	--	--	--	--
I5SB-MIS-HA194-0.3	0.3	1.0	3/27/2006	15	--	--	--	--
I5SB-MIS-HA195-0.6	0.6	2.0	3/27/2006	2.1	--	--	--	--
I5SB-CAS-HA196-0.3	0.3	1.0	3/27/2006	32	--	--	--	--
I5SB-CAS-HA197-0.3	0.3	1.0	3/30/2006	9.2	--	--	--	8.0
I5SB-CAS-HA198-0.3	0.3	1.0	3/30/2006	16	--	--	--	--
I5SB-VIS-HA199-0.3	0.3	1.0	3/30/2006	25	--	--	--	--
I5SB-VIS-HA200-0.3	0.3	1.0	3/30/2006	23	--	--	--	--
I5SB-VIS-HA201-1.0	1.0	3.3	3/30/2006	32	--	--	--	--
I5SB-VIS-HA202-1.0	1.0	3.3	3/30/2006	1.3	--	--	--	--
I5SB-CAS-HA203-1.0	1.0	3.3	3/30/2006	2.6	--	--	--	--
I5SB-CAS-HA204-1.0	1.0	3.3	3/30/2006	29	--	--	--	--
I5SB-CAS-H205-1.0	1.0	3.3	3/30/2006	3.2	--	--	--	--
I5SB-CAS-H206-1.0	1.0	3.3	3/30/2006	3.1	--	--	--	--
I5SB-CVD-HA207-1.0	1.0	3.3	3/30/2006	15	--	--	--	6.5
I5SB-CVD-HA208-1.0	1.0	3.3	3/30/2006	3.2	--	--	--	--
I5SB-CVD-HA209-0.3	0.3	1.0	3/30/2006	44	--	--	--	--
I5SB-CVD-HA210-0.3	0.3	1.0	3/30/2006	14	--	--	--	--
I5SB-CVD-HA211-0.3	0.3	1.0	3/30/2006	**140**	**19**	ND	ND	--
I5SB-CUD-HA212-1.0	1.0	3.3	3/31/2006	3.6	--	--	--	8.3
I5SB-CUD-HA213-0.3	0.3	1.0	3/31/2006	2.3	--	--	--	--
I5SB-TAM-HA214-0.6	0.6	2.0	4/3/2006	45	--	--	--	7.0
I5SB-TAM-HA215-0.3	0.3	1.0	4/3/2006	7.0	--	--	--	--
I5SB-TAM-HA216-0.3	0.3	1.0	4/3/2006	11	--	--	--	--
I5SB-TAM-HA217-0.3	0.3	1.0	4/3/2006	3.3	--	--	--	--
I5SB-TAM-HA218-0.3	0.3	1.0	4/3/2006	7.5	--	--	--	--
I5SB-TAM-HA219-0.3	0.3	1.0	4/3/2006	18	--	--	--	--
I5SB-TAM-HA220-0.3	0.3	1.0	4/3/2006	**100**	**6.3**	ND	ND	--
I5SB-TAM-HA221-0.3	0.3	1.0	4/3/2006	37	--	--	--	--
I5SB-TAM-HA222-1.4	1.4	4.6	4/3/2006	4.0	--	--	--	--
I5SB-TAM-HA223-1.0	1.0	3.3	4/3/2006	6.2	--	--	--	--
I5SB-CAN-HA224-0.3	0.3	1.0	4/3/2006	4.5	--	--	--	7.5
I5SB-CAN-HA225-0.6	0.6	2.0	4/3/2006	13	--	--	--	--
I5SB-CAN-HA226-0.6	0.6	2.0	4/3/2006	11	--	--	--	--
I5SB-CAN-HA227-0.6	0.6	2.0	4/4/2006	9.1	--	--	--	7.2
I5SB-CAN-HA-228-0.3	0.3	1.0	4/4/2006	11	--	--	--	--
I5SB-CAN-HA-229-0.3	0.3	1.0	4/4/2006	21	--	--	--	--
I5SB-CAN-HA-230-0.6	0.6	2.0	4/4/2006	2.7	--	--	--	--
I5SB-CAN-HA-231-1.0	1.0	3.3	4/4/2006	1.9	--	--	--	--
I5SB-PAC-HA232-1.61	1.6	5.3	4/4/2006	1.0	--	--	--	--
I5SB-PAC-HA233-1.0	1.0	3.3	4/4/2006	ND	--	--	--	--
I5SB-PAC-HA234-0.6	0.6	2.0	4/4/2006	2.8	--	--	--	--
I5SB-PAC-HA235-0.6	0.6	2.0	4/4/2006	44	--	--	--	--
I5SB-PAC-HA236-0.6	0.6	2.0	4/4/2006	2.9	--	--	--	--
I5SB-PAC-HA237-0.6	0.6	2.0	4/4/2006	3.4	--	--	--	8.3
I5SB-PAC-HA238-0.6	0.6	2.0	4/4/2006	28	--	--	--	--

Table 4 - Summary of Hand Auger Boring Soil Sample Analytical Results - Lead and pH

Sample ID	Depth (meters)	Depth (feet)	Sample Date	Total Lead (mg/kg)	WET (mg/ℓ)	WET-DI (mg/ℓ)	TCLP (mg/ℓ)	pH
I5SB-PAC-HA239-0.3	0.3	1.0	4/4/2006	**57**	2.2	ND	--	--
I5SB-PAC-HA240-0.6	0.6	2.0	4/4/2006	2.9	--	--	--	--
I5SB-PAC-HA241-0.6	0.6	2.0	4/4/2006	5.0	--	--	--	--
I5SB-PAC-HA242-0.3	0.3	1.0	4/4/2006	3.4	--	--	--	--
I5SB-POI-HA243-1.0	1.0	3.3	4/4/2006	7.9	--	--	--	--
I5SB-POI-HA244-0.3	0.3	1.0	4/4/2006	3.5	--	--	--	--
I5SB-POI-HA245-0.6	0.6	2.0	4/4/2006	5.2	--	--	--	--
I5SB-POI-HA246-0.6	0.6	2.0	4/4/2006	1.3	--	--	--	--
I5SB-POI-HA247-0.3	0.3	1.0	4/4/2006	3.6	--	--	--	7.4
I5SB-POI-HA248-0.3	0.3	1.0	4/4/2006	7.9	--	--	--	--
I5SB-POI-HA249-0.6	0.6	2.0	4/4/2006	5.2	--	--	--	--
I5SB-POI-HA250-0.3	0.3	1.0	4/4/2006	**180**	**7.6**	**0.51**	ND	--
I5SB-POI-HA251-0.3	0.3	1.0	4/6/2006	10	--	--	--	7.2
I5SB-POI-HA252-0.6	0.6	2.0	4/6/2006	7.6	--	--	--	--
I5SB-POI-HA253-0.3	0.3	1.0	4/6/2006	4.6	--	--	--	--
I5SB-POI-HA254-1.0	1.0	3.3	4/6/2006	19	--	--	--	--
I5SB-POI-HA255-0.6	0.6	2.0	4/6/2006	6.3	--	--	--	--
I5SB-LOC-HA256-0.6	0.6	2.0	4/6/2006	6.6	--	--	--	--
I5SB-LOC-HA257-0.6	0.6	2.0	4/6/2006	**110**	**8.6**	**0.92**	ND	--
I5SB-LOC-HA258-1.0	1.0	3.3	4/6/2006	9.1	--	--	--	--
I5SB-LOC-HA259-0.6	0.6	2.0	4/6/2006	31	--	--	--	--
I5SB-LOC-HA260-1.0	1.0	3.3	4/6/2006	24	--	--	--	--
I5SB-LOC-HA261-0.6	0.6	2.0	4/6/2006	34	--	--	--	--
I5SB-LOC-HA262-1.0	1.0	3.3	4/6/2006	3.5	--	--	--	--
I5SB-LOC-HA263-1.0	1.0	3.3	4/6/2006	9.7	--	--	--	--
I5SB-LOC-HA264-1.0	1.0	3.3	4/6/2006	2.8	--	--	--	--
I5SB-LOC-HA265-1.0	1.0	3.3	4/6/2006	4.7	--	--	--	--
I5SB-LEU-HA266-1.0	1.0	3.3	4/6/2006	7.6	--	--	--	--
I5SB-LEU-HA267-1.0	1.0	3.3	4/6/2006	5.8	--	--	--	--
I5SB-LEU-HA268-0.3	0.3	1.0	4/6/2006	8.3	--	--	--	--
I5SB-LEU-HA269-1.0	1.0	3.3	4/6/2006	1.7	--	--	--	--
I5SB-LEU-HA270-0.3	0.3	1.0	4/6/2006	25	--	--	--	--
I5SB-LEU-HA271-1.0	1.0	3.3	4/6/2006	5.9	--	--	--	--
I5SB-LEU-HA272-0.6	0.6	2.0	4/6/2006	2.7	--	--	--	--
I5SB-LEU-HA273-1.4	1.4	4.6	4/6/2006	3.6	--	--	--	--
I5SB-LEU-HA274-0.6	0.6	2.0	4/6/2006	3.0	--	--	--	--
I5SB-LEV-HA275-0.3	0.3	1.0	4/7/2006	2.8	--	--	--	4.8
I5SB-ENC-HA276-0.3	0.3	1.0	4/7/2006	6.6	--	--	--	--
I5SB-ENC-HA277-0.6	0.6	2.0	4/7/2006	5.8	--	--	--	--
I5SB-ENC-HA278-1.0	1.0	3.3	4/7/2006	1.1	--	--	--	--
I5SB-ENC-HA279-0.6	0.6	2.0	4/7/2006	2.5	--	--	--	--
I5SB-ENC-HA280-1.0	1.0	3.3	4/7/2006	44	--	--	--	--
I5SB-ENC-HA281-0.6	0.6	2.0	4/7/2006	2.4	--	--	--	--
I5SB-ENC-HA282-0.6	0.6	2.0	4/7/2006	5.1	--	--	--	--
I5SB-ENC-HA283-0.3	0.3	1.0	4/7/2006	9.1	--	--	--	--
I5SB-SAN-HA284-0.6	0.6	2.0	4/7/2006	16	--	--	--	--
I5SB-SAN-HA285-0.3	0.3	1.0	4/7/2006	7.7	--	--	--	--

Table 4 - Summary of Hand Auger Boring Soil Sample Analytical Results - Lead and pH

Sample ID	Depth (meters)	Depth (feet)	Sample Date	Total Lead (mg/kg)	WET (mg/ℓ)	WET-DI (mg/ℓ)	TCLP (mg/ℓ)	pH
I5SB-SAN-HA286-0.3	0.3	1.0	4/7/2006	**110**	**6.0**	**0.83**	ND	--
I5SB-SAN-HA287-1.0	1.0	3.3	4/7/2006	5.3	--	--	--	--
I5SB-SAN-HA288-0.3	0.3	1.0	4/7/2006	7.1	--	--	--	--
I5SB-SAN-HA289-0.6	0.6	2.0	4/7/2006	6.8	--	--	--	--

Notes:

-- = Not analyzed

Bold = concentration equals or exceeds 50 mg/kg total lead, soluble threshold limit concentration of 5 mg/l, or 0.5 mg/l leachable lead based on variance.

mg/kg = Milligrams per kilogram

mg/ℓ = Milligrams per liter

ND = Not detected at or above the reporting limit

TCLP = Toxicity Characteristic Leaching Procedure

WET = Waste Extraction Test

WET-DI = Waste Extraction Test using deionized water

Table 5 -Hand Auger Soil Sample Results - Statistics Worksheet

Analytical Method: Total Lead, 6010B

Units: mg/kg

Sample ID	Sample Result
I5NB-BIR-HA01-0.6	3.2
I5NB-BIR-HA02-1.0	4.1
I5NB-BIR-HA03-0.6	1.1
I5NB-BIR-HA04-0.3	9.4
I5NB-BIR-HA05-0.3	4.4
I5NB-BIR-HA06-0.3	2.2
I5NB-BIR-HA07-0.6	28
I5NB-BIR-HA08-0.3	4.9
I5NB-BIR-HA09-1.0	2.3
I5NB-BIR-HA10-0.3	2.9
I5NB-BIR-HA11-1.4	5.3
I5NB-BIR-HA12-0.6	3.3
I5NB-BIR-HA13-0.3	2.2
I5NB-BIR-HA14-0.6	3.2
I5NB-BIR-HA15-0.6	14
I5NB-SAN-HA16-1.0	4
I5NB-SAN-HA17-0.6	1.9
I5NB-SAN-HA18-1.0	2.8
I5NB-SAN-HA19-1.0	13
I5NB-SAN-HA20-0.3	19
I5NB-SAN-HA21-1.0	14
I5NB-SAN-HA22-0.6	1.7
I5NB-SAN-HA23-1.0	1.9
I5NB-SAN-HA24-0.6	12
I5NB-SAN-HA25-0.3	5.8
I5NB-SAN-HA26-0.6	3.9
I5NB-SAN-HA27-1.0	3.8
I5NB-SAN-HA28-0.3	2.8
I5NB-SAN-HA29-1.0	2.9
I5NB-SAN-HA30-0.6	2.8
I5NB-SAN-HA31-0.6	3.4
I5NB-SAN-HA32-1.0	2.1
I5NB-SAN-HA33-1.4	1.4
I5NB-SAN-HA34-0.6	1.3
I5NB-SAN-HA35-0.6	19
I5NB-SAN-HA36-1.0	1.6
I5NB-SAN-HA37-0.3	6.9
I5NB-ENC-HA38-1.0	6.8
I5NB-ENC-HA39-0.6	3.8
I5NB-ENC-HA40-1.0	2.9
I5NB-ENC-HA41-1.0	3.4
I5NB-ENC-HA42-1.0	1.7
I5NB-ENC-HA43-0.3	9.2
I5NB-ENC-HA44-1.0	17
I5NB-ENC-HA45-0.3	32
I5NB-ENC-HA46-0.6	17
I5NB-ENC-HA47-1.4	4.4

Statistical Analysis	
Number of Samples (n)	289.00
Sample Mean (x)	22.24
Sample Variance (s^2)	2281.69
Standard Deviation (s)	47.68
Degrees of Freedon (df)	288.00
Standard Error of Mean (s[x])	2.80
Student's 't' value	1.28
80% Confidence Interval	25.85

Table 5 -Hand Auger Soil Sample Results - Statistics Worksheet

Analytical Method: Total Lead, 6010B

Units: mg/kg

Sample ID	Sample Result	Statistical Analysis
I5NB-ENC-HA48-1.0	2.7	
I5NB-ENC-HA49-0.6	6.5	
I5NB-ENC-HA50-1.0	8.5	
I5NB-ENC-HA51-0.3	**410**	
I5NB-ENC-HA52-1.0	3.4	
I5NB-ENC-HA53-0.3	20	
I5NB-ENC-HA54-0.6	21	
I5NB-ENC-HA55-1.0	4.1	
I5NB-ENC-HA56-0.3	2.7	
I5NB-ENC-HA57-1.4	4.6	
I5NB-ENC-HA58-0.6	1.8	
I5NB-ENC-HA59-0.3	2.6	
I5NB-ENC-HA60-1.0	1.6	
I5NB-ENC-HA61-0.6	**55**	
I5NB-ENC-HA62-1.0	3.2	
I5NB-ENC-HA63-0.6	1.8	
I5NB-ENC-HA64-1.4	5	
I5NB-ENC-HA65-0.3	15	
I5NB-ENC-HA66-1.0	11	
I5NB-ENC-HA67-1.0	4.3	
I5NB-ENC-HA68-1.0	4.9	
I5NB-LEU-HA69-1.0	4.9	
I5NB-LEU-HA70-1.0	8	
I5NB-LEU-HA74-0.3	3.3	
I5NB-LEU-HA75-0.3	9.6	
I5NB-LEU-HA76-0.3	**160**	
I5NB-LEU-HA77-0.3	3.3	
I5NB-LEU-HA78-0.3	2	
I5NB-LEU-HA79-1.4	1.6	
I5NB-LEU-HA80-1.4	2.2	
I5NB-LEU-HA81-1.0	2.7	
I5NB-LEU-HA82-0.3	3.5	
I5NB-LEU-HA83-0.3	9.8	
I5NB-LEU-HA84-0.6	5.2	
I5NB-LEU-HA85-1.4	2.7	
I5NB-LEU-HA86-0.6	6.8	
I5NB-LEU-HA87-1.0	5	
I5NB-LOC-HA88-0.6	6.4	
I5NB-LOC-HA89-0.6	11	
I5NB-LOC-HA90-1.0	8.1	
I5NB-LOC-HA91-0.6	7.7	
I5NB-LOC-HA92-0.6	24	
I5NB-LOC-HA93-0.6	**210**	
I5NB-LOC-HA94-0.6	7.8	
I5NB-LOC-HA95-0.6	42	
I5NB-LOC-HA96-0.6	3.4	
I5NB-LOC-HA97-0.3	2.6	

Table 5 -Hand Auger Soil Sample Results - Statistics Worksheet

Analytical Method: Total Lead, 6010B

Units: mg/kg

Sample ID	Sample Result	Statistical Analysis
I5NB-LOC-HA98-0.3	45	
I5NB-LOC-HA99-1.0	2.9	
I5NB-PO1-HA100-0.6	4.4	
I5NB-PO1-HA101-0.6	9	
I5NB-PO1-HA102-0.6	**64**	
I5NB-PO1-HA103-1.0	2.9	
I5NB-PO1-HA104-0.3	**120**	
I5NB-PO1-HA105-1.0	3.5	
I5NB-PO1-HA106-0.3	23	
I5NB-P01-HA107-0.6	**70**	
I5NB-P01-HA108-1.0	1.5	
I5NB-P01-HA109-1.0	8.7	
I5NB-PAL-HA110-0.6	29	
I5NB-PAL-HA111-0.3	4.3	
I5NB-PAL-HA112-0.3	2.7	
I5NB-PAL-HA113-0.3	**100**	
I5NB-PAL-HA114-0.3	**56**	
I5NB-PAL-HA115-0.3	42	
I5NB-PAL-HA116-0.3	41	
I5NB-PAL-HA117-0.6	8.3	
I5NB-CAN-HA118-0.3	**320**	
I5NB-CAN-HA119-0.3	17	
I5NB-CAN-HA120-0.3	6.2	
I5NB-CAN-HA121-0.3	6.4	
I5NB-CAN-HA122-1.0	**240**	
I5NB-CAN-HA123-1.0	1.4	
I5NB-CAN-HA124-1.0	0.5	
I5NB-CAN-HA125-0.6	3.9	
I5NB-TAM-HA126-1.0	0.5	
I5NB-TAM-HA127-0.3	1.1	
I5NB-TAM-HA128-0.6	23	
I5NB-TAM-HA129-0.6	9.3	
I5NB-TAM-HA130-1.0	2.4	
I5NB-TAM-HA131-1.0	0.5	
I5NB-TAM-HA132-0.3	1.8	
I5NB-CVD-HA133-0.6	7.9	
I5NB-CVD-HA134-0.3	24	
I5NB-CVD-HA135- 0.3	26	
I5NB-CVD-HA136-0.3	1.5	
I5NB-CVD-HA137-0.3	0.5	
I5NB-CVD-HA138-1.0	0.5	
I5NB-CAS-HA139-1.0	0.5	
I5NB-CAS-HA140-0.3	6.3	
I5NB-CAS-HA141-0.3	19	
I5NB-CAS-HA142-0.3	**130**	
I5NB-CAS-HA143-0.3	28	
I5NB-VIS-HA144-1.0	0.5	

Table 5 -Hand Auger Soil Sample Results - Statistics Worksheet

Analytical Method: Total Lead, 6010B

Units: mg/kg

Sample ID	Sample Result	Statistical Analysis
I5NB-VIS-HA145-0.3	11	
I5NB-VIS-HA146-0.3	13	
I5NB-VIS-HA147-0.3	21	
I5NB-VIS-HA148-0.3	2.4	
I5NB-VIS-HA149-0.3	7.8	
I5NB-VIS-HA150-0.3	0.5	
I5NB-VIS-HA151-0.3	**78**	
I5NB-VIS-HA152-0.3	**110**	
I5NB-OSD-HA153-0.3	8.6	
I5NB-OSD-HA154-0.6	**66**	
I5NB-OSD-HA155-0.3	**100**	
I5NB-OSD-HA156-0.3	**76**	
I5NB-OSD-HA157-0.3	**130**	
I5NB-OSD-HA158-1.0	3.6	
I5NB-OSD-HA159-0.3	16	
I5NB-OSD-HA160-0.3	**54**	
I5NB-MIS-HA161-0.3	22	
I5NB-MIS-HA162-0.3	**250**	
I5NB-MIS-HA163-0.3	**250**	
I5NB-MIS-HA164-0.3	8.8	
I5NB-MIS-HA165-1.0	2.2	
I5NB-MIS-HA166-0.3	14	
I5NB-H78-HA167-0.3	17	
I5NB-CPD-HA168-0.3	15	
I5NB-CPD-HA169-1.0	1.8	
I5NB-VAN-HA170-0.6	7.1	
I5NB-VAN-HA171-0.3	14	
I5SB-VAN-HA172-0.3	**50**	
I5SB-HAR-HA173-1.4	2.7	
I5SB-HAR-HA174-0.6	**70**	
I5SB-HAR-HA175-0.6	**81**	
I5SB-CSH-HA176-0.3	**62**	
I5SB-CSH-HA177-1.0	3.2	
I5SB-CSH-HA178-0.3	15	
I5SB-CSH-HA179-1.0	1.9	
I5SB-CSH-HA180-0.3	9.2	
I5SB-MIS-HA181-0.3	13	
I5SB-MIS-HA182-1.4	3.5	
I5SB-MIS-HA183-0.6	2.5	
I5SB-MIS-HA184-0.6	4	
I5SB-MIS-HA185-0.3	3	
I5SB-MIS-HA186-0.6	6.4	
I5SB-MIS-HA187-0.3	28	
I5SB-MIS-HA188-0.6	6.6	
I5SB-MIS-HA189-0.3	5.7	
I5SB-MIS-HA190-1.0	3.3	
I5SB-MIS-HA191-1.0	2	

Table 5 -Hand Auger Soil Sample Results - Statistics Worksheet

Analytical Method: Total Lead, 6010B

Units: mg/kg

Sample ID	Sample Result	Statistical Analysis
I5SB-MIS-HA192-0.6	37	
I5SB-MIS-HA193-1.0	2	
I5SB-MIS-HA194-0.3	15	
I5SB-MIS-HA195-0.6	2.1	
I5SB-CAS-HA196-0.3	32	
I5SB-CAS-HA197-0.3	9.2	
I5SB-CAS-HA198-0.3	16	
I5SB-VIS-HA199-0.3	25	
I5SB-VIS-HA200-0.3	23	
I5SB-VIS-HA201-1.0	32	
I5SB-VIS-HA202-1.0	1.3	
I5SB-CAS-HA203-1.0	2.6	
I5SB-CAS-HA204-1.0	29	
I5SB-CAS-H205-1.0	3.2	
I5SB-CAS-H206-1.0	3.1	
I5SB-CVD-HA207-1.0	15	
I5SB-CVD-HA208-1.0	3.2	
I5SB-CVD-HA209-0.3	44	
I5SB-CVD-HA210-0.3	14	
I5SB-CVD-HA211-0.3	**140**	
I5SB-CUD-HA212-1.0	3.6	
I5SB-CUD-HA213-0.3	2.3	
I5SB-TAM-HA214-0.6	45	
I5SB-TAM-HA215-0.3	7	
I5SB-TAM-HA216-0.3	11	
I5SB-TAM-HA217-0.3	3.3	
I5SB-TAM-HA218-0.3	7.5	
I5SB-TAM-HA219-0.3	18	
I5SB-TAM-HA220-0.3	**100**	
I5SB-TAM-HA221-0.3	37	
I5SB-TAM-HA222-1.4	4	
I5SB-TAM-HA223-1.0	6.2	
I5SB-CAN-HA224-0.3	4.5	
I5SB-CAN-HA225-0.6	13	
I5SB-CAN-HA226-0.6	11	
I5SB-CAN-HA227-0.6	9.1	
I5SB-CAN-HA-228-0.3	11	
I5SB-CAN-HA-229-0.3	21	
I5SB-CAN-HA-230-0.6	2.7	
I5SB-CAN-HA-231-1.0	1.9	
I5SB-PAC-HA232-1.61	1	
I5SB-PAC-HA233-1.0	0.5	
I5SB-PAC-HA234-0.6	2.8	
I5SB-PAC-HA235-0.6	44	
I5SB-PAC-HA236-0.6	2.9	
I5SB-PAC-HA237-0.6	3.4	
I5SB-PAC-HA238-0.6	28	

Table 5 -Hand Auger Soil Sample Results - Statistics Worksheet

Analytical Method: Total Lead, 6010B

Units: mg/kg

Sample ID	Sample Result	Statistical Analysis
I5SB-PAC-HA239-0.3	**57**	
I5SB-PAC-HA240-0.6	2.9	
I5SB-PAC-HA241-0.6	5	
I5SB-PAC-HA242-0.3	3.4	
I5SB-POI-HA243-1.0	7.9	
I5SB-POI-HA244-0.3	3.5	
I5SB-POI-HA245-0.6	5.2	
I5SB-POI-HA246-0.6	1.3	
I5SB-POI-HA247-0.3	3.6	
I5SB-POI-HA248-0.3	7.9	
I5SB-POI-HA249-0.6	5.2	
I5SB-POI-HA250-0.3	**180**	
I5SB-PO1-HA251-0.3	10	
I5SB-PO1-HA252-0.6	7.6	
I5SB-PO1-HA253-0.3	4.6	
I5SB-PO1-HA254-1.0	19	
I5SB-PO1-HA255-0.6	6.3	
I5SB-LOC-HA256-0.6	6.6	
I5SB-LOC-HA257-0.6	**110**	
I5SB-LOC-HA258-1.0	9.1	
I5SB-LOC-HA259-0.6	31	
I5SB-LOC-HA260-1.0	24	
I5SB-LOC-HA261-0.6	34	
I5SB-LOC-HA262-1.0	3.5	
I5SB-LOC-HA263-1.0	9.7	
I5SB-LOC-HA264-1.0	2.8	
I5SB-LOC-HA265-1.0	4.7	
I5SB-LEU-HA266-1.0	7.6	
I5SB-LEU-HA267-1.0	5.8	
I5SB-LEU-HA268-0.3	8.3	
I5SB-LEU-HA269-1.0	1.7	
I5SB-LEU-HA270-0.3	25	
I5SB-LEU-HA271-1.0	5.9	
I5SB-LEU-HA272-0.6	2.7	
I5SB-LEU-HA273-1.4	3.6	
I5SB-LEU-HA274-0.6	3	
I5SB-LEV-HA275-0.3	2.8	
I5SB-ENC-HA276-0.3	6.6	
I5SB-ENC-HA277-0.6	5.8	
I5SB-ENC-HA278-1.0	1.1	
I5SB-ENC-HA279-0.6	2.5	
I5SB-ENC-HA280-1.0	44	
I5SB-ENC-HA281-0.6	2.4	
I5SB-ENC-HA282-0.6	5.1	
I5SB-ENC-HA283-0.3	9.1	
I5SB-SAN-HA284-0.6	16	
I5SB-SAN-HA285-0.3	7.7	

Table 5 -Hand Auger Soil Sample Results - Statistics Worksheet

Analytical Method: Total Lead, 6010B

Units: mg/kg

Sample ID	Sample Result	Statistical Analysis
I5SB-SAN-HA286-0.3	**110**	
I5SB-SAN-HA287-1.0	5.3	
I5SB-SAN-HA288-0.3	7.1	
I5SB-SAN-HA289-0.6	6.8	

Table 6 - Summary of Hand Auger Boring Soil Sample Analytical Results - Detected Title 22 Metals

Sample ID	Sample Depth (meters)	Sample Depth (feet)	Sample Date	Arsenic (mg/kg)	Barium (mg/kg)	Chromium (mg/kg)	Cobalt (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Vanadium (mg/kg)	Zinc (mg/kg)
I5NB-OLY-HA-290-1.0	1.0	3.28	5/15/2006	2.1	15	18	2.0	3.0	**200**	2.5	21	63
I5NB-OLY-HA-291-1.0	1.0	3.28	5/15/2006	2.7	49	9.5	15	3.0	3.1	7.5	24	15
I5NB-OLY-HA-292-1.0	1.0	3.28	5/15/2006	2.8	53	14	21	6.4	6.5	11	27	25
I5NB-OLY-HA-293-1.0	1.0	3.28	5/15/2006	1.2	47	12	3.8	2.6	2.2	3.9	40	12
I5NB-OLY-HA-294-1.0	1.0	3.28	5/15/2006	1.4	24	14	5.6	2.9	2.9	4.4	49	14

Notes:

mg/kg = milligrams per kilogram

Bold indicates concentration equals or exceeds 50 mg/kg total lead

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Table 7 - Summary of Hand Auger Boring Soil Sample Analytical Results - Detected Pesticides and Herbicides

Sample ID	Sample Depth (meters)	Sample Depth (feet)	Sample Date	4,4'-DDD (µg/kg)	4,4'-DDE (µg/kg)	4,4'-DDT (µg/kg)	alpha-Chlordane (µg/kg)	Chlordane (µg/kg)	Dieldrin (µg/kg)	Endosulfan I (µg/kg)	Endosulfan II (µg/kg)	Endosulfan Sulfate (µg/kg)	Endrin (µg/kg)	Endrin Ketone (µg/kg)	gamma-Chlordane (µg/kg)	Toxaphene (µg/kg)
I5-NB-BIR-HA10-0.3	0.3	1	3/7/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
I5NB-ENC-HA53-0.3	0.3	1.0	3/10/2006	ND	140	20	1.3	20	ND	ND	ND	ND	ND	ND	1.5	ND
I5NB-ENC-HA58-0.6	0.6	2.0	3/10/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
I5NB-LEU-HA74-0.3	0.3	1.0	3/13/2006	ND	24	13	ND	20	ND	ND	ND	ND	ND	ND	ND	ND
I5NB-LEU-HA84-0.6	0.6	2.0	3/14/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
I5NB-CAN-HA119-0.3	0.3	1.0	3/17/2006	2.2	90	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	120
I5NB-CAN-HA121-0.3	0.3	1.0	3/20/2006	16	650	320	ND	ND	38	ND	ND	ND	ND	ND	ND	570
I5SB-OLY-HA-290-1.0	1.0	3.3	5/15/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
I5SB-OLY-HA-291-1.0	1.0	3.3	5/15/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
I5SB-OLY-HA-292-1.0	1.0	3.3	5/15/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
I5SB-OLY-HA-293-1.0	1.0	3.3	5/15/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
I5SB-OLY-HA-294-1.0	1.0	3.3	5/15/2006	2.1	66	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
I5SB-HALL-HA295-0.5	0.5	1.6	5/17/2006	ND	9.6	8.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
I5SB-HALL-HA296-0.5	0.5	1.6	5/17/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
I5SB-HALL-HA297-0.5	0.5	1.6	5/17/2006	ND	4.1	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
I5SB-HALL-HA298-0.5	0.5	1.6	5/17/2006	ND	5.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
I5SB-HALL-HA299-0.5	0.5	1.6	5/17/2006	ND	23	32	ND	ND	ND	ND	4.9	9.7	ND	ND	ND	230
I5SB-HALL-HA300-0.5	0.5	1.6	5/17/2006	ND	140	63	ND	ND	ND	ND	ND	ND	ND	ND	ND	290
I5SB-HALL-HA301-0.5	0.5	1.6	5/17/2006	ND	450	670	ND	ND	ND	ND	ND	ND	ND	ND	ND	2900
I5SB-HALL-HA302-0.5	0.5	1.6	5/17/2006	ND	19	28	ND	ND	ND	ND	ND	ND	ND	ND	ND	270
I5SB-HALL-HA303-0.5	0.5	1.6	5/17/2006	ND	230	300	ND	ND	100	ND	ND	ND	ND	ND	ND	5600
I5SB-HALL-HA304-0.5	0.5	1.6	5/17/2006	ND	320	520	ND	ND	ND	ND	ND	ND	ND	ND	ND	1600
I5SB-HALL-HA305-0.5	0.5	1.6	5/17/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
I5SB-HALL-HA306-0.5	0.5	1.6	5/17/2006	4.0	90	41	ND	ND	ND	ND	ND	ND	ND	ND	ND	170
I5SB-HALL-HA307-0.5	0.5	1.6	5/17/2006	14	250	83	ND	ND	ND	ND	ND	ND	ND	ND	3.3	430
I5SB-HALL-HA308-0.5	0.5	1.6	5/17/2006	22	620	130	5.2	ND	ND	ND	ND	ND	ND	ND	7.3	910
I5SB-HALL-HA309-0.5	0.5	1.6	5/17/2006	ND	51	21	ND	ND	ND	ND	ND	ND	ND	ND	ND	110
I5SB-HALL-HA310-0.5	0.5	1.6	5/17/2006	ND	5.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
I5SB-HALL-HA311-0.5	0.5	1.6	5/17/2006	ND	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
I5SB-HALL-HA312-0.5	0.5	1.6	5/17/2006	3.7	93	56	ND	ND	ND	ND	ND	ND	ND	ND	1.4	270
I5SB-HALL-HA313-0.5	0.5	1.6	5/17/2006	51	660	93	4.7	ND	21	ND	ND	ND	ND	ND	5.8	270
I5SB-HALL-HA314-0.5	0.5	1.6	5/17/2006	230	690	230	ND	ND	ND	ND	ND	ND	ND	ND	ND	1800
I5SB-HALL-HA315-0.5	0.5	1.6	5/17/2006	ND	270	120	ND	ND	ND	ND	ND	ND	ND	ND	ND	520
I5SB-HALL-HA316-0.5	0.5	1.6	5/17/2006	ND	420	730	ND	ND	ND	ND	ND	ND	ND	ND	ND	2500
I5SB-HALL-HA317-0.5	0.5	1.6	5/17/2006	ND	65	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	180
I5SB-HALL-HA318-0.5	0.5	1.6	5/17/2006	ND	220	440	ND	ND	ND	ND	ND	ND	ND	ND	ND	600
I5SB-HALL-HA319-0.5	0.5	1.6	5/17/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
I5SB-HALL-HA320-0.5	0.5	1.6	5/17/2006	ND	140	80	ND	ND	ND	ND	ND	ND	ND	ND	ND	430
I5NB-LYM-HA321-1.5	0.46	1.5	8/3/2006	17	19	21	6.3	17	4.5	2.9	ND	ND	64	ND	5.2	ND
I5NB-LYM-HA322-1.0	0.3	1.0	8/3/2006	ND	22	4.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
I5NB-LYM-HA323-1.0	0.3	1.0	8/3/2006	ND	13	13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
I5NB-LYM-HA324-0.5	0.15	0.5	8/3/2006	ND	31	14	6.6	ND	52	ND	ND	ND	ND	ND	5.7	ND
I5NB-LYM-HA325-1.0	0.3	1.0	8/3/2006	6.3	83	95	ND	ND	88	ND	ND	ND	ND	ND	ND	280
I5NB-LYM-HA326-0.5	0.15	0.5	8/3/2006	16	320	160	1.6	12	360	ND	ND	ND	ND	ND	1.3	650
I5NB-LYM-HA327-1.0	0.3	1.0	8/3/2006	33	440	290	4.8	21	620	ND	ND	ND	ND	ND	3.5	1400
I5NB-LYM-HA328-1.0	0.3	1.0	8/3/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Table 7 - Summary of Hand Auger Boring Soil Sample Analytical Results - Detected Pesticides and Herbicides

Sample ID	Sample Depth (meters)	Sample Depth (feet)	Sample Date	4,4'-DDD (µg/kg)	4,4'-DDE (µg/kg)	4,4'-DDT (µg/kg)	alpha-Chlordane (µg/kg)	Chlordane (µg/kg)	Dieldrin (µg/kg)	Endosulfan I (µg/kg)	Endosulfan II (µg/kg)	Endosulfan Sulfate (µg/kg)	Endrin (µg/kg)	Endrin Ketone (µg/kg)	gamma-Chlordane (µg/kg)	Toxaphene (µg/kg)
I5NB-LYM-HA329-0.5	0.15	0.5	8/3/2006	ND	11	3.4	ND	ND	12	ND	ND	ND	ND	ND	ND	ND
I5NB-LYM-HA330-1.0	0.3	1.0	8/3/2006	ND	43	25	ND	ND	23	ND	ND	ND	ND	ND	ND	97
I5NB-GIM-HA331-1.0	0.3	1.0	8/4/2006	ND	35	25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
I5NB-GIM-HA332-0.5	0.15	0.5	8/4/2006	2.5	73	59	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
I5NB-GIM-HA333-1.5	0.46	1.5	8/4/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
I5NB-GIM-HA334-1.0	0.3	1.0	8/4/2006	ND	33	36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
I5NB-GIM-HA335-0.5	0.15	0.5	8/4/2006	3.4	72	110	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
I5NB-GIM-HA336-1.0	0.3	1.0	8/4/2006	ND	24	22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
I5NB-GIM-HA337-1.5	0.46	1.5	8/4/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
I5NB-GIM-HA338-0.5	0.15	0.5	8/4/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
I5NB-GIM-HA339-0.5	0.15	0.5	8/4/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
I5NB-GIM-HA340-1.0	0.3	1.0	8/4/2006	ND	12	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
I5NB-GIM-HA341-1.5	0.46	1.5	8/4/2006	ND	13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
I5NB-GIM-HA342-1.0	0.3	1.0	8/4/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
I5NB-GIM-HA343-1.0	0.3	1.0	8/4/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
I5NB-GIM-HA344-0.5	0.15	0.5	8/4/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
I5NB-GIM-HA345-0.5	0.15	0.5	8/4/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
I5NB-CAN1-HA346-2.0	0.6	2.0	8/24/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
I5NB-CAN1-HA347-1.0	0.3	1.0	8/24/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
I5NB-CAN1-HA348-0.5	0.15	0.5	8/24/2006	ND	14	17	ND	ND	ND	ND	ND	ND	ND	ND	ND	180
I5NB-CAN1-HA349-1.0	0.3	1.0	8/24/2006	31	240	170	ND	ND	ND	ND	ND	ND	ND	ND	ND	1000
I5NB-CAN1-HA350-0.5	0.15	0.5	8/24/2006	20	170	120	ND	ND	ND	ND	ND	ND	ND	ND	ND	590
I5NB-CAN1-HA351-1.0	0.3	1.0	8/24/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
I5NB-CAN1-HA352-0.5	0.15	0.5	8/24/2006	ND	18	85	ND	ND	ND	ND	ND	ND	ND	ND	ND	1100
I5NB-CAN1-HA353-1.5	0.46	1.5	8/24/2006	99	240	110	ND	ND	ND	ND	ND	ND	ND	ND	ND	2600
I5NB-CAN1-HA354-1.0	0.3	1.0	8/24/2006	17	34	31	ND	ND	ND	ND	ND	ND	ND	ND	ND	540
I5NB-CAN1-HA355-1.0	0.3	1.0	8/24/2006	14	37	38	ND	ND	ND	ND	ND	ND	ND	ND	ND	1100
I5NB-CAN1-HA356-1.0	0.3	1.0	8/24/2006	ND	12	6.0	1.8	ND	ND	ND	ND	ND	ND	ND	ND	100
I5NB-CAN1-HA357-0.5	0.15	0.5	8/24/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
I5NB-CAN1-HA358-1.5	0.46	1.5	8/24/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
I5NB-CAN1-HA359-1.0	0.3	1.0	8/24/2006	14	52	19	ND	ND	2.1	ND	ND	ND	ND	ND	ND	300
I5NB-CAN1-HA360-0.5	0.15	0.5	8/24/2006	ND	20	21	1.2	ND	6.4	ND	ND	ND	ND	3.5	ND	100

Notes:

µg/kg = micrograms per kilogram

ND = Not detected at or above the reporting limit

Shading indicates concentration exceeds total threshold limit concentration

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Table 8 - Summary of Hollow-Stem Auger Boring Soil Sample Analytical Results - TPH, Detected VOCs, SVOCs, and PCBs

Sample ID	Interchange	Sample Depth (feet)	Sample Depth (meters)	TPH-gasoline (mg/kg)	TPH-diesel (mg/kg)	VOCs (µg/kg)		SVOCs (µg/kg)	PCBs (µg/kg)
						benzene	methylene chloride	bis(2-ethylhexyl) phthalate	
NM03-B1	Tamarack Ave.	16.5	5.0	ND	ND	ND	ND	ND	--
		21.5	6.6	ND	ND	ND	ND	ND	--
		25.5	7.8	ND	ND	ND	ND	ND	--
NM03-B2	Mission Ave.	6.5	2.0	ND	ND	ND	ND	ND	--
		11.0	3.4	ND	ND	ND	ND	ND	--
		15.0	4.6	ND	ND	ND	ND	ND	--
NM03-B3	Tamarack Ave.	11.0	3.4	ND	ND	ND	ND	ND	--
		15.5	4.7	ND	ND	ND	ND	ND	--
		21.0	6.4	ND	ND	ND	ND	ND	--
NM03-B4	Oceanside Blvd.	5.0	1.5	ND	ND	ND	ND	ND	--
		11.0	3.4	ND	ND	ND	ND	ND	--
		15.5	4.7	ND	ND	ND	ND	ND	--
NM03-B5	Palomar Airport Rd.	6.0	1.8	ND	ND	ND	ND	ND	--
		11.0	3.4	ND	ND	ND	ND	ND	--
		16.0	4.9	ND	ND	ND	ND	ND	--
NM03-B6	Oceanside Blvd.	1.0	0.3	ND	ND	ND	ND	ND	--
		6.0	1.8	ND	ND	ND	ND	ND	--
		11.0	3.4	ND	ND	ND	ND	ND	--
NM03-B7	Palomar Airport Rd.	30.0	9.1	ND	ND	5.1	ND	ND	--
		35.0	10.6	ND	ND	19	ND	ND	--
		41.0	12.5	ND	ND	ND	ND	ND	--
NM03-B8	Carlsbad Village Dr.	5.5	1.7	ND	ND	ND	ND	ND	ND
		10.5	3.2	ND	21	ND	ND	ND	ND
		12.0	3.7	ND	ND	ND	ND	ND	ND
NM03-B9	Mission Ave.	5.0	1.5	ND	27	ND	ND	ND	--
		10.0	3.0	ND	25	ND	ND	ND	--
		15.0	4.6	ND	ND	ND	ND	ND	--
NM03-B10	Brooks St.	5.0	1.5	--	--	ND	46	4300	ND
		10.0	3.2	--	--	--	--	--	--
		15.0	3.7	--	--	ND	ND	2400	ND
		20.0	6.2	--	--	ND	ND	2600	ND
		25.0	7.5	--	--	--	--	--	--
		30.0	7.5	--	--	--	--	--	--
NM03-B11	Brooks St.	5.0	1.5	--	--	ND	ND	ND	ND
		10.0	3.2	--	--	--	--	--	--
		15.0	3.7	--	--	ND	ND	1200	ND
		20.0	6.2	--	--	--	--	--	--

Notes:
mg/kg = Milligrams per kilogram
µg/kg = Micrograms per kilogram
-- = not analyzed
ND = Not detected at or above the reporting limit
PCBs = Polychlorinated biphenyls
SVOCs = Semi-volatile organic compounds
TPH = Total petroleum hydrocarbons
VOCs = Volatile organic compounds

Table 9 - Summary of Hollow-Stem Auger Boring Soil Sample Analytical Results - Detected Title 22 Metals

Sample ID	Interchange	Sample Depth (feet)	Sample Depth (meters)	Antimony (mg/kg)	Arsenic (mg/kg)	Barium (mg/kg)	Chromium (mg/kg)	Cobalt (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Molybdenum (mg/kg)	Nickel (mg/kg)	Vanadium (mg/kg)	Zinc (mg/kg)
NM03-B1	Tamarack Ave.	0.5	0.2	--	--	--	--	--	--	3.1	--	--	--	--
NM03-B1		16.5	5.0	ND	ND	150	19	10	18	11	ND	11	34	70
NM03-B1		21.5	6.6	ND	ND	32	7.4	2.5	4.0	3.6	ND	3.6	17	18
NM03-B1		25.5	7.8	ND	ND	160	6.1	1.9	4.5	1.9	ND	2.4	14	14
NM03-B2	Mission Ave.	1.5	0.5	--	--	--	--	--	--	25	--	--	--	--
NM03-B2		6.5	2.0	--	--	--	--	--	--	--	--	--	--	--
NM03-B2		11.0	3.4	--	--	--	--	--	--	--	--	--	--	--
NM03-B2		15.0	4.6	--	--	--	--	--	--	--	--	--	--	--
NM03-B3	Tamarack Ave.	1.0	0.3	--	--	--	--	--	--	21	--	--	--	--
NM03-B3		11.0	3.4	ND	ND	30	5.5	2.7	2.2	1.1	ND	2.5	12	8.5
NM03-B3		15.5	4.7	ND	ND	23	5.5	1.7	3.1	1.5	ND	31	6.7	11
NM03-B3		21.0	6.4	ND	ND	52	6.3	3.9	3.9	6.2	ND	7.1	11	14
NM03-B4	Oceanside Blvd.	1.0	0.3	--	--	--	--	--	--	19	--	--	--	--
NM03-B4		5.0	1.5	--	--	--	--	--	--	--	--	--	--	--
NM03-B4		11.0	3.4	--	--	--	--	--	--	--	--	--	--	--
NM03-B4		15.0	4.7	--	--	--	--	--	--	--	--	--	--	--
NM03-B5	Palomar Airport Rd.	1.5	0.5	--	--	--	--	--	--	3.2	--	--	--	--
NM03-B5		6.0	1.8	--	--	--	--	--	--	--	--	--	--	--
NM03-B5		11.0	3.4	--	--	--	--	--	--	--	--	--	--	--
NM03-B5		16.0	4.9	--	--	--	--	--	--	--	--	--	--	--
NM03-B6	Oceanside Blvd.	1.0	0.3	--	--	--	--	--	--	--	--	--	--	--
NM03-B6		6.0	1.8	--	--	--	--	--	--	--	--	--	--	--
NM03-B6		11.0	3.4	--	--	--	--	--	--	--	--	--	--	--
NM03-B7	Palomar Airport Rd.	1.0	0.3	--	--	--	--	--	--	6.4	--	--	--	--
NM03-B7		30.0	9.1	--	--	--	--	--	--	--	--	--	--	--
NM03-B7		35.0	10.7	--	--	--	--	--	--	--	--	--	--	--
NM03-B7		41.0	12.5	--	--	--	--	--	--	--	--	--	--	--
NM03-B8	Carlsbad Village Dr.	1.0	0.3	--	--	--	--	--	--	3.2	--	--	--	--
NM03-B8		5.5	1.7	2.3	1.6	21	14	3.4	2.9	2.0	ND	4.7	42	8.8
NM03-B8		10.5	3.2	2.2	1.5	21	15	2.9	2.5	2.0	ND	6.0	21	14
NM03-B8		12.0	3.7	2.5	1.2	23	18	2..3	2.1	2.1	ND	6.0	19	12
NM03-B9	Mission Ave.	1.0	0.3	--	--	--	--	--	--	5.6	--	--	--	--
NM03-B9		5.0	1.5	--	--	--	--	--	--	--	--	--	--	--
NM03-B9		10.0	3.0	--	--	--	--	--	--	--	--	--	--	--
NM03-B9		15.0	4.6	--	--	--	--	--	--	--	--	--	--	--
NM03-B10	Brooks St.	5.0	1.5	ND	ND	84	39	24	40	58	--	24	43	180
NM03-B10		10.0	3.2	ND	ND	31	46	13	30	2.4	ND	38	38	25
NM03-B10		15.0	3.7	ND	ND	20	38	11	32	4.6	ND	33	32	40
NM03-B10		20.0	6.2	ND	ND	30	47	12	31	9.5	1.2	34	33	72
NM03-B10		25.0	7.5	ND	ND	11	40	12	29	1	ND	30	31	25
NM03-B10		30.0	7.5	ND	ND	13	40	12	33	1.9	ND	30	32	41

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Table 9 - Summary of Hollow-Stem Auger Boring Soil Sample Analytical Results - Detected Title 22 Metals

Sample ID	Interchange	Sample Depth (feet)	Sample Depth (meters)	Antimony (mg/kg)	Arsenic (mg/kg)	Barium (mg/kg)	Chromium (mg/kg)	Cobalt (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Molybdenum (mg/kg)	Nickel (mg/kg)	Vanadium (mg/kg)	Zinc (mg/kg)
NM03-B11	Brooks St.	5.0	1.5	ND	ND	42	**54**	14	28	2.3	ND	25	47	19
NM03-B11		10.0	3.2	ND	ND	29	37	13	26	1.5	ND	21	44	24
NM03-B11		15.0	3.7	ND	ND	13	40	12	31	ND	ND	25	35	20
NM03-B11		20.0	6.2	ND	ND	13	50	13	30	ND	ND	25	36	21

Notes:
mg/kg = Milligrams per kilogram
– = Not analyzed
ND = Not detected at or above the reporting limit
Bold indicates oncentration exceeds leachability testing threshold of 50 mg/kg.

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Table 10 - Summary of Hollow-Stem Auger Boring Groundwater Sample Analytical Results - TPH, VOCs, SVOCs, and PCBs

Sample ID	Interchange	TPH-gasoline (mg/ℓ)	TPH-diesel (mg/ℓ)	Detected VOCs (µg/ℓ)										SVOCs (µg/ℓ)	PCBs (µg/ℓ)
				cis 1,2-DCE	1,2,4-TMB	1,3,5-TMB	Benzene	Ethylbenzene	n-Propylbenzene	Naphthalene	PCE	TCE	Total Xylenes		
NM03-B1-GW	Tamarack Ave.	4.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
NM03-B2-GW	Mission Ave.	Groundwater not encountered													
NM03-B3-GW	Tamarack Ave.	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
NM03-B4-GW	Oceanside Blvd.	ND	ND	16	ND	ND	ND	ND	ND	ND	31	78	ND	ND	--
NM03-B5-GW	Palomar Airport Rd.	0.20	ND	ND	ND	ND	ND	ND	7.5	ND	ND	ND	ND	ND	--
NM03-B6-GW	Oceanside Blvd.	ND	0.29	5.9	ND	ND	ND	ND	ND	ND	7.7	18	ND	ND	--
NM03-B7-GW	Palomar Airport Rd.	0.64	0.52	ND	25	18	13	18	5.3	10	ND	ND	106	ND	--
NM03-B8-GW	Carlsbad Village	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NM03-B9-GW	Mission Ave.	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
NM03-B10-GW	Brooks St.	Groundwater not encountered													
NM03-B11-GW	Brooks St.	Groundwater not encountered													

Notes:
µg/ℓ = Micrograms per liter
mg/ℓ = Milligrams per liter
-- = Not analyzed
DCE = Dichloroethene
ND = Not detected at or above the reporting limit
PCBs = Polychlorinated biphenyls
PCE = Tetrachloroethene
SVOCs = Semi-volatile organic compounds
TCE = Trichloroethene
TMB = Trimethylbenzene
TPH = Total petroleum hydrocarbons
VOCs = Volatile organic compounds

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Table 11 - Summary of Hollow-Stem Auger Boring Groundwater Sample Analytical Results - Detected Metals

Sample ID	Interchange	Arsenic (mg/ℓ)	Barium (mg/ℓ)	Beryllium (mg/ℓ)	Cadmium (mg/l)	Chromium (mg/ℓ)	Cobalt (mg/ℓ)	Copper (mg/ℓ)	Lead (mg/ℓ)	Mercury (mg/ℓ)	Molybdenum (mg/ℓ)	Nickel (mg/ℓ)	Selenium (mg/ℓ)	Vanadium (mg/ℓ)	Zinc (mg/ℓ)
NM03-B1-GW	Tamarack Ave.	ND	7.7	ND	0.0045	0.6	0.12	0.11	0.063	ND	0.012	0.14	ND	0.40	0.39
NM03-B2-GW	Mission Ave.	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NM03-B3-GW	Tamarack Ave.	ND	1.3	ND	ND	0.2	0.069	0.089	0.063	0.23	ND	0.089	0.021	0.38	0.42
NM03-B4-GW	Oceanside Blvd.	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NM03-B5-GW	Palomar Airport Rd.	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NM03-B6-GW	Oceanside Blvd.	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NM03-B7-GW	Palomar Airport Rd.	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NM03-B8-GW	Carlsbad Village	ND	0.21	0.017	ND	0.058	0.072	ND	ND	0.23	ND	0.080	0.080	0.043	ND
NM03-B9-GW	Mission Ave.	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NM03-B10-GW	Brooks St.	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NM03-B11-GW	Brooks St.	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:
mg/ℓ = Milligrams per liter
-- = Not analyzed
ND = Not detected at or above the reporting limit

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Table 12 - Palomar Airport Road Groundwater Sample Analytical Results - TPH and Detected VOCs

Well ID	Date Sampled	TPH-g (mg/ℓ)	TPH-d (mg/ℓ)	Benzene (µg/ℓ)	Toluene (µg/ℓ)	Ethyl-benzene (µg/ℓ)	Total Xylenes (µg/ℓ)	MTBE (µg/ℓ)	Isopropyl-benzene (µg/ℓ)	Naphtha-lene (µg/ℓ)	n-Butyl-benzene (µg/ℓ)	n-Propyl-benzene (µg/ℓ)	sec-Butyl-benzene (µg/ℓ)	1,2,4-TMB (µg/ℓ)	1,3,5-TMB (µg/ℓ)
MW-14	3/30/2006	42	3.1	19000	140	1000	2058	2300	74	230	ND	140	ND	290	100
MW-15	3/31/2006	ND	ND	ND	ND	ND	ND	56	ND	ND	ND	ND	ND	ND	ND
MW-16	3/30/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-17	3/30/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-18	3/30/2006	2.8	9.1	27	ND	82	ND	1200	48	58	7.0	84	9.8	40	ND
MW-21	4/3/2006	21	4.7	13000	ND	36	ND	750	29	62	6.2	47	5.8	6.1	ND
MW-22	3/30/2006	1.2	1.2	96	ND	ND	ND	1100	ND	6.8	ND	ND	ND	ND	ND
MW-23	4/3/2006	28	3.1	17000	14	34	ND	990	41	180	ND	70	ND	29	ND
MW-24	3/31/2006	3.0	1.4	1100	ND	ND	ND	1300	ND	36	ND	6.5	ND	ND	ND
MW-25	3/31/2006	0.53	0.22	57	ND	ND	ND	150	5.8	ND	ND	13	ND	ND	ND
MW-26	4/3/2006	ND	0.23	ND	ND	ND	ND	6.5	ND	ND	ND	ND	ND	ND	ND
MW-X	4/3/2006	ND	1.7	80	77	22	31	380	14	5.1	ND	25	5.6	8.5	ND

Notes:
µg/ℓ = micrograms per liter
mg/ℓ = milligrams per liter
MTBE = Methyl tert butyl ether
ND = Not detected at or above the reporting limit
TPH-g = Total Petroleum Hydrocarbons-Gasoline
TPH-d = Total Petroleum Hydrocarbons- Diesel
TMB = Trimethylbenzene
VOCs = Volatile organic compounds

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Table 13- Palomar Airport Road Groundwater Elevation Measurements

Well ID	Date Measured	Top of Casing Elevation (meters MSL)	Top of Casing Elevation (feet MSL)	Depth to Ground Water (meters below TOC)	Depth to Ground Water (feet below TOC)	Groundwater Elevation (meters MSL)	Groundwater Elevation (feet MSL)
MW-13	3/27/2006	22.41	73.52	8.82	28.94	13.59	44.58
MW-14	3/27/2006	23.09	75.74	9.46	31.02	13.63	44.72
MW-15	3/27/2006	21.90	71.84	8.48	27.80	13.43	44.04
MW-16	3/27/2006	19.48	63.91	5.90	19.35	13.59	44.56
MW-17	3/27/2006	16.37	53.69	3.13	10.28	13.23	43.41
MW-18	3/27/2006	16.03	52.59	3.19	10.45	12.85	42.14
MW-19	3/27/2006	15.73	51.60	DRY	DRY	--	--
MW-20	3/27/2006	15.52	50.90	DRY	DRY	--	--
MW-21	3/27/2006	15.61	51.19	3.57	11.71	12.04	39.48
MW-22	3/27/2006	NA	NA	9.69	9.69	NA	NA
MW-23	3/27/2006	NA	NA	9.43	9.43	NA	NA
MW-24	3/27/2006	NA	NA	9.91	9.91	NA	NA
MW-25	3/27/2006	NA	NA	15.27	15.27	NA	NA
MW-26	3/27/2006	NA	NA	12.59	12.59	NA	NA
MW-27	3/27/2006	NA	NA	N/A	N/A	NA	NA

Notes:

-- = Not applicable

MSL = Mean sea level

NA = Not available

TOC = Top of casing

Table 14 - Summary of Hand Auger Boring Quality Control Sample Analytical Results

Sample ID	Sample Date	Total Lead (mg/ℓ)	Organochlorinated Pesticides (µg/ℓ)	Organophosphorous Pesticides (µg/ℓ)	Herbicides (µg/ℓ)
EQUIP-HA-030706	3/7/2006	ND	ND	ND	ND
EQUIP-HA-030806	3/8/2006	ND	--	--	--
EQUIP-HA-030906	3/9/2006	ND	--	--	--
EQUIP-HA-31006	3/10/2006	ND	ND	ND	ND
EQUIP-HA-031306	3/13/2006	ND	ND	ND	ND
EQUIP-HA-031406	3/14/2006	ND	ND	ND	ND
EQUIP-HA-031506	3/15/2006	ND	--	--	--
EQUIP-HA-031606	3/16/2006	ND	--	--	--
EQUIP-HA-031706	3/17/2006	ND	ND	ND	ND
EQUIP-HA-032006	3/20/2006	ND	ND	ND	ND
EQUIP-HA-032206	3/22/2006	ND	--	--	--
EQUIP-HA-032306	3/23/2006	ND	--	--	--
EQUIP-HA-032406	3/24/2006	ND	--	--	--
EQUIP-HA-032706	3/27/2006	ND	--	--	--
EQUIP-HA-033006	3/30/2006	ND	--	--	--
EQUIP-HA-033106	3/31/2006	ND	--	--	--
EQUIP-HA-040306	4/3/2006	ND	--	--	--
EQUIP-HA-040406	4/4/2006	ND	--	--	--
EQUIP-HA-040606	4/6/2006	ND	--	--	--
EQUIP-HA-040706	4/7/2006	ND	--	--	--
EQUIP-HA-051506	5/15/2006	ND	--	--	--
HA-Equip-01	8/3/2006	--	ND	ND	ND
HA-Equip-02	8/3/2006	--	ND	ND	ND
HA-Equip-03	8/3/2006	--	ND	ND	ND
EQUIP-HA01-080406	8/4/2006	--	ND	ND	ND
EQUIP-HA02-080406	8/4/2006	--	ND	ND	ND
EQUIP-HA03-080406	8/4/2006	--	ND	ND	ND
EQUIP-HA01-082406	8/24/2006	--	ND	ND	ND
EQUIP-HA02-082406	8/24/2006	--	ND	ND	ND
EQUIP-HA03-082406	8/24/2006	--	ND	ND	ND

Notes:

-- = Not analyzed

mg/ℓ = Milligrams per liter

µg/ℓ = Micrograms per liter

ND = Not detected at or above the reporting limit

Table 15 - Summary of Hollow-Stem Auger Boring Quality Control Sample Analytical Results - TPH, VOCs, SVOCs, Title 22 Metals, and PCBs

Sample ID	TPH-gasoline (mg/ℓ)	TPH-diesel (mg/ℓ)	VOCs (µg/ℓ)	SVOCs (µg/ℓ)	Title 22 metals (mg/ℓ)	PCBs (µg/ℓ)
NM03-B1-EQUIP	ND	ND	ND	ND	ND	--
NM03-B2-EQUIP	ND	ND	ND	ND	--	--
NM03-B3-EQUIP	ND	ND	ND	ND	ND	--
NM03-B4-EQUIP	ND	ND	ND	ND	--	--
NM03-B5-EQUIP	ND	ND	ND	ND	--	--
NM03-B6-EQUIP	ND	ND	ND	ND	--	--
NM03-B7-EQUIP	ND	ND	ND	ND	--	--
NM03-B8-EQUIP	ND	ND	ND	ND	ND	ND
NM03-B9-EQUIP	ND	ND	ND	ND	--	--
NM03-B10-EQUIP	ND	ND	ND	ND	ND	ND
NM03-B1-TRIP	--	--	ND	--	--	--
NM03-B2-TRIP	--	--	ND	--	--	--
NM03-B3-TRIP	--	--	ND	--	--	--
NM03-B4-TRIP	--	--	ND	--	--	--
NM03-B5-TRIP	--	--	ND	--	--	--
NM03-B6-TRIP	--	--	ND	--	--	--
NM03-B7-TRIP	--	--	ND	--	--	--
NM03-B8-TRIP	--	--	ND	--	--	--
NM03-B9-TRIP	--	--	ND	--	--	--
NM03-B10-TRIP	--	--	ND	--	--	--

Notes:
µg/ℓ = Micrograms per liter
mg/ℓ = Milligrams per liter
-- = Not analyzed
ND = Not detected at or above the reporting limit
PCBs = Polychlorinated biphenyls
SVOCs = Semi-volatile organic compounds
TPH = Total petroleum hydrocarbons
VOCs = Volatile organic compounds

Table 16 - Palomar Airport Road Quality Control Sample Analytical Results - TPH and Detected VOCs

Sample ID	Date Sampled	TPH-gasoline (mg/ℓ)	TPH-diesel (mg/ℓ)	VOCs (µg/ℓ)
Equip-01	3/30/2006	ND	ND	ND
Equip-02	3/31/2006	ND	ND	ND
Equip-03	4/3/2006	ND	ND	ND
Trip-01	3/30/2006	--	--	ND
Trip-02	3/31/2006	--	--	ND
Trip-03	4/3/2006	--	--	ND

Notes:

-- = Not analyzed
µg/ℓ = micrograms per liter
ND = Not detected at or above the reporting limit
VOCs = Volatile organic compounds

Table 17 - Summary of Phase II Environmental Site Assessment Activities

Scope of Work	Results (reference tables)	Conclusions	Recommendation
Hand Auger in Right-of-Way	Total lead ranged from 1.0 to 410 mg/kg in 280 of 289 soil samples collected (Table 4)	Soil as a whole meets reuse criteria under the DTSC Variance for reuse of lead impacted soil.	**Soil may be reused along the I-5 Corridor during widening. Mixing of soil with other areas not assessed or with different conclusions should be evaluated by the Department. Soil should be characterized for waste disposal criteria if disposed of off site**
	UC 80% of mean was 25.85 mg/kg (Table 5)		
	31 samples equaled or exceeded 50 mg/kg (Table 4)		
	21 of 31 samples exceeded 5 mg/l by WET (Table 4)		
	10 of 31 samples exceeded 0.5 mg/l by WET-DI (Table 4)		
	none of 31 samples exceeded 5 mg/l by TCLP (Table 4)		
	pH ranged from 4.5 to 8.9 (Table 4)		
Hand Auger on Private Properties	Lead exceeded 50 mg/kg in one sample at the Olympus Street Landfill. (Table 6)	Soil would be considered a waste if exported.	**If soil is exported as a waste it should be characterized according to the requirements of the receiving facility**
	Herbicides and organophosphorous pesticides were not detected above the reporting limits. (Table 7)		
	Several chlorinated pesticides were detected but below California hazardous waste criteria (TTLC) with the exception of toxaphene in one sample and DDD/DDE/DDT in three samples. (Table 7)		
Hollow-Stem Auger Borings Soil	Concentrations of TPH, VOCs, and SVOCs were detected in soil samples collected from borings at the Palomar Airport Road, Carlsbad Village Drive, Mission Avenue interchanges, and along Brooks Street. (Table 8)	Methylene chloride and BEHP detected in samples at Brooks Street are likely laboratory contaminants. TPH and benzene detected are likely due to known releases at Carlsbad Village Drive and Palomar Airport Road.	**Soil in the vicinity of Brooks Street and the interchanges of Palomar Airport Road, Carlsbad Village Drive, and Mission Avenue should be evaluated for petroleum constituents and/or metals prior to on-site reuse or disposal off site as a waste.**
	Chromium and lead were detected in soil samples collected from borings completed at Brooks Street at concentrations that indicate that they could leach above hazardous waste criteria. Chromium did not leach above hazardous waste criteria; lead could not be analyzed due to inadequate sample volume. (Table 9)		

Table 17 - Summary of Phase II Environmental Site Assessment Activities

Scope of Work	Results (reference tables)	Conclusions	Recommendation
Hollow-Stem Auger Borings Groundwater	Concentrations of TPH and VOCs were detected in groundwater samples collected from borings at the Oceanside Boulevard and Palomar Airport Road interchanges. (Table 10)	TPH and VOCs detected are likely due to releases at Oceanside Boulevard and Palomar Airport Road.	**Dewatering plans should include provisions to treat contaminated groundwater at the Oceanside Boulevard and Palomar Airport Road interchanges.**
	Concentrations of SVOCs and PCBs were not detected above reporting limits. (Table 10)		
	Concentrations of Title 22 metals were detected, but below numeric criteria that would classify the water as hazardous. (Table 11)		
Groundwater at Palomar Airport Road	Concentrations of petroleum hydrocarbons and associated VOCs were detected in all but two wells sampled (MW-16 and MW-17). Free product was detected in MW-13. (Table 12)	Groundwater will likely require treatment prior to discharge if dewatering is required at these interchanges	**Dewatering plans should include provisions to treat contaminated groundwater and potentially free product at the Palomar Airport Road interchange.**
	Depth to groundwater ranged from 12.04 to 13.63 meters (39.48 to 44.72 feet MSL. (Table 13)		
General	Quality control samples did not contain contaminants above reporting limits. (Tables 14, 15, and 16)	Groundwater and soil along the alignment has been found to contain elevated levels of TPH, VOCs, SVOCs, organophosphorous pesticides, and Title 22 metals above regulatory and/or waste disposal criteria.	**Groundwater dewatering required along the alignment should be evaluated prior to discharge to the sanitary sewer or storm sewer under the appropriate permit.**
			Due to the presence of impacted soils, construction activities should be performed in accordance with a site-specific health and safety plan and a soil management plan

Notes:

µg/ℓ = micrograms per liter
mg/ℓ = milligrams per liter
mg/kg = milligrams per kilogram
BEHP = Bis-2 (ethylhexyl) phthalate
DTSC = Department of Toxic Substances Control
MSL = Mean sea level
MTBE = Methyl tert butyl ether
PCBs = Polychlorinated biphenyls
SVOCs = Semi-volatile organic compounds
TCLP = Toxicity characteristic leaching procedure
TPH = Total petroleum hydrocarbons
TTLC = Total threshold limit concentration
VOCs = Volatile organic compounds
WET = Waste extraction test

SOURCE:SANGIS

Legend

Approximate location of soil borings

Extent of right-of-way assessed

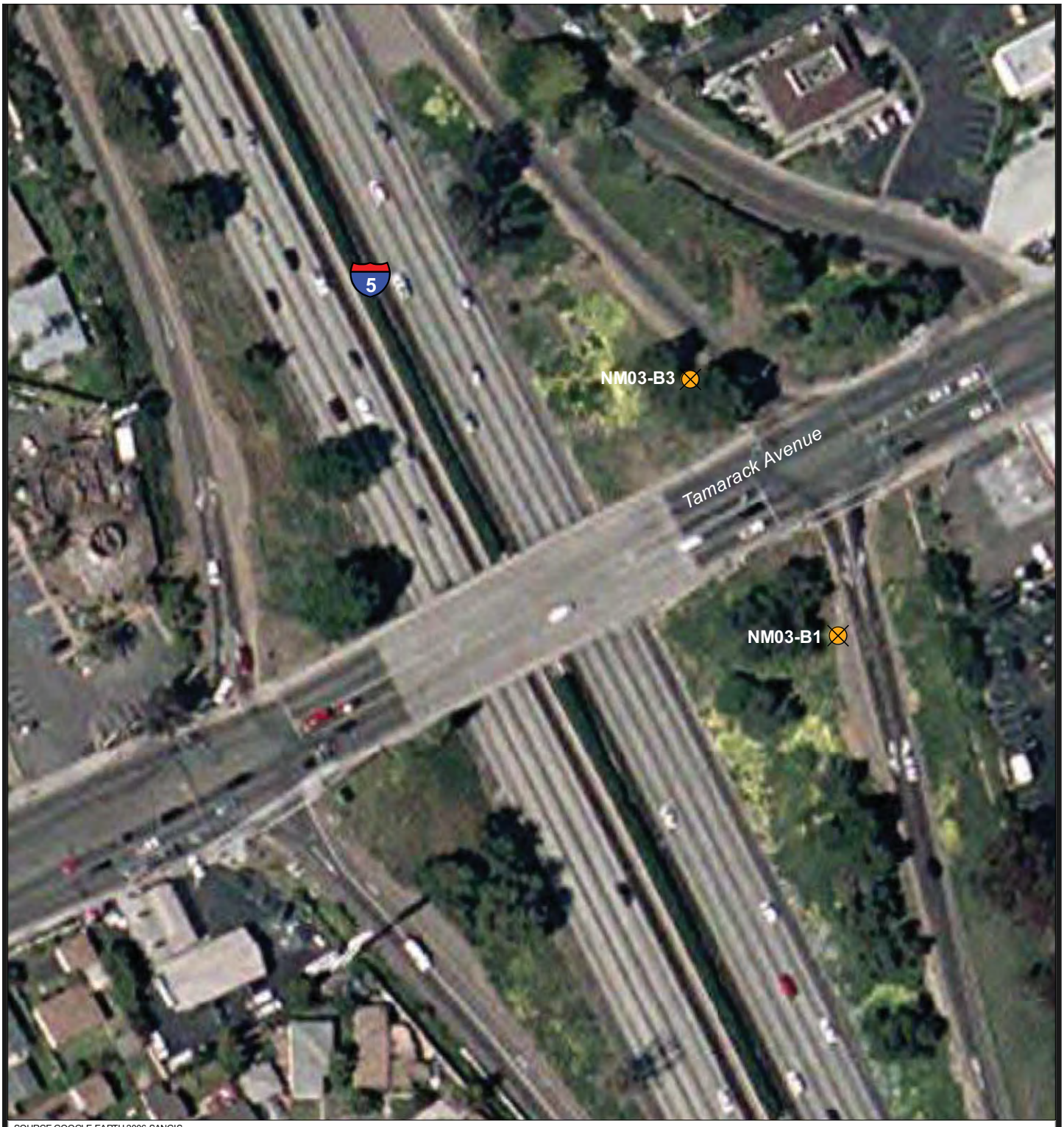
NOTE: ALL DIMENSIONS, DIRECTIONS, AND LOCATIONS ARE APPROXIMATE

Feet: 0 4,375 8,750 17,500

Meters: 0 1,350 2,700 5,400

N

Ninyo & Moore	SITE LOCATION MAP	FIGURE
PROJECT NO. / DATE	I-5 EXPANSION SAN DIEGO COUNTY, CALIFORNIA	1
105812001 / 10/06		



SOURCE.GOOGLE EARTH 2006.SANGIS

Legend

Approximate boring location (Ninyo & Moore 2006)

Feet: 0 50 100 200

Meters: 0 15 30 60

N

NOTE: ALL DIMENSIONS, DIRECTIONS, AND LOCATIONS ARE APPROXIMATE.

Ninyo & Moore		BORING LOCATION MAP TAMARACK AVENUE	FIGURE
PROJECT NO.	DATE	I-5 EXPANSION SAN DIEGO COUNTY, CALIFORNIA	2
105812001	10/06		

SOURCE:GOOGLE EARTH 2006.SANGIS

Legend

Approximate boring location (Ninyo & Moore 2006)

Feet: 0 130 260 520

Meters: 0 40 80 160

N

NOTE: ALL DIMENSIONS, DIRECTIONS, AND LOCATIONS ARE APPROXIMATE.

Ninyo & Moore		BORING LOCATION MAP BROOKS STREET & MISSION AVENUE	FIGURE
PROJECT NO.	DATE	I-5 EXPANSION SAN DIEGO COUNTY, CALIFORNIA	3
105812001	10/06		

SOURCE.GOOGLE EARTH 2006.SANGIS

Legend

Approximate boring location (Ninyo & Moore 2006)

Feet: 0 65 130 260

Meters: 0 20 40 80

N

NOTE: ALL DIMENSIONS, DIRECTIONS, AND LOCATIONS ARE APPROXIMATE.

Ninyo & Moore		BORING LOCATION MAP OCEANSIDE BLVD	FIGURE
PROJECT NO.	DATE	I-5 EXPANSION SAN DIEGO COUNTY, CALIFORNIA	4
105812001	10/06		

SOURCE.GOOGLE EARTH 2006.SANGIS

Legend

Approximate boring location (Ninyo & Moore 2006)

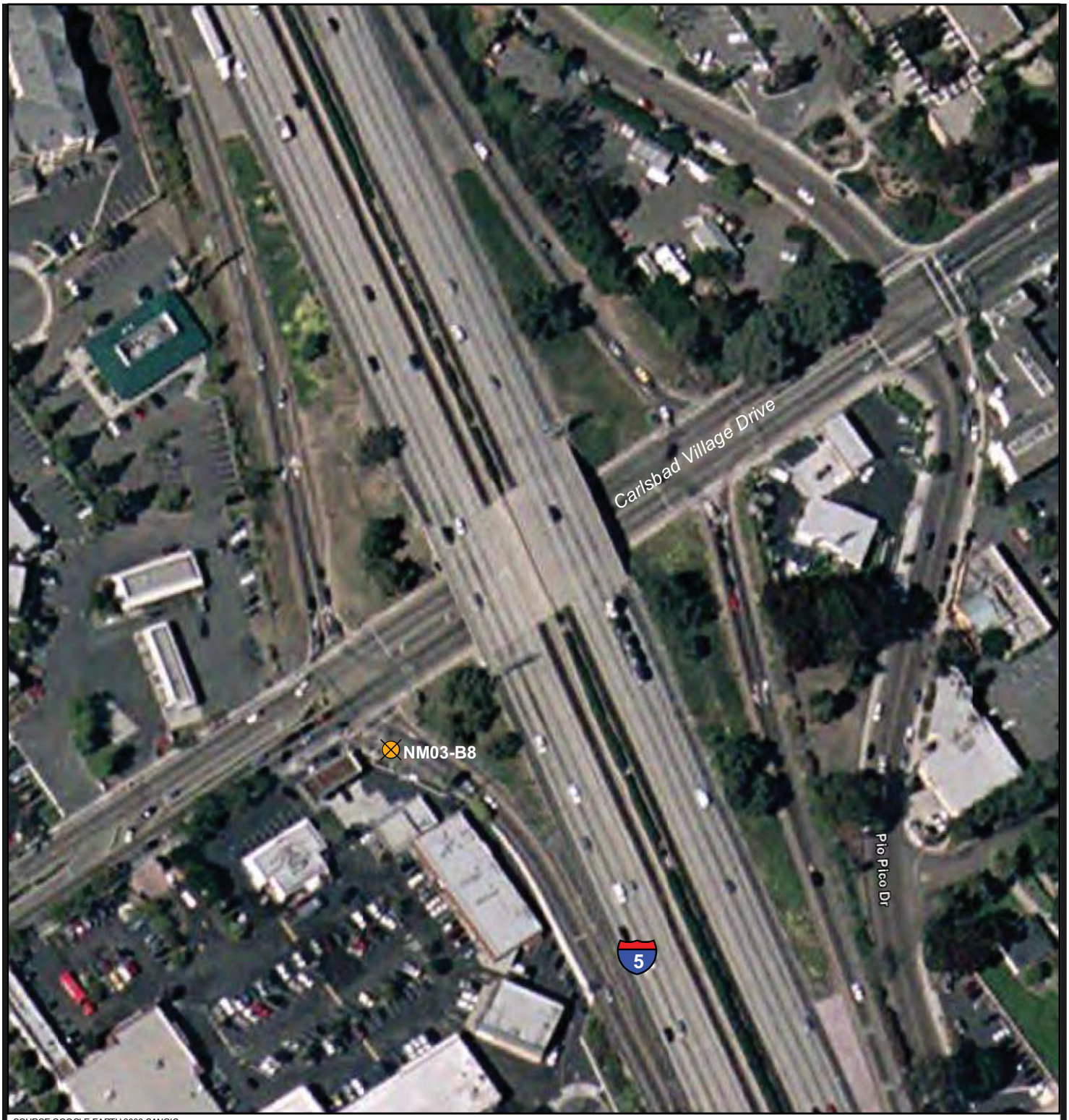
Feet: 0 65 130 260

Meters: 0 20 40 80

N

NOTE: ALL DIMENSIONS, DIRECTIONS, AND LOCATIONS ARE APPROXIMATE.

Ninyo & Moore		BORING LOCATION MAP PALOMAR AIRPORT ROAD	FIGURE
PROJECT NO.	DATE	I-5 EXPANSION SAN DIEGO COUNTY, CALIFORNIA	5
105812001	10/06		



SOURCE.GOOGLE EARTH 2006.SANGIS

Legend

Approximate boring location (Ninyo & Moore 2006)

Feet: 0 65 130 260

Meters: 0 20 40 80

N

NOTE: ALL DIMENSIONS, DIRECTIONS, AND LOCATIONS ARE APPROXIMATE.

Ninyo & Moore		BORING LOCATION MAP CARLSBAD VILLAGE DRIVE	FIGURE
PROJECT NO.	DATE	I-5 EXPANSION SAN DIEGO COUNTY, CALIFORNIA	6
105812001	10/06		

SOURCE.GOOGLE EARTH 2006.SANGIS

Legend

Approximate hand auger location (Ninyo & Moore 2006)

Feet: 0 130 260 520

Meters: 0 40 80 160

N

NOTE: ALL DIMENSIONS, DIRECTIONS, AND LOCATIONS ARE APPROXIMATE.

Ninyo & Moore	HAND AUGER BORING LOCATIONS APNs: 260-181-64,68,69,92	FIGURE
PROJECT NO. / DATE	I-5 EXPANSION SAN DIEGO COUNTY, CALIFORNIA	7
105812001 / 10/06		

SOURCE.GOOGLE EARTH 2006.SANGIS

Legend

Approximate hand auger location (Ninyo & Moore 2006)

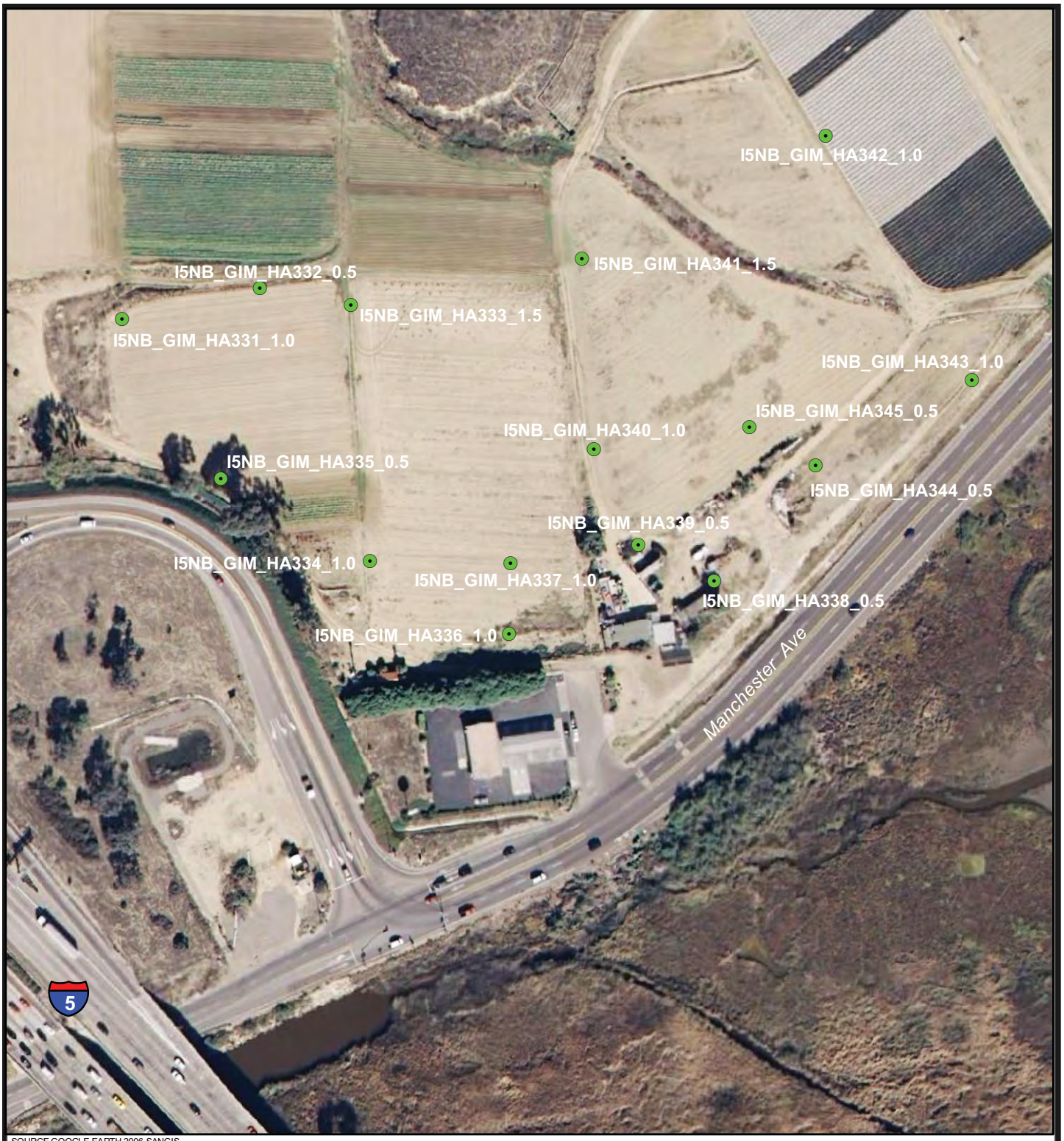
Feet: 0 100 200 400

Meters: 0 15 30 60

N

NOTE: ALL DIMENSIONS, DIRECTIONS, AND LOCATIONS ARE APPROXIMATE.

Ninyo & Moore		HAND AUGER BORING LOCATIONS APN: 211-010-24	FIGURE
PROJECT NO.	DATE	I-5 EXPANSION SAN DIEGO COUNTY, CALIFORNIA	8
105812001	10/06		



SOURCE.GOOGLE EARTH 2006.SANGIS

Legend

Approximate hand auger location (Ninyo & Moore 2006)

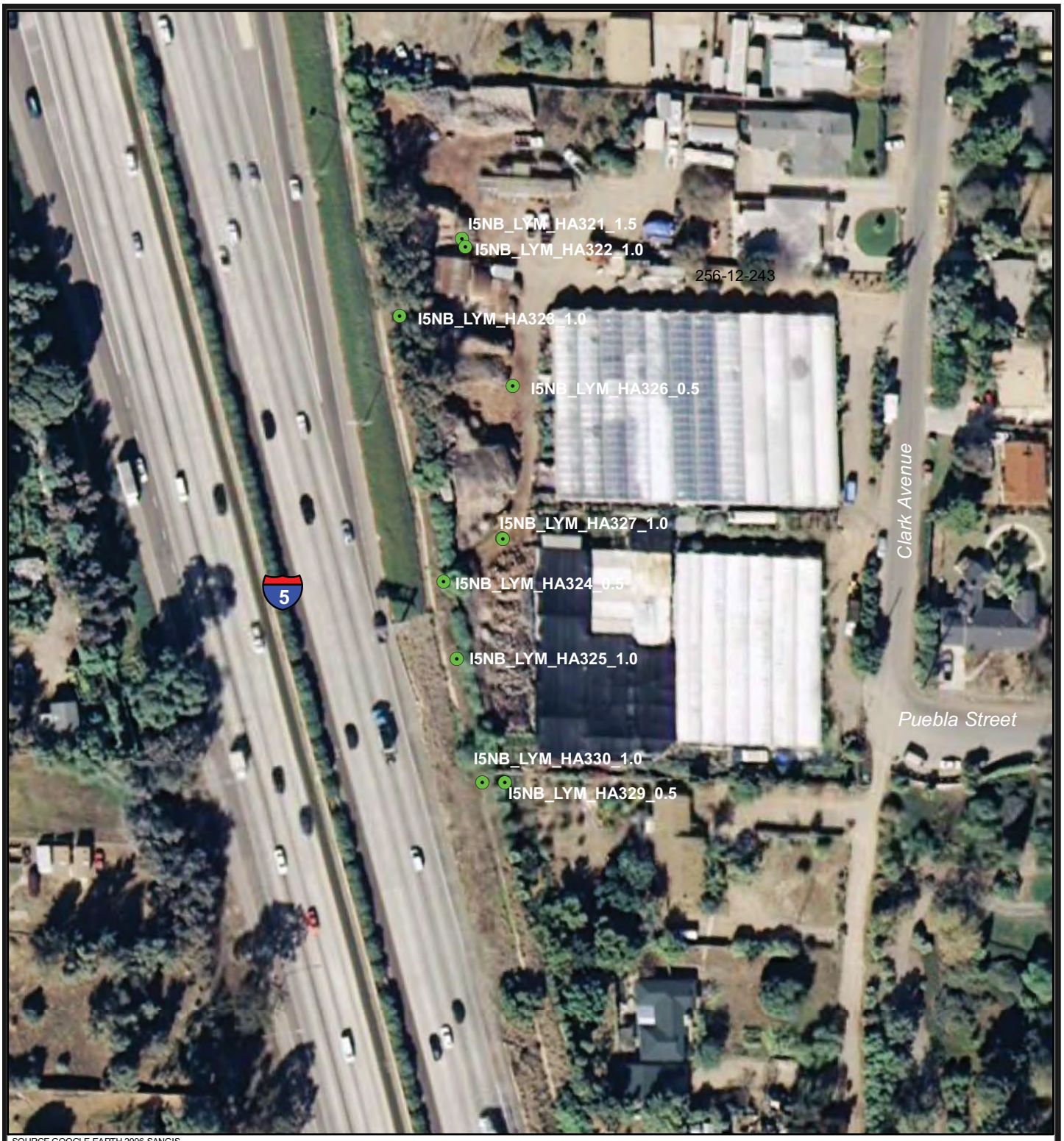
Feet: 0 80 160 320

Meters: 0 25 50 100

N

NOTE: ALL DIMENSIONS, DIRECTIONS, AND LOCATIONS ARE APPROXIMATE.

Ninyo & Moore		HAND AUGER BORING LOCATIONS APNs: 261-210-01,20	FIGURE
PROJECT NO.	DATE	I-5 EXPANSION SAN DIEGO COUNTY, CALIFORNIA	9
105812001	10/06		



SOURCE.GOOGLE EARTH 2006.SANGIS

Legend

Approximate hand auger location (Ninyo & Moore 2006)

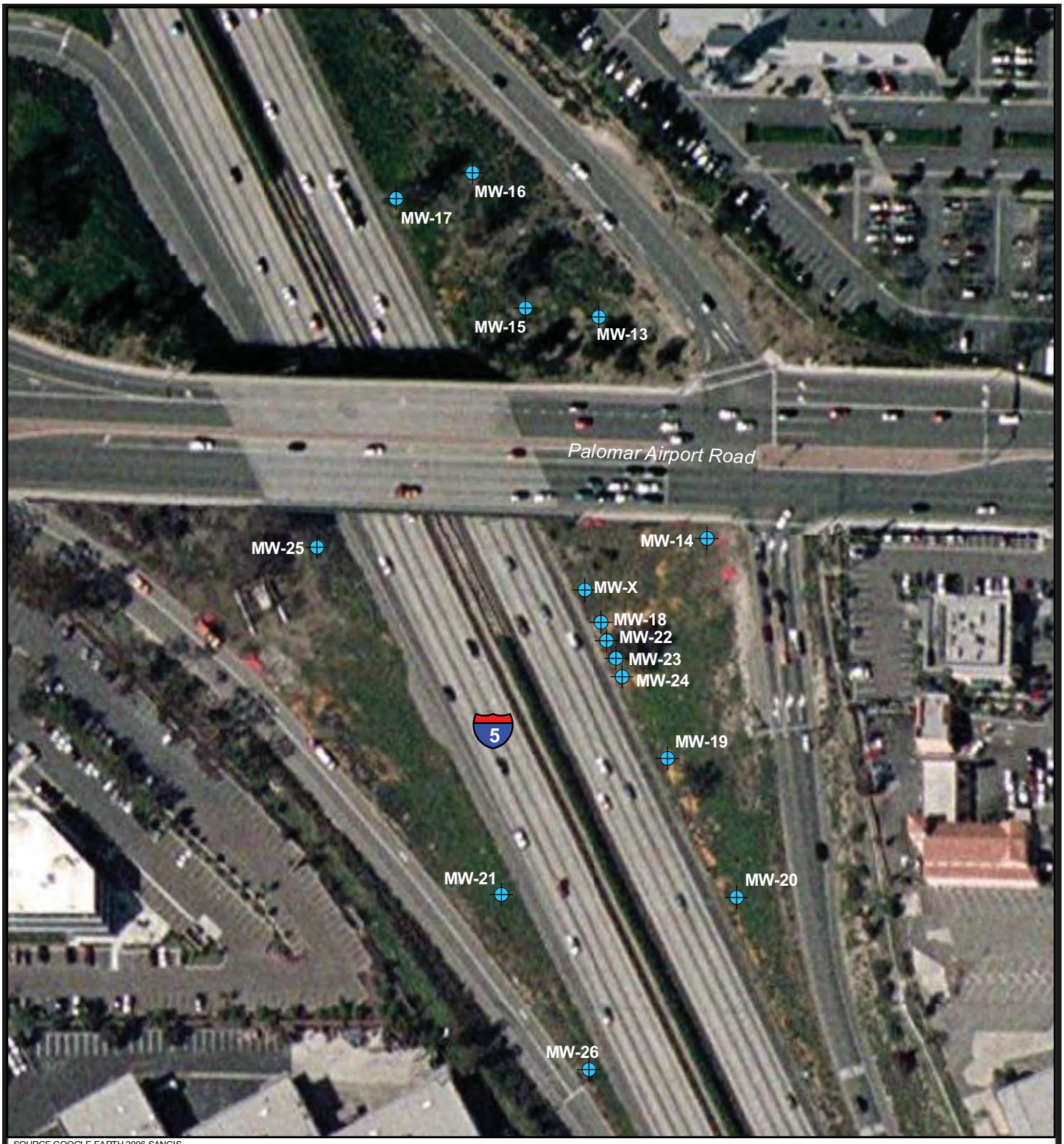
Feet: 0 50 100 200

Meters: 0 15 30 60

N

NOTE: ALL DIMENSIONS, DIRECTIONS, AND LOCATIONS ARE APPROXIMATE.

Ninyo & Moore		HAND AUGER BORING LOCATIONS APNs: 256-122-46,48,49,53	FIGURE
PROJECT NO.	DATE	I-5 EXPANSION SAN DIEGO COUNTY, CALIFORNIA	10
105812001	10/06		



SOURCE.GOOGLE EARTH 2006.SANGIS

Legend

Approximate location of monitoring well (TRC, 1995)

Feet: 0 65 130 260

Meters: 0 20 40 80

N

NOTE: ALL DIMENSIONS, DIRECTIONS, AND LOCATIONS ARE APPROXIMATE.

Ninyo & Moore		MONITORING WELL LOCATION MAP PALOMAR AIRPORT ROAD	FIGURE
PROJECT NO.	DATE	I-5-EXPANSION SAN DIEGO COUNTY, CALIFORNIA	11
105812001	10/06		

LEGEND

Approximate location of monitoring well (TRC, 1995)

Estimated extent of groundwater plume (queried where uncertain)

N

Feet: 0 65 130 260

Meters: 0 20 40 80

Aerial photography provided by Google Earth 2006

Ninyo & Moore	ESTIMATED EXTENT OF GROUNDWATER PLUME	FIGURE
PROJECT NO. / DATE	PALOMAR AIRPORT ROAD CARLSBAD, CALIFORNIA	12
105812001 / 10/06		

APPENDIX A

60-DAY REPORT

October 23, 2006
Project No. 105812001

Permit Clerk
County of San Diego
Department of Environmental Health
Site Assessment and Mitigation Division
P.O. Box 129261
San Diego, California 92112-9261

Subject: 60-Day Boring Report
Caltrans Right-Of-Way
San Diego County, CA

Dear Permit Clerk:

Ninyo & Moore is submitting the attached documents in fulfillment of the conditions of boring permit numbers LMON103849 (sixteen borings) issued on March 22, 2006 (attached) for the following project:

Property Owner:	State of California, Department of Transportation
Site Address:	I-5 & Palomar Airport Road, I-5 & Tamarack Avenue, I-5 & Carlsbad Village Drive, I-5 & Oceanside Boulevard, I-5 & Mission Avenue
Property Representative:	Mr. Joel Kloth
Address:	4050 Taylor Street, MS-242 San Diego, CA 92110
Assessor's Parcel No.:	211-050-0100, 206-050-2000, 203-320-3100, 151-011-1000, 211-050-0100 (Closest parcels)

On April 6, 7, 11, 12, 13, 17, 19; May 4 and 11; and September 12, 2006, Ninyo & Moore drilled 11 soil borings at the site and collected environmental soil and groundwater samples for evaluation. Note that although 16 soil borings were permitted, only 11 soil borings were actually drilled. Soil cuttings and decontamination water generated were stored in five 55-gallon drums and subsequently transported by Ocean Blue Environmental to Crosby and Overton in Long Beach, California, for treatment. During

the site assessment, groundwater was encountered in all borings except B2, B10, and B11 and was measured at depths of ranging from 12 to 94 feet below ground surface (bgs).

Soil samples were collected at approximately 5-foot intervals, except B9 where bedrock was encountered at approximately 20 feet bgs. Select soil samples collected from each boring were analyzed for Total Petroleum Hydrocarbons as gasoline (TPH-g) and diesel (TPH-d) by United States Environmental Protection Agency (USEPA) test method 8015, volatile organic compounds (VOCs) and oxygenates by USEPA test method 8260B, semi-volatile organic compounds (SVOCs) by USEPA test method 8270C, Title 22 metals by USEPA methods 6010B/7471A, polychlorinated biphenyls (PCBs) by USEPA test method 8082, and/or pH by USEPA method 9045C.

The groundwater samples were analyzed for TPH-g and TPH-d, VOCs and oxygenates, SVOCs, PCBs, and/or Title 22 metals. Once the total drilling depth was achieved, or the boring could not be advanced due to refusal, and the groundwater sample was collected, if applicable, the borings were backfilled with bentonite grout to approximately 5 feet bgs, followed by placement of medium bentonite chips and hydrated with 5 gallons of potable water. The top 1 foot of each boring was filled with soil to approximate its original condition. The boreholes were backfilled with grout based on the total depth of each boring. The volumes of grout used ranged between 5.8 and 32 cubic feet; the boring abandonment summary presents the volume used for each boring.

The attached documents include a copy of the approved boring permit, boring logs, boring abandonment summary sheets, analytical data, a site location map, and a boring location map. If you have any questions regarding this report, please contact the undersigned.

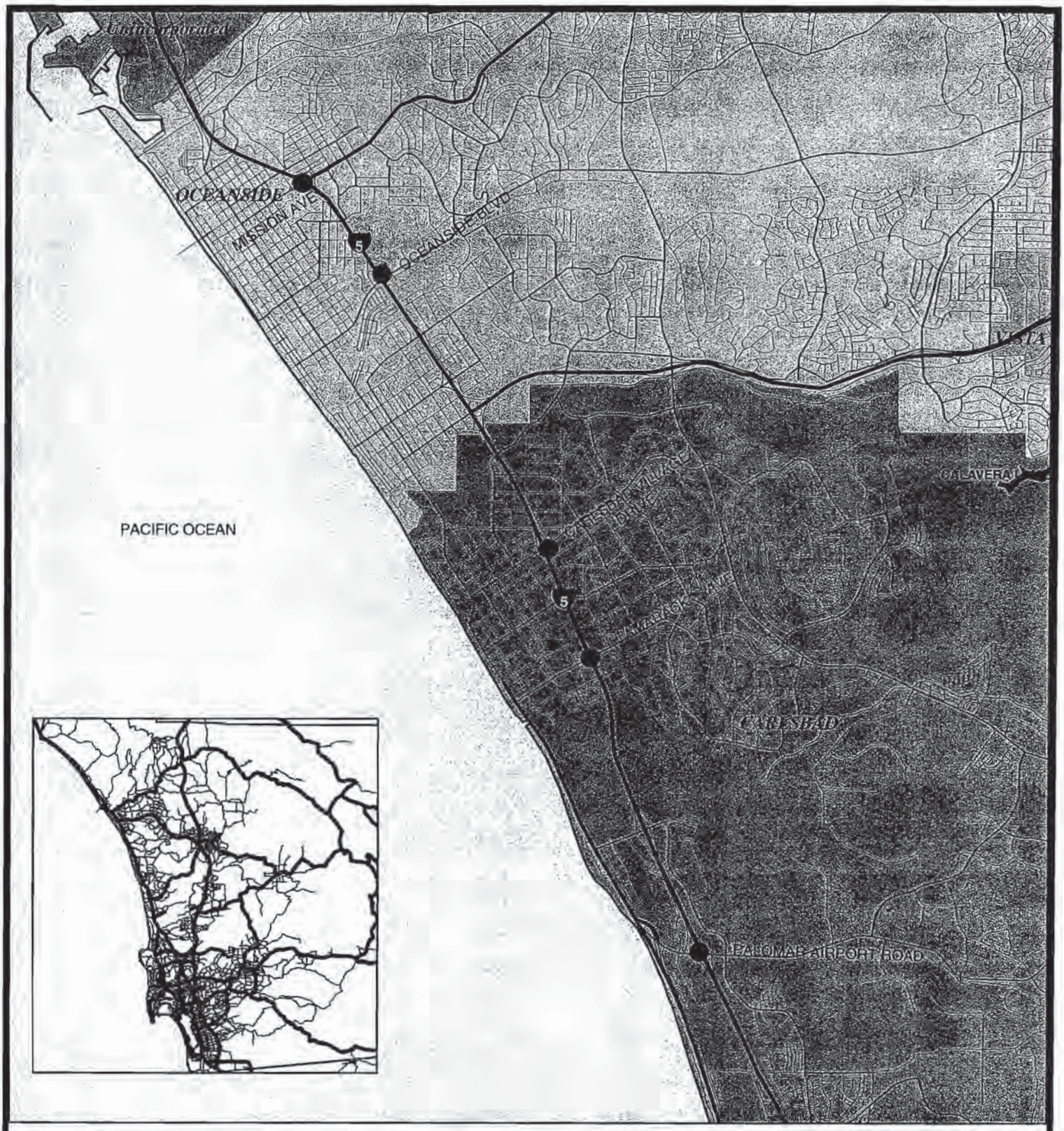
Respectfully submitted,
NINYO & MOORE

W. Scott Snyder, P.G., HG
Senior Hydrogeologist

WSS/

Distribution: (1) Addressee
(1) Joel Kloth, District 11, California Department of Transportation

Attachments: Attachment A – Site Location and Boring Location Maps
Attachment B – Approved Soil Boring Construction Permit
Attachment C – Boring Logs
Attachment D – Boring Abandonment Logs
Attachment E – Analytical Data



LEGEND

● Approximate location of soil borings

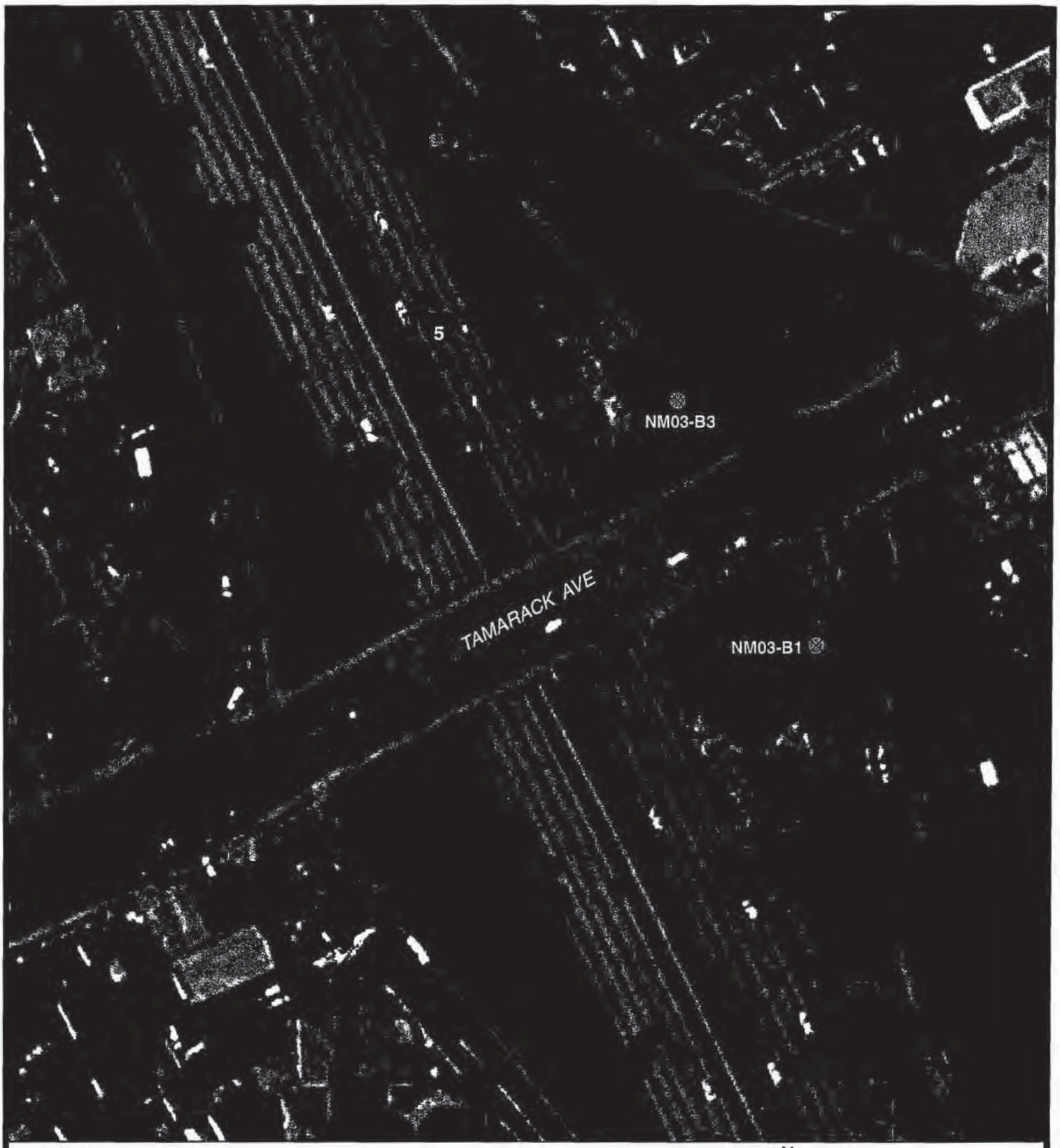
N

Feet: 0 2,450 4,900 9,800

Meters: 0 750 1,500 3,000

SANDAG GIS Shapefiles

Ninyo & Moore	SITE LOCATION MAP	FIGURE
PROJECT NO. 105812001 / DATE 10/06	I-5 EXPANSION SAN DIEGO COUNTY, CALIFORNIA	1



LEGEND

⊗ Approximate boring location (Ninyo & Moore 2006)

N

Feet: 0 50 100 200

Meters: 0 15 30 60

Aerial photography provided by Google Earth 2006

Ninyo & Moore		BORING LOCATION MAP	FIGURE
PROJECT NO.	DATE	TAMARACK AVENUE CARLSBAD, CALIFORNIA	2
105812001	10/06		

LEGEND

Approximate boring location (Ninyo & Moore 2006)

N

Feet: 0 130 260 520

Meters: 0 40 80 160

Aerial photography provided by Google Earth 2006

Ninyo & Moore		BORING LOCATION MAP	FIGURE
PROJECT NO.	DATE	MAXSON & FIRST STREET - MISSION AVENUE OCEANSIDE, CALIFORNIA	3
105812001	10/06		

LEGEND

Approximate boring location (Ninyo & Moore 2006)

N

Feet: 0 65 130 260

Meters: 0 20 40 80

Aerial photography provided by Google Earth 2006

Ninyo & Moore		BORING LOCATION MAP	FIGURE
PROJECT NO.	DATE	OCEANSIDE BLVD OCEANSIDE, CALIFORNIA	4
105812001	10/06		

LEGEND

Approximate boring location (Ninyo & Moore 2006)

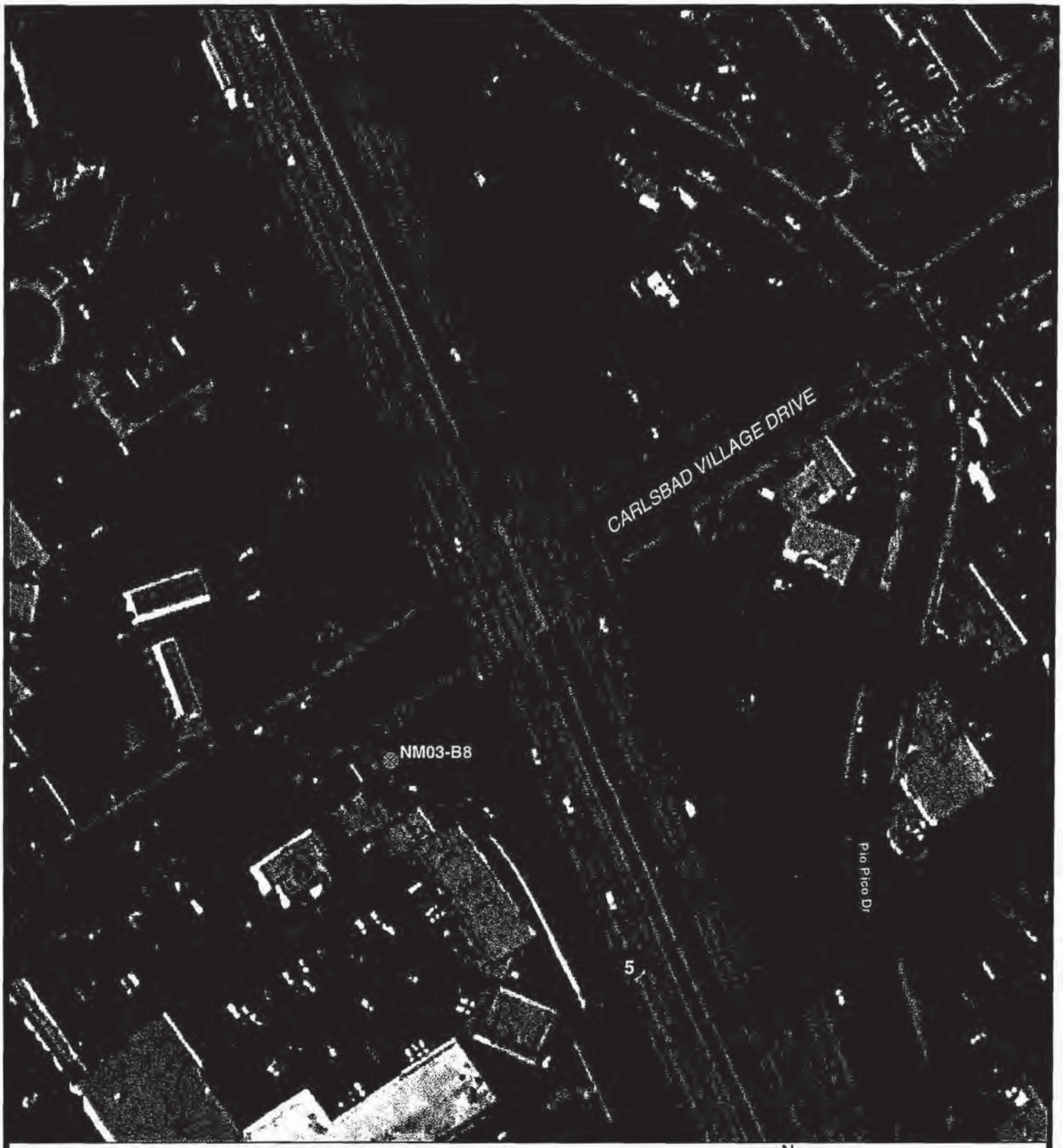
N

Feet: 0 65 130 260

Meters: 0 20 40 80

Aerial photography provided by Google Earth 2006

Ninyo & Moore		BORING LOCATION MAP	FIGURE
PROJECT NO.	DATE	PALOMAR AIRPORT ROAD CARLSBAD, CALIFORNIA	5
105812001	10/06		



LEGEND

⊗ Approximate boring location (Ninyo & Moore 2006)

N

Feet: 0 65 130 260

Meters: 0 20 40 80

Aerial photography provided by Google Earth 2006

Ninyo & Moore		BORING LOCATION MAP	FIGURE
PROJECT NO.	DATE	CARLSBAD VILLAGE DRIVE CARLSBAD, CALIFORNIA	6
105812001	10/06		

RECEIVED

MAR 24 2006

NINYO & MOORE
SAN DIEGO OFFICE

PERMIT #LMON103849
A.P.N. #151-011-10, 203-320-31, 206-050-20, 211-050-01-00
EST # NONE

COUNTY OF SAN DIEGO
DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
MONITORING WELL PROGRAM
SOIL BORING CONSTRUCTION PERMIT

SITE NAME: CALTRANS HIGHWAY 5 EXPANSION PROJECT

SITE ADDRESS: CALTRANS RIGHT OF WAY (LISTED CLOSEST PARCELS) I-5 & PALOMAR AIRPORT RD., I-5 & TAMARACK AV., I-5 & CARLSBAD VILLAGE DR., I-5 & OCEANSIDE BL., I-5 & MISSION AV., (CARLSBAD & OCEANSIDE)

PERMIT FOR: **16 SOIL BORINGS**

PERMIT APPROVAL DATE: MARCH 22, 2006

PERMIT EXPIRES ON: JULY 20, 2006

RESPONSIBLE PARTY: STATE OF CALIFORNIA, DOT DISTRICT II

PERMIT CONDITIONS:

1. All borings must be sealed from the bottom of the boring to the ground surface with an approved sealing material as specified in California Well Standards Bulletin 74-90, Part III, Section 19.D. **Drill cuttings are not an acceptable fill material.**

2. All borings must be properly destroyed within 24 hours of drilling.

3. Placement of any sealing material at a depth greater than 30 feet must be done using the tremie method.

4. All water and soil resulting from the activities covered by this permit must be managed, stored and disposed of as specified in the SAM Manual in Section 5, II, E- 4. (**http://www.sdcounty.ca.gov/deh/lwq/sam/manual_guidelines.html**). In addition, drill cuttings must be properly handled and disposed in compliance with the Stormwater Best Management Practices of the local jurisdiction.

5. Within 60 days of completing work, submit a well construction report, including all well and/or boring logs and laboratory data to the Well Permit Desk. This report must include all items required by the SAM Manual, Section 5, Pages 6 & 7.

6. **This office must be given 48-hour notice of any drilling activity on this site and advanced notification of drilling cancellation. Please contact the Well Permit Desk at 619) 338-2339.**

APPROVED BY: _____ DATE: 03/22/2006
ERNIE L. PROFETA

NOTIFIED: by vmsg 3/22/06

DEH: SAM-9075 (1/06)

Rcvd 3/10/06

PERMIT APPLICATION GROUNDWATER AND VADOSE MONITORING WELLS AND EXPLORATORY OR TEST BORINGS

OFFICE USE ONLY
PERMIT LMON # 103849
SAM CASE Y/N # ____
DATE RECEIVED: ____
FEE PAID: ____
CHECK # ____

A. RESPONSIBLE PARTY State of CA, DOT District 11 Phone 619.688.6925
(The person, persons, or company responsible for the construction, maintenance, and destruction of the proposed borings and/or wells.)
Mailing Address 2829 Juan St., MS-46 City San Diego State CA Zip 92110
Contact Person Joel Kloth Phone 858.616.6622 Ext. ____ Fax ____

B. SITE ASSESSMENT PROJECT NUMBER – IF APPLICABLE # ____

C. CONSULTING FIRM Ninyo + Moore
Mailing Address 5710 Ruffin Road City San Diego State CA Zip 92123
Registered Professional Scott Snyder Registration # 7356 (PG)
Contact Person Scott Snyder Phone 858.576.1000 Ext. 1255 Fax 858.576.9600

D. DRILLING COMPANY TRI-COUNTY DRILLING, INC. C57# 547737
Contact Name Tim Duddie
Mailing Address 9631 Candida Street City San Diego State CA Zip 92126-
Phone 858-271-0099 Fax 858-271-0233

E. CONSTRUCTION INFORMATION

TYPE OF WELLS/ BORINGS TO BE CONSTRUCTED

	#
☐ Groundwater	____
☐ Vadose	____
☒ Boring	16
☐ Other	____

NUMBER OF WELLS TO BE DESTROYED

☐ ____

MATERIALS TO BE USED

CASING
Not Applicable X
Type ____
Gauge ____
Diameter ____
Well Screen Size ____
Filter Pack ____

SEAL/BORING BACKFILL
☐ Neat Cement
☐ Cement & Bentonite
☐ Sand-Cement
☐ Bentonite
☐ Other
Borehole diameter ____

Drilling Method
☒ Auger
☐ Mud Rotary
☐ Percussion
☐ Air Rotary
☐ Other

PROPOSED CONSTRUCTION
Estimated groundwater depth: 10-40 ft.
Estimated depth of boring 100 ft.

Concrete surface seal	0 to 3
Annular seal	3 to T.D.
Bentonite transition seal	____ to ____
Filter Pack	____ to ____
Perforation	____ to ____

NOTE:
Attach a well construction diagram for wells with multiple completions

I agree to comply with the requirements of the current Site Assessment and Mitigation Manual, and with all ordinances and laws of the County of San Diego and the State of California pertaining to well/boring construction and destruction.

DRILLER'S SIGNATURE [signature] DATE 3/7/06

Within 60 days of completion, I will furnish the Monitoring Well Permit Desk with a complete and accurate well/boring log. I will certify the design and construction or destruction of the well/borings in accordance with the permit application.

G/RCE SIGNATURE [signature] DATE 3/7/06

3449

COUNTY OF SAN DIEGO

DEPARTMENT OF ENVIRONMENTAL HEALTH
1255 Imperial Avenue, 3rd Floor
San Diego, CA 92101
(619)338-2228

RECEIPT NUMBER: 06-0316672
Cashier: EGAURAN

APN: 211-050-01-00
DATE ISSUED: 10-MAR-2006
PERMIT: LMON T103849
SCOPE: SOIL BORING
SITE ADDRESS: 889 PALOMAR AIRPORT RD
SUBDIVISION:
CITY: Carlsbad, CA 92009

PARCEL OWNER: WINTER BARBARA TR
ADDRESS: ISLAND RESTAURANTS LP
CITY/STATE/ZIP:, 92008

PERMIT OWNER:
ADDRESS:
CITY/STATE/ZIP:

'ees Calculated 12 Months Back

Date	Fee Code	Description	Paid to Date	This Receipt	Balance Due
0-MAR-2006	6LW26--EHO	SOIL BORING	$0.00	$935.00	$0.00
0-MAR-2006	6LW26-ZCRO	FISCAL YEAR 05/06 ONE-TIME 10% CREDIT	$0.00	-$93.50	$0.00
		Totals:		$841.50	$0.00

ayment Code	Description	Amount
'HECK	97138	$841.50

Tendered:	$841.50
Change:	$0.00
Balance Due:	$0.00

F. SITE INFORMATION

1. **ASSESSOR'S PARCEL NUMBER** 211-050-0100
   Site Name _____
   Site Address I-5 & Palomar Airport Road City Carlsbad Zip 92009-

   PROPERTY OWNER State of CA, DOT District 11
   Phone 619.616.6622 Ext. _____ Fax _____
   Mailing Address 2829 Juan St. City San Diego State CA Zip 92110-

   NUMBER OF WELLS 2- **TYPE OF WELLS** borings

2. **ASSESSOR'S PARCEL NUMBER** 206-050-2000
   Site Name _____
   Site Address I-5 & Tamarack Ave. City Carlsbad Zip 92008-

   PROPERTY OWNER State of CA, DOT District 11
   Phone 619.616.6622 Ext. _____ Fax _____
   Mailing Address 2829 Juan St. City San Diego State CA Zip 92110-

   NUMBER OF WELLS 2- **TYPE OF WELLS** borings

3. **ASSESSOR'S PARCEL NUMBER** 203-320-3100
   Site Name _____
   Site Address I-5 & Carlsbad Village Dr. City Carlsbad Zip 92008-

   PROPERTY OWNER State of CA, DOT District 11
   Phone 619.616.6622 Ext. _____ Fax _____
   Mailing Address 2829 Juan St. City San Diego State CA Zip 92110-

   NUMBER OF WELLS 2- **TYPE OF WELLS** borings

4. **ASSESSOR'S PARCEL NUMBER** 151-011-1000
   Site Name _____
   Site Address I-5 & Oceanside Blvd. City Oceanside Zip 92054-

   PROPERTY OWNER State of CA, DOT District 11
   Phone 619.616.6622 Ext. _____ Fax _____
   Mailing Address 2829 Juan St. City San Diego State CA Zip 92110-

   NUMBER OF WELLS 2- **TYPE OF WELLS** borings

F. SITE INFORMATION

5 1. **ASSESSOR'S PARCEL NUMBER** 211-050-0100
Site Name _____
Site Address I-5 & Mission Ave City Oceanside Zip 92054

PROPERTY OWNER State of CA, DOT District 11
Phone 619.616.6622 Ext _____ Fax _____
Mailing Address 2829 Juan St. City San Diego State CA Zip 92110

NUMBER OF WELLS 6 **TYPE OF WELLS** borings

2. **ASSESSOR'S PARCEL NUMBER** _____
Site Name _____
Site Address _____ City _____ Zip _____

PROPERTY OWNER _____
Phone _____ Ext. _____ Fax _____
Mailing Address _____ City _____ State __ Zip _____

NUMBER OF WELLS _____ **TYPE OF WELLS** _____

3. **ASSESSOR'S PARCEL NUMBER** _____
Site Name _____
Site Address _____ City _____ Zip _____

PROPERTY OWNER _____
Phone _____ Ext. _____ Fax _____
Mailing Address _____ City _____ State __ Zip _____

NUMBER OF WELLS _____ **TYPE OF WELLS** _____

4. **ASSESSOR'S PARCEL NUMBER** _____
Site Name _____
Site Address _____ City _____ Zip _____

PROPERTY OWNER _____
Phone _____ Ext. _____ Fax _____
Mailing Address _____ City _____ State __ Zip _____

NUMBER OF WELLS _____ **TYPE OF WELLS** _____

Permit Fees In Effect for July 1, 2005 - June 30, 2006

G. FEES (in effect beginning July 1, 2005, through June 30, 2006)

The County Board of Supervisors authorized a *10% credit, for the Fiscal Year ending June 30, 2006,* to be applied to the Department of Environmental Health customers. This credit is being provided to qualified fee-based programs that have contributed to the cost reduction/cost containment/cost avoidance efforts initiated by the Department. This *fee adjustment, for the Fiscal Year ending June 30, 2006,* is applicable to fees and permits due and/or obtained during this period. The 10% is not applicable to enforcement fees or fees relating to non-compliance of permit regulations.

ACTIVITY	FEE SCHEDULE FEE – ONE-TIME FISCAL YEAR 10% CREDIT	AMOUNT
Permit for Well Installations Only (Groundwater Monitoring Wells, Vadose, Vapor Extraction Wells)	$185.00 for the first monitoring well $185.00 – 10% <$18.50> =	1 x $166.50 $_____
Permit for Well Maintenance Inspection (Valid for three years)	$100.00 for first well maintenance inspection $100.00 – 10% <$10.00> =	1 x $ 90.00 $_____
Each Additional New Well	$160.00 for each additional well installation $160.00 – 10% <$16.00> = $ 30.00 for each additional well maintenance inspection $ 30.00 – 10% <$ 3.00> =	_____ x $144.00 $_____ _____ x $ 27.00 $_____
Permit for Borings Only *(CPT's, Hydropunch, Geoprobes,* Temporary Well Points, etc.)	$185.00 for the first boring $185.00 – 10% <$18.50> = $ 50.00 for each additional boring $ 50.00 – 10% <$ 5.00> =	1 x $166.50 $ 166.50 15 x $ 45.00 $ 675
Permit for Well Destructions Only	$185.00 for the first destruction $185.00 – 10% <$18.50> = $120.00 for each additional destruction $120.00 – 10% <$12.00> =	1 x $166.50 $_____ _____ x $108.00 $_____
Permit for any Combination of Well Installations, Borings, & Destructions *(except UST backfill permit)* **Permit for any Combination of Well Installations, Borings, & Destructions** *(except UST backfill permit)*	The first activity will be $185.00. $185.00 – 10% <$18.50> = Additional activities will be as follows: $160.00 for each additional well $160.00 – 10% <$16.00> = $100.00 for first well maintenance inspection $100.00 – 10% <$10.00> = $ 30.00 for each additional well maintenance inspection $ 30.00 – 10% <$ 3.00> = $ 50.00 for each additional boring $ 50.00 – 10% <$ 5.00> = $120.00 for each well destruction $120.00 – 10% <$12.00> =	1 x $166.50 $_____ _____ x $144.00 $_____ 1 x $ 90.00$_____ _____ x $ 27.00 $_____ _____ x $ 45.00 $_____ _____ x $108.00 $_____
	TOTAL COST OF PERMIT	$ 841.50
Permit for Underground Storage Tank Monitoring System in Backfill *(i.e. Enhanced Leak Detection)*	(Flat Fee) $320.00 – 10% <$32.00> =	$288.00

H. **QUESTIONNAIRE: Please answer all applicable questions completely. For well destructions, complete only #1 below and submit any required supportive documentation.**

1. If wells are to be destroyed, provide a description of method of destruction N/A

2. What is the purpose of the well/boring investigation?

   ☐ a. Part of an ongoing site assessment case in which DEH or another government regulator is the lead agency.

   ☐ b. Part of a Phase I investigation for property ownership transfer or: _____

   ☐ c. Geotechnical investigation for proposed construction, land stabilization or:

   ☒ d. Other: Site investigation for highway expansion.

3. What procedures will be used to prevent the well/boring from providing an avenue to contamination during construction? All drilling and sampling equipment will be decontaminated prior to use.

4. What field procedures will be utilized to determine if contamination exists? Soil cuttings and samples will be screened with the photoionization detector (PID) during drilling.

5. What procedures will be used to determine whether samples will be sent for laboratory testing or archiving? Field observations of staining and/or elevated PID readings from soil samples will be utilized to determine samples requiring laboratory testing.

6. What constituents will be monitored and tested (Include EPA Laboratory Test Methods to be used)? Selected soil samples will be collected and analyzed for TPH g/d by USEPA test method 8015M, VOCs and EOs by USEPA test method 8260, and PAHs by USEPA test method 8270.

7. How will samples be transported and preserved? Samples will be placed in an ice chilled cooler and transported under chain-of-custody protocol to a state certified laboratory for chemical analysis.

8. What sampling methods will be used? Soil samples will be collected with a split spoon drive sampler.

9. Are you proposing a variation from the methods and/or procedures presented in the requirements for the construction or destruction of Vadose and Groundwater Monitoring Wells (Current SAM Manual Requirements)? If yes, specify these variations and include a well construction diagram and all required supporting documentation. Refer to the SAM Manual Appendix B for monitoring well guidelines (http://www/sdcounty.ca.gov/deh/lwq/sam/monitoring_well.html). :No.

10. Are you proposing a variation in drilling and destruction of soil borings from the methods and/or procedures specified in the current SAM manual? If yes, specify these variations and include a destruction diagram. No.

11. What procedures will be used to ensure that the drilling equipment will introduce no contamination? Drilling equipment will be decontaminated with a high-pressure steam wash prior to drilling operations between boring locations.

LEGEND

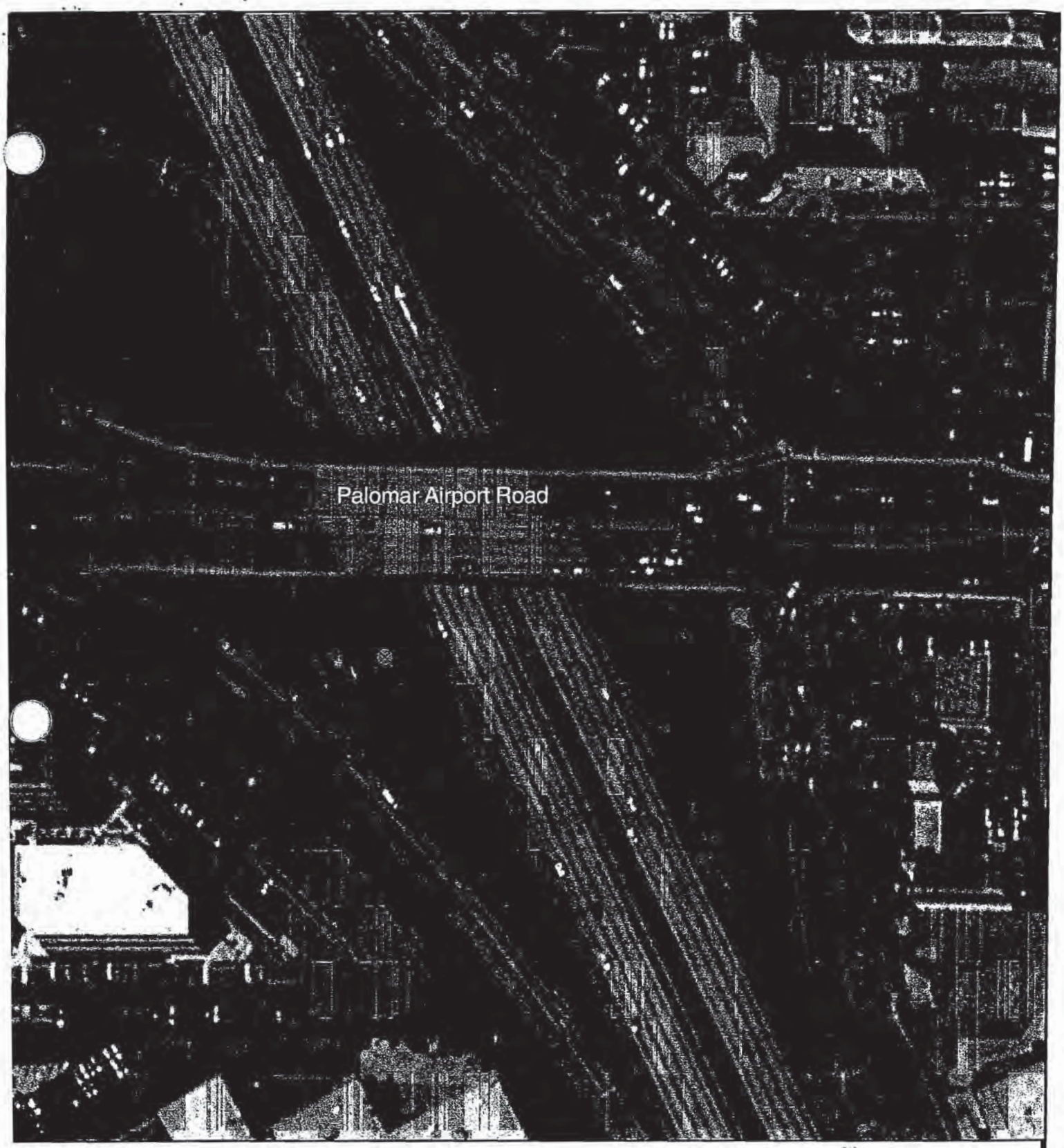
● Approximate location of soil borings

N

0 1,250 2,500 5,000 Meters

I-5 Expansion\105812001 Fig 1slm.mxd - SANDAG GIS shapefiles

Ninyo & Moore	SITE LOCATION MAP	FIGURE
PROJECT NO. 105812001 / DATE 3/06	I-5 EXPANSION SAN DIEGO COUNTY, CALIFORNIA	1



LEGEND

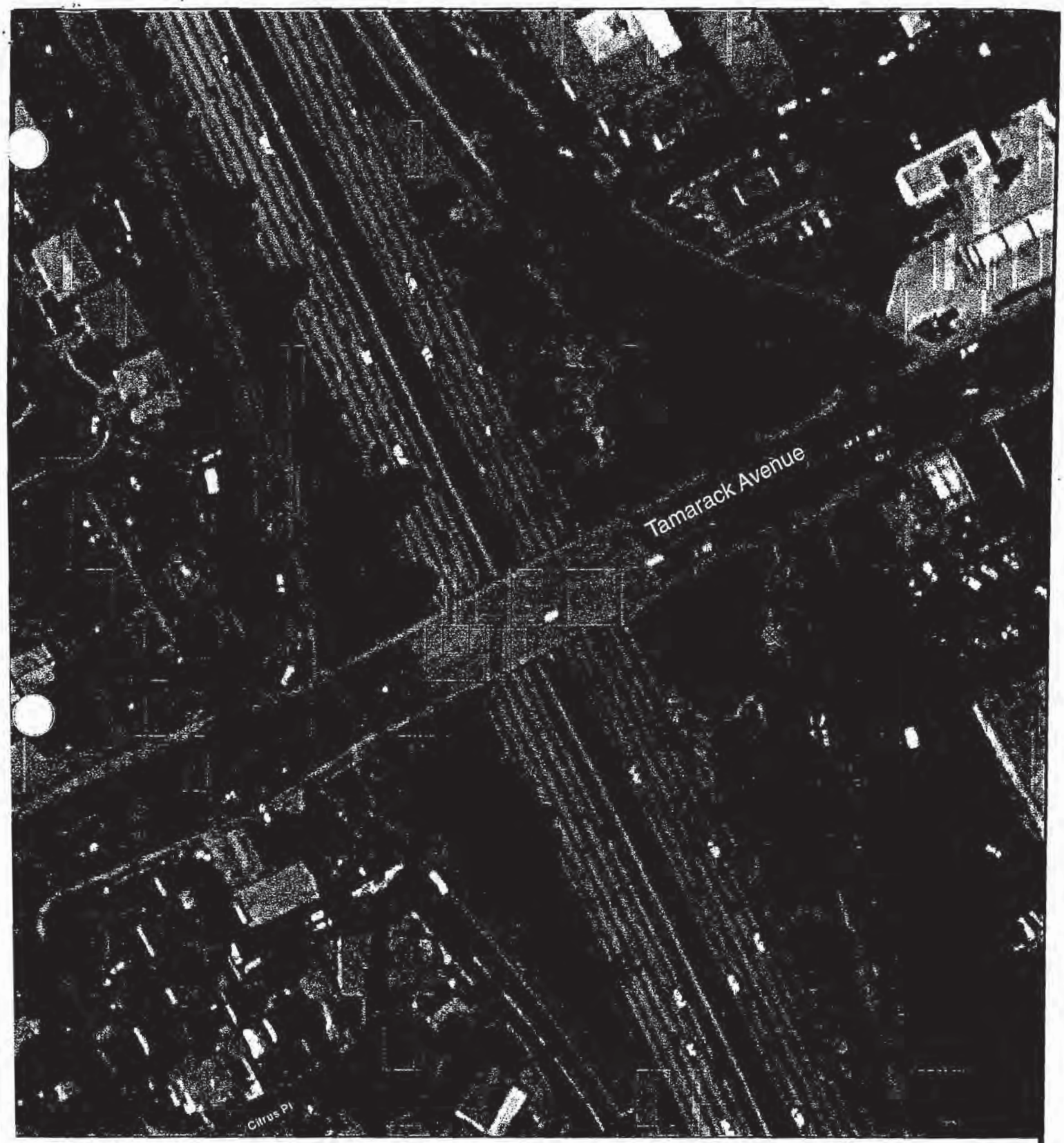
⊗ Approximate location of proposed boring (Ninyo & Moore 2006)

N

0 15 30 60 Meters

Aerial photography provided by Google Earth 2005

Ninyo & Moore		PROPOSED BORING LOCATION MAP	FIGURE
PROJECT NO.	DATE	PALOMAR AIRPORT ROAD CARLSBAD, CALIFORNIA	2
105812001	3/06		



LEGEND

⊗ Approximate location of proposed boring (Ninyo & Moore 2006)

N

0 15 30 60 Meters

Aerial photography provided by Google Earth 2005

Ninyo & Moore		PROPOSED BORING LOCATION MAP	FIGURE
PROJECT NO.	DATE	TAMARACK AVENUE CARLSBAD, CALIFORNIA	3
105812001	3/06		

LEGEND

⊗ Approximate location of proposed boring (Ninyo & Moore 2006)

N

0 15 30 60 Meters

Aerial photography provided by Google Earth 2005

Ninyo & Moore		PROPOSED BORING LOCATION MAP	FIGURE
PROJECT NO.	DATE	CARLSBAD VILLAGE DRIVE CARLSBAD, CALIFORNIA	4
105812001	3/06		

LEGEND

⊗ Approximate location of proposed boring (Ninyo & Moore 2006)

N

0 15 30 60 Meters

Aerial photography provided by Google Earth 2005

Ninyo & Moore		PROPOSED BORING LOCATION MAP	FIGURE
PROJECT NO.	DATE	OCEANSIDE BLVD OCEANSIDE, CALIFORNIA	5
105812001	3/06		

LEGEND

⊗ Approximate location of proposed boring (Ninyo & Moore 2006)

N

0 60 120 240 Meters

Aerial photography provided by Google Earth 2005

Ninyo & Moore		PROPOSED BORING LOCATION MAP	FIGURE
PROJECT NO.	DATE	MAXSON & FIRST STREET - MISSION AVENUE OCEANSIDE, CALIFORNIA	6
105812001	3/06		

County of San Diego

GARY W. ERBECK
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
619-338-2222/FAX 619-338-2315/1-800-253-9933
www.sdcounty.ca.gov/deh/lwq

RICHARD HAAS
ASSISTANT DIRECTOR

PROPERTY OWNER RESPONSIBILITY ACKNOWLEDGEMENT

Proposed locations for subsurface work:

Property Address: See attached

Assessor's Parcel Number (APN): See attached

I, Joel Kloth, owner of the property/properties listed above, give my permission to Nmyo + Moore (consulting company, contractor) to conduct the following work at the locations stated above.

☐ Install _____ monitoring wells ☐ Destroy _____ monitoring wells ☒ Drill 16 soil borings

The person who causes to have a monitoring well installed or an existing well destroyed on this property is defined as the *Responsible Party*. San Diego County Code, Section 67.424, states that: "Monitoring wells shall be maintained to meet construction or destruction standards. If a monitoring well does not meet construction or destruction standards, the *Responsible Party* must repair, reconstruct or destroy the monitoring well so it meets the standards. The property owner, if different than the *Responsible Party*, must take the necessary actions to repair, reconstruct or destroy the monitoring well so it meets the standards if the *Responsible Party* does not complete the necessary actions."

A soil boring is used specifically to sample soil and, because there are construction and destruction standards, is included in the definition of a monitoring well even though no maintenance is required. These standards are outlined in the County of San Diego Site Assessment and Mitigation (SAM) Manual and the State of California Well Standards Bulletin 74-90.

I understand that Scott Snyder (registered professional) of Nmyo + Moore (consulting company) and an authorized signer for Tri-County Drilling (drilling company) have submitted a signed application to the Department of Environmental Health in which they have agreed to complete the above-stated work according the requirements of the current SAM Manual, all ordinances and laws of the County of San Diego and the State of California pertaining to well/boring construction and destruction.

I also understand that if either the registered professional and/or the licensed drilling company should fail in their responsibilities as defined in San Diego County Code, Section 67.424, I, as the property owner, must take the necessary actions to repair, reconstruct or destroy the monitoring well so it meets the standards if the Responsible Party does not complete the necessary actions.

The scope of work covered by this Acknowledgement will expire one year from the date of the property owner's signature below. If an extension of time beyond one year is required to complete the proposed drilling activities or additional work is proposed, a new Property Owner Responsibility Agreement will be required.

Property Owner Signature: Joel Kloth for Caltrans Date: 3-1-06

Print Name: Joel J Kloth, for Caltrans Title: Engineering Geologist

Company: Department of Transportation

Mailing Address: 2829 Juan St. San Diego CA 92110, MS-46

Interchange	Closest Assessor's Parcel Number
Palomar Airport Road	211-050-0100
Tamarack Avenue	206-050-2000
Carlsbad Village Drive	203-320-3100
Oceanside Boulevard	151-011-1000
Mission Avenue	148-340-3000

DATE DRILLED 04/06/06 BORING NO. NM03-B1

GROUND ELEVATION 18 m ± (MSL) SHEET 1 OF 2

METHOD OF DRILLING 8" Diameter Hollow Stem Auger (Tri-County)

DRIVE WEIGHT 64kg (140 lbs.[Auto-Trip]) DROP 0.76 m (30")

SAMPLED BY MLF LOGGED BY MLF REVIEWED BY WSS

DEPTH (feet)	DEPTH (meters)	SAMPLES Bulk	SAMPLES Driven	BLOWS/30 cms (blows/foot)	MOISTURE	DRY UNIT WEIGHT kN/m³ (pcf)	PID READING (ppm)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
	0									ASPHALT:
									SP	Approximately 8" thick.
										FILL: Yellowish red, dry, medium dense, fine to grained SAND; trace of silt.
	1									
5										
	2		◤	20			0.5			
10	3									Pinkish white.
			◤	23			0.7			
	4									
15									SM	Brown, damp, medium dense, silty fine to medium SAND.
	5		◤	37			0.3			
20	6									TERRACE DEPOSITS (BAY POINT FORMATION): Pinkish gray, damp, poorly cemented, medium- to large-grained SANDSTONE.
			◤	104			0.5			
	7									
25										Wet.
			◤	50/2"			0.6			
	8									
					▼					Brown, saturated, poorly cemented, fine-grained sandy SILTSTONE; slight plasticity.
30	9									
			◤	50/5"			0.3			
	10									

Ninyo & Moore

BORING LOG

Interstate 5 Site Assessment
San Diego County, California

PROJECT NO.	DATE	FIGURE
105812001	10/06	A-1

DEPTH (feet)	DEPTH (meters)	SAMPLES Bulk	SAMPLES Driven	BLOWS/30 cms (blows/foot)	MOISTURE	DRY UNIT WEIGHT kN/m3 (pcf)	PID READING (ppm)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
										SANTIAGO FORMATION: (Continued) Brown, saturated, moderately cemented, fine-grained sandy SILTSTONE; slight plasticity.
35			◤	50/2			0.3			
	11									Total Depth = 10.7 meters bgs (Refusal). Groundwater encountered at approximately 8.8 meters bgs during drilling. Backfilled with 75 gallons of hydrated bentonite grout from 10.7 meters to 0.9 meters bgs. From 0.9 meters to 0.2 meters with 2 bags of bentonite chips. From 0.2 meters to 0.0 meters with Quickrete on 4/06/06.
40	12									
	13									
45										
	14									
	15									
50										
	16									
55										
	17									
	18									
60										
	19									
65										
	20									

DATE DRILLED 04/06/06 BORING NO. NM03-B1

GROUND ELEVATION 18 m ± (MSL) SHEET 2 OF 2

METHOD OF DRILLING 8" Diameter Hollow Stem Auger (Tri-County)

DRIVE WEIGHT 64kg (140 lbs.[Auto-Trip]) DROP 0.76 m (30")

SAMPLED BY MLF LOGGED BY MLF REVIEWED BY WSS

REGISTERED GEOLOGIST
W. SCOTT SNYDER
No. 743
CERTIFIED
HYDROGEOLOGIST
Exp. 08/08
STATE OF CALIFORNIA

Ninyo & Moore

BORING LOG

Interstate 5 Site Assessment
San Diego County, California

PROJECT NO.	DATE	FIGURE
105812001	10/06	A-2

DATE DRILLED 04/07/06 BORING NO. NM03-B2

GROUND ELEVATION 43 m ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 8" Diameter Hollow Stem Auger (Tri-County)

DRIVE WEIGHT 64kg (140 lbs.[Auto-Trip]) DROP 0.76 m (30")

SAMPLED BY MLF LOGGED BY MLF REVIEWED BY WSS

DEPTH (feet)	DEPTH (meters)	SAMPLES Bulk	SAMPLES Driven	BLOWS/30 cms (blows/foot)	MOISTURE	DRY UNIT WEIGHT kN/m³ (pcf)	PID READING (ppm)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
	0						0.0		SM	FILL: Reddish brown, moist, medium dense, fine to medium silty SAND.
	1									
5										TERRACE DEPOSITS (BAY POINT FORMATION): Brownish yellow, damp, moderately cemented, medium- to fine-grained silty SANDSTONE; indurated with 1/4" clasts of quartz and other lithic derived gravel.
	2			42			0.2			
10	3									Dense.
				63			0.3			
	4									
15				50/1						Very dense; very hard drilling.
	5									
										Total Depth = 5.2 meters (Refusal). Groundwater not encountered during drilling. Backfilled with 50 gallons of hydrated bentonite from 5.2 meters to 0.3 meters bgs. From 0.3 meters to 0.0 meters with 1 bag of bentonite chips on 4/7/06.
20	6									
	7									
25										
	8									
30	9									
	10									

REGISTERED GEOLOGIST
W. SCOTT SNYDER
No. 748
CERTIFIED HYDROGEOLOGIST
Exp. 06/08
STATE OF CALIFORNIA

Ninyo & Moore

BORING LOG

Interstate 5 Site Assessment
San Diego County, California

PROJECT NO.	DATE	FIGURE
105812001	10/06	A-3

DATE DRILLED 04/11/06 BORING NO. NM03-B3

GROUND ELEVATION 18 m ± (MSL) SHEET 1 OF 2

METHOD OF DRILLING 8" Diameter Hollow Stem Auger (Tri-County)

DRIVE WEIGHT 64kg (140 lbs.[Auto-Trip]) DROP 0.76 m (30")

SAMPLED BY MLF LOGGED BY MLF REVIEWED BY WSS

DEPTH (feet)	DEPTH (meters)	SAMPLES Bulk	SAMPLES Driven	BLOWS/30 cms (blows/foot)	MOISTURE	DRY UNIT WEIGHT kN/m3 (pcf)	PID READING (ppm)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
	0								SM	FILL: Reddish brown, damp, medium dense, silty fine to medium SAND.
					0.0					
	1								SP	Yellowish red, dry, moderately cemented, fine to medium SAND; trace of silt.
5										
	2			40	0.3					
10	3									
										Drilled through hard rocky layer approximately 1' thick.
	4									
15				50.5						TERRACE DEPOSITS (BAY POINT FORMATION): Pinkish gray, damp, moderately cemented, poorly graded fine-grained SANDSTONE.
	5									
20	6									Light brown; wet; poorly cemented; trace silt.
				42			0.3			
	7									Saturated.
25				50.5			0.6			Pinkish white; saturated; well cemented.
	8									
30	9									
				50.5			0.4			
										Total Depth = 9.5 meters bgs. Groundwater encountered at approximately 7.3 meters bgs during drilling.
	10									

Ninyo & Moore

BORING LOG

Interstate 5 Site Assessment
San Diego County, California

PROJECT NO.	DATE	FIGURE
105812001	10/06	A-4

DEPTH (feet)	DEPTH (meters)	SAMPLES Bulk	SAMPLES Driven	BLOWS/30 cms (blows/foot)	MOISTURE	DRY UNIT WEIGHT kN/m3 (pcf)	PID READING (ppm)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
										Backfilled with 70 gallons of hydrated bentonite from 9.5 meters to 0.9 meters bgs. From 0.9 meters to 0.0 meters with 1 bag of bentonite chips on 4/11/06.
35										
	11									
40	12									
	13									
45										
	14									
50	15									
	16									
55										
	17									
60	18									
	19									
65	20									

DATE DRILLED 04/11/06 BORING NO. NM03-B3

GROUND ELEVATION 18 m ± (MSL) SHEET 2 OF 2

METHOD OF DRILLING 8" Diameter Hollow Stem Auger (Tri-County)

DRIVE WEIGHT 64kg (140 lbs.[Auto-Trip]) DROP 0.76 m (30")

SAMPLED BY MLF LOGGED BY MLF REVIEWED BY WSS

REGISTERED GEOLOGIST
W. SCOTT SNYDER
No. 748
CERTIFIED HYDROGEOLOGIST
Exp. 9/08
STATE OF CALIFORNIA

Ninyo & Moore

BORING LOG

Interstate 5 Site Assessment
San Diego County, California

PROJECT NO.	DATE	FIGURE
105812001	10/06	A-5

DATE DRILLED 04/12/06 BORING NO. NM03-B4

GROUND ELEVATION 6 m ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 8" Diameter Hollow Stem Auger (Tri-County)

DRIVE WEIGHT 64kg (140 lbs.[Auto-Trip]) DROP 0.76 m (30")

SAMPLED BY MLF LOGGED BY MLF REVIEWED BY WSS

DEPTH (feet)	DEPTH (meters)	SAMPLES Bulk	SAMPLES Driven	BLOWS/30 cms (blows/foot)	MOISTURE	DRY UNIT WEIGHT kN/m3 (pcf)	PID READING (ppm)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
	0								SW	FILL: Brown, damp, loose, well-graded silty fine to medium SAND.
	1									Wet.
5									MH	ALLUVIUM: Brown, wet, loose, SILT; micaceous.
			◤	9			0.6			
	2									
10	3									
			◤	13						Saturated.
	4									
15										
	5		◤	12						
20	6									
			◤	13			0.4			
	7									
25										
			◤	20			0.6			
	8									Total Depth = 7.9 meters bgs. Groundwater encountered at approximately 3.5 meters bgs during drilling. Backfilled with 70 gallons of hydrated bentonite from 7.9 meters to 0.6 meters bgs. From 0.6 meters to 0.0 meters with 1 bag of bentonite chips on 4/12/06.
30	9									
	10									

REGISTERED GEOLOGIST W. SCOTT SNYDER No. 748 CERTIFIED HYDROGEOLOGIST Exp. 08/08 STATE OF CALIFORNIA

Ninyo & Moore

BORING LOG

Interstate 5 Site Assessment
San Diego County, California

PROJECT NO.	DATE	FIGURE
105812001	10/06	A-6

DATE DRILLED	04/13/06	BORING NO.	NM03-B5
GROUND ELEVATION	18 m ± (MSL)	SHEET	1 OF 1
METHOD OF DRILLING	8" Diameter Hollow Stem Auger (Tri-County)		
DRIVE WEIGHT	64kg (140 lbs.[Auto-Trip])	DROP	0.76 m (30")
SAMPLED BY	MLF	LOGGED BY MLF	REVIEWED BY WSS

DEPTH (feet)	DEPTH (meters)	SAMPLES Bulk	SAMPLES Driven	BLOWS/30 cms (blows/foot)	MOISTURE	DRY UNIT WEIGHT kN/m³ (pcf)	PID READING (ppm)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
	0								SM	FILL: Brown, damp, loose, silty fine to medium SAND.
	1									
5									SW	Light brown, moist, medium dense, fine to medium SAND; micaceous.
	2		■	36			0.4			
										Reddish brown.
10	3									
			■	24						Light gray.
	4									
										Light gray to reddish brown.
	5		■	46						
20	6									Saturated.
			■	40			0.4			
										Drilling hard.
	7									TERRACE DEPOSITS (BAY POINT FORMATION): Gray, saturated, moderately cemented, SILTSTONE; micaceous.
25			■	75						
	8									Total Depth = 7.9 meters bgs. Groundwater encountered at approximately 5.2 meters bgs during drilling. Backfilled with 70 gallons of hydrated bentonite from 7.9 meters to 0.8 meters bgs. From 0.8 meters to 0.0 meters with 1 bag of bentonite chips on 04/13/06.
30	9									
	10									

REGISTERED GEOLOGIST
W. SCOTT SNYDER
No. 748
CERTIFIED HYDROGEOLOGIST
Exp. 08/08
STATE OF CALIFORNIA

Ninyo & Moore

BORING LOG

Interstate 5 Site Assessment
San Diego County, California

PROJECT NO.	DATE	FIGURE
105812001	10/06	A-7

DATE DRILLED 04/17/06 BORING NO. NM03-B6

GROUND ELEVATION 6 m ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 8" Diameter Hollow Stem Auger (Tri-County)

DRIVE WEIGHT 64kg (140 lbs.[Auto-Trip]) DROP 0.76 m (30")

SAMPLED BY MLF LOGGED BY MLF REVIEWED BY WSS

DEPTH (feet)	DEPTH (meters)	SAMPLES Bulk	SAMPLES Driven	BLOWS/30 cms (blows/foot)	MOISTURE	DRY UNIT WEIGHT kN/m³ (pcf)	PID READING (ppm)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
	0	■							SM	FILL: Brown, damp, loose, silty fine to medium SAND.
	1									
5										
	2		◥	36			0.1		ML	ALLUVIUM: Brown, damp, stiff, fine sandy SILT.
10	3		◥	19			0.4			
	4									Saturated.
15									SP	Light brown, saturated, loose, fine to medium SAND; micaceous; trace of silt.
	5		◥	15			0.0			
20	6									Total Depth = 5.8 meters bgs. Groundwater encountered at approximately 3.9 meters bgs during drilling. Backfilled with 3 bags of hydrated bentonite chips on 4/17/06.
	7									
25										
	8									
30	9									
	10									

REGISTERED GEOLOGIST
W. SCOTT SNYDER
No. 748
CERTIFIED HYDROGEOLOGIST
Exp. 12/08
STATE OF CALIFORNIA

Ninyo & Moore

BORING LOG

Interstate 5 Site Assessment
San Diego County, California

PROJECT NO.	DATE	FIGURE
105812001	10/06	A-8

DATE DRILLED 04/19/06 BORING NO. NM03-B7

GROUND ELEVATION 18 m ± (MSL) SHEET 1 OF 2

METHOD OF DRILLING 8" Diameter Hollow Stem Auger (Tri-County)

DRIVE WEIGHT 64kg (140 lbs.[Auto-Trip]) DROP 0.76 m (30")

SAMPLED BY MLF LOGGED BY MLF REVIEWED BY WSS

DEPTH (feet)	DEPTH (meters)	SAMPLES Bulk	SAMPLES Driven	BLOWS/30 cms (blows/foot)	MOISTURE	DRY UNIT WEIGHT kN/m3 (pcf)	PID READING (ppm)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
	0								SM	FILL: Dark brown, moist, loose, silty fine to medium SAND; trace of silt and clay.
	1									
5										Brown; dry; medium dense; slight oxidation.
	2		◤	25			0.4			
10	3									
			◤	34						
	4									TERRACE DEPOSITS (BAY POINT FORMATION): Brown, dry, moderately cemented, fine- to medium-grained SANDSTONE.
15										
	5		◤	20						
20	6									Highly cemented; fine- to medium-grained sandstone; trace of silt; micaceous.
			◤	59			0.4			
	7									
25										Wet.
	8		◤	39						
30	9									Light brown, dry, highly cemented, SILTSTONE.
			◤	50/6"						
	10									

Ninyo & Moore

BORING LOG

Interstate 5 Site Assessment
San Diego County, California

PROJECT NO.	DATE	FIGURE
105812001	10/06	A-9

DATE DRILLED 04/19/06 BORING NO. NM03-B7

GROUND ELEVATION 18 m ± (MSL) SHEET 2 OF 2

METHOD OF DRILLING 8" Diameter Hollow Stem Auger (Tri-County)

DRIVE WEIGHT 64kg (140 lbs.[Auto-Trip]) DROP 0.76 m (30")

SAMPLED BY MLF LOGGED BY MLF REVIEWED BY WSS

DEPTH (feet)	DEPTH (meters)	SAMPLES Bulk	SAMPLES Driven	BLOWS/30 cms (blows/foot)	MOISTURE	DRY UNIT WEIGHT kN/m3 (pcf)	PID READING (ppm)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
										TERRACE DEPOSITS (BAY POINT FORMATION): (Continued) Light brown, dry, highly cemented, SILTSTONE.
35	11		◤	50/6"						Pinkish white, moist, highly cemented, fine-grained SANDSTONE; trace of silt; micaceous.
40	12									Brown, moist, highly cemented, SILTSTONE.
			◤	50/6"			5.1			Saturated.
45	13									
	14		◤	74			1.2			Micaceous.
50	15		◤	50/2"			7.3			Pinkish white, damp, highly cemented, fine- to medium-grained SANDSTONE.
55	16		◤	50/6"			0.0			Saturated.
60	17									
65	18									Total Depth = 18.0 meters bgs. Groundwater encountered at approximately 12.7 meters bgs during drilling. Backfilled with 70 gallons of hydrated bentonite from 18.0 meters to 0 meters bgs. From 0.8 meters to 0.0 meters with 1 bag of bentonite chips on 4/19/06.
	19									
	20									

REGISTERED GEOLOGIST W. SCOTT SNYDER No. 748 CERTIFIED HYDROGEOLOGIST Exp. 08/07 STATE OF CALIFORNIA

Ninyo & Moore

BORING LOG

Interstate 5 Site Assessment
San Diego County, California

PROJECT NO.	DATE	FIGURE
105812001	10/06	A-10

DATE DRILLED 05/04/06 BORING NO. NM03-B8

GROUND ELEVATION 24 m ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 8" Diameter Hollow Stem Auger (Tri-County)

DRIVE WEIGHT 64kg (140 lbs.[Auto-Trip]) DROP 0.76 m (30")

SAMPLED BY MLF LOGGED BY MLF REVIEWED BY WSS

DEPTH (feet)	DEPTH (meters)	SAMPLES Bulk	SAMPLES Driven	BLOWS/30 cms (blows/foot)	MOISTURE	DRY UNIT WEIGHT kN/m³ (pcf)	PID READING (ppm)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
	0	■					0.0		SM	ASPHALT CONCRETE: Approximately 4" thick.
										FILL: Red, moist, medium dense, silty fine SAND.
	1									
5			◤	55			0.1		SM	ALLUVIUM: Yellowish red, damp, medium dense to dense, silty fine SAND; micaceous.
	2									
10	3		◤	58			0.2			Reddish brown; wet; medium to coarse sand.
			◤	72			0.0			
	4									
15			◤	77			0.1			
	5									
20	6		◤				0.3			Saturated; dense; silty medium to coarse sand.
	7									Total Depth = 7.0 meters bgs. Groundwater encountered at approximately 3.8 meters bgs during drilling. Backfilled with 8.03 cubic feet of hydrated bentonite chips from 7.0 meters to 0.1 meters bgs. From 0.1 meters to 0.0 meters with blackened Quickrete on 5/4/06.
25										
	8									
30	9									
	10									

REGISTERED GEOLOGIST W. SCOTT SNYDER No. 748 CERTIFIED HYDROGEOLOGIST Exp. 6/08 STATE OF CALIFORNIA

Ninyo & Moore

BORING LOG

Interstate 5 Site Assessment
San Diego County, California

PROJECT NO.	DATE	FIGURE
105812001	10/06	A-11

DATE DRILLED 05/11/06 BORING NO. NM03-B9

GROUND ELEVATION 43 m ± (MSL) SHEET 1 OF 4

METHOD OF DRILLING 8" Lad Bit Air Rotary (Tri-County)

DRIVE WEIGHT 64kg (140 lbs.[Auto-Trip]) DROP 0.76 m (30")

SAMPLED BY MLF LOGGED BY MLF REVIEWED BY WSS

DEPTH (feet)	DEPTH (meters)	SAMPLES Bulk	SAMPLES Driven	BLOWS/30 cms (blows/foot)	MOISTURE	DRY UNIT WEIGHT kN/m³ (pcf)	PID READING (ppm)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
	0	■					0.0		SM	FILL: Reddish brown, moist, medium dense, fine to medium silty SAND.
	1									
5			◥	40			0.0			TERRACE DEPOSITS (BAY POINT FORMATION): Brownish yellow, damp, moderately cemented, fine- to medium-grained silty SANDSTONE.
	2									
10	3		◥	78			0.0			Highly cemented.
	4									
	5		◥	73			0.1			
20	6									
	7									
25										
	8									
30	9									
	10									

Ninyo & Moore

BORING LOG

Interstate 5 Site Assessment
San Diego County, California

PROJECT NO.	DATE	FIGURE
105812001	10/06	A-12

DEPTH (feet)	DEPTH (meters)	SAMPLES Bulk	SAMPLES Driven	BLOWS/30 cms (blows/foot)	MOISTURE	DRY UNIT WEIGHT kN/m³ (pcf)	PID READING (ppm)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
35										TERRACE DEPOSITS (BAY POINT FORMATION): (Continued) Brownish yellow, damp, moderately cemented, medium- to fine-grained silty SANDSTONE.
	11									
40	12									
	13									
45	14									
50	15									
	16									
55	17									GRANITE ROCK: Tan to brown, dry, slightly weathered, very hard GRANITIC ROCK.
60	18									
	19									
65	20									

DATE DRILLED 05/11/06 BORING NO. NM03-B9

GROUND ELEVATION 43 m ± (MSL) SHEET 2 OF 4

METHOD OF DRILLING 8" Lad Bit Air Rotary (Tri-County)

DRIVE WEIGHT 64kg (140 lbs.[Auto-Trip]) DROP 0.76 m (30")

SAMPLED BY MLF LOGGED BY MLF REVIEWED BY WSS

Ninyo & Moore

BORING LOG

Interstate 5 Site Assessment
San Diego County, California

PROJECT NO.	DATE	FIGURE
105812001	10/06	A-13

DATE DRILLED 05/11/06 BORING NO. NM03-B9

GROUND ELEVATION 43 m ± (MSL) SHEET 3 OF 4

METHOD OF DRILLING 8" Lad Bit Air Rotary (Tri-County)

DRIVE WEIGHT 64kg (140 lbs.[Auto-Trip]) DROP 0.76 m (30")

SAMPLED BY MLF LOGGED BY MLF REVIEWED BY WSS

DEPTH (feet)	DEPTH (meters)	SAMPLES Bulk	SAMPLES Driven	BLOWS/30 cms (blows/foot)	MOISTURE	DRY UNIT WEIGHT kN/m³ (pcf)	PID READING (ppm)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
										GRANITE ROCK: (Continued) Brown to tan, damp, slightly weathered, very hard GRANITIC ROCK.
	21									
70										
	22									
75										
	23									
	24									
80							0.0			
	25									
							0.0			
85										
	26									
							0.0			
	27									
90							0.0			
	28									
95										
	29									
	30									

Ninyo & Moore

BORING LOG

Interstate 5 Site Assessment
San Diego County, California

PROJECT NO.	DATE	FIGURE
105812001	10/06	A-14

DEPTH (feet)	DEPTH (meters)	SAMPLES Bulk	SAMPLES Driven	BLOWS/30 cms (blows/foot)	MOISTURE	DRY UNIT WEIGHT kN/m3 (pcf)	PID READING (ppm)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
100										GRANITE ROCK: (Continued) Brown to tan, damp, slightly weathered, very hard GRANITIC ROCK.
										Total Depth = 30.6 meters bgs. Groundwater encountered at approximately 28.7 meters bgs during drilling. Backfilled with approximately 250 gallons of hydrated bentonite grout on 5/16/06.
	31									
105	32									
	33									
110										
	34									
115	35									
	36									
120										
	37									
125	38									
	39									
130										
	40									

DATE DRILLED 05/11/06 BORING NO. NM03-B9

GROUND ELEVATION 43 m ± (MSL) SHEET 4 OF 4

METHOD OF DRILLING 8" Lad Bit Air Rotary (Tri-County)

DRIVE WEIGHT 64kg (140 lbs.[Auto-Trip]) DROP 0.76 m (30")

SAMPLED BY MLF LOGGED BY MLF REVIEWED BY WSS

REGISTERED GEOLOGIST
W. SCOTT SNYDER
No. 748
CERTIFIED
HYDROGEOLOGIST
Exp. 08/08
STATE OF CALIFORNIA

Ninyo & Moore

BORING LOG

Interstate 5 Site Assessment
San Diego County, California

PROJECT NO.	DATE	FIGURE
105812001	10/06	A-15

DATE DRILLED 09/12/06 BORING NO. NM03-B10

GROUND ELEVATION 43 m ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING .20 meter Diameter Hollow-Stem Auger (Tri-County)

DRIVE WEIGHT 64 kg (140 lbs.[Auto Trip]) DROP 0.76 m (30")

SAMPLED BY MLF LOGGED BY MLF REVIEWED BY WSS

DEPTH (feet)	DEPTH (meters)	SAMPLES Bulk	SAMPLES Driven	BLOWS/30 cms (blows/foot)	MOISTURE	DRY UNIT WEIGHT kN/m³ (pcf)	PID READING (ppm)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
	0						0.0		SM	FILL: Reddish yellow, dry, medium dense, silty fine to medium SAND; indurated 1/8" clasts; tree roots.
	1									
5			◤	50/5"			0.0		SM	TERRACE DEPOSITS (BAY POINT FORMATION): Dark brown, dry, very dense, silty fine to medium SAND.
	2									
10	3	■					0.0			Reddish yellow.
	4									
15			◤	50/6"			0.0			
	5									
20	6		◤	50/5"			0.0			Indurated with 1/8" - 1/4" sub to very angular clasts.
	7									
25		■					0.0			
	8									
30	9	■					0.0			
	10									Total Depth = 9 meters bgs. Groundwater not encountered during drilling. Backfilled with 3.35 cubic meters hydrated bentonite grout from 9 to 0 meters bgs on 09/12/06.

REGISTERED GEOLOGIST
W. SCOTT SNYDER
No. 748
CERTIFIED HYDROGEOLOGIST
Exp. 08/08
STATE OF CALIFORNIA

Ninyo & Moore

BORING LOG

Interstate 5 Site Assessment
San Diego County, California

PROJECT NO.	DATE	FIGURE
105812001	10/06	A-16

DATE DRILLED 09/12/06 BORING NO. NM03-B11

GROUND ELEVATION 43 m ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 20 meters Diameter Hollow-Stem Auger (Tri-County)

DRIVE WEIGHT 63.5 kg (140 lbs.[Auto Trip]) DROP 0.76 m (30")

SAMPLED BY MLF LOGGED BY MLF REVIEWED BY WSS

DEPTH (feet)	DEPTH (meters)	SAMPLES Bulk	SAMPLES Driven	BLOWS/30 cms (blows/foot)	MOISTURE	DRY UNIT WEIGHT kN/m3 (pcf)	PID READING (ppm)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
	0						0.0		SM	FILL: Reddish yellow, dry, dense, silty medium to fine SAND; indurated with 1/8" clasts.
	1									
5			◤	50/3"			0.0			TERRACE DEPOSITS (BAY POINT FORMATION): Reddish yellow to dark brown, dry, dense, silty medium-grained SANDSTONE; micaceous.
	2									
10	3	■					0.0			No recovery; sample with jar from cuttings.
	4									
15			◤	50/5"			0.0			Pink to reddish brown; very dense; silty medium- to coarse-grained well graded sandstone; rounded to sub-angular.
	5									
20	6	■					0.0			Reddish yellow; no recovery; sample with jar from soil cuttings.
	7									Total Depth = 6.25 meters bgs. Groundwater not encountered during drilling. Backfilled with 2.13 cubic meters hydrated bentonite grout from 6.25 to 0 meters bgs on 09/12/06.
25	8									
30	9									
	10									

REGISTERED GEOLOGIST W. SCOTT SNYDER No. 743 CERTIFIED HYDROGEOLOGIST Exp. 08/08 STATE OF CALIFORNIA

Ninyo & Moore

BORING LOG

Interstate 5 Site Assessment
San Diego County, California

PROJECT NO.	DATE	FIGURE
105812001	10/06	A-17

KEY TO SYMBOLS

Symbol Description

Strata symbols

asphalt/concrete

Poorly graded sand

Silty sand (Qaf, Qal)

Sandstone

Siltstone

Well graded sand

Elastic silt

Silt

Gabbroic Rock or other intrusive igneous rock

Misc. Symbols

Groundwater encountered during drilling.

Soil Samplers

Standard Penetration Test (SPT)

California sampler

Ninyo & Moore

Boring Abandonment Field Log

Project #:	**105812001**
Boring ID: **NM03-B1**	Permit No.: **LMON103849**
Date of Boring Abandonment:	
Backfill material:	bentonite grout
Total depth	**35 feet**
Volume of backfill material:	**12.0 cubic feet**
Surface completion material:	**Native soil from 0-2 feet bgs**
Volume of surface seal backfill material:	**0.7 cubic feet**
Observed by:	**Matt Fuller**

Project #:	**105812001**
Boring ID: **NM03-B2**	Permit No.: **LMON103849**
Date of Boring Abandonment:	
Backfill material:	bentonite grout
Total depth	**17 feet**
Volume of backfill material:	**5.8 cubic feet**
Surface completion material:	**Native soil from 0-2 feet bgs**
Volume of surface seal backfill material:	**0.7 cubic feet**
Observed by:	**Matt Fuller**

Project #:	**105812001**
Boring ID: **NM03-B3**	Permit No.: **LMON103849**
Date of Boring Abandonment:	
Backfill material:	bentonite grout
Total depth	**31 feet**
Volume of backfill material:	**10.6 cubic feet**
Surface completion material:	**Native soil from 0-2 feet bgs**
Volume of surface seal backfill material:	**0.7 cubic feet**
Observed by:	**Matt Fuller**

Ninyo & Moore

Boring Abandonment Field Log

Project #:	**105812001**
Boring ID: **NM03-B4**	Permit No.: **LMON103849**
Date of Boring Abandonment:	
Backfill material:	bentonite grout
Total depth	**26 feet**
Volume of backfill material:	**8.9 cubic feet**
Surface completion material:	**Native soil from 0-2 feet bgs**
Volume of surface seal backfill material:	**0.7 cubic feet**
Observed by:	**Matt Fuller**

Project #:	**105812001**
Boring ID: **NM03-B5**	Permit No.: **LMON103849**
Date of Boring Abandonment:	
Backfill material:	bentonite grout
Total depth	**26 feet**
Volume of backfill material:	**8.9 cubic feet**
Surface completion material:	**Native soil from 0-2 feet bgs**
Volume of surface seal backfill material:	**0.7 cubic feet**
Observed by:	**Matt Fuller**

Project #:	**105812001**
Boring ID: **NM03-B6**	Permit No.: **LMON103849**
Date of Boring Abandonment:	
Backfill material:	bentonite grout
Total depth	**19 feet**
Volume of backfill material:	**6.5 cubic feet**
Surface completion material:	**Native soil from 0-2 feet bgs**
Volume of surface seal backfill material:	**0.7 cubic feet**
Observed by:	**Matt Fuller**

Ninyo & Moore

Boring Abandonment Field Log

Project #:	**105812001**
Boring ID: **NM03-B7**	Permit No.: **LMON103849**
Date of Boring Abandonment:	
Backfill material:	bentonite grout
Total depth	**59 feet**
Volume of backfill material:	**20.2 cubic feet**
Surface completion material:	**Native soil from 0-2 feet bgs**
Volume of surface seal backfill material:	**0.7 cubic feet**
Observed by:	**Matt Fuller**

Project #:	**105812001**
Boring ID: **NM03-B8**	Permit No.: **LMON103849**
Date of Boring Abandonment:	
Backfill material:	bentonite grout
Total depth	**23 feet**
Volume of backfill material:	**7.9 cubic feet**
Surface completion material:	**Native soil from 0-2 feet bgs**
Volume of surface seal backfill material:	**0.7 cubic feet**
Observed by:	**Matt Fuller**

Project #:	**105812001**
Boring ID: **NM03-B9**	Permit No.: **LMON103849**
Date of Boring Abandonment:	
Backfill material:	bentonite grout
Total depth	**100 feet**
Volume of backfill material:	**34.2 cubic feet**
Surface completion material:	**Native soil from 0-2 feet bgs**
Volume of surface seal backfill material:	**0.7 cubic feet**
Observed by:	**Matt Fuller**

Ninyo & Moore

Boring Abandonment Field Log

Project #:	**105812001**
Boring ID: **NM03-B10**	Permit No.: **LMON103849**
Date of Boring Abandonment:	
Backfill material:	bentonite grout
Total depth	**30 feet**
Volume of backfill material:	**10.3 cubic feet**
Surface completion material:	**Native soil from 0-2 feet bgs**
Volume of surface seal backfill material:	**0.7 cubic feet**
Observed by:	**Matt Fuller**

Project #:	**105812001**
Boring ID: **NM03-B11**	Permit No.: **LMON103849**
Date of Boring Abandonment:	
Backfill material:	bentonite grout
Total depth	**20 feet**
Volume of backfill material:	**6.8 cubic feet**
Surface completion material:	**Native soil from 0-2 feet bgs**
Volume of surface seal backfill material:	**0.7 cubic feet**
Observed by:	**Matt Fuller**

APPENDIX B

GEOPHYSICAL SURVEY REPORT

SOUTHWEST
GEOPHYSICS, INC.
YOUR SUBSURFACE SOLUTION

October 20, 2006
Project No. 104015k/m

Mr. Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, California 92123-1013

Subject: Geophysical Evaluation
Interstate 5 Interchanges
San Diego, California

Dear Mr. Snyder:

In accordance with your authorization, we have performed geophysical surveys near several interchanges along Interstate 5 (I-5) in the north county of San Diego, California (Figure 1). Specifically, our surveys were conducted near the Mission Avenue, Oceanside Boulevard, Carlsbad Village, Tamarack Avenue, and Palomar Airport Road interchanges. The purpose of the surveys was to assess the presence of utilities at 14 proposed boring locations. Our services were conducted on March 16, April 7, April 17, and September 12, 2006. This report presents our survey methodology, equipment used, analysis, and findings.

Our scope of services for the project included performance of geophysical surveys in the areas of the proposed borings, analysis of the data obtained, and preparation of this letter-report presenting our findings. The geophysical evaluation included the use of a GSSI SIR 3000 ground penetrating radar (GPR) with a 400 MHz transducer, Geonics EM61 time domain instrument, Schonstedt GA-52C magnetic gradiometer, Fisher M-Scope TW6 pipe and cable locator, and RD4000 line tracer.

7438 Trade Street • San Diego • California 92121 • Telephone 858-527-0849 • Fax 858-527-0851

The proposed boring locations were selected by your office and marked in the field with paint and wooden stakes prior to our site visit (Figures 2a through 2c). The primary scope of our evaluation was to delineate subsurface utilities in roughly a 15-foot radius around each of the proposed soil boring locations. Traverses using the instruments described above were taken over each of the areas on random profiles, which were oriented to optimally recognize buried structures. In some cases where risers were present, the line tracer was used to trace out the lines. Our interpretation of the collected data took place in real time as the survey progressed, and the findings of our evaluation were marked on the ground surface and reported to you at the completion of the survey. It should also be noted that the depth of GPR penetration at the boring locations was fairly shallow (i.e., less than 3 feet). Therefore, nonmetallic lines at greater depths may not have been detected.

The results of our surveys indicate several utilities are located at or in the near vicinity of the proposed boreholes. As a result, some of the borings were relocated slightly (less than 10 feet) to avoid detected underground utilities. Accordingly, the proposed boring locations, as they are currently marked, are generally clear of underground utilities.

The field evaluation and geophysical analyses presented in this report have been conducted in general accordance with current practice and the standard of care exercised by consultants performing similar tasks in the project area. No warranty, expressed or implied, is made regarding the conclusions presented in this report. There is no evaluation detailed enough to reveal every subsurface condition. Variations may exist and conditions not observed or described in this report may be present. Uncertainties relative to subsurface conditions can be reduced through additional subsurface exploration. Additional subsurface surveying will be performed upon request.

Please note that our evaluation was limited to the assessment of the possible presence of detectable buried utilities, and that "USA" or "Dig Alert" should also be contacted prior to conducting subsurface exploration activities. In addition, we recommend that available utility plans/drawings of the project site be reviewed as appropriate.

Southwest Geophysics, Inc. should be contacted if the reader requires additional information or has questions regarding the content, interpretations presented, or completeness of this document. This report is intended exclusively for use by the client. Any use or reuse of this report by parties other than the client is undertaken at said parties' sole risk.

We appreciate the opportunity to be of service on this project. Should you have any questions related to this report, please contact the undersigned at your convenience.

Sincerely,
SOUTHWEST GEOPHYSICS, INC.

Patrick F. Lehrmann, R.Gp.
Principal Geologist/Geophysicist

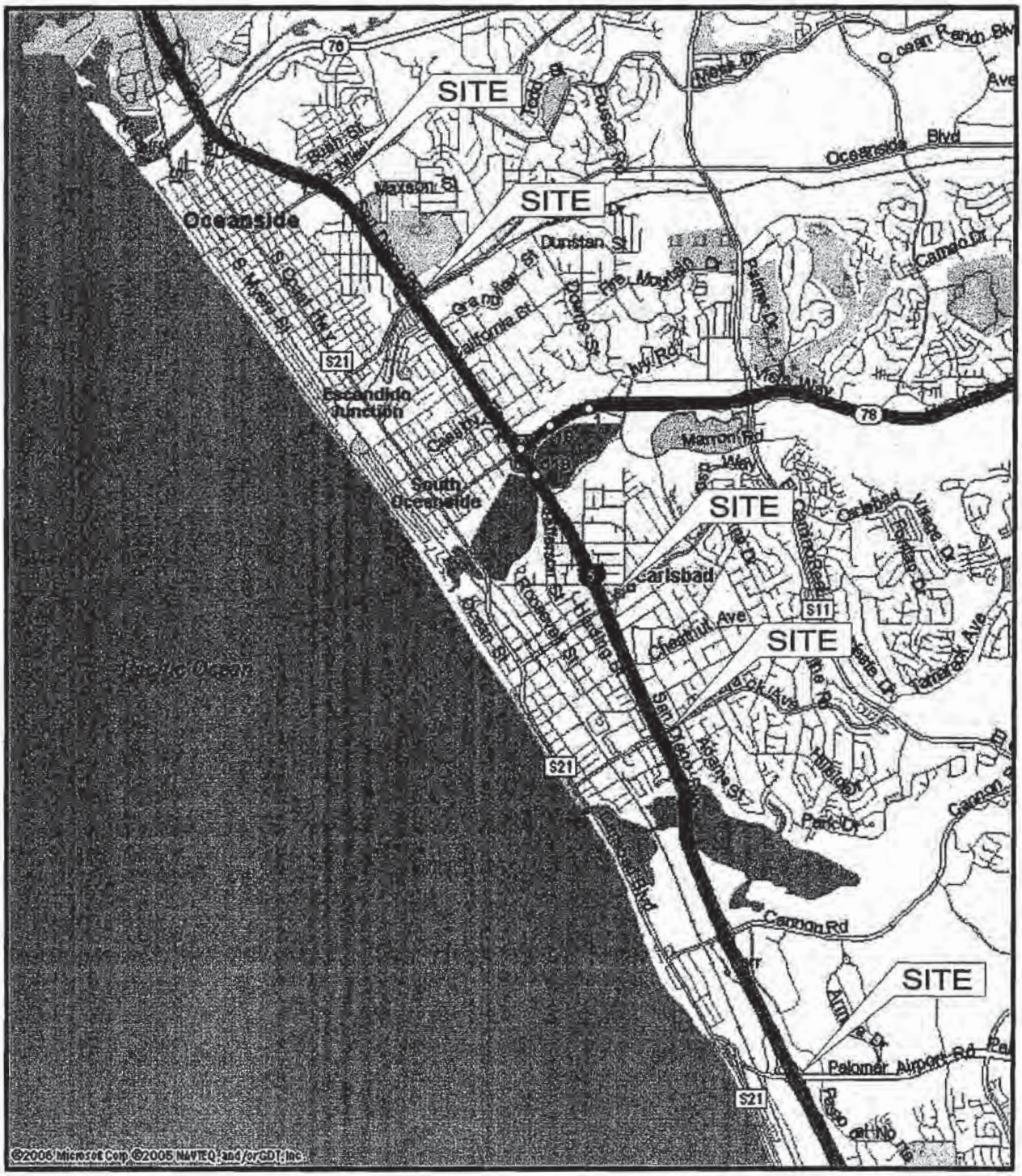
Hans van de Vrugt, C.E.G., R.Gp.
Principal Geologist/Geophysicist

REGISTERED GEOPHYSICIST
Hans van de Vrugt
No 1012
Exp. 2/21/08
STATE OF CALIFORNIA

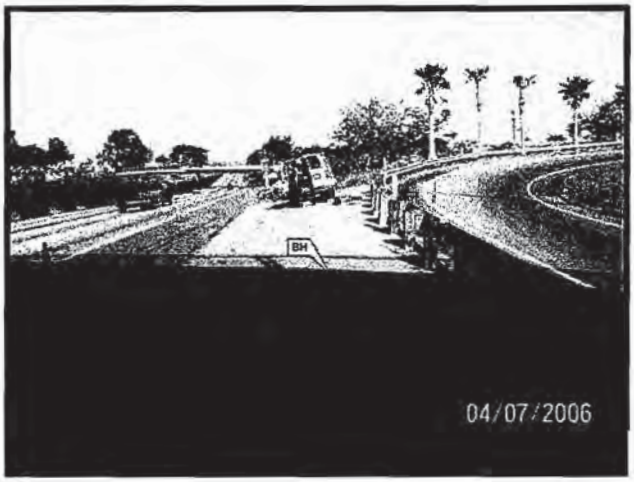
PFL/HV/hv

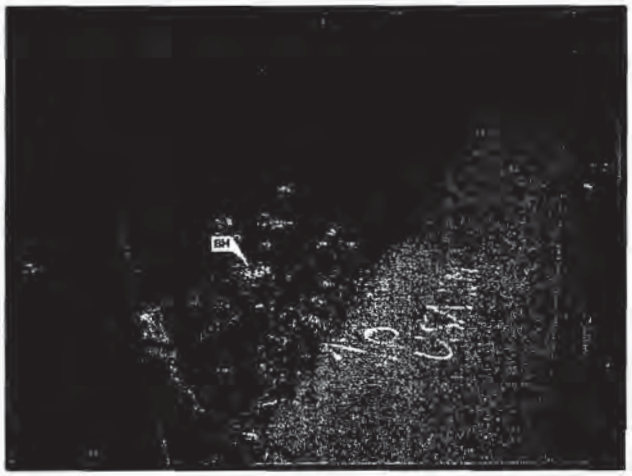
Attachments: Figure 1 – Site Location Map
Figures 2a through 2c – Site Photographs

Distribution: Addressee (electronic)



SITE LOCATION MAP	N	I-5 Interchanges San Diego, California	SOUTHWEST GEOPHYSICS, INC.
		Project No.: 104015k/m — Date: 10/06	Figure 1





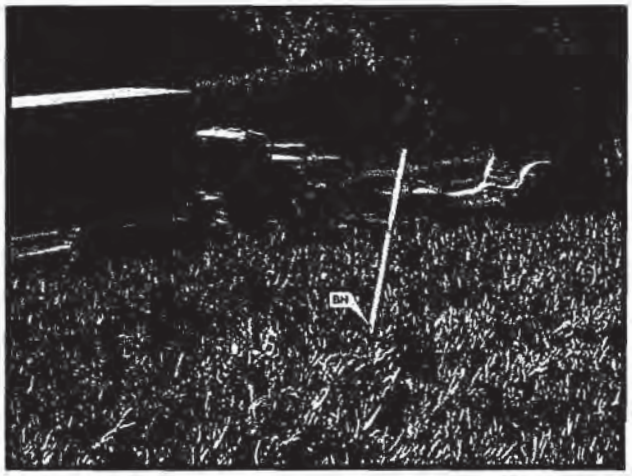
SITE PHOTOGRAPHS

I-5 Interchanges
San Diego, California

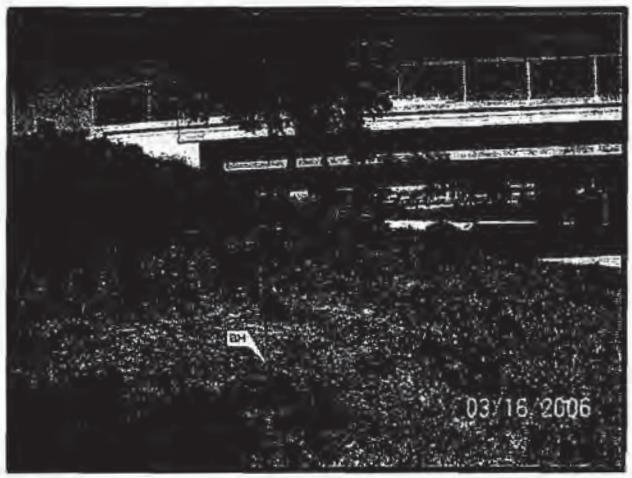
Project No.: 104015k/m | Date: 10/06

SOUTHWEST GEOPHYSICS INC.

Figure 2a



SITE PHOTOGRAPHS	I-5 Interchanges San Diego, California	SOUTHWEST GEOPHYSICS INC.
	Project No.: 104015k/m — Date: 10/06	Figure 2b



SITE PHOTOGRAPHS	I-5 Interchanges San Diego, California	SOUTHWEST GEOPHYSICS INC.
	Project No.: 104015k/m — Date: 10/06	Figure 2c

APPENDIX C

NON-HAZARDOUS WASTE MANIFEST

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No. 0609062

2. Page 1 of 1

3. Generator's Name and Mailing Address CALIFORNIA DEPARTMENT OF TRANSPORTATION
2929 JUAN ST.
SAN DIEGO, CA 92110

0609D603

4. Generator's Phone (619) 688-3146

5. Transporter 1 Company Name: OCEAN BLUE ENVIRONMENTAL

6. US EPA ID Number: CAD 983 608 258

A. State Transporter's ID

B. Transporter 1 Phone: (562) 624-4120

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
CROSBY AND OVERTON
1630 W. 17TH ST.
~~LONG BEACH, CA 90813~~

10. US EPA ID Number: CAD 028 409 019

E. State Facility's ID

F. Facility's Phone: (562) 432-5445

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. ~~NON-HAZARDOUS WASTE LIQUID (WATER)~~				
b. Non Hazardous Waste ~~Liquid~~ Solid (~~water~~) (soil)	004	DM	02000	P
c.				
d.				

G. Additional Descriptions for Materials Listed Above
11b. Profile#116-27983 4X55
~~PROFILE #53924~~

H. Handling Codes for Wastes Listed Above
b-14

15. Special Handling Instructions and Additional Information
OB JOB #
SITE: RAMONA
WEAR APPROPRIATE PPE WHEN HANDLING
EMERGENCY TELEPHONE NUMBER: (562) 624-4120 CONTACT: DON OSTRAND

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

GENERATOR

Printed/Typed Name: X Joel Kloth
Signature: X Joel Kloth
Date: Month X 06 Day 09 Year 06

17. Transporter 1 Acknowledgement of Receipt of Materials

TRANSPORTER

Printed/Typed Name: Tom Sherlock
Signature: Tom Sherlock
Date: Month 06 Day 09 Year 06

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name
Signature
Date: Month Day Year

19. Discrepancy Indication Space

FACILITY

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in Item 19.

Printed/Typed Name: JOSE R. SAENZ
Signature
Date: Month 06 Day 09 Year 06

NON-HAZARDOUS WASTE

NON-HAZARDOUS WASTE MANIFEST

06090602

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No. 061006

2. Page 1 of 1

3. Generator's Name and Mailing Address CALIFORNIA DEPARTMENT OF TRANSPORTATION
2929 JUAN ST.
SAN DIEGO, CA 92110

4. Generator's Phone (619) 688-3146

5. Transporter 1 Company Name: OCEAN BLUE ENVIRONMENTAL

6. US EPA ID Number: CAD 983 608 258

A. State Transporter's ID

B. Transporter 1 Phone (562) 624-4120

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
CROSBY AND OVERTON
1630 W. 17th ST.
LONG BEACH, CA 90813

10. US EPA ID Number: CAD 028 409 019

E. State Facility's ID

F. Facility's Phone (562) 432-5445

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. NON-HAZARDOUS WASTE SOLID (SOIL)	025	DM	12500	P
b. NON-HAZARDOUS WASTE LIQUID (WATER)	007	DM	00320	G
c.				
d.				

G. Additional Descriptions for Materials Listed Above
11A. PROFILE # 27983 25x55
11B. PROFILE # 53924 7x55

H. Handling Codes for Wastes Listed Above
A-14
b-15

15. Special Handling Instructions and Additional Information
OB JOB #
WEAR APPROPRIATE PPE WHEN HANDLING
EMERGENCY TELEPHONE NUMBER (562) 624-4120 CONTACT: DON OSTRAND

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: x Joel Kloth
Signature: x Joel Kloth
Date: Month Day Year x 06 09 06

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Trevor Hembers
Signature:
Date: Month Day Year 06 09 06

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.
Printed/Typed Name: JOSE R. SAENZ
Signature:
Date: Month Day Year 06 09 06

NON-HAZARDOUS WASTE

APPENDIX D

LABORATORY ANALYTICAL REPORTS

October 24, 2006

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 086619

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

RE: I-5 CALTRANS, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on September 13, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *24-Oct-06*

CLIENT: Ninyo & Moore
Lab Order: 086619
Project: I-5 CALTRANS, 105812001
Lab ID: 086619-008

Client Sample ID: NM03-B11-5.0
Collection Date: 9/12/2006 12:30:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
			WET DI/ EPA 6010B			
RunID: ICP6_061024B	QC Batch: R69470			PrepDate:		Analyst: **RQ**
Chromium	ND	0.10		mg/L	1	10/24/2006
ICP METALS BY STLC						
			WET/ EPA 6010B			
RunID: ICP6_061024A	QC Batch: R69468			PrepDate:		Analyst: **RQ**
Chromium	ND	1.0		mg/L	20	10/24/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *24-Oct-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B11-20.0
Lab Order:	086619	**Collection Date:**	9/12/2006 1:20:00 PM
Project:	I-5 CALTRANS, 105812001		
Lab ID:	086619-011	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
			WET DI/ EPA 6010B			
RunID: ICP6_061024B	QC Batch: R69470			PrepDate:		Analyst: **RQ**
Chromium	ND	0.10		mg/L	1	10/24/2006
ICP METALS BY STLC						
			WET/ EPA 6010B			
RunID: ICP6_061024A	QC Batch: R69468			PrepDate:		Analyst: **RQ**
Chromium	ND	1.0		mg/L	20	10/24/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 086619
Project: I-5 CALTRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_DI

Sample ID: **MB-31165A** SampType: **MBLK** TestCode: **6010_DI** Units: **mg/L** Prep Date: RunNo: **69470**
Client ID: **PBW** Batch ID: **R69470** TestNo: **WET DI/ EPA** Analysis Date: **10/24/2006** SeqNo: **1038263**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	ND	0.10									

Sample ID: **LCS-31165** SampType: **LCS** TestCode: **6010_DI** Units: **mg/L** Prep Date: RunNo: **69470**
Client ID: **LCSW** Batch ID: **R69470** TestNo: **WET DI/ EPA** Analysis Date: **10/24/2006** SeqNo: **1038264**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	1.053	0.10	1.000	0	105	85	115				

Sample ID: **086619-011ADUP** SampType: **DUP** TestCode: **6010_DI** Units: **mg/L** Prep Date: RunNo: **69470**
Client ID: **NM03-B11-20.0** Batch ID: **R69470** TestNo: **WET DI/ EPA** Analysis Date: **10/24/2006** SeqNo: **1038267**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.042	0.10						0.01967	0	20	

Sample ID: **086619-011AMS** SampType: **MS** TestCode: **6010_DI** Units: **mg/L** Prep Date: RunNo: **69470**
Client ID: **NM03-B11-20.0** Batch ID: **R69470** TestNo: **WET DI/ EPA** Analysis Date: **10/24/2006** SeqNo: **1038268**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	2.540	0.10	2.500	0.01967	101	83	115				

Sample ID: **086619-011AMSD** SampType: **MSD** TestCode: **6010_DI** Units: **mg/L** Prep Date: RunNo: **69470**
Client ID: **NM03-B11-20.0** Batch ID: **R69470** TestNo: **WET DI/ EPA** Analysis Date: **10/24/2006** SeqNo: **1038269**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	2.540	0.10	2.500	0.01967	101	83	115	2.540	0.00259	20	

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out
- E Value above quantitation range
- R RPD outside accepted recovery limits
- Calculations are based on raw values
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 086619
Project: I-5 CALTRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_ST

Sample ID: **MB-31154A** SampType: **MBLK** TestCode: **6010_ST** Units: **mg/L** Prep Date: RunNo: **69468**
Client ID: **PBS** Batch ID: **R69468** TestNo: **WET/ EPA 60** Analysis Date: **10/24/2006** SeqNo: **1038245**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	ND	0.050									

Sample ID: **LCS-31154** SampType: **LCS** TestCode: **6010_ST** Units: **mg/L** Prep Date: RunNo: **69468**
Client ID: **LCSS** Batch ID: **R69468** TestNo: **WET/ EPA 60** Analysis Date: **10/24/2006** SeqNo: **1038246**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	1.042	0.050	1.000	0	104	85	115				

Sample ID: **087409-009ADUP** SampType: **DUP** TestCode: **6010_ST** Units: **mg/L** Prep Date: RunNo: **69468**
Client ID: **ZZZZZZ** Batch ID: **R69468** TestNo: **WET/ EPA 60** Analysis Date: **10/24/2006** SeqNo: **1038260**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.504	1.0						0.5354	0	20	

Sample ID: **087409-009AMS** SampType: **MS** TestCode: **6010_ST** Units: **mg/L** Prep Date: RunNo: **69468**
Client ID: **ZZZZZZ** Batch ID: **R69468** TestNo: **WET/ EPA 60** Analysis Date: **10/24/2006** SeqNo: **1038261**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	2.845	1.0	2.500	0.5354	92.4	83	115				

Sample ID: **087409-009AMSD** SampType: **MSD** TestCode: **6010_ST** Units: **mg/L** Prep Date: RunNo: **69468**
Client ID: **ZZZZZZ** Batch ID: **R69468** TestNo: **WET/ EPA 60** Analysis Date: **10/24/2006** SeqNo: **1038262**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	2.923	1.0	2.500	0.5354	95.5	83	115	2.845	2.70	20	

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out
- E Value above quantitation range
- R RPD outside accepted recovery limits
- Calculations are based on raw values
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference

Rachelle Arada

From: Scott Snyder [ssnyder@ninyoandmoore.com]
Sent: Wednesday, October 18, 2006 2:29 PM
To: Rachelle Arada
Subject: additional metals analyses

Rachelle,

Can you please analyze the following samples:

NM03-B11-5.0'
NM03-B11-20'

for chromium by the WET method and by the WET method using DI water?

Also,

NM03-B10-5.0' for lead by the WET method and WET method using DI water?

Work Order 86619.

Thanks,
Scott

Scott Snyder, PG, HG
Senior Hydrogeologist
Ninyo & Moore
5710 Ruffin Road
San Diego, California 92122
858.576.1000 x1255

Rachelle Arada

From: Scott Snyder [ssnyder@ninyoandmoore.com]
Sent: Tuesday, October 24, 2006 12:25 PM
To: Rachelle Arada
Subject: RE: additional metals analyses

No, we just send what we get and discard the rest. So nothing to do on that one. Just analyze the other samples.

Thanks,
Scott

-----Original Message-----
From: Rachelle Arada [mailto:Rachelle@atlglobal.com]
Sent: Tuesday, October 24, 2006 11:58 AM
To: Scott Snyder
Subject: RE: additional metals analyses

No, the brass tube is still here. Our sample control supervisor said that she remembered the sample being light. If you have sample that you kept there, we can pick it up and analyze that.

Thanks,
Rachelle

-----Original Message-----
From: Scott Snyder [mailto:ssnyder@ninyoandmoore.com]
Sent: Tuesday, October 24, 2006 11:27 AM
To: Rachelle Arada
Subject: RE: additional metals analyses

Was the sample disposed of? I don't see why you wouldn't have enough sample. Did we not provide enough? I guess I see no other option then if you have no sample. Correct?

-----Original Message-----
From: Rachelle Arada [mailto:Rachelle@atlglobal.com]
Sent: Tuesday, October 24, 2006 11:08 AM
To: Scott Snyder
Subject: RE: additional metals analyses

Hi Scott,

I was just informed by the lab that they don't have anymore sample left for NM03-B10-5.0. Please advise.

Thanks,
Rachelle

-----Original Message-----
From: Scott Snyder [mailto:ssnyder@ninyoandmoore.com]
Sent: Wednesday, October 18, 2006 2:29 PM
To: Rachelle Arada
Subject: additional metals analyses

Rachelle,

Can you please analyze the following samples:

NM03-B11-5.0'
NM03-B11-20'

for chromium by the WET method and by the WET method using DI water?

Also,

NM03-B10-5.0' for lead by the WET method and WET method using DI water?

Work Order 86619.

Thanks,
Scott

Scott Snyder, PG, HG
Senior Hydrogeologist
Ninyo & Moore
5710 Ruffin Road
San Diego, California 92122
858.576.1000 x1255

September 25, 2006

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 086619

RE: I-5 CALTRANS, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on September 13, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

for Eddie H. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *25-Sep-06*

CLIENT: Ninyo & Moore
Project: I-5 CALTRANS, 105812001
Lab Order: 086619
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
086619-001A	NM03-Trip-01	Water	9/12/2006	9/13/2006	9/25/2006
086619-002A	NM03-B10-5.0	Soil	9/12/2006	9/13/2006	9/25/2006
086619-003A	NM03-B10-10.0	Soil	9/12/2006	9/13/2006	9/25/2006
086619-004A	NM03-B10-15.0	Soil	9/12/2006	9/13/2006	9/25/2006
086619-005A	NM03-B10-20.0	Soil	9/12/2006	9/13/2006	9/25/2006
086619-006A	NM03-B10-25.0	Soil	9/12/2006	9/13/2006	9/25/2006
086619-007A	NM03-B10-30.0	Soil	9/12/2006	9/13/2006	9/25/2006
086619-008A	NM03-B11-5.0	Soil	9/12/2006	9/13/2006	9/25/2006
086619-009A	NM03-B11-10.0	Soil	9/12/2006	9/13/2006	9/25/2006
086619-010A	NM03-B11-15.0	Soil	9/12/2006	9/13/2006	9/25/2006
086619-011A	NM03-B11-20.0	Soil	9/12/2006	9/13/2006	9/25/2006
086619-012A	NM03-Equip-01	Water	9/12/2006	9/13/2006	9/25/2006
086619-012B	NM03-Equip-01	Water	9/12/2006	9/13/2006	9/25/2006
086619-012C	NM03-Equip-01	Water	9/12/2006	9/13/2006	9/25/2006
086619-012D	NM03-Equip-01	Water	9/12/2006	9/13/2006	9/25/2006

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CASE NARRATIVE

Analytical Comments for EPA 6010B

Sample 086625-005CMSD and 086625-005CMS, Matrix Spike (MS) and /or Matrix Spike Duplicate (MSD) are outside recovery criteria; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

Analytical Comments for EPA 7471A

RPD is outside criteria for sample 086817-004A-MSD; however, the Laboratory Control Sample (LCS) validated the analytical batch.

Analytical Comments for EPA 8260B

Samples 086619-002A and 086619-005A spike/surrogate outside of limits due to sample matrix.

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *25-Sep-06*

CLIENT: Ninyo & Moore
Lab Order: 086619
Project: I-5 CALTRANS, 105812001
Lab ID: 086619-001

Client Sample ID: NM03-Trip-01
Collection Date: 9/12/2006 9:00:00 AM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060915A	QC Batch:	Q06VW152			PrepDate:	Analyst: **HH**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	9/15/2006
1,1,1-Trichloroethane	ND	5.0		µg/L	1	9/15/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	9/15/2006
1,1,2-Trichloroethane	ND	5.0		µg/L	1	9/15/2006
1,1-Dichloroethane	ND	5.0		µg/L	1	9/15/2006
1,1-Dichloroethene	ND	5.0		µg/L	1	9/15/2006
1,1-Dichloropropene	ND	5.0		µg/L	1	9/15/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/L	1	9/15/2006
1,2,3-Trichloropropane	ND	5.0		µg/L	1	9/15/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	9/15/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/L	1	9/15/2006
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	9/15/2006
1,2-Dibromoethane	ND	5.0		µg/L	1	9/15/2006
1,2-Dichlorobenzene	ND	5.0		µg/L	1	9/15/2006
1,2-Dichloroethane	ND	5.0		µg/L	1	9/15/2006
1,2-Dichloropropane	ND	5.0		µg/L	1	9/15/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	9/15/2006
1,3-Dichlorobenzene	ND	5.0		µg/L	1	9/15/2006
1,3-Dichloropropane	ND	5.0		µg/L	1	9/15/2006
1,4-Dichlorobenzene	ND	5.0		µg/L	1	9/15/2006
2,2-Dichloropropane	ND	5.0		µg/L	1	9/15/2006
2-Chlorotoluene	ND	5.0		µg/L	1	9/15/2006
4-Chlorotoluene	ND	5.0		µg/L	1	9/15/2006
4-Isopropyltoluene	ND	5.0		µg/L	1	9/15/2006
Benzene	ND	5.0		µg/L	1	9/15/2006
Bromobenzene	ND	5.0		µg/L	1	9/15/2006
Bromodichloromethane	ND	5.0		µg/L	1	9/15/2006
Bromoform	ND	5.0		µg/L	1	9/15/2006
Bromomethane	ND	5.0		µg/L	1	9/15/2006
Carbon tetrachloride	ND	5.0		µg/L	1	9/15/2006
Chlorobenzene	ND	5.0		µg/L	1	9/15/2006
Chloroethane	ND	5.0		µg/L	1	9/15/2006
Chloroform	ND	5.0		µg/L	1	9/15/2006
Chloromethane	ND	5.0		µg/L	1	9/15/2006
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	9/15/2006
Dibromochloromethane	ND	5.0		µg/L	1	9/15/2006
Dibromomethane	ND	5.0		µg/L	1	9/15/2006
Dichlorodifluoromethane	ND	5.0		µg/L	1	9/15/2006

Qualifiers:
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out
- E Value above quantitation range
- ND Not Detected at the Reporting Limit

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *25-Sep-06*

CLIENT: Ninyo & Moore
Lab Order: 086619
Project: I-5 CALTRANS, 105812001
Lab ID: 086619-001

Client Sample ID: NM03-Trip-01
Collection Date: 9/12/2006 9:00:00 AM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060915A	QC Batch:	Q06VW152			PrepDate:	Analyst: **HH**
Ethylbenzene	ND	5.0		µg/L	1	9/15/2006
Hexachlorobutadiene	ND	5.0		µg/L	1	9/15/2006
Isopropylbenzene	ND	5.0		µg/L	1	9/15/2006
m,p-Xylene	ND	10		µg/L	1	9/15/2006
Methylene chloride	ND	5.0		µg/L	1	9/15/2006
n-Butylbenzene	ND	5.0		µg/L	1	9/15/2006
n-Propylbenzene	ND	5.0		µg/L	1	9/15/2006
Naphthalene	ND	5.0		µg/L	1	9/15/2006
o-Xylene	ND	5.0		µg/L	1	9/15/2006
sec-Butylbenzene	ND	5.0		µg/L	1	9/15/2006
Styrene	ND	5.0		µg/L	1	9/15/2006
tert-Butylbenzene	ND	5.0		µg/L	1	9/15/2006
Tetrachloroethene	ND	5.0		µg/L	1	9/15/2006
Toluene	ND	5.0		µg/L	1	9/15/2006
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	9/15/2006
Trichloroethene	ND	5.0		µg/L	1	9/15/2006
Trichlorofluoromethane	ND	5.0		µg/L	1	9/15/2006
Vinyl chloride	ND	5.0		µg/L	1	9/15/2006
Surr: 1,2-Dichloroethane-d4	106	74-132		%REC	1	9/15/2006
Surr: 4-Bromofluorobenzene	93.0	72-121		%REC	1	9/15/2006
Surr: Dibromofluoromethane	110	72-132		%REC	1	9/15/2006
Surr: Toluene-d8	104	80-124		%REC	1	9/15/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *25-Sep-06*

CLIENT: Ninyo & Moore
Lab Order: 086619
Project: I-5 CALTRANS, 105812001
Lab ID: 086619-002

Client Sample ID: NM03-B10-5.0
Collection Date: 9/12/2006 9:55:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP6_060922D	QC Batch: 30485			PrepDate:	9/22/2006	Analyst: **RQ**
Antimony	ND	8.0		mg/Kg	1	9/22/2006
Arsenic	ND	4.0		mg/Kg	1	9/22/2006
Barium	84	4.0		mg/Kg	1	9/22/2006
Beryllium	ND	4.0		mg/Kg	1	9/22/2006
Cadmium	ND	4.0		mg/Kg	1	9/22/2006
Chromium	39	4.0		mg/Kg	1	9/22/2006
Cobalt	24	4.0		mg/Kg	1	9/22/2006
Copper	40	8.0		mg/Kg	1	9/22/2006
Lead	58	4.0		mg/Kg	1	9/22/2006
Molybdenum	ND	4.0		mg/Kg	1	9/22/2006
Nickel	24	4.0		mg/Kg	1	9/22/2006
Selenium	ND	4.0		mg/Kg	1	9/22/2006
Silver	ND	4.0		mg/Kg	1	9/22/2006
Thallium	ND	4.0		mg/Kg	1	9/22/2006
Vanadium	43	4.0		mg/Kg	1	9/22/2006
Zinc	160	4.0		mg/Kg	1	9/22/2006
PCBS BY GC/ECD						
	EPA 3550B			**EPA 8082**		
RunID: GC4_060918A	QC Batch: 30335			PrepDate:	9/18/2006	Analyst: **VLT**
Aroclor 1016	ND	16		µg/Kg	1	9/18/2006
Aroclor 1221	ND	33		µg/Kg	1	9/18/2006
Aroclor 1232	ND	16		µg/Kg	1	9/18/2006
Aroclor 1242	ND	16		µg/Kg	1	9/18/2006
Aroclor 1248	ND	16		µg/Kg	1	9/18/2006
Aroclor 1254	ND	16		µg/Kg	1	9/18/2006
Aroclor 1260	ND	16		µg/Kg	1	9/18/2006
Aroclor 1262	ND	16		µg/Kg	1	9/18/2006
Aroclor 1268	ND	16		µg/Kg	1	9/18/2006
Surr: Decachlorobiphenyl	79.5	55-124		%REC	1	9/18/2006
Surr: Tetrachloro-m-xylene	90.9	74-132		%REC	1	9/18/2006
MERCURY BY COLD VAPOR TECHNIQUE						
	EPA 7471			**EPA 7471A**		
RunID: AA1_060921A	QC Batch: 30350			PrepDate:	9/21/2006	Analyst: **NS**
Mercury	ND	0.10		mg/Kg	1	9/21/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *25-Sep-06*

CLIENT: Ninyo & Moore
Lab Order: 086619
Project: I-5 CALTRANS, 105812001
Lab ID: 086619-002

Client Sample ID: NM03-B10-5.0
Collection Date: 9/12/2006 9:55:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060921A	QC Batch: R06VS200			PrepDate:		Analyst: **TT**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1	9/21/2006
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	9/21/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	9/21/2006
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	9/21/2006
1,1-Dichloroethane	ND	5.0		µg/Kg	1	9/21/2006
1,1-Dichloroethene	ND	5.0		µg/Kg	1	9/21/2006
1,1-Dichloropropene	ND	5.0		µg/Kg	1	9/21/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1	9/21/2006
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1	9/21/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1	9/21/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1	9/21/2006
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1	9/21/2006
1,2-Dibromoethane	ND	5.0		µg/Kg	1	9/21/2006
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1	9/21/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	9/21/2006
1,2-Dichloropropane	ND	5.0		µg/Kg	1	9/21/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1	9/21/2006
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1	9/21/2006
1,3-Dichloropropane	ND	5.0		µg/Kg	1	9/21/2006
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1	9/21/2006
2,2-Dichloropropane	ND	5.0		µg/Kg	1	9/21/2006
2-Chlorotoluene	ND	5.0		µg/Kg	1	9/21/2006
4-Chlorotoluene	ND	5.0		µg/Kg	1	9/21/2006
4-Isopropyltoluene	ND	5.0		µg/Kg	1	9/21/2006
Benzene	ND	5.0		µg/Kg	1	9/21/2006
Bromobenzene	ND	5.0		µg/Kg	1	9/21/2006
Bromodichloromethane	ND	5.0		µg/Kg	1	9/21/2006
Bromoform	ND	5.0		µg/Kg	1	9/21/2006
Bromomethane	ND	5.0		µg/Kg	1	9/21/2006
Carbon tetrachloride	ND	5.0		µg/Kg	1	9/21/2006
Chlorobenzene	ND	5.0		µg/Kg	1	9/21/2006
Chloroethane	ND	5.0		µg/Kg	1	9/21/2006
Chloroform	ND	5.0		µg/Kg	1	9/21/2006
Chloromethane	ND	5.0		µg/Kg	1	9/21/2006
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	9/21/2006
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	9/21/2006
Dibromochloromethane	ND	5.0		µg/Kg	1	9/21/2006
Dibromomethane	ND	5.0		µg/Kg	1	9/21/2006

Qualifiers:
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out
- E Value above quantitation range
- ND Not Detected at the Reporting Limit

Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: *25-Sep-06*

CLIENT: Ninyo & Moore
Lab Order: 086619
Project: I-5 CALTRANS, 105812001
Lab ID: 086619-002

Client Sample ID: NM03-B10-5.0
Collection Date: 9/12/2006 9:55:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060921A	QC Batch: R06VS200			PrepDate:		Analyst: **TT**
Dichlorodifluoromethane	ND	5.0		µg/Kg	1	9/21/2006
Ethylbenzene	ND	5.0		µg/Kg	1	9/21/2006
Hexachlorobutadiene	ND	5.0		µg/Kg	1	9/21/2006
Isopropylbenzene	ND	5.0		µg/Kg	1	9/21/2006
m,p-Xylene	ND	10		µg/Kg	1	9/21/2006
Methylene chloride	46	5.0		µg/Kg	1	9/21/2006
n-Butylbenzene	ND	5.0		µg/Kg	1	9/21/2006
n-Propylbenzene	ND	5.0		µg/Kg	1	9/21/2006
Naphthalene	ND	5.0		µg/Kg	1	9/21/2006
o-Xylene	ND	5.0		µg/Kg	1	9/21/2006
sec-Butylbenzene	ND	5.0		µg/Kg	1	9/21/2006
Styrene	ND	5.0		µg/Kg	1	9/21/2006
tert-Butylbenzene	ND	5.0		µg/Kg	1	9/21/2006
Tetrachloroethene	ND	5.0		µg/Kg	1	9/21/2006
Toluene	ND	5.0		µg/Kg	1	9/21/2006
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	9/21/2006
Trichloroethene	ND	5.0		µg/Kg	1	9/21/2006
Trichlorofluoromethane	ND	5.0		µg/Kg	1	9/21/2006
Vinyl chloride	ND	5.0		µg/Kg	1	9/21/2006
Surr: 1,2-Dichloroethane-d4	136	44-157		%REC	1	9/21/2006
Surr: 4-Bromofluorobenzene	56.8	69-129	S	%REC	1	9/21/2006
Surr: Dibromofluoromethane	120	55-154		%REC	1	9/21/2006
Surr: Toluene-d8	89.2	80-128		%REC	1	9/21/2006
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
	EPA 3550B			**EPA 8270C**		
RunID: MS7_060915A	QC Batch: 30318			PrepDate: 9/15/2006		Analyst: **MFR**
1,2,4-Trichlorobenzene	ND	330		µg/Kg	1	9/18/2006
1,2-Dichlorobenzene	ND	330		µg/Kg	1	9/18/2006
1,3-Dichlorobenzene	ND	330		µg/Kg	1	9/18/2006
1,4-Dichlorobenzene	ND	330		µg/Kg	1	9/18/2006
2,4,5-Trichlorophenol	ND	330		µg/Kg	1	9/18/2006
2,4,6-Trichlorophenol	ND	330		µg/Kg	1	9/18/2006
2,4-Dichlorophenol	ND	1600		µg/Kg	1	9/18/2006
2,4-Dimethylphenol	ND	330		µg/Kg	1	9/18/2006
2,4-Dinitrophenol	ND	1600		µg/Kg	1	9/18/2006
2,4-Dinitrotoluene	ND	330		µg/Kg	1	9/18/2006
2,6-Dinitrotoluene	ND	330		µg/Kg	1	9/18/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *25-Sep-06*

CLIENT: Ninyo & Moore
Lab Order: 086619
Project: I-5 CALTRANS, 105812001
Lab ID: 086619-002

Client Sample ID: NM03-B10-5.0
Collection Date: 9/12/2006 9:55:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS7_060915A	QC Batch: 30318				PrepDate: 9/15/2006	Analyst: **MFR**
2-Chloronaphthalene	ND	330		µg/Kg	1	9/18/2006
2-Chlorophenol	ND	330		µg/Kg	1	9/18/2006
2-Methylnaphthalene	ND	330		µg/Kg	1	9/18/2006
2-Methylphenol	ND	330		µg/Kg	1	9/18/2006
2-Nitroaniline	ND	1600		µg/Kg	1	9/18/2006
2-Nitrophenol	ND	330		µg/Kg	1	9/18/2006
3,3´-Dichlorobenzidine	ND	660		µg/Kg	1	9/18/2006
3-Nitroaniline	ND	1600		µg/Kg	1	9/18/2006
4,6-Dinitro-2-methylphenol	ND	1600		µg/Kg	1	9/18/2006
4-Bromophenyl-phenylether	ND	330		µg/Kg	1	9/18/2006
4-Chloro-3-methylphenol	ND	660		µg/Kg	1	9/18/2006
4-Chloroaniline	ND	660		µg/Kg	1	9/18/2006
4-Chlorophenyl-phenylether	ND	330		µg/Kg	1	9/18/2006
4-Methylphenol	ND	330		µg/Kg	1	9/18/2006
4-Nitroaniline	ND	1600		µg/Kg	1	9/18/2006
4-Nitrophenol	ND	1600		µg/Kg	1	9/18/2006
Acenaphthene	ND	330		µg/Kg	1	9/18/2006
Acenaphthylene	ND	330		µg/Kg	1	9/18/2006
Anthracene	ND	330		µg/Kg	1	9/18/2006
Benzidine (M)	ND	1600		µg/Kg	1	9/18/2006
Benzo(a)anthracene	ND	330		µg/Kg	1	9/18/2006
Benzo(a)pyrene	ND	330		µg/Kg	1	9/18/2006
Benzo(b)fluoranthene	ND	330		µg/Kg	1	9/18/2006
Benzo(g,h,i)perylene	ND	330		µg/Kg	1	9/18/2006
Benzo(k)fluoranthene	ND	330		µg/Kg	1	9/18/2006
Benzoic acid	ND	1600		µg/Kg	1	9/18/2006
Benzyl alcohol	ND	660		µg/Kg	1	9/18/2006
Bis(2-chloroethoxy)methane	ND	330		µg/Kg	1	9/18/2006
Bis(2-chloroethyl)ether	ND	330		µg/Kg	1	9/18/2006
Bis(2-chloroisopropyl)ether	ND	330		µg/Kg	1	9/18/2006
Bis(2-ethylhexyl)phthalate	4300	330		µg/Kg	1	9/18/2006
Butylbenzylphthalate	ND	330		µg/Kg	1	9/18/2006
Chrysene	ND	330		µg/Kg	1	9/18/2006
Di-n-butylphthalate	ND	330		µg/Kg	1	9/18/2006
Di-n-octylphthalate	ND	330		µg/Kg	1	9/18/2006
Dibenz(a,h)anthracene	ND	330		µg/Kg	1	9/18/2006
Dibenzofuran	ND	330		µg/Kg	1	9/18/2006
Diethylphthalate	ND	330		µg/Kg	1	9/18/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *25-Sep-06*

CLIENT: Ninyo & Moore
Lab Order: 086619
Project: I-5 CALTRANS, 105812001
Lab ID: 086619-002

Client Sample ID: NM03-B10-5.0
Collection Date: 9/12/2006 9:55:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS7_060915A	QC Batch: 30318				PrepDate: 9/15/2006	Analyst: **MFR**
Dimethylphthalate	ND	330		µg/Kg	1	9/18/2006
Fluoranthene	ND	330		µg/Kg	1	9/18/2006
Fluorene	ND	330		µg/Kg	1	9/18/2006
Hexachlorobenzene	ND	330		µg/Kg	1	9/18/2006
Hexachlorobutadiene	ND	660		µg/Kg	1	9/18/2006
Hexachlorocyclopentadiene	ND	660		µg/Kg	1	9/18/2006
Hexachloroethane	ND	330		µg/Kg	1	9/18/2006
Indeno(1,2,3-cd)pyrene	ND	330		µg/Kg	1	9/18/2006
Isophorone	ND	330		µg/Kg	1	9/18/2006
N-Nitrosodi-n-propylamine	ND	330		µg/Kg	1	9/18/2006
N-Nitrosodiphenylamine	ND	330		µg/Kg	1	9/18/2006
Naphthalene	ND	330		µg/Kg	1	9/18/2006
Nitrobenzene	ND	330		µg/Kg	1	9/18/2006
Pentachlorophenol	ND	1600		µg/Kg	1	9/18/2006
Phenanthrene	ND	330		µg/Kg	1	9/18/2006
Phenol	ND	330		µg/Kg	1	9/18/2006
Pyrene	ND	330		µg/Kg	1	9/18/2006
Surr: 1,2-Dichlorobenzene-d4	70.4	37-108		%REC	1	9/18/2006
Surr: 2,4,6-Tribromophenol	122	49-140		%REC	1	9/18/2006
Surr: 2-Chlorophenol-d4	75.6	43-109		%REC	1	9/18/2006
Surr: 2-Fluorobiphenyl	82.0	47-112		%REC	1	9/18/2006
Surr: 2-Fluorophenol	71.2	41-106		%REC	1	9/18/2006
Surr: 4-Terphenyl-d14	114	30-136		%REC	1	9/18/2006
Surr: Nitrobenzene-d5	74.8	40-118		%REC	1	9/18/2006
Surr: Phenol-d5	73.7	42-112		%REC	1	9/18/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *25-Sep-06*

CLIENT: Ninyo & Moore
Lab Order: 086619
Project: I-5 CALTRANS, 105812001
Lab ID: 086619-003

Client Sample ID: NM03-B10-10.0
Collection Date: 9/12/2006 10:22:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP6_060922D	QC Batch: 30485			PrepDate:	9/22/2006	Analyst: **RQ**
Antimony	ND	2.0		mg/Kg	1	9/22/2006
Arsenic	ND	1.0		mg/Kg	1	9/22/2006
Barium	31	1.0		mg/Kg	1	9/22/2006
Beryllium	ND	1.0		mg/Kg	1	9/22/2006
Cadmium	ND	1.0		mg/Kg	1	9/22/2006
Chromium	46	1.0		mg/Kg	1	9/22/2006
Cobalt	13	1.0		mg/Kg	1	9/22/2006
Copper	30	2.0		mg/Kg	1	9/22/2006
Lead	2.4	1.0		mg/Kg	1	9/22/2006
Molybdenum	ND	1.0		mg/Kg	1	9/22/2006
Nickel	38	1.0		mg/Kg	1	9/22/2006
Selenium	ND	1.0		mg/Kg	1	9/22/2006
Silver	ND	1.0		mg/Kg	1	9/22/2006
Thallium	ND	1.0		mg/Kg	1	9/22/2006
Vanadium	38	1.0		mg/Kg	1	9/22/2006
Zinc	25	1.0		mg/Kg	1	9/22/2006
MERCURY BY COLD VAPOR TECHNIQUE						
	EPA 7471			**EPA 7471A**		
RunID: AA1_060921A	QC Batch: 30350			PrepDate:	9/21/2006	Analyst: **NS**
Mercury	ND	0.10		mg/Kg	1	9/21/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *25-Sep-06*

CLIENT: Ninyo & Moore
Lab Order: 086619
Project: I-5 CALTRANS, 105812001
Lab ID: 086619-004

Client Sample ID: NM03-B10-15.0
Collection Date: 9/12/2006 10:32:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP6_060922D	QC Batch: 30485			PrepDate:	9/22/2006	Analyst: **RQ**
Antimony	ND	2.0		mg/Kg	1	9/22/2006
Arsenic	ND	1.0		mg/Kg	1	9/22/2006
Barium	20	1.0		mg/Kg	1	9/22/2006
Beryllium	ND	1.0		mg/Kg	1	9/22/2006
Cadmium	ND	1.0		mg/Kg	1	9/22/2006
Chromium	38	1.0		mg/Kg	1	9/22/2006
Cobalt	11	1.0		mg/Kg	1	9/22/2006
Copper	32	2.0		mg/Kg	1	9/22/2006
Lead	4.6	1.0		mg/Kg	1	9/22/2006
Molybdenum	ND	1.0		mg/Kg	1	9/22/2006
Nickel	33	1.0		mg/Kg	1	9/22/2006
Selenium	ND	1.0		mg/Kg	1	9/22/2006
Silver	ND	1.0		mg/Kg	1	9/22/2006
Thallium	ND	1.0		mg/Kg	1	9/22/2006
Vanadium	32	1.0		mg/Kg	1	9/22/2006
Zinc	40	1.0		mg/Kg	1	9/22/2006
PCBS BY GC/ECD						
	EPA 3550B			**EPA 8082**		
RunID: GC4_060918A	QC Batch: 30335			PrepDate:	9/18/2006	Analyst: **VLT**
Aroclor 1016	ND	16		µg/Kg	1	9/18/2006
Aroclor 1221	ND	33		µg/Kg	1	9/18/2006
Aroclor 1232	ND	16		µg/Kg	1	9/18/2006
Aroclor 1242	ND	16		µg/Kg	1	9/18/2006
Aroclor 1248	ND	16		µg/Kg	1	9/18/2006
Aroclor 1254	ND	16		µg/Kg	1	9/18/2006
Aroclor 1260	ND	16		µg/Kg	1	9/18/2006
Aroclor 1262	ND	16		µg/Kg	1	9/18/2006
Aroclor 1268	ND	16		µg/Kg	1	9/18/2006
Surr: Decachlorobiphenyl	81.1	55-124		%REC	1	9/18/2006
Surr: Tetrachloro-m-xylene	88.4	74-132		%REC	1	9/18/2006
MERCURY BY COLD VAPOR TECHNIQUE						
	EPA 7471			**EPA 7471A**		
RunID: AA1_060921A	QC Batch: 30350			PrepDate:	9/21/2006	Analyst: **NS**
Mercury	ND	0.10		mg/Kg	1	9/21/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *25-Sep-06*

CLIENT: Ninyo & Moore
Lab Order: 086619
Project: I-5 CALTRANS, 105812001
Lab ID: 086619-004

Client Sample ID: NM03-B10-15.0
Collection Date: 9/12/2006 10:32:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060921A	QC Batch: R06VS200			PrepDate:		Analyst: **TT**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1	9/21/2006
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	9/21/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	9/21/2006
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	9/21/2006
1,1-Dichloroethane	ND	5.0		µg/Kg	1	9/21/2006
1,1-Dichloroethene	ND	5.0		µg/Kg	1	9/21/2006
1,1-Dichloropropene	ND	5.0		µg/Kg	1	9/21/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1	9/21/2006
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1	9/21/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1	9/21/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1	9/21/2006
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1	9/21/2006
1,2-Dibromoethane	ND	5.0		µg/Kg	1	9/21/2006
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1	9/21/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	9/21/2006
1,2-Dichloropropane	ND	5.0		µg/Kg	1	9/21/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1	9/21/2006
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1	9/21/2006
1,3-Dichloropropane	ND	5.0		µg/Kg	1	9/21/2006
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1	9/21/2006
2,2-Dichloropropane	ND	5.0		µg/Kg	1	9/21/2006
2-Chlorotoluene	ND	5.0		µg/Kg	1	9/21/2006
4-Chlorotoluene	ND	5.0		µg/Kg	1	9/21/2006
4-Isopropyltoluene	ND	5.0		µg/Kg	1	9/21/2006
Benzene	ND	5.0		µg/Kg	1	9/21/2006
Bromobenzene	ND	5.0		µg/Kg	1	9/21/2006
Bromodichloromethane	ND	5.0		µg/Kg	1	9/21/2006
Bromoform	ND	5.0		µg/Kg	1	9/21/2006
Bromomethane	ND	5.0		µg/Kg	1	9/21/2006
Carbon tetrachloride	ND	5.0		µg/Kg	1	9/21/2006
Chlorobenzene	ND	5.0		µg/Kg	1	9/21/2006
Chloroethane	ND	5.0		µg/Kg	1	9/21/2006
Chloroform	ND	5.0		µg/Kg	1	9/21/2006
Chloromethane	ND	5.0		µg/Kg	1	9/21/2006
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	9/21/2006
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	9/21/2006
Dibromochloromethane	ND	5.0		µg/Kg	1	9/21/2006
Dibromomethane	ND	5.0		µg/Kg	1	9/21/2006

Qualifiers:
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- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out
- E Value above quantitation range
- ND Not Detected at the Reporting Limit

Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: *25-Sep-06*

CLIENT: Ninyo & Moore
Lab Order: 086619
Project: I-5 CALTRANS, 105812001
Lab ID: 086619-004

Client Sample ID: NM03-B10-15.0
Collection Date: 9/12/2006 10:32:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060921A	QC Batch: R06VS200			PrepDate:		Analyst: **TT**
Dichlorodifluoromethane	ND	5.0		µg/Kg	1	9/21/2006
Ethylbenzene	ND	5.0		µg/Kg	1	9/21/2006
Hexachlorobutadiene	ND	5.0		µg/Kg	1	9/21/2006
Isopropylbenzene	ND	5.0		µg/Kg	1	9/21/2006
m,p-Xylene	ND	10		µg/Kg	1	9/21/2006
Methylene chloride	ND	5.0		µg/Kg	1	9/21/2006
n-Butylbenzene	ND	5.0		µg/Kg	1	9/21/2006
n-Propylbenzene	ND	5.0		µg/Kg	1	9/21/2006
Naphthalene	ND	5.0		µg/Kg	1	9/21/2006
o-Xylene	ND	5.0		µg/Kg	1	9/21/2006
sec-Butylbenzene	ND	5.0		µg/Kg	1	9/21/2006
Styrene	ND	5.0		µg/Kg	1	9/21/2006
tert-Butylbenzene	ND	5.0		µg/Kg	1	9/21/2006
Tetrachloroethene	ND	5.0		µg/Kg	1	9/21/2006
Toluene	ND	5.0		µg/Kg	1	9/21/2006
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	9/21/2006
Trichloroethene	ND	5.0		µg/Kg	1	9/21/2006
Trichlorofluoromethane	ND	5.0		µg/Kg	1	9/21/2006
Vinyl chloride	ND	5.0		µg/Kg	1	9/21/2006
Surr: 1,2-Dichloroethane-d4	82.6	44-157		%REC	1	9/21/2006
Surr: 4-Bromofluorobenzene	87.6	69-129		%REC	1	9/21/2006
Surr: Dibromofluoromethane	89.8	55-154		%REC	1	9/21/2006
Surr: Toluene-d8	97.0	80-128		%REC	1	9/21/2006
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
	EPA 3550B			**EPA 8270C**		
RunID: MS7_060915A	QC Batch: 30318			PrepDate:	9/15/2006	Analyst: **MFR**
1,2,4-Trichlorobenzene	ND	330		µg/Kg	1	9/18/2006
1,2-Dichlorobenzene	ND	330		µg/Kg	1	9/18/2006
1,3-Dichlorobenzene	ND	330		µg/Kg	1	9/18/2006
1,4-Dichlorobenzene	ND	330		µg/Kg	1	9/18/2006
2,4,5-Trichlorophenol	ND	330		µg/Kg	1	9/18/2006
2,4,6-Trichlorophenol	ND	330		µg/Kg	1	9/18/2006
2,4-Dichlorophenol	ND	1600		µg/Kg	1	9/18/2006
2,4-Dimethylphenol	ND	330		µg/Kg	1	9/18/2006
2,4-Dinitrophenol	ND	1600		µg/Kg	1	9/18/2006
2,4-Dinitrotoluene	ND	330		µg/Kg	1	9/18/2006
2,6-Dinitrotoluene	ND	330		µg/Kg	1	9/18/2006

Qualifiers:
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- E — Value above quantitation range
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Advanced Technology Laboratories

Date: *25-Sep-06*

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Project: I-5 CALTRANS, 105812001
Lab ID: 086619-004

Client Sample ID: NM03-B10-15.0
Collection Date: 9/12/2006 10:32:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS7_060915A	QC Batch: 30318				PrepDate: 9/15/2006	Analyst: **MFR**
2-Chloronaphthalene	ND	330		µg/Kg	1	9/18/2006
2-Chlorophenol	ND	330		µg/Kg	1	9/18/2006
2-Methylnaphthalene	ND	330		µg/Kg	1	9/18/2006
2-Methylphenol	ND	330		µg/Kg	1	9/18/2006
2-Nitroaniline	ND	1600		µg/Kg	1	9/18/2006
2-Nitrophenol	ND	330		µg/Kg	1	9/18/2006
3,3´-Dichlorobenzidine	ND	660		µg/Kg	1	9/18/2006
3-Nitroaniline	ND	1600		µg/Kg	1	9/18/2006
4,6-Dinitro-2-methylphenol	ND	1600		µg/Kg	1	9/18/2006
4-Bromophenyl-phenylether	ND	330		µg/Kg	1	9/18/2006
4-Chloro-3-methylphenol	ND	660		µg/Kg	1	9/18/2006
4-Chloroaniline	ND	660		µg/Kg	1	9/18/2006
4-Chlorophenyl-phenylether	ND	330		µg/Kg	1	9/18/2006
4-Methylphenol	ND	330		µg/Kg	1	9/18/2006
4-Nitroaniline	ND	1600		µg/Kg	1	9/18/2006
4-Nitrophenol	ND	1600		µg/Kg	1	9/18/2006
Acenaphthene	ND	330		µg/Kg	1	9/18/2006
Acenaphthylene	ND	330		µg/Kg	1	9/18/2006
Anthracene	ND	330		µg/Kg	1	9/18/2006
Benzidine (M)	ND	1600		µg/Kg	1	9/18/2006
Benzo(a)anthracene	ND	330		µg/Kg	1	9/18/2006
Benzo(a)pyrene	ND	330		µg/Kg	1	9/18/2006
Benzo(b)fluoranthene	ND	330		µg/Kg	1	9/18/2006
Benzo(g,h,i)perylene	ND	330		µg/Kg	1	9/18/2006
Benzo(k)fluoranthene	ND	330		µg/Kg	1	9/18/2006
Benzoic acid	ND	1600		µg/Kg	1	9/18/2006
Benzyl alcohol	ND	660		µg/Kg	1	9/18/2006
Bis(2-chloroethoxy)methane	ND	330		µg/Kg	1	9/18/2006
Bis(2-chloroethyl)ether	ND	330		µg/Kg	1	9/18/2006
Bis(2-chloroisopropyl)ether	ND	330		µg/Kg	1	9/18/2006
Bis(2-ethylhexyl)phthalate	2400	330		µg/Kg	1	9/18/2006
Butylbenzylphthalate	ND	330		µg/Kg	1	9/18/2006
Chrysene	ND	330		µg/Kg	1	9/18/2006
Di-n-butylphthalate	ND	330		µg/Kg	1	9/18/2006
Di-n-octylphthalate	ND	330		µg/Kg	1	9/18/2006
Dibenz(a,h)anthracene	ND	330		µg/Kg	1	9/18/2006
Dibenzofuran	ND	330		µg/Kg	1	9/18/2006
Diethylphthalate	ND	330		µg/Kg	1	9/18/2006

Qualifiers:

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DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *25-Sep-06*

CLIENT: Ninyo & Moore
Lab Order: 086619
Project: I-5 CALTRANS, 105812001
Lab ID: 086619-004

Client Sample ID: NM03-B10-15.0
Collection Date: 9/12/2006 10:32:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS7_060915A	QC Batch: 30318				PrepDate: 9/15/2006	Analyst: **MFR**
Dimethylphthalate	ND	330		µg/Kg	1	9/18/2006
Fluoranthene	ND	330		µg/Kg	1	9/18/2006
Fluorene	ND	330		µg/Kg	1	9/18/2006
Hexachlorobenzene	ND	330		µg/Kg	1	9/18/2006
Hexachlorobutadiene	ND	660		µg/Kg	1	9/18/2006
Hexachlorocyclopentadiene	ND	660		µg/Kg	1	9/18/2006
Hexachloroethane	ND	330		µg/Kg	1	9/18/2006
Indeno(1,2,3-cd)pyrene	ND	330		µg/Kg	1	9/18/2006
Isophorone	ND	330		µg/Kg	1	9/18/2006
N-Nitrosodi-n-propylamine	ND	330		µg/Kg	1	9/18/2006
N-Nitrosodiphenylamine	ND	330		µg/Kg	1	9/18/2006
Naphthalene	ND	330		µg/Kg	1	9/18/2006
Nitrobenzene	ND	330		µg/Kg	1	9/18/2006
Pentachlorophenol	ND	1600		µg/Kg	1	9/18/2006
Phenanthrene	ND	330		µg/Kg	1	9/18/2006
Phenol	ND	330		µg/Kg	1	9/18/2006
Pyrene	ND	330		µg/Kg	1	9/18/2006
Surr: 1,2-Dichlorobenzene-d4	63.8	37-108		%REC	1	9/18/2006
Surr: 2,4,6-Tribromophenol	130	49-140		%REC	1	9/18/2006
Surr: 2-Chlorophenol-d4	71.5	43-109		%REC	1	9/18/2006
Surr: 2-Fluorobiphenyl	78.4	47-112		%REC	1	9/18/2006
Surr: 2-Fluorophenol	67.9	41-106		%REC	1	9/18/2006
Surr: 4-Terphenyl-d14	132	30-136		%REC	1	9/18/2006
Surr: Nitrobenzene-d5	68.7	40-118		%REC	1	9/18/2006
Surr: Phenol-d5	69.6	42-112		%REC	1	9/18/2006

Qualifiers:

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S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *25-Sep-06*

CLIENT: Ninyo & Moore
Lab Order: 086619
Project: I-5 CALTRANS, 105812001
Lab ID: 086619-005

Client Sample ID: NM03-B10-20.0
Collection Date: 9/12/2006 10:53:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP6_060922D	QC Batch: 30485			PrepDate:	9/22/2006	Analyst: **RQ**
Antimony	ND	2.0		mg/Kg	1	9/22/2006
Arsenic	ND	1.0		mg/Kg	1	9/22/2006
Barium	30	1.0		mg/Kg	1	9/22/2006
Beryllium	ND	1.0		mg/Kg	1	9/22/2006
Cadmium	ND	1.0		mg/Kg	1	9/22/2006
Chromium	47	1.0		mg/Kg	1	9/22/2006
Cobalt	12	1.0		mg/Kg	1	9/22/2006
Copper	31	2.0		mg/Kg	1	9/22/2006
Lead	9.5	1.0		mg/Kg	1	9/22/2006
Molybdenum	1.2	1.0		mg/Kg	1	9/22/2006
Nickel	34	1.0		mg/Kg	1	9/22/2006
Selenium	ND	1.0		mg/Kg	1	9/22/2006
Silver	ND	1.0		mg/Kg	1	9/22/2006
Thallium	ND	1.0		mg/Kg	1	9/22/2006
Vanadium	33	1.0		mg/Kg	1	9/22/2006
Zinc	72	1.0		mg/Kg	1	9/22/2006
PCBS BY GC/ECD						
	EPA 3550B			**EPA 8082**		
RunID: GC4_060918A	QC Batch: 30335			PrepDate:	9/18/2006	Analyst: **VLT**
Aroclor 1016	ND	16		µg/Kg	1	9/18/2006
Aroclor 1221	ND	33		µg/Kg	1	9/18/2006
Aroclor 1232	ND	16		µg/Kg	1	9/18/2006
Aroclor 1242	ND	16		µg/Kg	1	9/18/2006
Aroclor 1248	ND	16		µg/Kg	1	9/18/2006
Aroclor 1254	ND	16		µg/Kg	1	9/18/2006
Aroclor 1260	ND	16		µg/Kg	1	9/18/2006
Aroclor 1262	ND	16		µg/Kg	1	9/18/2006
Aroclor 1268	ND	16		µg/Kg	1	9/18/2006
Surr: Decachlorobiphenyl	85.8	55-124		%REC	1	9/18/2006
Surr: Tetrachloro-m-xylene	95.4	74-132		%REC	1	9/18/2006
MERCURY BY COLD VAPOR TECHNIQUE						
	EPA 7471			**EPA 7471A**		
RunID: AA1_060922G	QC Batch: 30500			PrepDate:	9/22/2006	Analyst: **NS**
Mercury	ND	0.10		mg/Kg	1	9/22/2006

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DO	Surrogate Diluted Out		

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Date: *25-Sep-06*

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Project: I-5 CALTRANS, 105812001
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Client Sample ID: NM03-B10-20.0
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Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060921A	QC Batch: R06VS200			PrepDate:		Analyst: **TT**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1	9/21/2006
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	9/21/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	9/21/2006
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	9/21/2006
1,1-Dichloroethane	ND	5.0		µg/Kg	1	9/21/2006
1,1-Dichloroethene	ND	5.0		µg/Kg	1	9/21/2006
1,1-Dichloropropene	ND	5.0		µg/Kg	1	9/21/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1	9/21/2006
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1	9/21/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1	9/21/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1	9/21/2006
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1	9/21/2006
1,2-Dibromoethane	ND	5.0		µg/Kg	1	9/21/2006
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1	9/21/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	9/21/2006
1,2-Dichloropropane	ND	5.0		µg/Kg	1	9/21/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1	9/21/2006
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1	9/21/2006
1,3-Dichloropropane	ND	5.0		µg/Kg	1	9/21/2006
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1	9/21/2006
2,2-Dichloropropane	ND	5.0		µg/Kg	1	9/21/2006
2-Chlorotoluene	ND	5.0		µg/Kg	1	9/21/2006
4-Chlorotoluene	ND	5.0		µg/Kg	1	9/21/2006
4-Isopropyltoluene	ND	5.0		µg/Kg	1	9/21/2006
Benzene	ND	5.0		µg/Kg	1	9/21/2006
Bromobenzene	ND	5.0		µg/Kg	1	9/21/2006
Bromodichloromethane	ND	5.0		µg/Kg	1	9/21/2006
Bromoform	ND	5.0		µg/Kg	1	9/21/2006
Bromomethane	ND	5.0		µg/Kg	1	9/21/2006
Carbon tetrachloride	ND	5.0		µg/Kg	1	9/21/2006
Chlorobenzene	ND	5.0		µg/Kg	1	9/21/2006
Chloroethane	ND	5.0		µg/Kg	1	9/21/2006
Chloroform	ND	5.0		µg/Kg	1	9/21/2006
Chloromethane	ND	5.0		µg/Kg	1	9/21/2006
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	9/21/2006
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	9/21/2006
Dibromochloromethane	ND	5.0		µg/Kg	1	9/21/2006
Dibromomethane	ND	5.0		µg/Kg	1	9/21/2006

Qualifiers:
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out
E Value above quantitation range
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Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *25-Sep-06*

CLIENT: Ninyo & Moore
Lab Order: 086619
Project: I-5 CALTRANS, 105812001
Lab ID: 086619-005

Client Sample ID: NM03-B10-20.0
Collection Date: 9/12/2006 10:53:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060921A	QC Batch: R06VS200			PrepDate:		Analyst: **TT**
Dichlorodifluoromethane	ND	5.0		µg/Kg	1	9/21/2006
Ethylbenzene	ND	5.0		µg/Kg	1	9/21/2006
Hexachlorobutadiene	ND	5.0		µg/Kg	1	9/21/2006
Isopropylbenzene	ND	5.0		µg/Kg	1	9/21/2006
m,p-Xylene	ND	10		µg/Kg	1	9/21/2006
Methylene chloride	ND	5.0		µg/Kg	1	9/21/2006
n-Butylbenzene	ND	5.0		µg/Kg	1	9/21/2006
n-Propylbenzene	ND	5.0		µg/Kg	1	9/21/2006
Naphthalene	ND	5.0		µg/Kg	1	9/21/2006
o-Xylene	ND	5.0		µg/Kg	1	9/21/2006
sec-Butylbenzene	ND	5.0		µg/Kg	1	9/21/2006
Styrene	ND	5.0		µg/Kg	1	9/21/2006
tert-Butylbenzene	ND	5.0		µg/Kg	1	9/21/2006
Tetrachloroethene	ND	5.0		µg/Kg	1	9/21/2006
Toluene	ND	5.0		µg/Kg	1	9/21/2006
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	9/21/2006
Trichloroethene	ND	5.0		µg/Kg	1	9/21/2006
Trichlorofluoromethane	ND	5.0		µg/Kg	1	9/21/2006
Vinyl chloride	ND	5.0		µg/Kg	1	9/21/2006
Surr: 1,2-Dichloroethane-d4	87.2	44-157		%REC	1	9/21/2006
Surr: 4-Bromofluorobenzene	65.7	69-129	S	%REC	1	9/21/2006
Surr: Dibromofluoromethane	95.5	55-154		%REC	1	9/21/2006
Surr: Toluene-d8	91.5	80-128		%REC	1	9/21/2006
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
	EPA 3550B			**EPA 8270C**		
RunID: MS7_060915A	QC Batch: 30318			PrepDate: 9/15/2006		Analyst: **MFR**
1,2,4-Trichlorobenzene	ND	330		µg/Kg	1	9/18/2006
1,2-Dichlorobenzene	ND	330		µg/Kg	1	9/18/2006
1,3-Dichlorobenzene	ND	330		µg/Kg	1	9/18/2006
1,4-Dichlorobenzene	ND	330		µg/Kg	1	9/18/2006
2,4,5-Trichlorophenol	ND	330		µg/Kg	1	9/18/2006
2,4,6-Trichlorophenol	ND	330		µg/Kg	1	9/18/2006
2,4-Dichlorophenol	ND	1600		µg/Kg	1	9/18/2006
2,4-Dimethylphenol	ND	330		µg/Kg	1	9/18/2006
2,4-Dinitrophenol	ND	1600		µg/Kg	1	9/18/2006
2,4-Dinitrotoluene	ND	330		µg/Kg	1	9/18/2006
2,6-Dinitrotoluene	ND	330		µg/Kg	1	9/18/2006

Qualifiers:
- B — Analyte detected in the associated Method Blank
- H — Holding times for preparation or analysis exceeded
- S — Spike/Surrogate outside of limits due to matrix interference
- DO — Surrogate Diluted Out
- E — Value above quantitation range
- ND — Not Detected at the Reporting Limit

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *25-Sep-06*

CLIENT: Ninyo & Moore
Lab Order: 086619
Project: I-5 CALTRANS, 105812001
Lab ID: 086619-005

Client Sample ID: NM03-B10-20.0
Collection Date: 9/12/2006 10:53:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS7_060915A	QC Batch: 30318				PrepDate: 9/15/2006	Analyst: **MFR**
2-Chloronaphthalene	ND	330		µg/Kg	1	9/18/2006
2-Chlorophenol	ND	330		µg/Kg	1	9/18/2006
2-Methylnaphthalene	ND	330		µg/Kg	1	9/18/2006
2-Methylphenol	ND	330		µg/Kg	1	9/18/2006
2-Nitroaniline	ND	1600		µg/Kg	1	9/18/2006
2-Nitrophenol	ND	330		µg/Kg	1	9/18/2006
3,3´-Dichlorobenzidine	ND	660		µg/Kg	1	9/18/2006
3-Nitroaniline	ND	1600		µg/Kg	1	9/18/2006
4,6-Dinitro-2-methylphenol	ND	1600		µg/Kg	1	9/18/2006
4-Bromophenyl-phenylether	ND	330		µg/Kg	1	9/18/2006
4-Chloro-3-methylphenol	ND	660		µg/Kg	1	9/18/2006
4-Chloroaniline	ND	660		µg/Kg	1	9/18/2006
4-Chlorophenyl-phenylether	ND	330		µg/Kg	1	9/18/2006
4-Methylphenol	ND	330		µg/Kg	1	9/18/2006
4-Nitroaniline	ND	1600		µg/Kg	1	9/18/2006
4-Nitrophenol	ND	1600		µg/Kg	1	9/18/2006
Acenaphthene	ND	330		µg/Kg	1	9/18/2006
Acenaphthylene	ND	330		µg/Kg	1	9/18/2006
Anthracene	ND	330		µg/Kg	1	9/18/2006
Benzidine (M)	ND	1600		µg/Kg	1	9/18/2006
Benzo(a)anthracene	ND	330		µg/Kg	1	9/18/2006
Benzo(a)pyrene	ND	330		µg/Kg	1	9/18/2006
Benzo(b)fluoranthene	ND	330		µg/Kg	1	9/18/2006
Benzo(g,h,i)perylene	ND	330		µg/Kg	1	9/18/2006
Benzo(k)fluoranthene	ND	330		µg/Kg	1	9/18/2006
Benzoic acid	ND	1600		µg/Kg	1	9/18/2006
Benzyl alcohol	ND	660		µg/Kg	1	9/18/2006
Bis(2-chloroethoxy)methane	ND	330		µg/Kg	1	9/18/2006
Bis(2-chloroethyl)ether	ND	330		µg/Kg	1	9/18/2006
Bis(2-chloroisopropyl)ether	ND	330		µg/Kg	1	9/18/2006
Bis(2-ethylhexyl)phthalate	2600	330		µg/Kg	1	9/18/2006
Butylbenzylphthalate	ND	330		µg/Kg	1	9/18/2006
Chrysene	ND	330		µg/Kg	1	9/18/2006
Di-n-butylphthalate	ND	330		µg/Kg	1	9/18/2006
Di-n-octylphthalate	ND	330		µg/Kg	1	9/18/2006
Dibenz(a,h)anthracene	ND	330		µg/Kg	1	9/18/2006
Dibenzofuran	ND	330		µg/Kg	1	9/18/2006
Diethylphthalate	ND	330		µg/Kg	1	9/18/2006

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- DO — Surrogate Diluted Out
- E — Value above quantitation range
- ND — Not Detected at the Reporting Limit

Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: *25-Sep-06*

CLIENT: Ninyo & Moore
Lab Order: 086619
Project: I-5 CALTRANS, 105812001
Lab ID: 086619-005

Client Sample ID: NM03-B10-20.0
Collection Date: 9/12/2006 10:53:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS7_060915A	QC Batch: 30318				PrepDate: 9/15/2006	Analyst: **MFR**
Dimethylphthalate	ND	330		µg/Kg	1	9/18/2006
Fluoranthene	ND	330		µg/Kg	1	9/18/2006
Fluorene	ND	330		µg/Kg	1	9/18/2006
Hexachlorobenzene	ND	330		µg/Kg	1	9/18/2006
Hexachlorobutadiene	ND	660		µg/Kg	1	9/18/2006
Hexachlorocyclopentadiene	ND	660		µg/Kg	1	9/18/2006
Hexachloroethane	ND	330		µg/Kg	1	9/18/2006
Indeno(1,2,3-cd)pyrene	ND	330		µg/Kg	1	9/18/2006
Isophorone	ND	330		µg/Kg	1	9/18/2006
N-Nitrosodi-n-propylamine	ND	330		µg/Kg	1	9/18/2006
N-Nitrosodiphenylamine	ND	330		µg/Kg	1	9/18/2006
Naphthalene	ND	330		µg/Kg	1	9/18/2006
Nitrobenzene	ND	330		µg/Kg	1	9/18/2006
Pentachlorophenol	ND	1600		µg/Kg	1	9/18/2006
Phenanthrene	ND	330		µg/Kg	1	9/18/2006
Phenol	ND	330		µg/Kg	1	9/18/2006
Pyrene	ND	330		µg/Kg	1	9/18/2006
Surr: 1,2-Dichlorobenzene-d4	73.3	37-108		%REC	1	9/18/2006
Surr: 2,4,6-Tribromophenol	115	49-140		%REC	1	9/18/2006
Surr: 2-Chlorophenol-d4	80.4	43-109		%REC	1	9/18/2006
Surr: 2-Fluorobiphenyl	85.8	47-112		%REC	1	9/18/2006
Surr: 2-Fluorophenol	76.0	41-106		%REC	1	9/18/2006
Surr: 4-Terphenyl-d14	90.5	30-136		%REC	1	9/18/2006
Surr: Nitrobenzene-d5	78.6	40-118		%REC	1	9/18/2006
Surr: Phenol-d5	81.0	42-112		%REC	1	9/18/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *25-Sep-06*

CLIENT: Ninyo & Moore
Lab Order: 086619
Project: I-5 CALTRANS, 105812001
Lab ID: 086619-006

Client Sample ID: NM03-B10-25.0
Collection Date: 9/12/2006 11:12:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP6_060922D	QC Batch: 30485			PrepDate:	9/22/2006	Analyst: **RQ**
Antimony	ND	2.0		mg/Kg	1	9/22/2006
Arsenic	ND	1.0		mg/Kg	1	9/22/2006
Barium	11	1.0		mg/Kg	1	9/22/2006
Beryllium	ND	1.0		mg/Kg	1	9/22/2006
Cadmium	ND	1.0		mg/Kg	1	9/22/2006
Chromium	40	1.0		mg/Kg	1	9/22/2006
Cobalt	12	1.0		mg/Kg	1	9/22/2006
Copper	29	2.0		mg/Kg	1	9/22/2006
Lead	1.0	1.0		mg/Kg	1	9/22/2006
Molybdenum	ND	1.0		mg/Kg	1	9/22/2006
Nickel	30	1.0		mg/Kg	1	9/22/2006
Selenium	ND	1.0		mg/Kg	1	9/22/2006
Silver	ND	1.0		mg/Kg	1	9/22/2006
Thallium	ND	1.0		mg/Kg	1	9/22/2006
Vanadium	31	1.0		mg/Kg	1	9/22/2006
Zinc	25	1.0		mg/Kg	1	9/22/2006
MERCURY BY COLD VAPOR TECHNIQUE						
	EPA 7471			**EPA 7471A**		
RunID: AA1_060922G	QC Batch: 30500			PrepDate:	9/22/2006	Analyst: **NS**
Mercury	ND	0.10		mg/Kg	1	9/22/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *25-Sep-06*

CLIENT: Ninyo & Moore
Lab Order: 086619
Project: I-5 CALTRANS, 105812001
Lab ID: 086619-007

Client Sample ID: NM03-B10-30.0
Collection Date: 9/12/2006 11:27:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP6_060922D	QC Batch: 30485			PrepDate:	9/22/2006	Analyst: **RQ**
Antimony	ND	2.0		mg/Kg	1	9/22/2006
Arsenic	ND	1.0		mg/Kg	1	9/22/2006
Barium	13	1.0		mg/Kg	1	9/22/2006
Beryllium	ND	1.0		mg/Kg	1	9/22/2006
Cadmium	ND	1.0		mg/Kg	1	9/22/2006
Chromium	40	1.0		mg/Kg	1	9/22/2006
Cobalt	12	1.0		mg/Kg	1	9/22/2006
Copper	33	2.0		mg/Kg	1	9/22/2006
Lead	1.9	1.0		mg/Kg	1	9/22/2006
Molybdenum	ND	1.0		mg/Kg	1	9/22/2006
Nickel	30	1.0		mg/Kg	1	9/22/2006
Selenium	ND	1.0		mg/Kg	1	9/22/2006
Silver	ND	1.0		mg/Kg	1	9/22/2006
Thallium	ND	1.0		mg/Kg	1	9/22/2006
Vanadium	32	1.0		mg/Kg	1	9/22/2006
Zinc	41	1.0		mg/Kg	1	9/22/2006
MERCURY BY COLD VAPOR TECHNIQUE						
	EPA 7471			**EPA 7471A**		
RunID: AA1_060922G	QC Batch: 30500			PrepDate:	9/22/2006	Analyst: **NS**
Mercury	ND	0.10		mg/Kg	1	9/22/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *25-Sep-06*

CLIENT: Ninyo & Moore
Lab Order: 086619
Project: I-5 CALTRANS, 105812001
Lab ID: 086619-008

Client Sample ID: NM03-B11-5.0
Collection Date: 9/12/2006 12:30:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP6_060922D	QC Batch: 30485			PrepDate:	9/22/2006	Analyst: **RQ**
Antimony	ND	2.0		mg/Kg	1	9/22/2006
Arsenic	ND	1.0		mg/Kg	1	9/22/2006
Barium	42	1.0		mg/Kg	1	9/22/2006
Beryllium	ND	1.0		mg/Kg	1	9/22/2006
Cadmium	ND	1.0		mg/Kg	1	9/22/2006
Chromium	54	1.0		mg/Kg	1	9/22/2006
Cobalt	14	1.0		mg/Kg	1	9/22/2006
Copper	28	2.0		mg/Kg	1	9/22/2006
Lead	2.3	1.0		mg/Kg	1	9/22/2006
Molybdenum	ND	1.0		mg/Kg	1	9/22/2006
Nickel	25	1.0		mg/Kg	1	9/22/2006
Selenium	ND	1.0		mg/Kg	1	9/22/2006
Silver	ND	1.0		mg/Kg	1	9/22/2006
Thallium	ND	1.0		mg/Kg	1	9/22/2006
Vanadium	47	1.0		mg/Kg	1	9/22/2006
Zinc	19	1.0		mg/Kg	1	9/22/2006
PCBS BY GC/ECD						
	EPA 3550B			**EPA 8082**		
RunID: GC4_060918A	QC Batch: 30335			PrepDate:	9/18/2006	Analyst: **VLT**
Aroclor 1016	ND	16		µg/Kg	1	9/18/2006
Aroclor 1221	ND	33		µg/Kg	1	9/18/2006
Aroclor 1232	ND	16		µg/Kg	1	9/18/2006
Aroclor 1242	ND	16		µg/Kg	1	9/18/2006
Aroclor 1248	ND	16		µg/Kg	1	9/18/2006
Aroclor 1254	ND	16		µg/Kg	1	9/18/2006
Aroclor 1260	ND	16		µg/Kg	1	9/18/2006
Aroclor 1262	ND	16		µg/Kg	1	9/18/2006
Aroclor 1268	ND	16		µg/Kg	1	9/18/2006
Surr: Decachlorobiphenyl	85.7	55-124		%REC	1	9/18/2006
Surr: Tetrachloro-m-xylene	83.5	74-132		%REC	1	9/18/2006
MERCURY BY COLD VAPOR TECHNIQUE						
	EPA 7471			**EPA 7471A**		
RunID: AA1_060922G	QC Batch: 30500			PrepDate:	9/22/2006	Analyst: **NS**
Mercury	ND	0.10		mg/Kg	1	9/22/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *25-Sep-06*

CLIENT: Ninyo & Moore
Lab Order: 086619
Project: I-5 CALTRANS, 105812001
Lab ID: 086619-008

Client Sample ID: NM03-B11-5.0
Collection Date: 9/12/2006 12:30:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060921A	QC Batch: R06VS200			PrepDate:		Analyst: **TT**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1	9/21/2006
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	9/21/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	9/21/2006
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	9/21/2006
1,1-Dichloroethane	ND	5.0		µg/Kg	1	9/21/2006
1,1-Dichloroethene	ND	5.0		µg/Kg	1	9/21/2006
1,1-Dichloropropene	ND	5.0		µg/Kg	1	9/21/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1	9/21/2006
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1	9/21/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1	9/21/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1	9/21/2006
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1	9/21/2006
1,2-Dibromoethane	ND	5.0		µg/Kg	1	9/21/2006
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1	9/21/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	9/21/2006
1,2-Dichloropropane	ND	5.0		µg/Kg	1	9/21/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1	9/21/2006
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1	9/21/2006
1,3-Dichloropropane	ND	5.0		µg/Kg	1	9/21/2006
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1	9/21/2006
2,2-Dichloropropane	ND	5.0		µg/Kg	1	9/21/2006
2-Chlorotoluene	ND	5.0		µg/Kg	1	9/21/2006
4-Chlorotoluene	ND	5.0		µg/Kg	1	9/21/2006
4-Isopropyltoluene	ND	5.0		µg/Kg	1	9/21/2006
Benzene	ND	5.0		µg/Kg	1	9/21/2006
Bromobenzene	ND	5.0		µg/Kg	1	9/21/2006
Bromodichloromethane	ND	5.0		µg/Kg	1	9/21/2006
Bromoform	ND	5.0		µg/Kg	1	9/21/2006
Bromomethane	ND	5.0		µg/Kg	1	9/21/2006
Carbon tetrachloride	ND	5.0		µg/Kg	1	9/21/2006
Chlorobenzene	ND	5.0		µg/Kg	1	9/21/2006
Chloroethane	ND	5.0		µg/Kg	1	9/21/2006
Chloroform	ND	5.0		µg/Kg	1	9/21/2006
Chloromethane	ND	5.0		µg/Kg	1	9/21/2006
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	9/21/2006
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	9/21/2006
Dibromochloromethane	ND	5.0		µg/Kg	1	9/21/2006
Dibromomethane	ND	5.0		µg/Kg	1	9/21/2006

Qualifiers:
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out
E Value above quantitation range
ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *25-Sep-06*

CLIENT: Ninyo & Moore
Lab Order: 086619
Project: I-5 CALTRANS, 105812001
Lab ID: 086619-008

Client Sample ID: NM03-B11-5.0
Collection Date: 9/12/2006 12:30:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060921A	QC Batch: R06VS200			PrepDate:		Analyst: **TT**
Dichlorodifluoromethane	ND	5.0		µg/Kg	1	9/21/2006
Ethylbenzene	ND	5.0		µg/Kg	1	9/21/2006
Hexachlorobutadiene	ND	5.0		µg/Kg	1	9/21/2006
Isopropylbenzene	ND	5.0		µg/Kg	1	9/21/2006
m,p-Xylene	ND	10		µg/Kg	1	9/21/2006
Methylene chloride	ND	5.0		µg/Kg	1	9/21/2006
n-Butylbenzene	ND	5.0		µg/Kg	1	9/21/2006
n-Propylbenzene	ND	5.0		µg/Kg	1	9/21/2006
Naphthalene	ND	5.0		µg/Kg	1	9/21/2006
o-Xylene	ND	5.0		µg/Kg	1	9/21/2006
sec-Butylbenzene	ND	5.0		µg/Kg	1	9/21/2006
Styrene	ND	5.0		µg/Kg	1	9/21/2006
tert-Butylbenzene	ND	5.0		µg/Kg	1	9/21/2006
Tetrachloroethene	ND	5.0		µg/Kg	1	9/21/2006
Toluene	ND	5.0		µg/Kg	1	9/21/2006
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	9/21/2006
Trichloroethene	ND	5.0		µg/Kg	1	9/21/2006
Trichlorofluoromethane	ND	5.0		µg/Kg	1	9/21/2006
Vinyl chloride	ND	5.0		µg/Kg	1	9/21/2006
Surr: 1,2-Dichloroethane-d4	88.6	44-157		%REC	1	9/21/2006
Surr: 4-Bromofluorobenzene	82.7	69-129		%REC	1	9/21/2006
Surr: Dibromofluoromethane	96.3	55-154		%REC	1	9/21/2006
Surr: Toluene-d8	100	80-128		%REC	1	9/21/2006
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
	EPA 3550B			**EPA 8270C**		
RunID: MS7_060915A	QC Batch: 30318			PrepDate:	9/15/2006	Analyst: **MFR**
1,2,4-Trichlorobenzene	ND	330		µg/Kg	1	9/18/2006
1,2-Dichlorobenzene	ND	330		µg/Kg	1	9/18/2006
1,3-Dichlorobenzene	ND	330		µg/Kg	1	9/18/2006
1,4-Dichlorobenzene	ND	330		µg/Kg	1	9/18/2006
2,4,5-Trichlorophenol	ND	330		µg/Kg	1	9/18/2006
2,4,6-Trichlorophenol	ND	330		µg/Kg	1	9/18/2006
2,4-Dichlorophenol	ND	1600		µg/Kg	1	9/18/2006
2,4-Dimethylphenol	ND	330		µg/Kg	1	9/18/2006
2,4-Dinitrophenol	ND	1600		µg/Kg	1	9/18/2006
2,4-Dinitrotoluene	ND	330		µg/Kg	1	9/18/2006
2,6-Dinitrotoluene	ND	330		µg/Kg	1	9/18/2006

Qualifiers:
- B — Analyte detected in the associated Method Blank
- H — Holding times for preparation or analysis exceeded
- S — Spike/Surrogate outside of limits due to matrix interference
- DO — Surrogate Diluted Out
- E — Value above quantitation range
- ND — Not Detected at the Reporting Limit

Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *25-Sep-06*

CLIENT: Ninyo & Moore
Lab Order: 086619
Project: I-5 CALTRANS, 105812001
Lab ID: 086619-008

Client Sample ID: NM03-B11-5.0
Collection Date: 9/12/2006 12:30:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS7_060915A	QC Batch: 30318				PrepDate: 9/15/2006	Analyst: **MFR**
2-Chloronaphthalene	ND	330		µg/Kg	1	9/18/2006
2-Chlorophenol	ND	330		µg/Kg	1	9/18/2006
2-Methylnaphthalene	ND	330		µg/Kg	1	9/18/2006
2-Methylphenol	ND	330		µg/Kg	1	9/18/2006
2-Nitroaniline	ND	1600		µg/Kg	1	9/18/2006
2-Nitrophenol	ND	330		µg/Kg	1	9/18/2006
3,3´-Dichlorobenzidine	ND	660		µg/Kg	1	9/18/2006
3-Nitroaniline	ND	1600		µg/Kg	1	9/18/2006
4,6-Dinitro-2-methylphenol	ND	1600		µg/Kg	1	9/18/2006
4-Bromophenyl-phenylether	ND	330		µg/Kg	1	9/18/2006
4-Chloro-3-methylphenol	ND	660		µg/Kg	1	9/18/2006
4-Chloroaniline	ND	660		µg/Kg	1	9/18/2006
4-Chlorophenyl-phenylether	ND	330		µg/Kg	1	9/18/2006
4-Methylphenol	ND	330		µg/Kg	1	9/18/2006
4-Nitroaniline	ND	1600		µg/Kg	1	9/18/2006
4-Nitrophenol	ND	1600		µg/Kg	1	9/18/2006
Acenaphthene	ND	330		µg/Kg	1	9/18/2006
Acenaphthylene	ND	330		µg/Kg	1	9/18/2006
Anthracene	ND	330		µg/Kg	1	9/18/2006
Benzidine (M)	ND	1600		µg/Kg	1	9/18/2006
Benzo(a)anthracene	ND	330		µg/Kg	1	9/18/2006
Benzo(a)pyrene	ND	330		µg/Kg	1	9/18/2006
Benzo(b)fluoranthene	ND	330		µg/Kg	1	9/18/2006
Benzo(g,h,i)perylene	ND	330		µg/Kg	1	9/18/2006
Benzo(k)fluoranthene	ND	330		µg/Kg	1	9/18/2006
Benzoic acid	ND	1600		µg/Kg	1	9/18/2006
Benzyl alcohol	ND	660		µg/Kg	1	9/18/2006
Bis(2-chloroethoxy)methane	ND	330		µg/Kg	1	9/18/2006
Bis(2-chloroethyl)ether	ND	330		µg/Kg	1	9/18/2006
Bis(2-chloroisopropyl)ether	ND	330		µg/Kg	1	9/18/2006
Bis(2-ethylhexyl)phthalate	ND	330		µg/Kg	1	9/18/2006
Butylbenzylphthalate	ND	330		µg/Kg	1	9/18/2006
Chrysene	ND	330		µg/Kg	1	9/18/2006
Di-n-butylphthalate	ND	330		µg/Kg	1	9/18/2006
Di-n-octylphthalate	ND	330		µg/Kg	1	9/18/2006
Dibenz(a,h)anthracene	ND	330		µg/Kg	1	9/18/2006
Dibenzofuran	ND	330		µg/Kg	1	9/18/2006
Diethylphthalate	ND	330		µg/Kg	1	9/18/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *25-Sep-06*

CLIENT: Ninyo & Moore
Lab Order: 086619
Project: I-5 CALTRANS, 105812001
Lab ID: 086619-008

Client Sample ID: NM03-B11-5.0
Collection Date: 9/12/2006 12:30:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS7_060915A	QC Batch: 30318				PrepDate: 9/15/2006	Analyst: **MFR**
Dimethylphthalate	ND	330		µg/Kg	1	9/18/2006
Fluoranthene	ND	330		µg/Kg	1	9/18/2006
Fluorene	ND	330		µg/Kg	1	9/18/2006
Hexachlorobenzene	ND	330		µg/Kg	1	9/18/2006
Hexachlorobutadiene	ND	660		µg/Kg	1	9/18/2006
Hexachlorocyclopentadiene	ND	660		µg/Kg	1	9/18/2006
Hexachloroethane	ND	330		µg/Kg	1	9/18/2006
Indeno(1,2,3-cd)pyrene	ND	330		µg/Kg	1	9/18/2006
Isophorone	ND	330		µg/Kg	1	9/18/2006
N-Nitrosodi-n-propylamine	ND	330		µg/Kg	1	9/18/2006
N-Nitrosodiphenylamine	ND	330		µg/Kg	1	9/18/2006
Naphthalene	ND	330		µg/Kg	1	9/18/2006
Nitrobenzene	ND	330		µg/Kg	1	9/18/2006
Pentachlorophenol	ND	1600		µg/Kg	1	9/18/2006
Phenanthrene	ND	330		µg/Kg	1	9/18/2006
Phenol	ND	330		µg/Kg	1	9/18/2006
Pyrene	ND	330		µg/Kg	1	9/18/2006
Surr: 1,2-Dichlorobenzene-d4	78.1	37-108		%REC	1	9/18/2006
Surr: 2,4,6-Tribromophenol	92.5	49-140		%REC	1	9/18/2006
Surr: 2-Chlorophenol-d4	81.0	43-109		%REC	1	9/18/2006
Surr: 2-Fluorobiphenyl	86.9	47-112		%REC	1	9/18/2006
Surr: 2-Fluorophenol	77.2	41-106		%REC	1	9/18/2006
Surr: 4-Terphenyl-d14	113	30-136		%REC	1	9/18/2006
Surr: Nitrobenzene-d5	81.4	40-118		%REC	1	9/18/2006
Surr: Phenol-d5	79.6	42-112		%REC	1	9/18/2006

Qualifiers:

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H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *25-Sep-06*

CLIENT: Ninyo & Moore
Lab Order: 086619
Project: I-5 CALTRANS, 105812001
Lab ID: 086619-009

Client Sample ID: NM03-B11-10.0
Collection Date: 9/12/2006 12:48:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP6_060922D	QC Batch: 30485			PrepDate:	9/22/2006	Analyst: **RQ**
Antimony	ND	2.0		mg/Kg	1	9/22/2006
Arsenic	ND	1.0		mg/Kg	1	9/22/2006
Barium	29	1.0		mg/Kg	1	9/22/2006
Beryllium	ND	1.0		mg/Kg	1	9/22/2006
Cadmium	ND	1.0		mg/Kg	1	9/22/2006
Chromium	37	1.0		mg/Kg	1	9/22/2006
Cobalt	13	1.0		mg/Kg	1	9/22/2006
Copper	26	2.0		mg/Kg	1	9/22/2006
Lead	1.5	1.0		mg/Kg	1	9/22/2006
Molybdenum	ND	1.0		mg/Kg	1	9/22/2006
Nickel	21	1.0		mg/Kg	1	9/22/2006
Selenium	ND	1.0		mg/Kg	1	9/22/2006
Silver	ND	1.0		mg/Kg	1	9/22/2006
Thallium	ND	1.0		mg/Kg	1	9/22/2006
Vanadium	44	1.0		mg/Kg	1	9/22/2006
Zinc	24	1.0		mg/Kg	1	9/22/2006
MERCURY BY COLD VAPOR TECHNIQUE						
	EPA 7471			**EPA 7471A**		
RunID: AA1_060922G	QC Batch: 30500			PrepDate:	9/22/2006	Analyst: **NS**
Mercury	ND	0.10		mg/Kg	1	9/22/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *25-Sep-06*

CLIENT: Ninyo & Moore
Lab Order: 086619
Project: I-5 CALTRANS, 105812001
Lab ID: 086619-010

Client Sample ID: NM03-B11-15.0
Collection Date: 9/12/2006 1:00:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP6_060922D	QC Batch: 30485			PrepDate:	9/22/2006	Analyst: **RQ**
Antimony	ND	2.0		mg/Kg	1	9/22/2006
Arsenic	ND	1.0		mg/Kg	1	9/22/2006
Barium	13	1.0		mg/Kg	1	9/22/2006
Beryllium	ND	1.0		mg/Kg	1	9/22/2006
Cadmium	ND	1.0		mg/Kg	1	9/22/2006
Chromium	40	1.0		mg/Kg	1	9/22/2006
Cobalt	12	1.0		mg/Kg	1	9/22/2006
Copper	31	2.0		mg/Kg	1	9/22/2006
Lead	ND	1.0		mg/Kg	1	9/22/2006
Molybdenum	ND	1.0		mg/Kg	1	9/22/2006
Nickel	25	1.0		mg/Kg	1	9/22/2006
Selenium	ND	1.0		mg/Kg	1	9/22/2006
Silver	ND	1.0		mg/Kg	1	9/22/2006
Thallium	ND	1.0		mg/Kg	1	9/22/2006
Vanadium	35	1.0		mg/Kg	1	9/22/2006
Zinc	20	1.0		mg/Kg	1	9/22/2006
PCBS BY GC/ECD						
	EPA 3550B			**EPA 8082**		
RunID: GC4_060918A	QC Batch: 30335			PrepDate:	9/18/2006	Analyst: **VLT**
Aroclor 1016	ND	16		µg/Kg	1	9/18/2006
Aroclor 1221	ND	33		µg/Kg	1	9/18/2006
Aroclor 1232	ND	16		µg/Kg	1	9/18/2006
Aroclor 1242	ND	16		µg/Kg	1	9/18/2006
Aroclor 1248	ND	16		µg/Kg	1	9/18/2006
Aroclor 1254	ND	16		µg/Kg	1	9/18/2006
Aroclor 1260	ND	16		µg/Kg	1	9/18/2006
Aroclor 1262	ND	16		µg/Kg	1	9/18/2006
Aroclor 1268	ND	16		µg/Kg	1	9/18/2006
Surr: Decachlorobiphenyl	89.7	55-124		%REC	1	9/18/2006
Surr: Tetrachloro-m-xylene	97.1	74-132		%REC	1	9/18/2006
MERCURY BY COLD VAPOR TECHNIQUE						
	EPA 7471			**EPA 7471A**		
RunID: AA1_060922G	QC Batch: 30500			PrepDate:	9/22/2006	Analyst: **NS**
Mercury	ND	0.10		mg/Kg	1	9/22/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *25-Sep-06*

CLIENT: Ninyo & Moore
Lab Order: 086619
Project: I-5 CALTRANS, 105812001
Lab ID: 086619-010

Client Sample ID: NM03-B11-15.0
Collection Date: 9/12/2006 1:00:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060921A	QC Batch: R06VS200			PrepDate:		Analyst: **TT**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1	9/21/2006
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	9/21/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	9/21/2006
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	9/21/2006
1,1-Dichloroethane	ND	5.0		µg/Kg	1	9/21/2006
1,1-Dichloroethene	ND	5.0		µg/Kg	1	9/21/2006
1,1-Dichloropropene	ND	5.0		µg/Kg	1	9/21/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1	9/21/2006
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1	9/21/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1	9/21/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1	9/21/2006
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1	9/21/2006
1,2-Dibromoethane	ND	5.0		µg/Kg	1	9/21/2006
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1	9/21/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	9/21/2006
1,2-Dichloropropane	ND	5.0		µg/Kg	1	9/21/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1	9/21/2006
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1	9/21/2006
1,3-Dichloropropane	ND	5.0		µg/Kg	1	9/21/2006
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1	9/21/2006
2,2-Dichloropropane	ND	5.0		µg/Kg	1	9/21/2006
2-Chlorotoluene	ND	5.0		µg/Kg	1	9/21/2006
4-Chlorotoluene	ND	5.0		µg/Kg	1	9/21/2006
4-Isopropyltoluene	ND	5.0		µg/Kg	1	9/21/2006
Benzene	ND	5.0		µg/Kg	1	9/21/2006
Bromobenzene	ND	5.0		µg/Kg	1	9/21/2006
Bromodichloromethane	ND	5.0		µg/Kg	1	9/21/2006
Bromoform	ND	5.0		µg/Kg	1	9/21/2006
Bromomethane	ND	5.0		µg/Kg	1	9/21/2006
Carbon tetrachloride	ND	5.0		µg/Kg	1	9/21/2006
Chlorobenzene	ND	5.0		µg/Kg	1	9/21/2006
Chloroethane	ND	5.0		µg/Kg	1	9/21/2006
Chloroform	ND	5.0		µg/Kg	1	9/21/2006
Chloromethane	ND	5.0		µg/Kg	1	9/21/2006
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	9/21/2006
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	9/21/2006
Dibromochloromethane	ND	5.0		µg/Kg	1	9/21/2006
Dibromomethane	ND	5.0		µg/Kg	1	9/21/2006

Qualifiers:
B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out
E Value above quantitation range
ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *25-Sep-06*

CLIENT: Ninyo & Moore
Lab Order: 086619
Project: I-5 CALTRANS, 105812001
Lab ID: 086619-010

Client Sample ID: NM03-B11-15.0
Collection Date: 9/12/2006 1:00:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060921A	QC Batch: R06VS200			PrepDate:		Analyst: **TT**
Dichlorodifluoromethane	ND	5.0		µg/Kg	1	9/21/2006
Ethylbenzene	ND	5.0		µg/Kg	1	9/21/2006
Hexachlorobutadiene	ND	5.0		µg/Kg	1	9/21/2006
Isopropylbenzene	ND	5.0		µg/Kg	1	9/21/2006
m,p-Xylene	ND	10		µg/Kg	1	9/21/2006
Methylene chloride	ND	5.0		µg/Kg	1	9/21/2006
n-Butylbenzene	ND	5.0		µg/Kg	1	9/21/2006
n-Propylbenzene	ND	5.0		µg/Kg	1	9/21/2006
Naphthalene	ND	5.0		µg/Kg	1	9/21/2006
o-Xylene	ND	5.0		µg/Kg	1	9/21/2006
sec-Butylbenzene	ND	5.0		µg/Kg	1	9/21/2006
Styrene	ND	5.0		µg/Kg	1	9/21/2006
tert-Butylbenzene	ND	5.0		µg/Kg	1	9/21/2006
Tetrachloroethene	ND	5.0		µg/Kg	1	9/21/2006
Toluene	ND	5.0		µg/Kg	1	9/21/2006
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	9/21/2006
Trichloroethene	ND	5.0		µg/Kg	1	9/21/2006
Trichlorofluoromethane	ND	5.0		µg/Kg	1	9/21/2006
Vinyl chloride	ND	5.0		µg/Kg	1	9/21/2006
Surr: 1,2-Dichloroethane-d4	80.2	44-157		%REC	1	9/21/2006
Surr: 4-Bromofluorobenzene	87.7	69-129		%REC	1	9/21/2006
Surr: Dibromofluoromethane	92.1	55-154		%REC	1	9/21/2006
Surr: Toluene-d8	101	80-128		%REC	1	9/21/2006
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
	EPA 3550B			**EPA 8270C**		
RunID: MS7_060915A	QC Batch: 30318			PrepDate: 9/15/2006		Analyst: **MFR**
1,2,4-Trichlorobenzene	ND	330		µg/Kg	1	9/18/2006
1,2-Dichlorobenzene	ND	330		µg/Kg	1	9/18/2006
1,3-Dichlorobenzene	ND	330		µg/Kg	1	9/18/2006
1,4-Dichlorobenzene	ND	330		µg/Kg	1	9/18/2006
2,4,5-Trichlorophenol	ND	330		µg/Kg	1	9/18/2006
2,4,6-Trichlorophenol	ND	330		µg/Kg	1	9/18/2006
2,4-Dichlorophenol	ND	1600		µg/Kg	1	9/18/2006
2,4-Dimethylphenol	ND	330		µg/Kg	1	9/18/2006
2,4-Dinitrophenol	ND	1600		µg/Kg	1	9/18/2006
2,4-Dinitrotoluene	ND	330		µg/Kg	1	9/18/2006
2,6-Dinitrotoluene	ND	330		µg/Kg	1	9/18/2006

Qualifiers:
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out
- E Value above quantitation range
- ND Not Detected at the Reporting Limit

Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: *25-Sep-06*

CLIENT: Ninyo & Moore
Lab Order: 086619
Project: I-5 CALTRANS, 105812001
Lab ID: 086619-010

Client Sample ID: NM03-B11-15.0
Collection Date: 9/12/2006 1:00:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS7_060915A	QC Batch: 30318				PrepDate: 9/15/2006	Analyst: **MFR**
2-Chloronaphthalene	ND	330		µg/Kg	1	9/18/2006
2-Chlorophenol	ND	330		µg/Kg	1	9/18/2006
2-Methylnaphthalene	ND	330		µg/Kg	1	9/18/2006
2-Methylphenol	ND	330		µg/Kg	1	9/18/2006
2-Nitroaniline	ND	1600		µg/Kg	1	9/18/2006
2-Nitrophenol	ND	330		µg/Kg	1	9/18/2006
3,3´-Dichlorobenzidine	ND	660		µg/Kg	1	9/18/2006
3-Nitroaniline	ND	1600		µg/Kg	1	9/18/2006
4,6-Dinitro-2-methylphenol	ND	1600		µg/Kg	1	9/18/2006
4-Bromophenyl-phenylether	ND	330		µg/Kg	1	9/18/2006
4-Chloro-3-methylphenol	ND	660		µg/Kg	1	9/18/2006
4-Chloroaniline	ND	660		µg/Kg	1	9/18/2006
4-Chlorophenyl-phenylether	ND	330		µg/Kg	1	9/18/2006
4-Methylphenol	ND	330		µg/Kg	1	9/18/2006
4-Nitroaniline	ND	1600		µg/Kg	1	9/18/2006
4-Nitrophenol	ND	1600		µg/Kg	1	9/18/2006
Acenaphthene	ND	330		µg/Kg	1	9/18/2006
Acenaphthylene	ND	330		µg/Kg	1	9/18/2006
Anthracene	ND	330		µg/Kg	1	9/18/2006
Benzidine (M)	ND	1600		µg/Kg	1	9/18/2006
Benzo(a)anthracene	ND	330		µg/Kg	1	9/18/2006
Benzo(a)pyrene	ND	330		µg/Kg	1	9/18/2006
Benzo(b)fluoranthene	ND	330		µg/Kg	1	9/18/2006
Benzo(g,h,i)perylene	ND	330		µg/Kg	1	9/18/2006
Benzo(k)fluoranthene	ND	330		µg/Kg	1	9/18/2006
Benzoic acid	ND	1600		µg/Kg	1	9/18/2006
Benzyl alcohol	ND	660		µg/Kg	1	9/18/2006
Bis(2-chloroethoxy)methane	ND	330		µg/Kg	1	9/18/2006
Bis(2-chloroethyl)ether	ND	330		µg/Kg	1	9/18/2006
Bis(2-chloroisopropyl)ether	ND	330		µg/Kg	1	9/18/2006
Bis(2-ethylhexyl)phthalate	1200	330		µg/Kg	1	9/18/2006
Butylbenzylphthalate	ND	330		µg/Kg	1	9/18/2006
Chrysene	ND	330		µg/Kg	1	9/18/2006
Di-n-butylphthalate	ND	330		µg/Kg	1	9/18/2006
Di-n-octylphthalate	ND	330		µg/Kg	1	9/18/2006
Dibenz(a,h)anthracene	ND	330		µg/Kg	1	9/18/2006
Dibenzofuran	ND	330		µg/Kg	1	9/18/2006
Diethylphthalate	ND	330		µg/Kg	1	9/18/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *25-Sep-06*

CLIENT: Ninyo & Moore
Lab Order: 086619
Project: I-5 CALTRANS, 105812001
Lab ID: 086619-010

Client Sample ID: NM03-B11-15.0
Collection Date: 9/12/2006 1:00:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS7_060915A	QC Batch: 30318				PrepDate: 9/15/2006	Analyst: **MFR**
Dimethylphthalate	ND	330		µg/Kg	1	9/18/2006
Fluoranthene	ND	330		µg/Kg	1	9/18/2006
Fluorene	ND	330		µg/Kg	1	9/18/2006
Hexachlorobenzene	ND	330		µg/Kg	1	9/18/2006
Hexachlorobutadiene	ND	660		µg/Kg	1	9/18/2006
Hexachlorocyclopentadiene	ND	660		µg/Kg	1	9/18/2006
Hexachloroethane	ND	330		µg/Kg	1	9/18/2006
Indeno(1,2,3-cd)pyrene	ND	330		µg/Kg	1	9/18/2006
Isophorone	ND	330		µg/Kg	1	9/18/2006
N-Nitrosodi-n-propylamine	ND	330		µg/Kg	1	9/18/2006
N-Nitrosodiphenylamine	ND	330		µg/Kg	1	9/18/2006
Naphthalene	ND	330		µg/Kg	1	9/18/2006
Nitrobenzene	ND	330		µg/Kg	1	9/18/2006
Pentachlorophenol	ND	1600		µg/Kg	1	9/18/2006
Phenanthrene	ND	330		µg/Kg	1	9/18/2006
Phenol	ND	330		µg/Kg	1	9/18/2006
Pyrene	ND	330		µg/Kg	1	9/18/2006
Surr: 1,2-Dichlorobenzene-d4	67.8	37-108		%REC	1	9/18/2006
Surr: 2,4,6-Tribromophenol	91.7	49-140		%REC	1	9/18/2006
Surr: 2-Chlorophenol-d4	69.2	43-109		%REC	1	9/18/2006
Surr: 2-Fluorobiphenyl	81.7	47-112		%REC	1	9/18/2006
Surr: 2-Fluorophenol	66.4	41-106		%REC	1	9/18/2006
Surr: 4-Terphenyl-d14	102	30-136		%REC	1	9/18/2006
Surr: Nitrobenzene-d5	72.6	40-118		%REC	1	9/18/2006
Surr: Phenol-d5	68.8	42-112		%REC	1	9/18/2006

Qualifiers:

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Advanced Technology Laboratories

Date: *25-Sep-06*

CLIENT: Ninyo & Moore
Lab Order: 086619
Project: I-5 CALTRANS, 105812001
Lab ID: 086619-011

Client Sample ID: NM03-B11-20.0
Collection Date: 9/12/2006 1:20:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP6_060922D	QC Batch: 30485			PrepDate:	9/22/2006	Analyst: **RQ**
Antimony	ND	2.0		mg/Kg	1	9/22/2006
Arsenic	ND	1.0		mg/Kg	1	9/22/2006
Barium	13	1.0		mg/Kg	1	9/22/2006
Beryllium	ND	1.0		mg/Kg	1	9/22/2006
Cadmium	ND	1.0		mg/Kg	1	9/22/2006
Chromium	50	1.0		mg/Kg	1	9/22/2006
Cobalt	13	1.0		mg/Kg	1	9/22/2006
Copper	30	2.0		mg/Kg	1	9/22/2006
Lead	ND	1.0		mg/Kg	1	9/22/2006
Molybdenum	ND	1.0		mg/Kg	1	9/22/2006
Nickel	25	1.0		mg/Kg	1	9/22/2006
Selenium	ND	1.0		mg/Kg	1	9/22/2006
Silver	ND	1.0		mg/Kg	1	9/22/2006
Thallium	ND	1.0		mg/Kg	1	9/22/2006
Vanadium	36	1.0		mg/Kg	1	9/22/2006
Zinc	21	1.0		mg/Kg	1	9/22/2006
MERCURY BY COLD VAPOR TECHNIQUE						
	EPA 7471			**EPA 7471A**		
RunID: AA1_060922G	QC Batch: 30500			PrepDate:	9/22/2006	Analyst: **NS**
Mercury	ND	0.10		mg/Kg	1	9/22/2006

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Date: *25-Sep-06*

CLIENT: Ninyo & Moore
Lab Order: 086619
Project: I-5 CALTRANS, 105812001
Lab ID: 086619-012

Client Sample ID: NM03-Equip-01
Collection Date: 9/12/2006 2:20:00 PM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3010A			**EPA 6010B**		
RunID: ICP6_060920D	QC Batch: 30377			PrepDate:	9/20/2006	Analyst: **RQ**
Antimony	ND	0.0050		mg/L	1	9/20/2006
Arsenic	ND	0.010		mg/L	1	9/20/2006
Barium	ND	0.0030		mg/L	1	9/20/2006
Beryllium	ND	0.0030		mg/L	1	9/20/2006
Cadmium	ND	0.0030		mg/L	1	9/20/2006
Chromium	ND	0.0030		mg/L	1	9/20/2006
Cobalt	ND	0.0030		mg/L	1	9/20/2006
Copper	ND	0.0050		mg/L	1	9/20/2006
Lead	ND	0.0050		mg/L	1	9/20/2006
Molybdenum	ND	0.0050		mg/L	1	9/20/2006
Nickel	ND	0.0050		mg/L	1	9/20/2006
Selenium	ND	0.010		mg/L	1	9/20/2006
Silver	ND	0.0030		mg/L	1	9/20/2006
Thallium	ND	0.015		mg/L	1	9/20/2006
Vanadium	ND	0.0030		mg/L	1	9/20/2006
Zinc	ND	0.010		mg/L	1	9/20/2006
PCBS BY GC/ECD						
	EPA 3510C			**EPA 8082**		
RunID: GC4_060919A	QC Batch: 30370			PrepDate:	9/19/2006	Analyst: **VLT**
Aroclor 1016	ND	0.50		µg/L	1	9/19/2006
Aroclor 1221	ND	1.0		µg/L	1	9/19/2006
Aroclor 1232	ND	0.50		µg/L	1	9/19/2006
Aroclor 1242	ND	0.50		µg/L	1	9/19/2006
Aroclor 1248	ND	0.50		µg/L	1	9/19/2006
Aroclor 1254	ND	0.50		µg/L	1	9/19/2006
Aroclor 1260	ND	0.50		µg/L	1	9/19/2006
Aroclor 1262	ND	0.50		µg/L	1	9/19/2006
Aroclor 1268	ND	0.50		µg/L	1	9/19/2006
Surr: Decachlorobiphenyl	70.6	9-119		%REC	1	9/19/2006
Surr: Tetrachloro-m-xylene	86.3	40-133		%REC	1	9/19/2006
MERCURY BY COLD VAPOR TECHNIQUE						
	EPA 7470			**EPA 7470A**		
RunID: AA5_060920A	QC Batch: 30409			PrepDate:	9/19/2006	Analyst: **NS**
Mercury	ND	0.20		µg/L	1	9/20/2006

Qualifiers:

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Date: *25-Sep-06*

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Project: I-5 CALTRANS, 105812001
Lab ID: 086619-012

Client Sample ID: NM03-Equip-01
Collection Date: 9/12/2006 2:20:00 PM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
	EPA 3510C			**EPA 8270C**		
RunID: MS7_060914A	QC Batch: 30243				PrepDate: 9/14/2006	Analyst: **MFR**
1,2,4-Trichlorobenzene	ND	10		µg/L	1	9/15/2006
1,2-Dichlorobenzene	ND	10		µg/L	1	9/15/2006
1,3-Dichlorobenzene	ND	10		µg/L	1	9/15/2006
1,4-Dichlorobenzene	ND	10		µg/L	1	9/15/2006
2,4,5-Trichlorophenol	ND	10		µg/L	1	9/15/2006
2,4,6-Trichlorophenol	ND	10		µg/L	1	9/15/2006
2,4-Dichlorophenol	ND	10		µg/L	1	9/15/2006
2,4-Dimethylphenol	ND	10		µg/L	1	9/15/2006
2,4-Dinitrophenol	ND	50		µg/L	1	9/15/2006
2,4-Dinitrotoluene	ND	10		µg/L	1	9/15/2006
2,6-Dinitrotoluene	ND	10		µg/L	1	9/15/2006
2-Chloronaphthalene	ND	10		µg/L	1	9/15/2006
2-Chlorophenol	ND	10		µg/L	1	9/15/2006
2-Methylnaphthalene	ND	10		µg/L	1	9/15/2006
2-Methylphenol	ND	10		µg/L	1	9/15/2006
2-Nitroaniline	ND	50		µg/L	1	9/15/2006
2-Nitrophenol	ND	10		µg/L	1	9/15/2006
3,3´-Dichlorobenzidine	ND	20		µg/L	1	9/15/2006
3-Nitroaniline	ND	50		µg/L	1	9/15/2006
4,6-Dinitro-2-methylphenol	ND	50		µg/L	1	9/15/2006
4-Bromophenyl-phenylether	ND	10		µg/L	1	9/15/2006
4-Chloro-3-methylphenol	ND	50		µg/L	1	9/15/2006
4-Chloroaniline	ND	20		µg/L	1	9/15/2006
4-Chlorophenyl-phenylether	ND	10		µg/L	1	9/15/2006
4-Methylphenol	ND	10		µg/L	1	9/15/2006
4-Nitroaniline	ND	20		µg/L	1	9/15/2006
4-Nitrophenol	ND	50		µg/L	1	9/15/2006
Acenaphthene	ND	10		µg/L	1	9/15/2006
Acenaphthylene	ND	10		µg/L	1	9/15/2006
Anthracene	ND	10		µg/L	1	9/15/2006
Benzidine (M)	ND	50		µg/L	1	9/15/2006
Benzo(a)anthracene	ND	10		µg/L	1	9/15/2006
Benzo(a)pyrene	ND	10		µg/L	1	9/15/2006
Benzo(b)fluoranthene	ND	10		µg/L	1	9/15/2006
Benzo(g,h,i)perylene	ND	10		µg/L	1	9/15/2006
Benzo(k)fluoranthene	ND	10		µg/L	1	9/15/2006
Benzoic acid	ND	50		µg/L	1	9/15/2006
Benzyl alcohol	ND	20		µg/L	1	9/15/2006

Qualifiers:

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Project: I-5 CALTRANS, 105812001
Lab ID: 086619-012

Client Sample ID: NM03-Equip-01
Collection Date: 9/12/2006 2:20:00 PM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3510C				**EPA 8270C**		
RunID: MS7_060914A	QC Batch: 30243				PrepDate: 9/14/2006	Analyst: **MFR**
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	9/15/2006
Bis(2-chloroethyl)ether	ND	10		µg/L	1	9/15/2006
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	9/15/2006
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	9/15/2006
Butylbenzylphthalate	ND	10		µg/L	1	9/15/2006
Chrysene	ND	10		µg/L	1	9/15/2006
Di-n-butylphthalate	ND	10		µg/L	1	9/15/2006
Di-n-octylphthalate	ND	10		µg/L	1	9/15/2006
Dibenz(a,h)anthracene	ND	10		µg/L	1	9/15/2006
Dibenzofuran	ND	10		µg/L	1	9/15/2006
Diethylphthalate	ND	10		µg/L	1	9/15/2006
Dimethylphthalate	ND	10		µg/L	1	9/15/2006
Fluoranthene	ND	10		µg/L	1	9/15/2006
Fluorene	ND	10		µg/L	1	9/15/2006
Hexachlorobenzene	ND	10		µg/L	1	9/15/2006
Hexachlorobutadiene	ND	20		µg/L	1	9/15/2006
Hexachlorocyclopentadiene	ND	10		µg/L	1	9/15/2006
Hexachloroethane	ND	10		µg/L	1	9/15/2006
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	9/15/2006
Isophorone	ND	10		µg/L	1	9/15/2006
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	9/15/2006
N-Nitrosodiphenylamine	ND	10		µg/L	1	9/15/2006
Naphthalene	ND	10		µg/L	1	9/15/2006
Nitrobenzene	ND	10		µg/L	1	9/15/2006
Pentachlorophenol	ND	50		µg/L	1	9/15/2006
Phenanthrene	ND	10		µg/L	1	9/15/2006
Phenol	ND	10		µg/L	1	9/15/2006
Pyrene	ND	10		µg/L	1	9/15/2006
Surr: 1,2-Dichlorobenzene-d4	71.4	27-93		%REC	1	9/15/2006
Surr: 2,4,6-Tribromophenol	91.5	57-130		%REC	1	9/15/2006
Surr: 2-Chlorophenol-d4	68.7	35-94		%REC	1	9/15/2006
Surr: 2-Fluorobiphenyl	82.6	40-100		%REC	1	9/15/2006
Surr: 2-Fluorophenol	42.0	19-61		%REC	1	9/15/2006
Surr: 4-Terphenyl-d14	110	32-134		%REC	1	9/15/2006
Surr: Nitrobenzene-d5	76.0	38-108		%REC	1	9/15/2006
Surr: Phenol-d5	29.5	11-46		%REC	1	9/15/2006

Qualifiers:
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- DO — Surrogate Diluted Out
- E — Value above quantitation range
- ND — Not Detected at the Reporting Limit

Results are wet unless otherwise specified

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Date: *25-Sep-06*

CLIENT: Ninyo & Moore
Lab Order: 086619
Project: I-5 CALTRANS, 105812001
Lab ID: 086619-012

Client Sample ID: NM03-Equip-01
Collection Date: 9/12/2006 2:20:00 PM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060915A	QC Batch:	Q06VW152			PrepDate:	Analyst: **HH**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	9/15/2006
1,1,1-Trichloroethane	ND	5.0		µg/L	1	9/15/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	9/15/2006
1,1,2-Trichloroethane	ND	5.0		µg/L	1	9/15/2006
1,1-Dichloroethane	ND	5.0		µg/L	1	9/15/2006
1,1-Dichloroethene	ND	5.0		µg/L	1	9/15/2006
1,1-Dichloropropene	ND	5.0		µg/L	1	9/15/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/L	1	9/15/2006
1,2,3-Trichloropropane	ND	5.0		µg/L	1	9/15/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	9/15/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/L	1	9/15/2006
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	9/15/2006
1,2-Dibromoethane	ND	5.0		µg/L	1	9/15/2006
1,2-Dichlorobenzene	ND	5.0		µg/L	1	9/15/2006
1,2-Dichloroethane	ND	5.0		µg/L	1	9/15/2006
1,2-Dichloropropane	ND	5.0		µg/L	1	9/15/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	9/15/2006
1,3-Dichlorobenzene	ND	5.0		µg/L	1	9/15/2006
1,3-Dichloropropane	ND	5.0		µg/L	1	9/15/2006
1,4-Dichlorobenzene	ND	5.0		µg/L	1	9/15/2006
2,2-Dichloropropane	ND	5.0		µg/L	1	9/15/2006
2-Chlorotoluene	ND	5.0		µg/L	1	9/15/2006
4-Chlorotoluene	ND	5.0		µg/L	1	9/15/2006
4-Isopropyltoluene	ND	5.0		µg/L	1	9/15/2006
Benzene	ND	5.0		µg/L	1	9/15/2006
Bromobenzene	ND	5.0		µg/L	1	9/15/2006
Bromodichloromethane	ND	5.0		µg/L	1	9/15/2006
Bromoform	ND	5.0		µg/L	1	9/15/2006
Bromomethane	ND	5.0		µg/L	1	9/15/2006
Carbon tetrachloride	ND	5.0		µg/L	1	9/15/2006
Chlorobenzene	ND	5.0		µg/L	1	9/15/2006
Chloroethane	ND	5.0		µg/L	1	9/15/2006
Chloroform	ND	5.0		µg/L	1	9/15/2006
Chloromethane	ND	5.0		µg/L	1	9/15/2006
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	9/15/2006
Dibromochloromethane	ND	5.0		µg/L	1	9/15/2006
Dibromomethane	ND	5.0		µg/L	1	9/15/2006
Dichlorodifluoromethane	ND	5.0		µg/L	1	9/15/2006

Qualifiers:
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out
- E Value above quantitation range
- ND Not Detected at the Reporting Limit

Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: *25-Sep-06*

CLIENT: Ninyo & Moore
Lab Order: 086619
Project: I-5 CALTRANS, 105812001
Lab ID: 086619-012

Client Sample ID: NM03-Equip-01
Collection Date: 9/12/2006 2:20:00 PM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060915A	QC Batch:	Q06VW152			PrepDate:	Analyst: **HH**
Ethylbenzene	ND	5.0		µg/L	1	9/15/2006
Hexachlorobutadiene	ND	5.0		µg/L	1	9/15/2006
Isopropylbenzene	ND	5.0		µg/L	1	9/15/2006
m,p-Xylene	ND	10		µg/L	1	9/15/2006
Methylene chloride	ND	5.0		µg/L	1	9/15/2006
n-Butylbenzene	ND	5.0		µg/L	1	9/15/2006
n-Propylbenzene	ND	5.0		µg/L	1	9/15/2006
Naphthalene	ND	5.0		µg/L	1	9/15/2006
o-Xylene	ND	5.0		µg/L	1	9/15/2006
sec-Butylbenzene	ND	5.0		µg/L	1	9/15/2006
Styrene	ND	5.0		µg/L	1	9/15/2006
tert-Butylbenzene	ND	5.0		µg/L	1	9/15/2006
Tetrachloroethene	ND	5.0		µg/L	1	9/15/2006
Toluene	ND	5.0		µg/L	1	9/15/2006
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	9/15/2006
Trichloroethene	ND	5.0		µg/L	1	9/15/2006
Trichlorofluoromethane	ND	5.0		µg/L	1	9/15/2006
Vinyl chloride	ND	5.0		µg/L	1	9/15/2006
Surr: 1,2-Dichloroethane-d4	101	74-132		%REC	1	9/15/2006
Surr: 4-Bromofluorobenzene	91.5	72-121		%REC	1	9/15/2006
Surr: Dibromofluoromethane	105	72-132		%REC	1	9/15/2006
Surr: Toluene-d8	103	80-124		%REC	1	9/15/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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CLIENT: Ninyo & Moore
Work Order: 086619
Project: I-5 CALTRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **MB-30485A** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **9/22/2006** RunNo: **68066**
Client ID: **PBS** Batch ID: **30485** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **9/22/2006** SeqNo: **1014467**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Cobalt	ND	1.0									
Copper	ND	2.0									
Lead	ND	1.0									
Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	ND	1.0									

Sample ID: **LCS-30485** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **9/22/2006** RunNo: **68066**
Client ID: **LCSS** Batch ID: **30485** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **9/22/2006** SeqNo: **1014468**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	54.879	2.0	50.00	0	110	80	120				
Arsenic	52.952	1.0	50.00	0	106	80	120				
Barium	54.011	1.0	50.00	0	108	80	120				
Beryllium	54.035	1.0	50.00	0	108	80	120				
Cadmium	52.364	1.0	50.00	0	105	80	120				
Chromium	53.842	1.0	50.00	0	108	80	120				
Cobalt	54.544	1.0	50.00	0	109	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Ninyo & Moore
Work Order: 086619
Project: I-5 CALTRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **LCS-30485** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **9/22/2006** RunNo: **68066**
Client ID: **LCSS** Batch ID: **30485** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **9/22/2006** SeqNo: **1014468**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	57.925	2.0	50.00	0	116	80	120				
Lead	54.035	1.0	50.00	0	108	80	120				
Molybdenum	55.199	1.0	50.00	0	110	80	120				
Nickel	54.245	1.0	50.00	0	108	80	120				
Selenium	50.883	1.0	50.00	0	102	80	120				
Silver	56.494	1.0	50.00	0	113	80	120				
Thallium	53.553	1.0	50.00	0	107	80	120				
Vanadium	54.820	1.0	50.00	0	110	80	120				
Zinc	52.276	1.0	50.00	0	105	80	120				

Sample ID: **086619-011ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **9/22/2006** RunNo: **68066**
Client ID: **NM03-B11-20.0** Batch ID: **30485** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **9/22/2006** SeqNo: **1014481**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.934	2.0						0.7053	0	20	
Arsenic	ND	1.0						0	0	20	
Barium	13.525	1.0						12.72	6.16	20	
Beryllium	ND	1.0						0	0	20	
Cadmium	ND	1.0						0	0	20	
Chromium	52.842	1.0						50.09	5.34	20	
Cobalt	13.557	1.0						12.78	5.93	20	
Copper	31.831	2.0						30.27	5.02	20	
Lead	0.809	1.0						0.8836	0	20	
Molybdenum	0.130	1.0						0.1103	0	20	
Nickel	26.095	1.0						24.54	6.12	20	
Selenium	ND	1.0						0	0	20	
Silver	ND	1.0						0	0	20	
Thallium	ND	1.0						0	0	20	
Vanadium	38.111	1.0						36.18	5.20	20	
Zinc	22.801	1.0						21.47	6.03	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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Work Order: 086619
Project: I-5 CALTRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **086619-011AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **9/22/2006** RunNo: **68066**
Client ID: **NM03-B11-20.0** Batch ID: **30485** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **9/22/2006** SeqNo: **1014482**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	91.799	2.0	125.0	0.7053	72.9	24	110				
Arsenic	109.607	1.0	125.0	0	87.7	61	104				
Barium	124.079	1.0	125.0	12.72	89.1	35	135				
Beryllium	115.477	1.0	125.0	0	92.4	64	104				
Cadmium	111.669	1.0	125.0	0	89.3	65	106				
Chromium	163.673	1.0	125.0	50.09	90.9	47	122				
Cobalt	127.416	1.0	125.0	12.78	91.7	55	111				
Copper	162.524	2.0	125.0	30.27	106	52	132				
Lead	112.879	1.0	125.0	0.8836	89.6	37	128				
Molybdenum	115.071	1.0	125.0	0.1103	92.0	58	108				
Nickel	140.180	1.0	125.0	24.54	92.5	48	120				
Selenium	104.618	1.0	125.0	0	83.7	57	105				
Silver	126.384	1.0	125.0	0	101	44	116				
Thallium	108.436	1.0	125.0	0	86.7	55	103				
Vanadium	154.600	1.0	125.0	36.18	94.7	57	116				
Zinc	129.169	1.0	125.0	21.47	86.2	41	120				

Sample ID: **MB-30485B** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **9/22/2006** RunNo: **68066**
Client ID: **PBS** Batch ID: **30485** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **9/22/2006** SeqNo: **1014639**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	0.021	1.0									
Chromium	ND	1.0									
Cobalt	ND	1.0									
Copper	ND	2.0									
Lead	ND	1.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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Project: I-5 CALTRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **MB-30485B** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **9/22/2006** RunNo: **68066**
Client ID: **PBS** Batch ID: **30485** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **9/22/2006** SeqNo: **1014639**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	ND	1.0									

Sample ID: **086814-006ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **9/22/2006** RunNo: **68066**
Client ID: **ZZZZZZ** Batch ID: **30485** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **9/22/2006** SeqNo: **1014648**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	1.337	2.0						1.305	0	20	
Arsenic	2.655	1.0						2.468	7.30	20	
Barium	190.511	1.0						171.3	10.6	20	
Beryllium	ND	1.0						0	0	20	
Cadmium	0.196	1.0						0.1510	0	20	
Chromium	72.215	1.0						65.12	10.3	20	
Cobalt	16.408	1.0						14.54	12.1	20	
Copper	41.163	2.0						37.08	10.4	20	
Lead	27.113	1.0						23.97	12.3	20	
Molybdenum	0.147	1.0						0.1251	0	20	
Nickel	100.587	1.0						90.82	10.2	20	
Selenium	ND	1.0						0	0	20	
Silver	ND	1.0						0	0	20	
Thallium	ND	1.0						0	0	20	
Vanadium	47.457	1.0						42.81	10.3	20	
Zinc	68.209	1.0						60.77	11.5	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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Project: I-5 CALTRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **086814-006AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **9/22/2006** RunNo: **68066**
Client ID: **ZZZZZZ** Batch ID: **30485** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **9/22/2006** SeqNo: **1014649**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	54.705	2.0	125.0	1.305	42.7	24	110				
Arsenic	95.506	1.0	125.0	2.468	74.4	61	104				
Barium	287.834	1.0	125.0	171.3	93.2	35	135				
Beryllium	101.227	1.0	125.0	0	81.0	64	104				
Cadmium	99.294	1.0	125.0	0.1510	79.3	65	106				
Chromium	173.063	1.0	125.0	65.12	86.4	47	122				
Cobalt	114.505	1.0	125.0	14.54	80.0	55	111				
Copper	164.230	2.0	125.0	37.08	102	52	132				
Lead	121.729	1.0	125.0	23.97	78.2	37	128				
Molybdenum	97.705	1.0	125.0	0.1251	78.1	58	108				
Nickel	200.253	1.0	125.0	90.82	87.5	48	120				
Selenium	85.028	1.0	125.0	0	68.0	57	105				
Silver	114.934	1.0	125.0	0	91.9	44	116				
Thallium	91.546	1.0	125.0	0	73.2	55	103				
Vanadium	153.175	1.0	125.0	42.81	88.3	57	116				
Zinc	157.494	1.0	125.0	60.77	77.4	41	120				

Sample ID: **086814-006AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **9/22/2006** RunNo: **68066**
Client ID: **ZZZZZZ** Batch ID: **30485** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **9/22/2006** SeqNo: **1014650**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	55.562	2.0	125.0	1.305	43.4	24	110	54.70	1.55	20	
Arsenic	94.453	1.0	125.0	2.468	73.6	61	104	95.51	1.11	20	
Barium	271.749	1.0	125.0	171.3	80.3	35	135	287.8	5.75	20	
Beryllium	100.000	1.0	125.0	0	80.0	64	104	101.2	1.22	20	
Cadmium	98.205	1.0	125.0	0.1510	78.4	65	106	99.29	1.10	20	
Chromium	170.177	1.0	125.0	65.12	84.0	47	122	173.1	1.68	20	
Cobalt	113.338	1.0	125.0	14.54	79.0	55	111	114.5	1.02	20	
Copper	160.707	2.0	125.0	37.08	98.9	52	132	164.2	2.17	20	
Lead	125.027	1.0	125.0	23.97	80.8	37	128	121.7	2.67	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Ninyo & Moore
Work Order: 086619
Project: I-5 CALTRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **086814-006AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **9/22/2006** RunNo: **68066**
Client ID: **ZZZZZZ** Batch ID: **30485** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **9/22/2006** SeqNo: **1014650**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	96.468	1.0	125.0	0.1251	77.1	58	108	97.71	1.27	20	
Nickel	197.461	1.0	125.0	90.82	85.3	48	120	200.3	1.40	20	
Selenium	84.233	1.0	125.0	0	67.4	57	105	85.03	0.939	20	
Silver	113.425	1.0	125.0	0	90.7	44	116	114.9	1.32	20	
Thallium	90.627	1.0	125.0	0	72.5	55	103	91.55	1.01	20	
Vanadium	150.810	1.0	125.0	42.81	86.4	57	116	153.2	1.56	20	
Zinc	153.242	1.0	125.0	60.77	74.0	41	120	157.5	2.74	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Ninyo & Moore
Work Order: 086619
Project: I-5 CALTRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_W

Sample ID: **MB-30377** SampType: **MBLK** TestCode: **6010_W** Units: **mg/L** Prep Date: **9/20/2006** RunNo: **67919**
Client ID: **PBW** Batch ID: **30377** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **9/20/2006** SeqNo: **1012141**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	0.0050									
Arsenic	ND	0.010									
Barium	ND	0.0030									
Beryllium	ND	0.0030									
Cadmium	ND	0.0030									
Chromium	ND	0.0030									
Cobalt	ND	0.0030									
Copper	ND	0.0050									
Lead	ND	0.0050									
Molybdenum	ND	0.0050									
Nickel	ND	0.0050									
Selenium	ND	0.010									
Silver	ND	0.0030									
Thallium	ND	0.015									
Vanadium	ND	0.0030									
Zinc	ND	0.010									

Sample ID: **LCS-30377** SampType: **LCS** TestCode: **6010_W** Units: **mg/L** Prep Date: **9/20/2006** RunNo: **67919**
Client ID: **LCSW** Batch ID: **30377** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **9/20/2006** SeqNo: **1012142**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.955	0.0050	1.000	0	95.5	85	115				
Arsenic	0.952	0.010	1.000	0	95.2	85	115				
Barium	0.979	0.0030	1.000	0	97.9	85	115				
Beryllium	0.978	0.0030	1.000	0	97.8	85	115				
Cadmium	0.967	0.0030	1.000	0	96.7	85	115				
Chromium	0.973	0.0030	1.000	0	97.3	85	115				
Cobalt	0.966	0.0030	1.000	0	96.6	85	115				
Copper	1.023	0.0050	1.000	0	102	85	115				
Lead	0.965	0.0050	1.000	0	96.5	85	115				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Ninyo & Moore
Work Order: 086619
Project: I-5 CALTRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_W

Sample ID: **LCS-30377** SampType: **LCS** TestCode: **6010_W** Units: **mg/L** Prep Date: **9/20/2006** RunNo: **67919**
Client ID: **LCSW** Batch ID: **30377** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **9/20/2006** SeqNo: **1012142**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Molybdenum	0.971	0.0050	1.000	0	97.1	85	115				
Nickel	0.969	0.0050	1.000	0	96.9	85	115				
Selenium	0.924	0.010	1.000	0	92.4	85	115				
Silver	0.959	0.0030	1.000	0	95.9	85	115				
Thallium	0.967	0.015	1.000	0	96.7	85	115				
Vanadium	0.967	0.0030	1.000	0	96.7	85	115				
Zinc	0.965	0.010	1.000	0	96.5	85	115				

Sample ID: **086625-005CMS** SampType: **MS** TestCode: **6010_W** Units: **mg/L** Prep Date: **9/20/2006** RunNo: **67919**
Client ID: **ZZZZZZ** Batch ID: **30377** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **9/20/2006** SeqNo: **1012223**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	2.442	0.25	2.500	0.2915	86.0	83	117				
Arsenic	3.249	0.50	2.500	0	130	81	116				S
Barium	2.617	0.15	2.500	0.1770	97.6	63	132				
Beryllium	2.520	0.15	2.500	0	101	85	114				
Cadmium	2.624	0.15	2.500	0	105	83	115				
Chromium	2.538	0.15	2.500	0	102	83	115				
Cobalt	2.676	0.15	2.500	0	107	83	116				
Copper	2.743	0.25	2.500	0	110	85	118				
Lead	2.513	0.25	2.500	0	101	82	113				
Molybdenum	7.456	0.25	2.500	4.193	131	86	115				S
Nickel	3.058	0.25	2.500	0.3735	107	86	113				
Selenium	6.422	0.50	2.500	3.230	128	80	115				S
Silver	2.556	0.15	2.500	0	102	40	140				
Thallium	2.395	0.75	2.500	0	95.8	82	113				
Vanadium	8.065	0.15	2.500	4.724	134	86	114				S
Zinc	2.790	0.50	2.500	0.4727	92.7	81	116				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_W

Sample ID: **086625-005CMSD** SampType: **MSD** TestCode: **6010_W** Units: **mg/L** Prep Date: **9/20/2006** RunNo: **67919**
Client ID: **ZZZZZZ** Batch ID: **30377** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **9/20/2006** SeqNo: **1012224**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	2.361	0.25	2.500	0.2915	82.8	83	117	2.442	3.34	20	S
Arsenic	2.992	0.50	2.500	0	120	81	116	3.249	8.25	20	S
Barium	2.483	0.15	2.500	0.1770	92.3	63	132	2.617	5.22	20	
Beryllium	2.424	0.15	2.500	0	97.0	85	114	2.520	3.88	20	
Cadmium	2.533	0.15	2.500	0	101	83	115	2.624	3.54	20	
Chromium	2.439	0.15	2.500	0	97.6	83	115	2.538	3.95	20	
Cobalt	2.581	0.15	2.500	0	103	83	116	2.676	3.63	20	
Copper	2.646	0.25	2.500	0	106	85	118	2.743	3.59	20	
Lead	2.508	0.25	2.500	0	100	82	113	2.513	0.213	20	
Molybdenum	7.237	0.25	2.500	4.193	122	86	115	7.456	2.98	20	S
Nickel	2.948	0.25	2.500	0.3735	103	86	113	3.058	3.65	20	
Selenium	6.144	0.50	2.500	3.230	117	80	115	6.422	4.43	20	S
Silver	2.441	0.15	2.500	0	97.6	40	140	2.556	4.60	20	
Thallium	2.510	0.75	2.500	0	100	82	113	2.395	4.67	20	
Vanadium	7.838	0.15	2.500	4.724	125	86	114	8.065	2.85	20	S
Zinc	2.861	0.50	2.500	0.4727	95.5	81	116	2.790	2.54	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7470_W

Sample ID: **086720-007A-MS** SampType: **MS** TestCode: **7470_W** Units: **µg/L** Prep Date: **9/19/2006** RunNo: **67935**
Client ID: **ZZZZZZ** Batch ID: **30409** TestNo: **EPA 7470A** **EPA 7470** Analysis Date: **9/20/2006** SeqNo: **1012384**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	9.813	0.20	10.00	0	98.1	70	130				

Sample ID: **086720-007A-MSD** SampType: **MSD** TestCode: **7470_W** Units: **µg/L** Prep Date: **9/19/2006** RunNo: **67935**
Client ID: **ZZZZZZ** Batch ID: **30409** TestNo: **EPA 7470A** **EPA 7470** Analysis Date: **9/20/2006** SeqNo: **1012385**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	9.888	0.20	10.00	0	98.9	70	130	9.813	0.765	20	

Sample ID: **LCS-30409** SampType: **LCS** TestCode: **7470_W** Units: **µg/L** Prep Date: **9/19/2006** RunNo: **67935**
Client ID: **LCSW** Batch ID: **30409** TestNo: **EPA 7470A** **EPA 7470** Analysis Date: **9/20/2006** SeqNo: **1012386**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	10.314	0.20	10.00	0.05971	103	85	115				

Sample ID: **MB-30409** SampType: **MBLK** TestCode: **7470_W** Units: **µg/L** Prep Date: **9/19/2006** RunNo: **67935**
Client ID: **PBW** Batch ID: **30409** TestNo: **EPA 7470A** **EPA 7470** Analysis Date: **9/20/2006** SeqNo: **1012387**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.060	0.20									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **086593-072A-MS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **9/21/2006** RunNo: **68013**
Client ID: **ZZZZZZ** Batch ID: **30350** TestNo: **EPA 7471A** **EPA 7471** Analysis Date: **9/21/2006** SeqNo: **1013711**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.971	0.10	0.8300	0.1756	95.8	67	160				

Sample ID: **086593-072A-MSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **9/21/2006** RunNo: **68013**
Client ID: **ZZZZZZ** Batch ID: **30350** TestNo: **EPA 7471A** **EPA 7471** Analysis Date: **9/21/2006** SeqNo: **1013712**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.001	0.10	0.8300	0.1756	99.4	67	160	0.9707	3.04	20	

Sample ID: **LCS-30350** SampType: **lcs** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **9/21/2006** RunNo: **68013**
Client ID: **LCSS** Batch ID: **30350** TestNo: **EPA 7471A** **EPA 7471** Analysis Date: **9/21/2006** SeqNo: **1013730**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.839	0.10	0.8300	0	101	80	120				

Sample ID: **MB-30350** SampType: **mblk** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **9/21/2006** RunNo: **68013**
Client ID: **PBS** Batch ID: **30350** TestNo: **EPA 7471A** **EPA 7471** Analysis Date: **9/21/2006** SeqNo: **1013731**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Sample ID: **MB-30350** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **9/21/2006** RunNo: **68034**
Client ID: **PBS** Batch ID: **30350** TestNo: **EPA 7471A** **EPA 7471** Analysis Date: **9/22/2006** SeqNo: **1014072**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **LCS-30350**	SampType: **LCS**	TestCode: **7471_S**	Units: **mg/Kg**	Prep Date: **9/21/2006**	RunNo: **68034**
Client ID: **LCSS**	Batch ID: **30350**	TestNo: **EPA 7471A**	**EPA 7471**	Analysis Date: **9/22/2006**	SeqNo: **1014073**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.903	0.10	0.8300	0	109	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **086817-004A-DUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **9/22/2006** RunNo: **68096**
Client ID: **ZZZZZZ** Batch ID: **30500** TestNo: **EPA 7471A** **EPA 7471** Analysis Date: **9/22/2006** SeqNo: **1015024**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.370	0.10						0.3565	3.76	20	

Sample ID: **086817-004A-MS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **9/22/2006** RunNo: **68096**
Client ID: **ZZZZZZ** Batch ID: **30500** TestNo: **EPA 7471A** **EPA 7471** Analysis Date: **9/22/2006** SeqNo: **1015025**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.220	0.10	0.8300	0.3565	104	67	160				

Sample ID: **086817-004A-MSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **9/22/2006** RunNo: **68096**
Client ID: **ZZZZZZ** Batch ID: **30500** TestNo: **EPA 7471A** **EPA 7471** Analysis Date: **9/22/2006** SeqNo: **1015026**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.632	0.10	0.8300	0.3565	154	67	160	1.220	28.9	20	R

Sample ID: **LCS-30500** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **9/22/2006** RunNo: **68096**
Client ID: **LCSS** Batch ID: **30500** TestNo: **EPA 7471A** **EPA 7471** Analysis Date: **9/22/2006** SeqNo: **1015034**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.783	0.10	0.8300	0	94.3	80	120				

Sample ID: **MB-30500** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **9/22/2006** RunNo: **68096**
Client ID: **PBS** Batch ID: **30500** TestNo: **EPA 7471A** **EPA 7471** Analysis Date: **9/22/2006** SeqNo: **1015035**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_S

Sample ID: **MB-30335** SampType: **MBLK** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **9/18/2006** RunNo: **67799**
Client ID: **PBS** Batch ID: **30335** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **9/18/2006** SeqNo: **1010362**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	16									
Aroclor 1221	ND	33									
Aroclor 1232	ND	16									
Aroclor 1242	ND	16									
Aroclor 1248	ND	16									
Aroclor 1254	ND	16									
Aroclor 1260	ND	16									
Aroclor 1262	ND	16									
Aroclor 1268	ND	16									
Surr: Decachlorobiphenyl	13.592		16.67		81.5	55	124				
Surr: Tetrachloro-m-xylene	15.288		16.67		91.7	74	132				

Sample ID: **LCS-30335** SampType: **LCS** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **9/18/2006** RunNo: **67799**
Client ID: **LCSS** Batch ID: **30335** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **9/18/2006** SeqNo: **1010363**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	142.653	16	166.7	0	85.6	77	109				
Aroclor 1260	143.918	16	166.7	0	86.3	75	110				
Surr: Decachlorobiphenyl	14.613		16.67		87.7	55	124				
Surr: Tetrachloro-m-xylene	14.495		16.67		87.0	74	132				

Sample ID: **086619-010AMS** SampType: **MS** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **9/18/2006** RunNo: **67799**
Client ID: **NM03-B11-15.0** Batch ID: **30335** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **9/18/2006** SeqNo: **1010364**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	140.067	16	166.7	0	84.0	72	123				
Aroclor 1260	139.550	16	166.7	0	83.7	66	121				
Surr: Decachlorobiphenyl	14.118		16.67		84.7	55	124				
Surr: Tetrachloro-m-xylene	15.092		16.67		90.5	74	132				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_S

Sample ID: **086619-010AMSD** SampType: **MSD** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **9/18/2006** RunNo: **67799**
Client ID: **NM03-B11-15.0** Batch ID: **30335** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **9/18/2006** SeqNo: **1010365**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	144.068	16	166.7	0	86.4	72	123	140.1	2.82	30	
Aroclor 1260	146.917	16	166.7	0	88.1	66	121	139.6	5.14	30	
Surr: Decachlorobiphenyl	14.655		16.67		87.9	55	124		0	0	
Surr: Tetrachloro-m-xylene	15.455		16.67		92.7	74	132		0	0	

Sample ID: **086619-008ADUP** SampType: **DUP** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **9/18/2006** RunNo: **67799**
Client ID: **NM03-B11-5.0** Batch ID: **30335** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **9/18/2006** SeqNo: **1010371**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	16						0	0	30	
Aroclor 1221	ND	33						0	0	30	
Aroclor 1232	ND	16						0	0	30	
Aroclor 1242	ND	16						0	0	30	
Aroclor 1248	ND	16						0	0	30	
Aroclor 1254	ND	16						0	0	30	
Aroclor 1260	ND	16						0	0	30	
Aroclor 1262	ND	16						0	0	30	
Aroclor 1268	ND	16						0	0	30	
Surr: Decachlorobiphenyl	14.177		16.67		85.0	55	124		0	30	
Surr: Tetrachloro-m-xylene	14.340		16.67		86.0	74	132		0	30	

Sample ID: **MB-30335** SampType: **MBLK** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **9/18/2006** RunNo: **67799**
Client ID: **PBS** Batch ID: **30335** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **9/19/2006** SeqNo: **1010430**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	16									
Aroclor 1221	ND	33									
Aroclor 1232	ND	16									
Aroclor 1242	ND	16									
Aroclor 1248	ND	16									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_S

Sample ID: **MB-30335**	SampType: **MBLK**	TestCode: **8082_S**	Units: **µg/Kg**	Prep Date: **9/18/2006**	RunNo: **67799**
Client ID: **PBS**	Batch ID: **30335**	TestNo: **EPA 8082**	**EPA 3550B**	Analysis Date: **9/19/2006**	SeqNo: **1010430**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	ND	16									
Aroclor 1260	ND	16									
Aroclor 1262	ND	16									
Aroclor 1268	ND	16									
Surr: Decachlorobiphenyl	13.698		16.67		82.2	55	124				
Surr: Tetrachloro-m-xylene	15.373		16.67		92.2	74	132				

Sample ID: **LCS-30335**	SampType: **LCS**	TestCode: **8082_S**	Units: **µg/Kg**	Prep Date: **9/18/2006**	RunNo: **67799**
Client ID: **LCSS**	Batch ID: **30335**	TestNo: **EPA 8082**	**EPA 3550B**	Analysis Date: **9/19/2006**	SeqNo: **1010431**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	140.695	16	166.7	0	84.4	77	109				
Aroclor 1260	141.372	16	166.7	0	84.8	75	110				
Surr: Decachlorobiphenyl	14.275		16.67		85.6	55	124				
Surr: Tetrachloro-m-xylene	14.062		16.67		84.4	74	132				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
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ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_W

Sample ID: **MB-30370** SampType: **MBLK** TestCode: **8082_W** Units: **µg/L** Prep Date: **9/19/2006** RunNo: **67891**
Client ID: **PBW** Batch ID: **30370** TestNo: **EPA 8082** **EPA 3510C** Analysis Date: **9/19/2006** SeqNo: **1011643**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.50									
Aroclor 1221	ND	1.0									
Aroclor 1232	ND	0.50									
Aroclor 1242	ND	0.50									
Aroclor 1248	ND	0.50									
Aroclor 1254	ND	0.50									
Aroclor 1260	ND	0.50									
Aroclor 1262	ND	0.50									
Aroclor 1268	ND	0.50									
Surr: Decachlorobiphenyl	0.347		0.5000		69.5	9	119				
Surr: Tetrachloro-m-xylene	0.438		0.5000		87.6	40	133				

Sample ID: **LCS-30370** SampType: **LCS** TestCode: **8082_W** Units: **µg/L** Prep Date: **9/19/2006** RunNo: **67891**
Client ID: **LCSW** Batch ID: **30370** TestNo: **EPA 8082** **EPA 3510C** Analysis Date: **9/19/2006** SeqNo: **1011644**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	4.279	0.50	5.000	0	85.6	71	104				
Aroclor 1260	4.227	0.50	5.000	0	84.5	67	108				
Surr: Decachlorobiphenyl	0.335		0.5000		67.1	9	119				
Surr: Tetrachloro-m-xylene	0.392		0.5000		78.4	40	133				

Sample ID: **MB-30370MS** SampType: **MS** TestCode: **8082_W** Units: **µg/L** Prep Date: **9/19/2006** RunNo: **67891**
Client ID: **ZZZZZZ** Batch ID: **30370** TestNo: **EPA 8082** **EPA 3510C** Analysis Date: **9/19/2006** SeqNo: **1011645**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	4.136	0.50	5.000	0	82.7	71	104				
Aroclor 1260	4.132	0.50	5.000	0	82.6	67	108				
Surr: Decachlorobiphenyl	0.309		0.5000		61.8	9	119				
Surr: Tetrachloro-m-xylene	0.443		0.5000		88.7	40	133				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_W

Sample ID: **MB-30370MSD** SampType: **MSD** TestCode: **8082_W** Units: **µg/L** Prep Date: **9/19/2006** RunNo: **67891**
Client ID: **ZZZZZZ** Batch ID: **30370** TestNo: **EPA 8082** **EPA 3510C** Analysis Date: **9/19/2006** SeqNo: **1011646**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	4.191	0.50	5.000	0	83.8	71	104	4.136	1.32	30	
Aroclor 1260	4.140	0.50	5.000	0	82.8	67	108	4.132	0.173	30	
Surr: Decachlorobiphenyl	0.329		0.5000		65.8	9	119		0	0	
Surr: Tetrachloro-m-xylene	0.390		0.5000		78.0	40	133		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **R092006LCS1** SampType: **LCS** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **68017**
Client ID: **LCSS** Batch ID: **R06VS200** TestNo: **EPA 8260B** Analysis Date: **9/21/2006** SeqNo: **1013897**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	108.760	5.0	100.0	0	109	79	127				
Benzene	101.380	5.0	100.0	0	101	85	122				
Chlorobenzene	102.970	5.0	100.0	0	103	81	129				
Toluene	101.330	5.0	100.0	0	101	83	122				
Trichloroethene	100.660	5.0	100.0	0	101	84	128				
Surr: 1,2-Dichloroethane-d4	41.910		50.00		83.8	44	157				
Surr: 4-Bromofluorobenzene	49.830		50.00		99.7	69	129				
Surr: Dibromofluoromethane	43.670		50.00		87.3	55	154				
Surr: Toluene-d8	50.190		50.00		100	80	128				

Sample ID: **086619-004AMS** SampType: **MS** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **68017**
Client ID: **NM03-B10-15.0** Batch ID: **R06VS200** TestNo: **EPA 8260B** Analysis Date: **9/21/2006** SeqNo: **1013898**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	95.730	5.0	100.0	0	95.7	54	146				
Benzene	90.100	5.0	100.0	0	90.1	57	144				
Chlorobenzene	89.590	5.0	100.0	0	89.6	51	153				
Toluene	86.170	5.0	100.0	0	86.2	54	144				
Trichloroethene	85.510	5.0	100.0	0	85.5	55	151				
Surr: 1,2-Dichloroethane-d4	47.280		50.00		94.6	44	157				
Surr: 4-Bromofluorobenzene	49.940		50.00		99.9	69	129				
Surr: Dibromofluoromethane	47.060		50.00		94.1	55	154				
Surr: Toluene-d8	47.730		50.00		95.5	80	128				

Sample ID: **086619-004AMSD** SampType: **MSD** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **68017**
Client ID: **NM03-B10-15.0** Batch ID: **R06VS200** TestNo: **EPA 8260B** Analysis Date: **9/21/2006** SeqNo: **1013899**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	123.310	5.0	100.0	0	123	54	146	95.73	25.2	30	
Benzene	107.700	5.0	100.0	0	108	57	144	90.10	17.8	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **086619-004AMSD** SampType: **MSD** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **68017**
Client ID: **NM03-B10-15.0** Batch ID: **R06VS200** TestNo: **EPA 8260B** Analysis Date: **9/21/2006** SeqNo: **1013899**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	108.800	5.0	100.0	0	109	51	153	89.59	19.4	30	
Toluene	107.880	5.0	100.0	0	108	54	144	86.17	22.4	30	
Trichloroethene	106.890	5.0	100.0	0	107	55	151	85.51	22.2	30	
Surr: 1,2-Dichloroethane-d4	45.180		50.00		90.4	44	157		0	30	
Surr: 4-Bromofluorobenzene	49.110		50.00		98.2	69	129		0	30	
Surr: Dibromofluoromethane	46.340		50.00		92.7	55	154		0	30	
Surr: Toluene-d8	49.210		50.00		98.4	80	128		0	30	

Sample ID: **R092106MB2** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **68017**
Client ID: **PBS** Batch ID: **R06VS200** TestNo: **EPA 8260B** Analysis Date: **9/21/2006** SeqNo: **1013900**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **R092106MB2** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **68017**
Client ID: **PBS** Batch ID: **R06VS200** TestNo: **EPA 8260B** Analysis Date: **9/21/2006** SeqNo: **1013900**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **R092106MB2** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **68017**
Client ID: **PBS** Batch ID: **R06VS200** TestNo: **EPA 8260B** Analysis Date: **9/21/2006** SeqNo: **1013900**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	39.580		50.00		79.2	44	157				
Surr: 4-Bromofluorobenzene	44.220		50.00		88.4	69	129				
Surr: Dibromofluoromethane	44.250		50.00		88.5	55	154				
Surr: Toluene-d8	49.170		50.00		98.3	80	128				

Sample ID: **086619-004A** SampType: **DUP** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **68017**
Client ID: **NM03-B10-15.0** Batch ID: **R06VS200** TestNo: **EPA 8260B** Analysis Date: **9/21/2006** SeqNo: **1013901**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0						0	0	30	
1,1,1-Trichloroethane	ND	5.0						0	0	30	
1,1,2,2-Tetrachloroethane	ND	5.0						0	0	30	
1,1,2-Trichloroethane	ND	5.0						0	0	30	
1,1-Dichloroethane	ND	5.0						0	0	30	
1,1-Dichloroethene	ND	5.0						0	0	30	
1,1-Dichloropropene	ND	5.0						0	0	30	
1,2,3-Trichlorobenzene	ND	5.0						0	0	30	
1,2,3-Trichloropropane	ND	5.0						0	0	30	
1,2,4-Trichlorobenzene	ND	5.0						0	0	30	
1,2,4-Trimethylbenzene	ND	5.0						0	0	30	
1,2-Dibromo-3-chloropropane	ND	10						0	0	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **086619-004A** SampType: **DUP** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **68017**
Client ID: **NM03-B10-15.0** Batch ID: **R06VS200** TestNo: **EPA 8260B** Analysis Date: **9/21/2006** SeqNo: **1013901**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane	ND	5.0						0	0	30	
1,2-Dichlorobenzene	ND	5.0						0	0	30	
1,2-Dichloroethane	ND	5.0						0	0	30	
1,2-Dichloropropane	ND	5.0						0	0	30	
1,3,5-Trimethylbenzene	ND	5.0						0	0	30	
1,3-Dichlorobenzene	ND	5.0						0	0	30	
1,3-Dichloropropane	ND	5.0						0	0	30	
1,4-Dichlorobenzene	ND	5.0						0	0	30	
2,2-Dichloropropane	ND	5.0						0	0	30	
2-Chlorotoluene	ND	5.0						0	0	30	
4-Chlorotoluene	ND	5.0						0	0	30	
4-Isopropyltoluene	ND	5.0						0	0	30	
Benzene	ND	5.0						0	0	30	
Bromobenzene	ND	5.0						0	0	30	
Bromodichloromethane	ND	5.0						0	0	30	
Bromoform	ND	5.0						0	0	30	
Bromomethane	ND	5.0						0	0	30	
Carbon tetrachloride	ND	5.0						0	0	30	
Chlorobenzene	ND	5.0						0	0	30	
Chloroethane	ND	5.0						0	0	30	
Chloroform	ND	5.0						0	0	30	
Chloromethane	ND	5.0						0	0	30	
cis-1,2-Dichloroethene	ND	5.0						0	0	30	
cis-1,3-Dichloropropene	ND	5.0						0	0	30	
Dibromochloromethane	ND	5.0						0	0	30	
Dibromomethane	ND	5.0						0	0	30	
Dichlorodifluoromethane	ND	5.0						0	0	30	
Ethylbenzene	ND	5.0						0	0	30	
Hexachlorobutadiene	ND	5.0						0	0	30	
Isopropylbenzene	ND	5.0						0	0	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **086619-004A** SampType: **DUP** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **68017**
Client ID: **NM03-B10-15.0** Batch ID: **R06VS200** TestNo: **EPA 8260B** Analysis Date: **9/21/2006** SeqNo: **1013901**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
m,p-Xylene	ND	10						0	0	30	
Methylene chloride	ND	5.0						0	0	30	
n-Butylbenzene	ND	5.0						0	0	30	
n-Propylbenzene	ND	5.0						0	0	30	
Naphthalene	ND	5.0						0	0	30	
o-Xylene	ND	5.0						0	0	30	
sec-Butylbenzene	ND	5.0						0	0	30	
Styrene	ND	5.0						0	0	30	
tert-Butylbenzene	ND	5.0						0	0	30	
Tetrachloroethene	ND	5.0						0	0	30	
Toluene	ND	5.0						0	0	30	
trans-1,2-Dichloroethene	ND	5.0						0	0	30	
Trichloroethene	ND	5.0						0	0	30	
Trichlorofluoromethane	ND	5.0						0	0	30	
Vinyl chloride	ND	5.0						0	0	30	
Surr: 1,2-Dichloroethane-d4	42.510		50.00		85.0	44	157		0	30	
Surr: 4-Bromofluorobenzene	42.580		50.00		85.2	69	129		0	30	
Surr: Dibromofluoromethane	47.120		50.00		94.2	55	154		0	30	
Surr: Toluene-d8	47.670		50.00		95.3	80	128		0	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **Q091506LC1** SampType: **LCS** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **67792**
Client ID: **LCSW** Batch ID: **Q06VW152** TestNo: **EPA 8260B** Analysis Date: **9/15/2006** SeqNo: **1010242**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	18.620	5.0	20.00	0	93.1	77	131				
Benzene	19.630	5.0	20.00	0	98.2	88	114				
Chlorobenzene	20.940	5.0	20.00	0	105	84	115				
Toluene	20.410	5.0	20.00	0	102	90	114				
Trichloroethene	20.020	5.0	20.00	0	100	82	120				
Surr: 1,2-Dichloroethane-d4	46.270		50.00		92.5	74	132				
Surr: 4-Bromofluorobenzene	54.350		50.00		109	72	121				
Surr: Dibromofluoromethane	48.510		50.00		97.0	72	132				
Surr: Toluene-d8	54.360		50.00		109	80	124				

Sample ID: **Q091506MB1MS** SampType: **MS** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **67792**
Client ID: **ZZZZZZ** Batch ID: **Q06VW152** TestNo: **EPA 8260B** Analysis Date: **9/15/2006** SeqNo: **1010243**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	18.790	5.0	20.00	0	94.0	77	131				
Benzene	20.040	5.0	20.00	0	100	88	114				
Chlorobenzene	21.600	5.0	20.00	0	108	84	115				
Toluene	21.390	5.0	20.00	0	107	90	114				
Trichloroethene	20.010	5.0	20.00	0	100	82	120				
Surr: 1,2-Dichloroethane-d4	46.690		50.00		93.4	74	132				
Surr: 4-Bromofluorobenzene	54.170		50.00		108	72	121				
Surr: Dibromofluoromethane	48.950		50.00		97.9	72	132				
Surr: Toluene-d8	54.850		50.00		110	80	124				

Sample ID: **Q091506MB1MSD** SampType: **MSD** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **67792**
Client ID: **ZZZZZZ** Batch ID: **Q06VW152** TestNo: **EPA 8260B** Analysis Date: **9/15/2006** SeqNo: **1010244**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	19.100	5.0	20.00	0	95.5	77	131	18.79	1.64	30	
Benzene	20.250	5.0	20.00	0	101	88	114	20.04	1.04	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **Q091506MB1MSD** SampType: **MSD** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **67792**
Client ID: **ZZZZZZ** Batch ID: **Q06VW152** TestNo: **EPA 8260B** Analysis Date: **9/15/2006** SeqNo: **1010244**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	21.050	5.0	20.00	0	105	84	115	21.60	2.58	30	
Toluene	20.860	5.0	20.00	0	104	90	114	21.39	2.51	30	
Trichloroethene	20.960	5.0	20.00	0	105	82	120	20.01	4.64	30	
Surr: 1,2-Dichloroethane-d4	46.420		50.00		92.8	74	132		0	30	
Surr: 4-Bromofluorobenzene	54.260		50.00		109	72	121		0	30	
Surr: Dibromofluoromethane	48.370		50.00		96.7	72	132		0	30	
Surr: Toluene-d8	54.890		50.00		110	80	124		0	30	

Sample ID: **Q091506MB1** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **67792**
Client ID: **PBW** Batch ID: **Q06VW152** TestNo: **EPA 8260B** Analysis Date: **9/15/2006** SeqNo: **1010245**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	5.0									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **Q091506MB1** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **67792**
Client ID: **PBW** Batch ID: **Q06VW152** TestNo: **EPA 8260B** Analysis Date: **9/15/2006** SeqNo: **1010245**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **Q091506MB1** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **67792**
Client ID: **PBW** Batch ID: **Q06VW152** TestNo: **EPA 8260B** Analysis Date: **9/15/2006** SeqNo: **1010245**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	48.360		50.00		96.7	74	132				
Surr: 4-Bromofluorobenzene	46.290		50.00		92.6	72	121				
Surr: Dibromofluoromethane	51.380		50.00		103	72	132				
Surr: Toluene-d8	51.940		50.00		104	80	124				

Sample ID: **086619-012BDUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **67792**
Client ID: **NM03-Equip-01** Batch ID: **Q06VW152** TestNo: **EPA 8260B** Analysis Date: **9/15/2006** SeqNo: **1010247**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0						0	0	30	
1,1,1-Trichloroethane	ND	5.0						0	0	30	
1,1,2,2-Tetrachloroethane	ND	5.0						0	0	30	
1,1,2-Trichloroethane	ND	5.0						0	0	30	
1,1-Dichloroethane	ND	5.0						0	0	30	
1,1-Dichloroethene	ND	5.0						0	0	30	
1,1-Dichloropropene	ND	5.0						0	0	30	
1,2,3-Trichlorobenzene	ND	5.0						0	0	30	
1,2,3-Trichloropropane	ND	5.0						0	0	30	
1,2,4-Trichlorobenzene	ND	5.0						0	0	30	
1,2,4-Trimethylbenzene	ND	5.0						0	0	30	
1,2-Dibromo-3-chloropropane	ND	5.0						0	0	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **086619-012BDUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **67792**
Client ID: **NM03-Equip-01** Batch ID: **Q06VW152** TestNo: **EPA 8260B** Analysis Date: **9/15/2006** SeqNo: **1010247**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane	ND	5.0						0	0	30	
1,2-Dichlorobenzene	ND	5.0						0	0	30	
1,2-Dichloroethane	ND	5.0						0	0	30	
1,2-Dichloropropane	ND	5.0						0	0	30	
1,3,5-Trimethylbenzene	ND	5.0						0	0	30	
1,3-Dichlorobenzene	ND	5.0						0	0	30	
1,3-Dichloropropane	ND	5.0						0	0	30	
1,4-Dichlorobenzene	ND	5.0						0	0	30	
2,2-Dichloropropane	ND	5.0						0	0	30	
2-Chlorotoluene	ND	5.0						0	0	30	
4-Chlorotoluene	ND	5.0						0	0	30	
4-Isopropyltoluene	ND	5.0						0	0	30	
Benzene	ND	5.0						0	0	30	
Bromobenzene	ND	5.0						0	0	30	
Bromodichloromethane	ND	5.0						0	0	30	
Bromoform	ND	5.0						0	0	30	
Bromomethane	ND	5.0						0	0	30	
Carbon tetrachloride	ND	5.0						0	0	30	
Chlorobenzene	ND	5.0						0	0	30	
Chloroethane	ND	5.0						0	0	30	
Chloroform	ND	5.0						0	0	30	
Chloromethane	ND	5.0						0	0	30	
cis-1,2-Dichloroethene	ND	5.0						0	0	30	
Dibromochloromethane	ND	5.0						0	0	30	
Dibromomethane	ND	5.0						0	0	30	
Dichlorodifluoromethane	ND	5.0						0	0	30	
Ethylbenzene	ND	5.0						0	0	30	
Hexachlorobutadiene	ND	5.0						0	0	30	
Isopropylbenzene	ND	5.0						0	0	30	
m,p-Xylene	ND	10						0	0	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **086619-012BDUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **67792**
Client ID: **NM03-Equip-01** Batch ID: **Q06VW152** TestNo: **EPA 8260B** Analysis Date: **9/15/2006** SeqNo: **1010247**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methylene chloride	ND	5.0						0	0	30	
n-Butylbenzene	ND	5.0						0	0	30	
n-Propylbenzene	ND	5.0						0	0	30	
Naphthalene	ND	5.0						0	0	30	
o-Xylene	ND	5.0						0	0	30	
sec-Butylbenzene	ND	5.0						0	0	30	
Styrene	ND	5.0						0	0	30	
tert-Butylbenzene	ND	5.0						0	0	30	
Tetrachloroethene	ND	5.0						0	0	30	
Toluene	ND	5.0						0	0	30	
trans-1,2-Dichloroethene	ND	5.0						0	0	30	
Trichloroethene	ND	5.0						0	0	30	
Trichlorofluoromethane	ND	5.0						0	0	30	
Vinyl chloride	ND	5.0						0	0	30	
Surr: 1,2-Dichloroethane-d4	51.340		50.00		103	74	132		0	30	
Surr: 4-Bromofluorobenzene	47.210		50.00		94.4	72	121		0	30	
Surr: Dibromofluoromethane	53.020		50.00		106	72	132		0	30	
Surr: Toluene-d8	53.080		50.00		106	80	124		0	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-30318** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **9/15/2006** RunNo: **67712**
Client ID: **PBS** Batch ID: **30318** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **9/15/2006** SeqNo: **1008670**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	330									
1,2-Dichlorobenzene	ND	330									
1,3-Dichlorobenzene	ND	330									
1,4-Dichlorobenzene	ND	330									
2,4,5-Trichlorophenol	ND	330									
2,4,6-Trichlorophenol	ND	330									
2,4-Dichlorophenol	ND	1600									
2,4-Dimethylphenol	ND	330									
2,4-Dinitrophenol	ND	1600									
2,4-Dinitrotoluene	ND	330									
2,6-Dinitrotoluene	ND	330									
2-Chloronaphthalene	ND	330									
2-Chlorophenol	ND	330									
2-Methylnaphthalene	ND	330									
2-Methylphenol	ND	330									
2-Nitroaniline	ND	1600									
2-Nitrophenol	ND	330									
3,3´-Dichlorobenzidine	ND	660									
3-Nitroaniline	ND	1600									
4,6-Dinitro-2-methylphenol	ND	1600									
4-Bromophenyl-phenylether	ND	330									
4-Chloro-3-methylphenol	ND	660									
4-Chloroaniline	ND	660									
4-Chlorophenyl-phenylether	ND	330									
4-Methylphenol	ND	330									
4-Nitroaniline	ND	1600									
4-Nitrophenol	ND	1600									
Acenaphthene	ND	330									
Acenaphthylene	ND	330									
Anthracene	ND	330									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-30318**	SampType: **MBLK**	TestCode: **8270_S_FUL**	Units: **µg/Kg**	Prep Date: **9/15/2006**	RunNo: **67712**
Client ID: **PBS**	Batch ID: **30318**	TestNo: **EPA 8270C**	**EPA 3550B**	Analysis Date: **9/15/2006**	SeqNo: **1008670**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzidine (M)	ND	1600									
Benzo(a)anthracene	ND	330									
Benzo(a)pyrene	ND	330									
Benzo(b)fluoranthene	ND	330									
Benzo(g,h,i)perylene	ND	330									
Benzo(k)fluoranthene	ND	330									
Benzoic acid	ND	1600									
Benzyl alcohol	ND	660									
Bis(2-chloroethoxy)methane	ND	330									
Bis(2-chloroethyl)ether	ND	330									
Bis(2-chloroisopropyl)ether	ND	330									
Bis(2-ethylhexyl)phthalate	ND	330									
Butylbenzylphthalate	ND	330									
Chrysene	ND	330									
Di-n-butylphthalate	ND	330									
Di-n-octylphthalate	ND	330									
Dibenz(a,h)anthracene	ND	330									
Dibenzofuran	ND	330									
Diethylphthalate	ND	330									
Dimethylphthalate	ND	330									
Fluoranthene	ND	330									
Fluorene	ND	330									
Hexachlorobenzene	ND	330									
Hexachlorobutadiene	ND	660									
Hexachlorocyclopentadiene	ND	660									
Hexachloroethane	ND	330									
Indeno(1,2,3-cd)pyrene	ND	330									
Isophorone	ND	330									
N-Nitrosodi-n-propylamine	ND	330									
N-Nitrosodiphenylamine	ND	330									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-30318** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **9/15/2006** RunNo: **67712**
Client ID: **PBS** Batch ID: **30318** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **9/15/2006** SeqNo: **1008670**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	330									
Nitrobenzene	ND	330									
Pentachlorophenol	ND	1600									
Phenanthrene	ND	330									
Phenol	ND	330									
Pyrene	ND	330									
Surr: 1,2-Dichlorobenzene-d4	2486.667		3330		74.7	37	108				
Surr: 2,4,6-Tribromophenol	2992.333		3330		89.9	49	140				
Surr: 2-Chlorophenol-d4	2487.333		3330		74.7	43	109				
Surr: 2-Fluorobiphenyl	2839.000		3330		85.3	47	112				
Surr: 2-Fluorophenol	2365.667		3330		71.0	41	106				
Surr: 4-Terphenyl-d14	4150.000		3330		125	30	136				
Surr: Nitrobenzene-d5	2555.000		3330		76.7	40	118				
Surr: Phenol-d5	2468.333		3330		74.1	42	112				

Sample ID: **LCS-30318** SampType: **LCS** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **9/15/2006** RunNo: **67712**
Client ID: **LCSS** Batch ID: **30318** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **9/15/2006** SeqNo: **1008671**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2833.667	330	3330	0	85.1	64	103				
1,4-Dichlorobenzene	2512.333	330	3330	0	75.4	57	93				
2,4-Dinitrotoluene	3086.333	330	3330	0	92.7	72	133				
2-Chlorophenol	2420.000	330	3330	0	72.7	58	101				
4-Chloro-3-methylphenol	2880.000	660	3330	0	86.5	73	116				
4-Nitrophenol	2314.667	1600	3330	0	69.5	54	135				
Acenaphthene	2972.667	330	3330	0	89.3	64	113				
N-Nitrosodi-n-propylamine	2708.000	330	3330	0	81.3	66	111				
Pentachlorophenol	3005.667	1600	3330	0	90.3	73	130				
Phenol	2499.333	330	3330	0	75.1	61	105				
Pyrene	2968.000	330	3330	0	89.1	61	128				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **LCS-30318** SampType: **LCS** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **9/15/2006** RunNo: **67712**
Client ID: **LCSS** Batch ID: **30318** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **9/15/2006** SeqNo: **1008671**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichlorobenzene-d4	2723.000		3330		81.8	37	108				
Surr: 2,4,6-Tribromophenol	3182.000		3330		95.6	49	140				
Surr: 2-Chlorophenol-d4	2716.667		3330		81.6	43	109				
Surr: 2-Fluorobiphenyl	3057.000		3330		91.8	47	112				
Surr: 2-Fluorophenol	2641.333		3330		79.3	41	106				
Surr: 4-Terphenyl-d14	3072.333		3330		92.3	30	136				
Surr: Nitrobenzene-d5	2834.000		3330		85.1	40	118				
Surr: Phenol-d5	2715.000		3330		81.5	42	112				

Sample ID: **MB-30318MS** SampType: **MS** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **9/15/2006** RunNo: **67712**
Client ID: **ZZZZZZ** Batch ID: **30318** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **9/15/2006** SeqNo: **1008672**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2872.333	330	3330	0	86.3	48	111				
1,4-Dichlorobenzene	2468.667	330	3330	0	74.1	38	102				
2,4-Dinitrotoluene	3316.667	330	3330	0	99.6	52	149				
2-Chlorophenol	2393.000	330	3330	0	71.9	37	113				
4-Chloro-3-methylphenol	3031.667	660	3330	0	91.0	49	136				
4-Nitrophenol	2572.000	1600	3330	0	77.2	43	151				
Acenaphthene	3122.667	330	3330	0	93.8	46	124				
N-Nitrosodi-n-propylamine	2819.333	330	3330	0	84.7	50	119				
Pentachlorophenol	3115.333	1600	3330	0	93.6	63	144				
Phenol	2519.667	330	3330	0	75.7	38	118				
Pyrene	3254.667	330	3330	0	97.7	51	145				
Surr: 1,2-Dichlorobenzene-d4	2597.333		3330		78.0	37	108				
Surr: 2,4,6-Tribromophenol	3372.667		3330		101	49	140				
Surr: 2-Chlorophenol-d4	2657.667		3330		79.8	43	109				
Surr: 2-Fluorobiphenyl	3097.000		3330		93.0	47	112				
Surr: 2-Fluorophenol	2542.667		3330		76.4	41	106				
Surr: 4-Terphenyl-d14	3175.333		3330		95.4	30	136				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-30318MS** SampType: **MS** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **9/15/2006** RunNo: **67712**
Client ID: **ZZZZZZ** Batch ID: **30318** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **9/15/2006** SeqNo: **1008672**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Nitrobenzene-d5	2833.000		3330		85.1	40	118				
Surr: Phenol-d5	2696.000		3330		81.0	42	112				

Sample ID: **MB-30318MSD** SampType: **MSD** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **9/15/2006** RunNo: **67712**
Client ID: **ZZZZZZ** Batch ID: **30318** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **9/15/2006** SeqNo: **1008673**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	3026.333	330	3330	0	90.9	48	111	2872	5.22	30	
1,4-Dichlorobenzene	2694.000	330	3330	0	80.9	38	102	2469	8.73	30	
2,4-Dinitrotoluene	3259.667	330	3330	0	97.9	52	149	3317	1.73	30	
2-Chlorophenol	2545.333	330	3330	0	76.4	37	113	2393	6.17	30	
4-Chloro-3-methylphenol	3045.667	660	3330	0	91.5	49	136	3032	0.461	30	
4-Nitrophenol	2516.000	1600	3330	0	75.6	43	151	2572	2.20	30	
Acenaphthene	3270.667	330	3330	0	98.2	46	124	3123	4.63	30	
N-Nitrosodi-n-propylamine	2948.333	330	3330	0	88.5	50	119	2819	4.47	30	
Pentachlorophenol	3262.333	1600	3330	0	98.0	63	144	3115	4.61	30	
Phenol	2660.333	330	3330	0	79.9	38	118	2520	5.43	30	
Pyrene	3305.000	330	3330	0	99.2	51	145	3255	1.53	30	
Surr: 1,2-Dichlorobenzene-d4	2818.333		3330		84.6	37	108		0	30	
Surr: 2,4,6-Tribromophenol	3427.667		3330		103	49	140		0	30	
Surr: 2-Chlorophenol-d4	2838.667		3330		85.2	43	109		0	30	
Surr: 2-Fluorobiphenyl	3356.667		3330		101	47	112		0	30	
Surr: 2-Fluorophenol	2729.667		3330		82.0	41	106		0	30	
Surr: 4-Terphenyl-d14	3342.333		3330		100	30	136		0	30	
Surr: Nitrobenzene-d5	2958.333		3330		88.8	40	118		0	30	
Surr: Phenol-d5	2830.667		3330		85.0	42	112		0	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **LCS-30318** SampType: **LCS** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **9/15/2006** RunNo: **67712**
Client ID: **LCSS** Batch ID: **30318** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **9/18/2006** SeqNo: **1010250**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2813.667	330	3330	0	84.5	64	103				
1,4-Dichlorobenzene	2517.667	330	3330	0	75.6	57	93				
2,4-Dinitrotoluene	3273.333	330	3330	0	98.3	72	133				
2-Chlorophenol	2492.333	330	3330	0	74.8	58	101				
4-Chloro-3-methylphenol	3018.000	660	3330	0	90.6	73	116				
4-Nitrophenol	2475.667	1600	3330	0	74.3	54	135				
Acenaphthene	3022.333	330	3330	0	90.8	64	113				
N-Nitrosodi-n-propylamine	2898.333	330	3330	0	87.0	66	111				
Pentachlorophenol	3083.000	1600	3330	0	92.6	73	130				
Phenol	2620.667	330	3330	0	78.7	61	105				
Pyrene	3058.333	330	3330	0	91.8	61	128				
Surr: 1,2-Dichlorobenzene-d4	2755.000		3330		82.7	37	108				
Surr: 2,4,6-Tribromophenol	3423.000		3330		103	49	140				
Surr: 2-Chlorophenol-d4	2838.333		3330		85.2	43	109				
Surr: 2-Fluorobiphenyl	3021.333		3330		90.7	47	112				
Surr: 2-Fluorophenol	2724.667		3330		81.8	41	106				
Surr: 4-Terphenyl-d14	3419.000		3330		103	30	136				
Surr: Nitrobenzene-d5	2866.000		3330		86.1	40	118				
Surr: Phenol-d5	2873.667		3330		86.3	42	112				

Sample ID: **MB-30318** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **9/15/2006** RunNo: **67712**
Client ID: **PBS** Batch ID: **30318** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **9/18/2006** SeqNo: **1010251**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	330									
1,2-Dichlorobenzene	ND	330									
1,3-Dichlorobenzene	ND	330									
1,4-Dichlorobenzene	ND	330									
2,4,5-Trichlorophenol	ND	330									
2,4,6-Trichlorophenol	ND	330									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-30318** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **9/15/2006** RunNo: **67712**
Client ID: **PBS** Batch ID: **30318** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **9/18/2006** SeqNo: **1010251**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dichlorophenol	ND	1600									
2,4-Dimethylphenol	ND	330									
2,4-Dinitrophenol	ND	1600									
2,4-Dinitrotoluene	ND	330									
2,6-Dinitrotoluene	ND	330									
2-Chloronaphthalene	ND	330									
2-Chlorophenol	ND	330									
2-Methylnaphthalene	ND	330									
2-Methylphenol	ND	330									
2-Nitroaniline	ND	1600									
2-Nitrophenol	ND	330									
3,3´-Dichlorobenzidine	ND	660									
3-Nitroaniline	ND	1600									
4,6-Dinitro-2-methylphenol	ND	1600									
4-Bromophenyl-phenylether	ND	330									
4-Chloro-3-methylphenol	ND	660									
4-Chloroaniline	ND	660									
4-Chlorophenyl-phenylether	ND	330									
4-Methylphenol	ND	330									
4-Nitroaniline	ND	1600									
4-Nitrophenol	ND	1600									
Acenaphthene	ND	330									
Acenaphthylene	ND	330									
Anthracene	ND	330									
Benzidine (M)	ND	1600									
Benzo(a)anthracene	ND	330									
Benzo(a)pyrene	ND	330									
Benzo(b)fluoranthene	ND	330									
Benzo(g,h,i)perylene	ND	330									
Benzo(k)fluoranthene	ND	330									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-30318** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **9/15/2006** RunNo: **67712**
Client ID: **PBS** Batch ID: **30318** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **9/18/2006** SeqNo: **1010251**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzoic acid	ND	1600									
Benzyl alcohol	ND	660									
Bis(2-chloroethoxy)methane	ND	330									
Bis(2-chloroethyl)ether	ND	330									
Bis(2-chloroisopropyl)ether	ND	330									
Bis(2-ethylhexyl)phthalate	ND	330									
Butylbenzylphthalate	ND	330									
Chrysene	ND	330									
Di-n-butylphthalate	ND	330									
Di-n-octylphthalate	ND	330									
Dibenz(a,h)anthracene	ND	330									
Dibenzofuran	ND	330									
Diethylphthalate	ND	330									
Dimethylphthalate	ND	330									
Fluoranthene	ND	330									
Fluorene	ND	330									
Hexachlorobenzene	ND	330									
Hexachlorobutadiene	ND	660									
Hexachlorocyclopentadiene	ND	660									
Hexachloroethane	ND	330									
Indeno(1,2,3-cd)pyrene	ND	330									
Isophorone	ND	330									
N-Nitrosodi-n-propylamine	ND	330									
N-Nitrosodiphenylamine	ND	330									
Naphthalene	ND	330									
Nitrobenzene	ND	330									
Pentachlorophenol	ND	1600									
Phenanthrene	ND	330									
Phenol	ND	330									
Pyrene	ND	330									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-30318** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **9/15/2006** RunNo: **67712**
Client ID: **PBS** Batch ID: **30318** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **9/18/2006** SeqNo: **1010251**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichlorobenzene-d4	2515.667		3330		75.5	37	108				
Surr: 2,4,6-Tribromophenol	3228.000		3330		96.9	49	140				
Surr: 2-Chlorophenol-d4	2521.333		3330		75.7	43	109				
Surr: 2-Fluorobiphenyl	2865.667		3330		86.1	47	112				
Surr: 2-Fluorophenol	2405.333		3330		72.2	41	106				
Surr: 4-Terphenyl-d14	4350.667		3330		131	30	136				
Surr: Nitrobenzene-d5	2586.333		3330		77.7	40	118				
Surr: Phenol-d5	2497.000		3330		75.0	42	112				

Sample ID: **086619-005ADUP** SampType: **DUP** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **9/15/2006** RunNo: **67712**
Client ID: **NM03-B10-20.0** Batch ID: **30318** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **9/18/2006** SeqNo: **1010771**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	330						0	0	30	
1,2-Dichlorobenzene	ND	330						0	0	30	
1,3-Dichlorobenzene	ND	330						0	0	30	
1,4-Dichlorobenzene	ND	330						0	0	30	
2,4,5-Trichlorophenol	ND	330						0	0	30	
2,4,6-Trichlorophenol	ND	330						0	0	30	
2,4-Dichlorophenol	ND	1600						0	0	30	
2,4-Dimethylphenol	ND	330						0	0	30	
2,4-Dinitrophenol	ND	1600						0	0	30	
2,4-Dinitrotoluene	ND	330						0	0	30	
2,6-Dinitrotoluene	ND	330						0	0	30	
2-Chloronaphthalene	ND	330						0	0	30	
2-Chlorophenol	ND	330						0	0	30	
2-Methylnaphthalene	ND	330						0	0	30	
2-Methylphenol	ND	330						0	0	30	
2-Nitroaniline	ND	1600						0	0	30	
2-Nitrophenol	ND	330						0	0	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **086619-005ADUP** SampType: **DUP** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **9/15/2006** RunNo: **67712**
Client ID: **NM03-B10-20.0** Batch ID: **30318** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **9/18/2006** SeqNo: **1010771**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3,3´-Dichlorobenzidine	ND	660						0	0	30	
3-Nitroaniline	ND	1600						0	0	30	
4,6-Dinitro-2-methylphenol	ND	1600						0	0	30	
4-Bromophenyl-phenylether	ND	330						0	0	30	
4-Chloro-3-methylphenol	ND	660						0	0	30	
4-Chloroaniline	ND	660						0	0	30	
4-Chlorophenyl-phenylether	ND	330						0	0	30	
4-Methylphenol	ND	330						0	0	30	
4-Nitroaniline	ND	1600						0	0	30	
4-Nitrophenol	ND	1600						0	0	30	
Acenaphthene	ND	330						0	0	30	
Acenaphthylene	ND	330						0	0	30	
Anthracene	ND	330						0	0	30	
Benzidine (M)	ND	1600						0	0	30	
Benzo(a)anthracene	ND	330						0	0	30	
Benzo(a)pyrene	ND	330						0	0	30	
Benzo(b)fluoranthene	ND	330						0	0	30	
Benzo(g,h,i)perylene	ND	330						0	0	30	
Benzo(k)fluoranthene	ND	330						0	0	30	
Benzoic acid	ND	1600						0	0	30	
Benzyl alcohol	ND	660						0	0	30	
Bis(2-chloroethoxy)methane	ND	330						0	0	30	
Bis(2-chloroethyl)ether	ND	330						0	0	30	
Bis(2-chloroisopropyl)ether	ND	330						0	0	30	
Bis(2-ethylhexyl)phthalate	1971.667	330						2642	29.1	30	
Butylbenzylphthalate	ND	330						0	0	30	
Chrysene	ND	330						0	0	30	
Di-n-butylphthalate	ND	330						0	0	30	
Di-n-octylphthalate	ND	330						0	0	30	
Dibenz(a,h)anthracene	ND	330						0	0	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **086619-005ADUP** SampType: **DUP** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **9/15/2006** RunNo: **67712**
Client ID: **NM03-B10-20.0** Batch ID: **30318** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **9/18/2006** SeqNo: **1010771**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibenzofuran	ND	330						0	0	30	
Diethylphthalate	ND	330						0	0	30	
Dimethylphthalate	ND	330						0	0	30	
Fluoranthene	ND	330						0	0	30	
Fluorene	ND	330						0	0	30	
Hexachlorobenzene	ND	330						0	0	30	
Hexachlorobutadiene	ND	660						0	0	30	
Hexachlorocyclopentadiene	ND	660						0	0	30	
Hexachloroethane	ND	330						0	0	30	
Indeno(1,2,3-cd)pyrene	ND	330						0	0	30	
Isophorone	ND	330						0	0	30	
N-Nitrosodi-n-propylamine	ND	330						0	0	30	
N-Nitrosodiphenylamine	ND	330						0	0	30	
Naphthalene	ND	330						0	0	30	
Nitrobenzene	ND	330						0	0	30	
Pentachlorophenol	ND	1600						0	0	30	
Phenanthrene	ND	330						0	0	30	
Phenol	ND	330						0	0	30	
Pyrene	ND	330						0	0	30	
Surr: 1,2-Dichlorobenzene-d4	2318.333		3330		69.6	37	108		0	0	
Surr: 2,4,6-Tribromophenol	3550.000		3330		107	49	140		0	0	
Surr: 2-Chlorophenol-d4	2514.333		3330		75.5	43	109		0	0	
Surr: 2-Fluorobiphenyl	2768.333		3330		83.1	47	112		0	0	
Surr: 2-Fluorophenol	2375.667		3330		71.3	41	106		0	0	
Surr: 4-Terphenyl-d14	2939.333		3330		88.3	30	136		0	0	
Surr: Nitrobenzene-d5	2485.000		3330		74.6	40	118		0	0	
Surr: Phenol-d5	2490.000		3330		74.8	42	112		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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Project: I-5 CALTRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **MB-30243**	SampType: **MBLK**	TestCode: **8270_W_FUL**	Units: **µg/L**	Prep Date: **9/14/2006**	RunNo: **67615**
Client ID: **PBW**	Batch ID: **30243**	TestNo: **EPA 8270C**	**EPA 3510C**	Analysis Date: **9/14/2006**	SeqNo: **1006774**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	10									
1,2-Dichlorobenzene	ND	10									
1,3-Dichlorobenzene	ND	10									
1,4-Dichlorobenzene	ND	10									
2,4,5-Trichlorophenol	ND	10									
2,4,6-Trichlorophenol	ND	10									
2,4-Dichlorophenol	ND	10									
2,4-Dimethylphenol	ND	10									
2,4-Dinitrophenol	ND	50									
2,4-Dinitrotoluene	ND	10									
2,6-Dinitrotoluene	ND	10									
2-Chloronaphthalene	ND	10									
2-Chlorophenol	ND	10									
2-Methylnaphthalene	ND	10									
2-Methylphenol	ND	10									
2-Nitroaniline	ND	50									
2-Nitrophenol	ND	10									
3,3´-Dichlorobenzidine	ND	20									
3-Nitroaniline	ND	50									
4,6-Dinitro-2-methylphenol	ND	50									
4-Bromophenyl-phenylether	ND	10									
4-Chloro-3-methylphenol	ND	50									
4-Chloroaniline	ND	20									
4-Chlorophenyl-phenylether	ND	10									
4-Methylphenol	ND	10									
4-Nitroaniline	ND	20									
4-Nitrophenol	ND	50									
Acenaphthene	ND	10									
Acenaphthylene	ND	10									
Anthracene	ND	10									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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Project: I-5 CALTRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **MB-30243**	SampType: **MBLK**	TestCode: **8270_W_FUL**	Units: **µg/L**		Prep Date: **9/14/2006**	RunNo: **67615**							
Client ID: **PBW**	Batch ID: **30243**	TestNo: **EPA 8270C**	**EPA 3510C**		Analysis Date: **9/14/2006**	SeqNo: **1006774**							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Benzidine (M)	ND	50											
Benzo(a)anthracene	ND	10											
Benzo(a)pyrene	ND	10											
Benzo(b)fluoranthene	ND	10											
Benzo(g,h,i)perylene	ND	10											
Benzo(k)fluoranthene	ND	10											
Benzoic acid	ND	50											
Benzyl alcohol	ND	20											
Bis(2-chloroethoxy)methane	ND	10											
Bis(2-chloroethyl)ether	ND	10											
Bis(2-chloroisopropyl)ether	ND	10											
Bis(2-ethylhexyl)phthalate	ND	10											
Butylbenzylphthalate	ND	10											
Chrysene	ND	10											
Di-n-butylphthalate	ND	10											
Di-n-octylphthalate	ND	10											
Dibenz(a,h)anthracene	ND	10											
Dibenzofuran	ND	10											
Diethylphthalate	ND	10											
Dimethylphthalate	ND	10											
Fluoranthene	ND	10											
Fluorene	ND	10											
Hexachlorobenzene	ND	10											
Hexachlorobutadiene	ND	20											
Hexachlorocyclopentadiene	ND	10											
Hexachloroethane	ND	10											
Indeno(1,2,3-cd)pyrene	ND	10											
Isophorone	ND	10											
N-Nitrosodi-n-propylamine	ND	10											
N-Nitrosodiphenylamine	ND	10											

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **MB-30243** SampType: **MBLK** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **9/14/2006** RunNo: **67615**
Client ID: **PBW** Batch ID: **30243** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **9/14/2006** SeqNo: **1006774**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	10									
Nitrobenzene	ND	10									
Pentachlorophenol	ND	50									
Phenanthrene	ND	10									
Phenol	ND	10									
Pyrene	ND	10									
Surr: 1,2-Dichlorobenzene-d4	74.560		100.0		74.6	27	93				
Surr: 2,4,6-Tribromophenol	93.580		100.0		93.6	57	130				
Surr: 2-Chlorophenol-d4	71.940		100.0		71.9	35	94				
Surr: 2-Fluorobiphenyl	80.620		100.0		80.6	40	100				
Surr: 2-Fluorophenol	45.920		100.0		45.9	19	61				
Surr: 4-Terphenyl-d14	94.930		100.0		94.9	32	134				
Surr: Nitrobenzene-d5	77.380		100.0		77.4	38	108				
Surr: Phenol-d5	33.200		100.0		33.2	11	46				

Sample ID: **LCS-30243** SampType: **LCS** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **9/14/2006** RunNo: **67615**
Client ID: **LCSW** Batch ID: **30243** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **9/14/2006** SeqNo: **1006775**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	84.060	10	100.0	0	84.1	59	101				
1,4-Dichlorobenzene	73.230	10	100.0	0	73.2	51	91				
2,4-Dinitrotoluene	105.890	10	100.0	0	106	72	124				
2-Chlorophenol	68.010	10	100.0	0	68.0	53	91				
4-Chloro-3-methylphenol	89.260	50	100.0	0	89.3	67	111				
4-Nitrophenol	39.600	50	100.0	0	39.6	29	77				
Acenaphthene	89.940	10	100.0	0	89.9	63	108				
N-Nitrosodi-n-propylamine	84.150	10	100.0	0	84.2	62	108				
Pentachlorophenol	99.890	50	100.0	0	99.9	71	124				
Phenol	35.370	10	100.0	0	35.4	29	56				
Pyrene	110.690	10	100.0	0	111	55	130				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **LCS-30243** SampType: **LCS** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **9/14/2006** RunNo: **67615**
Client ID: **LCSW** Batch ID: **30243** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **9/14/2006** SeqNo: **1006775**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichlorobenzene-d4	74.680		100.0		74.7	27	93				
Surr: 2,4,6-Tribromophenol	108.890		100.0		109	57	130				
Surr: 2-Chlorophenol-d4	74.970		100.0		75.0	35	94				
Surr: 2-Fluorobiphenyl	83.330		100.0		83.3	40	100				
Surr: 2-Fluorophenol	48.690		100.0		48.7	19	61				
Surr: 4-Terphenyl-d14	95.200		100.0		95.2	32	134				
Surr: Nitrobenzene-d5	80.940		100.0		80.9	38	108				
Surr: Phenol-d5	35.300		100.0		35.3	11	46				

Sample ID: **MB-30243MS** SampType: **MS** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **9/14/2006** RunNo: **67615**
Client ID: **ZZZZZZ** Batch ID: **30243** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **9/14/2006** SeqNo: **1006776**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	85.480	10	100.0	0	85.5	59	101				
1,4-Dichlorobenzene	74.760	10	100.0	0	74.8	51	91				
2,4-Dinitrotoluene	106.540	10	100.0	0	107	72	124				
2-Chlorophenol	69.760	10	100.0	0	69.8	53	91				
4-Chloro-3-methylphenol	90.450	50	100.0	0	90.4	67	111				
4-Nitrophenol	40.270	50	100.0	0	40.3	29	77				
Acenaphthene	91.350	10	100.0	0	91.4	63	108				
N-Nitrosodi-n-propylamine	86.240	10	100.0	0	86.2	62	108				
Pentachlorophenol	102.430	50	100.0	0	102	71	124				
Phenol	36.340	10	100.0	0	36.3	29	56				
Pyrene	112.640	10	100.0	0	113	55	130				
Surr: 1,2-Dichlorobenzene-d4	74.690		100.0		74.7	27	93				
Surr: 2,4,6-Tribromophenol	108.510		100.0		109	57	130				
Surr: 2-Chlorophenol-d4	76.640		100.0		76.6	35	94				
Surr: 2-Fluorobiphenyl	82.350		100.0		82.4	40	100				
Surr: 2-Fluorophenol	47.910		100.0		47.9	19	61				
Surr: 4-Terphenyl-d14	95.080		100.0		95.1	32	134				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **MB-30243MS** SampType: **MS** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **9/14/2006** RunNo: **67615**
Client ID: **ZZZZZZ** Batch ID: **30243** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **9/14/2006** SeqNo: **1006776**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Nitrobenzene-d5	82.220		100.0		82.2	38	108				
Surr: Phenol-d5	36.250		100.0		36.2	11	46				

Sample ID: **MB-30243MSD** SampType: **MSD** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **9/14/2006** RunNo: **67615**
Client ID: **ZZZZZZ** Batch ID: **30243** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **9/14/2006** SeqNo: **1006777**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	86.830	10	100.0	0	86.8	59	101	85.48	1.57	30	
1,4-Dichlorobenzene	72.590	10	100.0	0	72.6	51	91	74.76	2.95	30	
2,4-Dinitrotoluene	108.100	10	100.0	0	108	72	124	106.5	1.45	30	
2-Chlorophenol	67.540	10	100.0	0	67.5	53	91	69.76	3.23	30	
4-Chloro-3-methylphenol	88.030	50	100.0	0	88.0	67	111	90.45	2.71	30	
4-Nitrophenol	40.560	50	100.0	0	40.6	29	77	40.27	0	30	
Acenaphthene	92.640	10	100.0	0	92.6	63	108	91.35	1.40	30	
N-Nitrosodi-n-propylamine	81.170	10	100.0	0	81.2	62	108	86.24	6.06	30	
Pentachlorophenol	107.920	50	100.0	0	108	71	124	102.4	5.22	30	
Phenol	34.820	10	100.0	0	34.8	29	56	36.34	4.27	30	
Pyrene	115.560	10	100.0	0	116	55	130	112.6	2.56	30	
Surr: 1,2-Dichlorobenzene-d4	72.630		100.0		72.6	27	93		0	30	
Surr: 2,4,6-Tribromophenol	114.310		100.0		114	57	130		0	30	
Surr: 2-Chlorophenol-d4	75.020		100.0		75.0	35	94		0	30	
Surr: 2-Fluorobiphenyl	85.340		100.0		85.3	40	100		0	30	
Surr: 2-Fluorophenol	49.120		100.0		49.1	19	61		0	30	
Surr: 4-Terphenyl-d14	100.640		100.0		101	32	134		0	30	
Surr: Nitrobenzene-d5	82.220		100.0		82.2	38	108		0	30	
Surr: Phenol-d5	34.920		100.0		34.9	11	46		0	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **LCS-30243** SampType: **LCS** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **9/14/2006** RunNo: **67615**
Client ID: **LCSW** Batch ID: **30243** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **9/15/2006** SeqNo: **1007856**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	84.940	10	100.0	0	84.9	59	101				
1,4-Dichlorobenzene	74.180	10	100.0	0	74.2	51	91				
2,4-Dinitrotoluene	97.650	10	100.0	0	97.7	72	124				
2-Chlorophenol	67.850	10	100.0	0	67.8	53	91				
4-Chloro-3-methylphenol	84.600	50	100.0	0	84.6	67	111				
4-Nitrophenol	36.450	50	100.0	0	36.4	29	77				
Acenaphthene	90.170	10	100.0	0	90.2	63	108				
N-Nitrosodi-n-propylamine	82.280	10	100.0	0	82.3	62	108				
Pentachlorophenol	91.030	50	100.0	0	91.0	71	124				
Phenol	34.490	10	100.0	0	34.5	29	56				
Pyrene	98.040	10	100.0	0	98.0	55	130				
Surr: 1,2-Dichlorobenzene-d4	75.760		100.0		75.8	27	93				
Surr: 2,4,6-Tribromophenol	94.530		100.0		94.5	57	130				
Surr: 2-Chlorophenol-d4	74.120		100.0		74.1	35	94				
Surr: 2-Fluorobiphenyl	87.950		100.0		88.0	40	100				
Surr: 2-Fluorophenol	47.370		100.0		47.4	19	61				
Surr: 4-Terphenyl-d14	84.700		100.0		84.7	32	134				
Surr: Nitrobenzene-d5	82.680		100.0		82.7	38	108				
Surr: Phenol-d5	33.930		100.0		33.9	11	46				

Sample ID: **MB-30243** SampType: **MBLK** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **9/14/2006** RunNo: **67615**
Client ID: **PBW** Batch ID: **30243** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **9/15/2006** SeqNo: **1007857**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	10									
1,2-Dichlorobenzene	ND	10									
1,3-Dichlorobenzene	ND	10									
1,4-Dichlorobenzene	ND	10									
2,4,5-Trichlorophenol	ND	10									
2,4,6-Trichlorophenol	ND	10									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **MB-30243** SampType: **MBLK** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **9/14/2006** RunNo: **67615**
Client ID: **PBW** Batch ID: **30243** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **9/15/2006** SeqNo: **1007857**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dichlorophenol	ND	10									
2,4-Dimethylphenol	ND	10									
2,4-Dinitrophenol	ND	50									
2,4-Dinitrotoluene	ND	10									
2,6-Dinitrotoluene	ND	10									
2-Chloronaphthalene	ND	10									
2-Chlorophenol	ND	10									
2-Methylnaphthalene	ND	10									
2-Methylphenol	ND	10									
2-Nitroaniline	ND	50									
2-Nitrophenol	ND	10									
3,3´-Dichlorobenzidine	ND	20									
3-Nitroaniline	ND	50									
4,6-Dinitro-2-methylphenol	ND	50									
4-Bromophenyl-phenylether	ND	10									
4-Chloro-3-methylphenol	ND	50									
4-Chloroaniline	ND	20									
4-Chlorophenyl-phenylether	ND	10									
4-Methylphenol	ND	10									
4-Nitroaniline	ND	20									
4-Nitrophenol	ND	50									
Acenaphthene	ND	10									
Acenaphthylene	ND	10									
Anthracene	ND	10									
Benzidine (M)	ND	50									
Benzo(a)anthracene	ND	10									
Benzo(a)pyrene	ND	10									
Benzo(b)fluoranthene	ND	10									
Benzo(g,h,i)perylene	ND	10									
Benzo(k)fluoranthene	ND	10									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
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ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **MB-30243** SampType: **MBLK** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **9/14/2006** RunNo: **67615**
Client ID: **PBW** Batch ID: **30243** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **9/15/2006** SeqNo: **1007857**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzoic acid	ND	50									
Benzyl alcohol	ND	20									
Bis(2-chloroethoxy)methane	ND	10									
Bis(2-chloroethyl)ether	ND	10									
Bis(2-chloroisopropyl)ether	ND	10									
Bis(2-ethylhexyl)phthalate	ND	10									
Butylbenzylphthalate	ND	10									
Chrysene	ND	10									
Di-n-butylphthalate	ND	10									
Di-n-octylphthalate	ND	10									
Dibenz(a,h)anthracene	ND	10									
Dibenzofuran	ND	10									
Diethylphthalate	ND	10									
Dimethylphthalate	ND	10									
Fluoranthene	ND	10									
Fluorene	ND	10									
Hexachlorobenzene	ND	10									
Hexachlorobutadiene	ND	20									
Hexachlorocyclopentadiene	ND	10									
Hexachloroethane	ND	10									
Indeno(1,2,3-cd)pyrene	ND	10									
Isophorone	ND	10									
N-Nitrosodi-n-propylamine	ND	10									
N-Nitrosodiphenylamine	ND	10									
Naphthalene	ND	10									
Nitrobenzene	ND	10									
Pentachlorophenol	ND	50									
Phenanthrene	ND	10									
Phenol	ND	10									
Pyrene	ND	10									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 086619
Project: I-5 CALTRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **MB-30243** SampType: **MBLK** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **9/14/2006** RunNo: **67615**
Client ID: **PBW** Batch ID: **30243** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **9/15/2006** SeqNo: **1007857**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichlorobenzene-d4	74.790		100.0		74.8	27	93				
Surr: 2,4,6-Tribromophenol	82.960		100.0		83.0	57	130				
Surr: 2-Chlorophenol-d4	71.330		100.0		71.3	35	94				
Surr: 2-Fluorobiphenyl	82.350		100.0		82.4	40	100				
Surr: 2-Fluorophenol	45.220		100.0		45.2	19	61				
Surr: 4-Terphenyl-d14	111.650		100.0		112	32	134				
Surr: Nitrobenzene-d5	77.660		100.0		77.7	38	108				
Surr: Phenol-d5	33.050		100.0		33.0	11	46				

Sample ID: **086506-001DDUP** SampType: **DUP** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **9/14/2006** RunNo: **67615**
Client ID: **ZZZZZZ** Batch ID: **30243** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **9/15/2006** SeqNo: **1007858**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	10						0	0	30	
1,2-Dichlorobenzene	ND	10						0	0	30	
1,3-Dichlorobenzene	ND	10						0	0	30	
1,4-Dichlorobenzene	ND	10						0	0	30	
2,4,5-Trichlorophenol	ND	10						0	0	30	
2,4,6-Trichlorophenol	ND	10						0	0	30	
2,4-Dichlorophenol	ND	10						0	0	30	
2,4-Dimethylphenol	ND	10						0	0	30	
2,4-Dinitrophenol	ND	50						0	0	30	
2,4-Dinitrotoluene	ND	10						0	0	30	
2,6-Dinitrotoluene	ND	10						0	0	30	
2-Chloronaphthalene	ND	10						0	0	30	
2-Chlorophenol	ND	10						0	0	30	
2-Methylnaphthalene	ND	10						0	0	30	
2-Methylphenol	ND	10						0	0	30	
2-Nitroaniline	ND	50						0	0	30	
2-Nitrophenol	ND	10						0	0	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
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CLIENT: Ninyo & Moore
Work Order: 086619
Project: I-5 CALTRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **086506-001DDUP** SampType: **DUP** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **9/14/2006** RunNo: **67615**
Client ID: **ZZZZZZ** Batch ID: **30243** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **9/15/2006** SeqNo: **1007858**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3,3´-Dichlorobenzidine	ND	20						0	0	30	
3-Nitroaniline	ND	50						0	0	30	
4,6-Dinitro-2-methylphenol	ND	50						0	0	30	
4-Bromophenyl-phenylether	ND	10						0	0	30	
4-Chloro-3-methylphenol	ND	50						0	0	30	
4-Chloroaniline	ND	20						0	0	30	
4-Chlorophenyl-phenylether	ND	10						0	0	30	
4-Methylphenol	ND	10						0	0	30	
4-Nitroaniline	ND	20						0	0	30	
4-Nitrophenol	ND	50						0	0	30	
Acenaphthene	ND	10						0	0	30	
Acenaphthylene	ND	10						0	0	30	
Anthracene	ND	10						0	0	30	
Benzidine (M)	ND	50						0	0	30	
Benzo(a)anthracene	ND	10						0	0	30	
Benzo(a)pyrene	ND	10						0	0	30	
Benzo(b)fluoranthene	ND	10						0	0	30	
Benzo(g,h,i)perylene	ND	10						0	0	30	
Benzo(k)fluoranthene	ND	10						0	0	30	
Benzoic acid	ND	50						0	0	30	
Benzyl alcohol	ND	20						0	0	30	
Bis(2-chloroethoxy)methane	ND	10						0	0	30	
Bis(2-chloroethyl)ether	ND	10						0	0	30	
Bis(2-chloroisopropyl)ether	ND	10						0	0	30	
Bis(2-ethylhexyl)phthalate	ND	10						0	0	30	
Butylbenzylphthalate	ND	10						0	0	30	
Chrysene	ND	10						0	0	30	
Di-n-butylphthalate	ND	10						0	0	30	
Di-n-octylphthalate	ND	10						0	0	30	
Dibenz(a,h)anthracene	ND	10						0	0	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 086619
Project: I-5 CALTRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **086506-001DDUP** SampType: **DUP** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **9/14/2006** RunNo: **67615**
Client ID: **ZZZZZZ** Batch ID: **30243** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **9/15/2006** SeqNo: **1007858**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibenzofuran	ND	10						0	0	30	
Diethylphthalate	ND	10						0	0	30	
Dimethylphthalate	ND	10						0	0	30	
Fluoranthene	ND	10						0	0	30	
Fluorene	ND	10						0	0	30	
Hexachlorobenzene	ND	10						0	0	30	
Hexachlorobutadiene	ND	20						0	0	30	
Hexachlorocyclopentadiene	ND	10						0	0	30	
Hexachloroethane	ND	10						0	0	30	
Indeno(1,2,3-cd)pyrene	ND	10						0	0	30	
Isophorone	ND	10						0	0	30	
N-Nitrosodi-n-propylamine	ND	10						0	0	30	
N-Nitrosodiphenylamine	ND	10						0	0	30	
Naphthalene	ND	10						0	0	30	
Nitrobenzene	ND	10						0	0	30	
Pentachlorophenol	ND	50						0	0	30	
Phenanthrene	ND	10						0	0	30	
Phenol	ND	10						0	0	30	
Pyrene	ND	10						0	0	30	
Surr: 1,2-Dichlorobenzene-d4	68.590		100.0		68.6	27	93		0	30	
Surr: 2,4,6-Tribromophenol	97.100		100.0		97.1	57	130		0	30	
Surr: 2-Chlorophenol-d4	69.480		100.0		69.5	35	94		0	30	
Surr: 2-Fluorobiphenyl	82.110		100.0		82.1	40	100		0	30	
Surr: 2-Fluorophenol	45.480		100.0		45.5	19	61		0	30	
Surr: 4-Terphenyl-d14	74.210		100.0		74.2	32	134		0	30	
Surr: Nitrobenzene-d5	75.810		100.0		75.8	38	108		0	30	
Surr: Phenol-d5	34.420		100.0		34.4	11	46		0	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY RECORD

Pg ___ of ___

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: ___
Logged By: V Date: 9/14

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other: ___

Sample Condition Upon Receipt:
1. CHILLED Y☑ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: Ninyo & Moore
Attn: Scott Snyder
Address: 5710 Ruffin Road
City: San Diego State: CA Zip Code: 92123
TEL: (858) 576-1000
FAX: (858) 576-9600

Project Name: I-5 CALTRANS Project #: 105812001 Sampler: (Printed Name) Matt Fuller (Signature) Matt Fuller

Relinquished by: (Signature and Printed Name)	Date	Time	Received by: (Signature and Printed Name)	Date	Time
Matt Fuller	091306	930	ATL	091306	0930
ATL	091306	1825	[illegible]	9/13/06	18:35

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Scott Snyder 9/12/06
Print Name Date
Signature

Send Report To:
Attn: Scott Snyder
Co: Ninyo & Moore
Address: 5710 Ruffin Rd
City: SD State: CA Zip: 92123

Bill To:
Attn: SAME AS
Co: ← PREVIOUS
Address: ___
City: ___ State: ___ Zip: ___

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested; SPECIFY APPROPRIATE MATRIX

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA) SVOCs	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	DH 614 -1	NM03-Trip-01	9-12-06	0900		X									X			E	2	VG	H	
	2	NM03-B10-5.0	9-12-06	0955	X	X	X	X						X				E	1	TM	C	
	3	NM03-B10-10.0		1022				X						X					1	JG	C	
	4	NM03-B10-15.0		1032	X	X	X	X						X					1	TM	C	
	5	NM03-B10-20.0		1053	X	X	X	X						X					1	TM	C	
	6	NM03-B10-25.0		1112				X						X					1	JG	C	
	7	NM03-B10-30.0		1127				X						X					1	JG	C	
	8	NM03-B11-5.0		1230	X	X	X	X						X					1	TM	C	
	9	NM03-B11-10.0		1248				X						X					1	JG	C	
	10	NM03-B11-15.0		1300	X	X	X	X						X					1	TM	C	

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ___ OTHER ___

- TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr; B= Emergency Next workday; C= Critical 2 Workdays; D= Urgent 3 Workdays; E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

CHAIN OF CU TODY RECORD

Pg ___ of ___

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: ___

Logged By: ___ Date: ___

Method of Transport: Client ☐ ATL ☐ CA OverN ☐ FEDEX ☐ Other: ___

Sample Condition Upon Receipt:
1. CHILLED Y☐ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: Ninyo & Moore
Attn: Scott Snyder
Address: 5710 Ruffin Road
City: San Diego State: CA Zip Code: 92123
TEL: (858) 576-1000
FAX: (858) 576-9600

Project Name: I-5 Expansion
Project #: 105812001
Sampler: (Printed Name) Matt Fuller (Signature) Matt Fuller

Relinquished by: (Signature and Printed Name)	Date	Time	Received by: (Signature and Printed Name)	Date	Time
Matt Fuller / Matt Fuller	091306	0930	ATL	091306	0931
ATL	091306	1825	[illegible]	9/13/06	1835

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Scott Snyder 9/12/06
Print Name Date
Signature

Send Report To:
Attn: Scott Snyder
Co: Ninyo & Moore
Address: 5710 Ruffin Rd
City: SD State: CA Zip: 92123

Bill To:
Attn: Same as
Co: previous
Address: ←
City ___ State ___ Zip ___

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ___ OTHER ___

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (SVOCs)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	0806 19 - 11	NM03-B11-20.0	9-12-06	1320				X						X				E	1	J/G	C	
	↓ 12	NM03-Equip-01	9-12-06	1420		X	X	X	X						X			E	6	W/P G/P	H/C	

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

May 23, 2006

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 084475

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

RE: I-5 EXPANSION, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on May 17, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

for Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: *23-May-06*

CLIENT: Ninyo & Moore
Project: I-5 EXPANSION, 105812001
Lab Order: 084475
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
084475-001A	NM03-B9-1.0	Soil	5/11/2006	5/17/2006	5/23/2006
084475-002A	NM03-B9-TRIP	Water	5/11/2006	5/17/2006	5/23/2006
084475-003A	NM03-B9-5.0	Soil	5/11/2006	5/17/2006	5/23/2006
084475-004A	NM03-B9-10.0	Soil	5/11/2006	5/17/2006	5/23/2006
084475-005A	NM03-B9-15.0	Soil	5/11/2006	5/17/2006	5/23/2006
084475-006A	NM03-B9-GW	Ground Water	5/16/2006	5/17/2006	5/23/2006
084475-006B	NM03-B9-GW	Ground Water	5/16/2006	5/17/2006	5/23/2006
084475-006C	NM03-B9-GW	Ground Water	5/16/2006	5/17/2006	5/23/2006
084475-006D	NM03-B9-GW	Ground Water	5/16/2006	5/17/2006	5/23/2006
084475-007A	NM03-B9-Equip	Water	5/16/2006	5/17/2006	5/23/2006
084475-007B	NM03-B9-Equip	Water	5/16/2006	5/17/2006	5/23/2006
084475-007C	NM03-B9-Equip	Water	5/16/2006	5/17/2006	5/23/2006
084475-007D	NM03-B9-Equip	Water	5/16/2006	5/17/2006	5/23/2006
084475-008A	NM03-B9-TRIP2	Water	5/16/2006	5/17/2006	5/23/2006

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CASE NARRATIVE

Analytical Comments for EPA 8015B (M)

RPD for Sample Duplicate (DUP) is outside criteria for sample 084475-003ADUP; however, the Laboratory Control Sample (LCS) validated the analytical batch.

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *23-May-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B9-1.0
Lab Order:	084475	**Collection Date:**	5/11/2006 9:00:00 AM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	084475-001	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
LEAD BY ICP						
	EPA 3050M			**EPA 6010B**		
RunID: ICP5_060519A	QC Batch: 28123				PrepDate: 5/19/2006	Analyst: **RQ**
Lead	5.6	1.0		mg/Kg	1	5/19/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *23-May-06*

CLIENT: Ninyo & Moore
Lab Order: 084475
Project: I-5 EXPANSION, 105812001
Lab ID: 084475-002

Client Sample ID: NM03-B9-TRIP
Collection Date: 5/11/2006 9:10:00 AM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060518A	QC Batch: Q06VW089				PrepDate:	Analyst: **HH**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	5/18/2006
1,1,1-Trichloroethane	ND	5.0		µg/L	1	5/18/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	5/18/2006
1,1,2-Trichloroethane	ND	5.0		µg/L	1	5/18/2006
1,1-Dichloroethane	ND	5.0		µg/L	1	5/18/2006
1,1-Dichloroethene	ND	5.0		µg/L	1	5/18/2006
1,1-Dichloropropene	ND	5.0		µg/L	1	5/18/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/L	1	5/18/2006
1,2,3-Trichloropropane	ND	5.0		µg/L	1	5/18/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	5/18/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/L	1	5/18/2006
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	5/18/2006
1,2-Dibromoethane	ND	5.0		µg/L	1	5/18/2006
1,2-Dichlorobenzene	ND	5.0		µg/L	1	5/18/2006
1,2-Dichloroethane	ND	5.0		µg/L	1	5/18/2006
1,2-Dichloropropane	ND	5.0		µg/L	1	5/18/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	5/18/2006
1,3-Dichlorobenzene	ND	5.0		µg/L	1	5/18/2006
1,3-Dichloropropane	ND	5.0		µg/L	1	5/18/2006
1,4-Dichlorobenzene	ND	5.0		µg/L	1	5/18/2006
2,2-Dichloropropane	ND	5.0		µg/L	1	5/18/2006
2-Chlorotoluene	ND	5.0		µg/L	1	5/18/2006
4-Chlorotoluene	ND	5.0		µg/L	1	5/18/2006
4-Isopropyltoluene	ND	5.0		µg/L	1	5/18/2006
Benzene	ND	5.0		µg/L	1	5/18/2006
Bromobenzene	ND	5.0		µg/L	1	5/18/2006
Bromodichloromethane	ND	5.0		µg/L	1	5/18/2006
Bromoform	ND	5.0		µg/L	1	5/18/2006
Bromomethane	ND	5.0		µg/L	1	5/18/2006
Carbon tetrachloride	ND	5.0		µg/L	1	5/18/2006
Chlorobenzene	ND	5.0		µg/L	1	5/18/2006
Chloroethane	ND	5.0		µg/L	1	5/18/2006
Chloroform	ND	5.0		µg/L	1	5/18/2006
Chloromethane	ND	5.0		µg/L	1	5/18/2006
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	5/18/2006
Dibromochloromethane	ND	5.0		µg/L	1	5/18/2006
Dibromomethane	ND	5.0		µg/L	1	5/18/2006
Dichlorodifluoromethane	ND	5.0		µg/L	1	5/18/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *23-May-06*

CLIENT: Ninyo & Moore
Lab Order: 084475
Project: I-5 EXPANSION, 105812001
Lab ID: 084475-002

Client Sample ID: NM03-B9-TRIP
Collection Date: 5/11/2006 9:10:00 AM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060518A	QC Batch:	Q06VW089			PrepDate:	Analyst: **HH**
Ethylbenzene	ND	5.0		µg/L	1	5/18/2006
Hexachlorobutadiene	ND	5.0		µg/L	1	5/18/2006
Isopropylbenzene	ND	5.0		µg/L	1	5/18/2006
m,p-Xylene	ND	10		µg/L	1	5/18/2006
Methylene chloride	ND	5.0		µg/L	1	5/18/2006
n-Butylbenzene	ND	5.0		µg/L	1	5/18/2006
n-Propylbenzene	ND	5.0		µg/L	1	5/18/2006
Naphthalene	ND	5.0		µg/L	1	5/18/2006
o-Xylene	ND	5.0		µg/L	1	5/18/2006
sec-Butylbenzene	ND	5.0		µg/L	1	5/18/2006
Styrene	ND	5.0		µg/L	1	5/18/2006
tert-Butylbenzene	ND	5.0		µg/L	1	5/18/2006
Tetrachloroethene	ND	5.0		µg/L	1	5/18/2006
Toluene	ND	5.0		µg/L	1	5/18/2006
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	5/18/2006
Trichloroethene	ND	5.0		µg/L	1	5/18/2006
Trichlorofluoromethane	ND	5.0		µg/L	1	5/18/2006
Vinyl chloride	ND	5.0		µg/L	1	5/18/2006
Surr: 1,2-Dichloroethane-d4	98.8	70-126		%REC	1	5/18/2006
Surr: 4-Bromofluorobenzene	105	63-134		%REC	1	5/18/2006
Surr: Dibromofluoromethane	103	73-124		%REC	1	5/18/2006
Surr: Toluene-d8	109	84-123		%REC	1	5/18/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *23-May-06*

CLIENT: Ninyo & Moore
Lab Order: 084475
Project: I-5 EXPANSION, 105812001
Lab ID: 084475-003

Client Sample ID: NM03-B9-5.0
Collection Date: 5/11/2006 9:20:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
LUFT				**EPA 8015B(M)**		
RunID: GC7_060518B	QC Batch: 28105			PrepDate: 5/18/2006		Analyst: **CBR**
DRO	27	10		mg/Kg	1	5/19/2006
Surr: p-Terphenyl	85.3	56-131		%REC	1	5/19/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC1_060519A	QC Batch: D06VS037			PrepDate:		Analyst: **ML**
GRO	ND	1.0		mg/Kg	1	5/19/2006
Surr: Bromofluorobenzene (FID)	74.0	42-138		%REC	1	5/19/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS4_060518A	QC Batch: C06VS010			PrepDate:		Analyst: **TT**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1	5/18/2006
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	5/18/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	5/18/2006
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	5/18/2006
1,1-Dichloroethane	ND	5.0		µg/Kg	1	5/18/2006
1,1-Dichloroethene	ND	5.0		µg/Kg	1	5/18/2006
1,1-Dichloropropene	ND	5.0		µg/Kg	1	5/18/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1	5/18/2006
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1	5/18/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1	5/18/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1	5/18/2006
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1	5/18/2006
1,2-Dibromoethane	ND	5.0		µg/Kg	1	5/18/2006
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1	5/18/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	5/18/2006
1,2-Dichloropropane	ND	5.0		µg/Kg	1	5/18/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1	5/18/2006
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1	5/18/2006
1,3-Dichloropropane	ND	5.0		µg/Kg	1	5/18/2006
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1	5/18/2006
2,2-Dichloropropane	ND	5.0		µg/Kg	1	5/18/2006
2-Chlorotoluene	ND	5.0		µg/Kg	1	5/18/2006
4-Chlorotoluene	ND	5.0		µg/Kg	1	5/18/2006
4-Isopropyltoluene	ND	5.0		µg/Kg	1	5/18/2006
Benzene	ND	5.0		µg/Kg	1	5/18/2006
Bromobenzene	ND	5.0		µg/Kg	1	5/18/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *23-May-06*

CLIENT: Ninyo & Moore
Lab Order: 084475
Project: I-5 EXPANSION, 105812001
Lab ID: 084475-003

Client Sample ID: NM03-B9-5.0
Collection Date: 5/11/2006 9:20:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS4_060518A	QC Batch: C06VS010			PrepDate:		Analyst: **TT**
Bromodichloromethane	ND	5.0		µg/Kg	1	5/18/2006
Bromoform	ND	5.0		µg/Kg	1	5/18/2006
Bromomethane	ND	5.0		µg/Kg	1	5/18/2006
Carbon tetrachloride	ND	5.0		µg/Kg	1	5/18/2006
Chlorobenzene	ND	5.0		µg/Kg	1	5/18/2006
Chloroethane	ND	5.0		µg/Kg	1	5/18/2006
Chloroform	ND	5.0		µg/Kg	1	5/18/2006
Chloromethane	ND	5.0		µg/Kg	1	5/18/2006
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	5/18/2006
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	5/18/2006
Dibromochloromethane	ND	5.0		µg/Kg	1	5/18/2006
Dibromomethane	ND	5.0		µg/Kg	1	5/18/2006
Dichlorodifluoromethane	ND	5.0		µg/Kg	1	5/18/2006
Ethylbenzene	ND	5.0		µg/Kg	1	5/18/2006
Hexachlorobutadiene	ND	5.0		µg/Kg	1	5/18/2006
Isopropylbenzene	ND	5.0		µg/Kg	1	5/18/2006
m,p-Xylene	ND	10		µg/Kg	1	5/18/2006
Methylene chloride	ND	5.0		µg/Kg	1	5/18/2006
n-Butylbenzene	ND	5.0		µg/Kg	1	5/18/2006
n-Propylbenzene	ND	5.0		µg/Kg	1	5/18/2006
Naphthalene	ND	5.0		µg/Kg	1	5/18/2006
o-Xylene	ND	5.0		µg/Kg	1	5/18/2006
sec-Butylbenzene	ND	5.0		µg/Kg	1	5/18/2006
Styrene	ND	5.0		µg/Kg	1	5/18/2006
tert-Butylbenzene	ND	5.0		µg/Kg	1	5/18/2006
Tetrachloroethene	ND	5.0		µg/Kg	1	5/18/2006
Toluene	ND	5.0		µg/Kg	1	5/18/2006
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	5/18/2006
Trichloroethene	ND	5.0		µg/Kg	1	5/18/2006
Trichlorofluoromethane	ND	5.0		µg/Kg	1	5/18/2006
Vinyl chloride	ND	5.0		µg/Kg	1	5/18/2006
Surr: 1,2-Dichloroethane-d4	95.4	58-138		%REC	1	5/18/2006
Surr: 4-Bromofluorobenzene	99.7	74-130		%REC	1	5/18/2006
Surr: Dibromofluoromethane	101	58-135		%REC	1	5/18/2006
Surr: Toluene-d8	95.2	84-130		%REC	1	5/18/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *23-May-06*

CLIENT: Ninyo & Moore
Lab Order: 084475
Project: I-5 EXPANSION, 105812001
Lab ID: 084475-003

Client Sample ID: NM03-B9-5.0
Collection Date: 5/11/2006 9:20:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS7_060519A	QC Batch: 28119				PrepDate: 5/19/2006	Analyst: **MFR**
1,2,4-Trichlorobenzene	ND	330		µg/Kg	1	5/19/2006
1,2-Dichlorobenzene	ND	330		µg/Kg	1	5/19/2006
1,3-Dichlorobenzene	ND	330		µg/Kg	1	5/19/2006
1,4-Dichlorobenzene	ND	330		µg/Kg	1	5/19/2006
2,4,5-Trichlorophenol	ND	330		µg/Kg	1	5/19/2006
2,4,6-Trichlorophenol	ND	330		µg/Kg	1	5/19/2006
2,4-Dichlorophenol	ND	1600		µg/Kg	1	5/19/2006
2,4-Dimethylphenol	ND	330		µg/Kg	1	5/19/2006
2,4-Dinitrophenol	ND	1600		µg/Kg	1	5/19/2006
2,4-Dinitrotoluene	ND	330		µg/Kg	1	5/19/2006
2,6-Dinitrotoluene	ND	330		µg/Kg	1	5/19/2006
2-Chloronaphthalene	ND	330		µg/Kg	1	5/19/2006
2-Chlorophenol	ND	330		µg/Kg	1	5/19/2006
2-Methylnaphthalene	ND	330		µg/Kg	1	5/19/2006
2-Methylphenol	ND	330		µg/Kg	1	5/19/2006
2-Nitroaniline	ND	1600		µg/Kg	1	5/19/2006
2-Nitrophenol	ND	330		µg/Kg	1	5/19/2006
3,3´-Dichlorobenzidine	ND	660		µg/Kg	1	5/19/2006
3-Nitroaniline	ND	1600		µg/Kg	1	5/19/2006
4,6-Dinitro-2-methylphenol	ND	1600		µg/Kg	1	5/19/2006
4-Bromophenyl-phenylether	ND	330		µg/Kg	1	5/19/2006
4-Chloro-3-methylphenol	ND	660		µg/Kg	1	5/19/2006
4-Chloroaniline	ND	660		µg/Kg	1	5/19/2006
4-Chlorophenyl-phenylether	ND	330		µg/Kg	1	5/19/2006
4-Methylphenol	ND	330		µg/Kg	1	5/19/2006
4-Nitroaniline	ND	1600		µg/Kg	1	5/19/2006
4-Nitrophenol	ND	1600		µg/Kg	1	5/19/2006
Acenaphthene	ND	330		µg/Kg	1	5/19/2006
Acenaphthylene	ND	330		µg/Kg	1	5/19/2006
Anthracene	ND	330		µg/Kg	1	5/19/2006
Benzidine (M)	ND	1600		µg/Kg	1	5/19/2006
Benzo(a)anthracene	ND	330		µg/Kg	1	5/19/2006
Benzo(a)pyrene	ND	330		µg/Kg	1	5/19/2006
Benzo(b)fluoranthene	ND	330		µg/Kg	1	5/19/2006
Benzo(g,h,i)perylene	ND	330		µg/Kg	1	5/19/2006
Benzo(k)fluoranthene	ND	330		µg/Kg	1	5/19/2006
Benzoic acid	ND	1600		µg/Kg	1	5/19/2006
Benzyl alcohol	ND	660		µg/Kg	1	5/19/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *23-May-06*

CLIENT: Ninyo & Moore
Lab Order: 084475
Project: I-5 EXPANSION, 105812001
Lab ID: 084475-003

Client Sample ID: NM03-B9-5.0
Collection Date: 5/11/2006 9:20:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS7_060519A	QC Batch: 28119				PrepDate: 5/19/2006	Analyst: **MFR**
Bis(2-chloroethoxy)methane	ND	330		µg/Kg	1	5/19/2006
Bis(2-chloroethyl)ether	ND	330		µg/Kg	1	5/19/2006
Bis(2-chloroisopropyl)ether	ND	330		µg/Kg	1	5/19/2006
Bis(2-ethylhexyl)phthalate	ND	330		µg/Kg	1	5/19/2006
Butylbenzylphthalate	ND	330		µg/Kg	1	5/19/2006
Chrysene	ND	330		µg/Kg	1	5/19/2006
Di-n-butylphthalate	ND	330		µg/Kg	1	5/19/2006
Di-n-octylphthalate	ND	330		µg/Kg	1	5/19/2006
Dibenz(a,h)anthracene	ND	330		µg/Kg	1	5/19/2006
Dibenzofuran	ND	330		µg/Kg	1	5/19/2006
Diethylphthalate	ND	330		µg/Kg	1	5/19/2006
Dimethylphthalate	ND	330		µg/Kg	1	5/19/2006
Fluoranthene	ND	330		µg/Kg	1	5/19/2006
Fluorene	ND	330		µg/Kg	1	5/19/2006
Hexachlorobenzene	ND	330		µg/Kg	1	5/19/2006
Hexachlorobutadiene	ND	660		µg/Kg	1	5/19/2006
Hexachlorocyclopentadiene	ND	660		µg/Kg	1	5/19/2006
Hexachloroethane	ND	330		µg/Kg	1	5/19/2006
Indeno(1,2,3-cd)pyrene	ND	330		µg/Kg	1	5/19/2006
Isophorone	ND	330		µg/Kg	1	5/19/2006
N-Nitrosodi-n-propylamine	ND	330		µg/Kg	1	5/19/2006
N-Nitrosodiphenylamine	ND	330		µg/Kg	1	5/19/2006
Naphthalene	ND	330		µg/Kg	1	5/19/2006
Nitrobenzene	ND	330		µg/Kg	1	5/19/2006
Pentachlorophenol	ND	1600		µg/Kg	1	5/19/2006
Phenanthrene	ND	330		µg/Kg	1	5/19/2006
Phenol	ND	330		µg/Kg	1	5/19/2006
Pyrene	ND	330		µg/Kg	1	5/19/2006
Surr: 1,2-Dichlorobenzene-d4	73.3	46-105		%REC	1	5/19/2006
Surr: 2,4,6-Tribromophenol	92.8	46-146		%REC	1	5/19/2006
Surr: 2-Chlorophenol-d4	74.2	48-117		%REC	1	5/19/2006
Surr: 2-Fluorobiphenyl	76.2	54-112		%REC	1	5/19/2006
Surr: 2-Fluorophenol	72.1	45-119		%REC	1	5/19/2006
Surr: 4-Terphenyl-d14	79.3	46-135		%REC	1	5/19/2006
Surr: Nitrobenzene-d5	78.3	40-116		%REC	1	5/19/2006
Surr: Phenol-d5	75.5	37-127		%REC	1	5/19/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *23-May-06*

CLIENT: Ninyo & Moore
Lab Order: 084475
Project: I-5 EXPANSION, 105812001
Lab ID: 084475-004

Client Sample ID: NM03-B9-10.0
Collection Date: 5/11/2006 9:31:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
LUFT				**EPA 8015B(M)**		
RunID: GC7_060518B	QC Batch: 28105			PrepDate: 5/18/2006		Analyst: **CBR**
DRO	25	10		mg/Kg	1	5/19/2006
Surr: p-Terphenyl	98.2	56-131		%REC	1	5/19/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC1_060519A	QC Batch: D06VS037			PrepDate:		Analyst: **ML**
GRO	ND	1.0		mg/Kg	1	5/19/2006
Surr: Bromofluorobenzene (FID)	72.8	42-138		%REC	1	5/19/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS4_060518A	QC Batch: C06VS010			PrepDate:		Analyst: **TT**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1	5/18/2006
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	5/18/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	5/18/2006
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	5/18/2006
1,1-Dichloroethane	ND	5.0		µg/Kg	1	5/18/2006
1,1-Dichloroethene	ND	5.0		µg/Kg	1	5/18/2006
1,1-Dichloropropene	ND	5.0		µg/Kg	1	5/18/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1	5/18/2006
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1	5/18/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1	5/18/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1	5/18/2006
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1	5/18/2006
1,2-Dibromoethane	ND	5.0		µg/Kg	1	5/18/2006
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1	5/18/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	5/18/2006
1,2-Dichloropropane	ND	5.0		µg/Kg	1	5/18/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1	5/18/2006
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1	5/18/2006
1,3-Dichloropropane	ND	5.0		µg/Kg	1	5/18/2006
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1	5/18/2006
2,2-Dichloropropane	ND	5.0		µg/Kg	1	5/18/2006
2-Chlorotoluene	ND	5.0		µg/Kg	1	5/18/2006
4-Chlorotoluene	ND	5.0		µg/Kg	1	5/18/2006
4-Isopropyltoluene	ND	5.0		µg/Kg	1	5/18/2006
Benzene	ND	5.0		µg/Kg	1	5/18/2006
Bromobenzene	ND	5.0		µg/Kg	1	5/18/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *23-May-06*

CLIENT: Ninyo & Moore
Lab Order: 084475
Project: I-5 EXPANSION, 105812001
Lab ID: 084475-004

Client Sample ID: NM03-B9-10.0
Collection Date: 5/11/2006 9:31:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS4_060518A	QC Batch: C06VS010			PrepDate:		Analyst: **TT**
Bromodichloromethane	ND	5.0		µg/Kg	1	5/18/2006
Bromoform	ND	5.0		µg/Kg	1	5/18/2006
Bromomethane	ND	5.0		µg/Kg	1	5/18/2006
Carbon tetrachloride	ND	5.0		µg/Kg	1	5/18/2006
Chlorobenzene	ND	5.0		µg/Kg	1	5/18/2006
Chloroethane	ND	5.0		µg/Kg	1	5/18/2006
Chloroform	ND	5.0		µg/Kg	1	5/18/2006
Chloromethane	ND	5.0		µg/Kg	1	5/18/2006
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	5/18/2006
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	5/18/2006
Dibromochloromethane	ND	5.0		µg/Kg	1	5/18/2006
Dibromomethane	ND	5.0		µg/Kg	1	5/18/2006
Dichlorodifluoromethane	ND	5.0		µg/Kg	1	5/18/2006
Ethylbenzene	ND	5.0		µg/Kg	1	5/18/2006
Hexachlorobutadiene	ND	5.0		µg/Kg	1	5/18/2006
Isopropylbenzene	ND	5.0		µg/Kg	1	5/18/2006
m,p-Xylene	ND	10		µg/Kg	1	5/18/2006
Methylene chloride	ND	5.0		µg/Kg	1	5/18/2006
n-Butylbenzene	ND	5.0		µg/Kg	1	5/18/2006
n-Propylbenzene	ND	5.0		µg/Kg	1	5/18/2006
Naphthalene	ND	5.0		µg/Kg	1	5/18/2006
o-Xylene	ND	5.0		µg/Kg	1	5/18/2006
sec-Butylbenzene	ND	5.0		µg/Kg	1	5/18/2006
Styrene	ND	5.0		µg/Kg	1	5/18/2006
tert-Butylbenzene	ND	5.0		µg/Kg	1	5/18/2006
Tetrachloroethene	ND	5.0		µg/Kg	1	5/18/2006
Toluene	ND	5.0		µg/Kg	1	5/18/2006
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	5/18/2006
Trichloroethene	ND	5.0		µg/Kg	1	5/18/2006
Trichlorofluoromethane	ND	5.0		µg/Kg	1	5/18/2006
Vinyl chloride	ND	5.0		µg/Kg	1	5/18/2006
Surr: 1,2-Dichloroethane-d4	99.9	58-138		%REC	1	5/18/2006
Surr: 4-Bromofluorobenzene	102	74-130		%REC	1	5/18/2006
Surr: Dibromofluoromethane	104	58-135		%REC	1	5/18/2006
Surr: Toluene-d8	95.0	84-130		%REC	1	5/18/2006

Qualifiers:

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3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *23-May-06*

CLIENT: Ninyo & Moore
Lab Order: 084475
Project: I-5 EXPANSION, 105812001
Lab ID: 084475-004

Client Sample ID: NM03-B9-10.0
Collection Date: 5/11/2006 9:31:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS7_060519A	QC Batch: 28119				PrepDate: 5/19/2006	Analyst: **MFR**
1,2,4-Trichlorobenzene	ND	330		µg/Kg	1	5/19/2006
1,2-Dichlorobenzene	ND	330		µg/Kg	1	5/19/2006
1,3-Dichlorobenzene	ND	330		µg/Kg	1	5/19/2006
1,4-Dichlorobenzene	ND	330		µg/Kg	1	5/19/2006
2,4,5-Trichlorophenol	ND	330		µg/Kg	1	5/19/2006
2,4,6-Trichlorophenol	ND	330		µg/Kg	1	5/19/2006
2,4-Dichlorophenol	ND	1600		µg/Kg	1	5/19/2006
2,4-Dimethylphenol	ND	330		µg/Kg	1	5/19/2006
2,4-Dinitrophenol	ND	1600		µg/Kg	1	5/19/2006
2,4-Dinitrotoluene	ND	330		µg/Kg	1	5/19/2006
2,6-Dinitrotoluene	ND	330		µg/Kg	1	5/19/2006
2-Chloronaphthalene	ND	330		µg/Kg	1	5/19/2006
2-Chlorophenol	ND	330		µg/Kg	1	5/19/2006
2-Methylnaphthalene	ND	330		µg/Kg	1	5/19/2006
2-Methylphenol	ND	330		µg/Kg	1	5/19/2006
2-Nitroaniline	ND	1600		µg/Kg	1	5/19/2006
2-Nitrophenol	ND	330		µg/Kg	1	5/19/2006
3,3´-Dichlorobenzidine	ND	660		µg/Kg	1	5/19/2006
3-Nitroaniline	ND	1600		µg/Kg	1	5/19/2006
4,6-Dinitro-2-methylphenol	ND	1600		µg/Kg	1	5/19/2006
4-Bromophenyl-phenylether	ND	330		µg/Kg	1	5/19/2006
4-Chloro-3-methylphenol	ND	660		µg/Kg	1	5/19/2006
4-Chloroaniline	ND	660		µg/Kg	1	5/19/2006
4-Chlorophenyl-phenylether	ND	330		µg/Kg	1	5/19/2006
4-Methylphenol	ND	330		µg/Kg	1	5/19/2006
4-Nitroaniline	ND	1600		µg/Kg	1	5/19/2006
4-Nitrophenol	ND	1600		µg/Kg	1	5/19/2006
Acenaphthene	ND	330		µg/Kg	1	5/19/2006
Acenaphthylene	ND	330		µg/Kg	1	5/19/2006
Anthracene	ND	330		µg/Kg	1	5/19/2006
Benzidine (M)	ND	1600		µg/Kg	1	5/19/2006
Benzo(a)anthracene	ND	330		µg/Kg	1	5/19/2006
Benzo(a)pyrene	ND	330		µg/Kg	1	5/19/2006
Benzo(b)fluoranthene	ND	330		µg/Kg	1	5/19/2006
Benzo(g,h,i)perylene	ND	330		µg/Kg	1	5/19/2006
Benzo(k)fluoranthene	ND	330		µg/Kg	1	5/19/2006
Benzoic acid	ND	1600		µg/Kg	1	5/19/2006
Benzyl alcohol	ND	660		µg/Kg	1	5/19/2006

Qualifiers:

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Advanced Technology Laboratories

Date: *23-May-06*

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Project: I-5 EXPANSION, 105812001
Lab ID: 084475-004

Client Sample ID: NM03-B9-10.0
Collection Date: 5/11/2006 9:31:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS7_060519A	QC Batch: 28119			PrepDate:	5/19/2006	Analyst: **MFR**
Bis(2-chloroethoxy)methane	ND	330		µg/Kg	1	5/19/2006
Bis(2-chloroethyl)ether	ND	330		µg/Kg	1	5/19/2006
Bis(2-chloroisopropyl)ether	ND	330		µg/Kg	1	5/19/2006
Bis(2-ethylhexyl)phthalate	ND	330		µg/Kg	1	5/19/2006
Butylbenzylphthalate	ND	330		µg/Kg	1	5/19/2006
Chrysene	ND	330		µg/Kg	1	5/19/2006
Di-n-butylphthalate	ND	330		µg/Kg	1	5/19/2006
Di-n-octylphthalate	ND	330		µg/Kg	1	5/19/2006
Dibenz(a,h)anthracene	ND	330		µg/Kg	1	5/19/2006
Dibenzofuran	ND	330		µg/Kg	1	5/19/2006
Diethylphthalate	ND	330		µg/Kg	1	5/19/2006
Dimethylphthalate	ND	330		µg/Kg	1	5/19/2006
Fluoranthene	ND	330		µg/Kg	1	5/19/2006
Fluorene	ND	330		µg/Kg	1	5/19/2006
Hexachlorobenzene	ND	330		µg/Kg	1	5/19/2006
Hexachlorobutadiene	ND	660		µg/Kg	1	5/19/2006
Hexachlorocyclopentadiene	ND	660		µg/Kg	1	5/19/2006
Hexachloroethane	ND	330		µg/Kg	1	5/19/2006
Indeno(1,2,3-cd)pyrene	ND	330		µg/Kg	1	5/19/2006
Isophorone	ND	330		µg/Kg	1	5/19/2006
N-Nitrosodi-n-propylamine	ND	330		µg/Kg	1	5/19/2006
N-Nitrosodiphenylamine	ND	330		µg/Kg	1	5/19/2006
Naphthalene	ND	330		µg/Kg	1	5/19/2006
Nitrobenzene	ND	330		µg/Kg	1	5/19/2006
Pentachlorophenol	ND	1600		µg/Kg	1	5/19/2006
Phenanthrene	ND	330		µg/Kg	1	5/19/2006
Phenol	ND	330		µg/Kg	1	5/19/2006
Pyrene	ND	330		µg/Kg	1	5/19/2006
Surr: 1,2-Dichlorobenzene-d4	76.4	46-105		%REC	1	5/19/2006
Surr: 2,4,6-Tribromophenol	86.2	46-146		%REC	1	5/19/2006
Surr: 2-Chlorophenol-d4	76.4	48-117		%REC	1	5/19/2006
Surr: 2-Fluorobiphenyl	79.5	54-112		%REC	1	5/19/2006
Surr: 2-Fluorophenol	74.6	45-119		%REC	1	5/19/2006
Surr: 4-Terphenyl-d14	85.2	46-135		%REC	1	5/19/2006
Surr: Nitrobenzene-d5	81.6	40-116		%REC	1	5/19/2006
Surr: Phenol-d5	77.0	37-127		%REC	1	5/19/2006

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Advanced Technology Laboratories

Date: *23-May-06*

CLIENT: Ninyo & Moore
Lab Order: 084475
Project: I-5 EXPANSION, 105812001
Lab ID: 084475-005

Client Sample ID: NM03-B9-15.0
Collection Date: 5/11/2006 9:47:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
LUFT				**EPA 8015B(M)**		
RunID: GC7_060518B	QC Batch: 28105			PrepDate: 5/18/2006		Analyst: **CBR**
DRO	ND	10		mg/Kg	1	5/19/2006
Surr: p-Terphenyl	89.5	56-131		%REC	1	5/19/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC1_060519A	QC Batch: D06VS037			PrepDate:		Analyst: **ML**
GRO	ND	1.0		mg/Kg	1	5/19/2006
Surr: Bromofluorobenzene (FID)	74.6	42-138		%REC	1	5/19/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS4_060518A	QC Batch: C06VS010			PrepDate:		Analyst: **TT**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1	5/18/2006
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	5/18/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	5/18/2006
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	5/18/2006
1,1-Dichloroethane	ND	5.0		µg/Kg	1	5/18/2006
1,1-Dichloroethene	ND	5.0		µg/Kg	1	5/18/2006
1,1-Dichloropropene	ND	5.0		µg/Kg	1	5/18/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1	5/18/2006
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1	5/18/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1	5/18/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1	5/18/2006
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1	5/18/2006
1,2-Dibromoethane	ND	5.0		µg/Kg	1	5/18/2006
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1	5/18/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	5/18/2006
1,2-Dichloropropane	ND	5.0		µg/Kg	1	5/18/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1	5/18/2006
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1	5/18/2006
1,3-Dichloropropane	ND	5.0		µg/Kg	1	5/18/2006
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1	5/18/2006
2,2-Dichloropropane	ND	5.0		µg/Kg	1	5/18/2006
2-Chlorotoluene	ND	5.0		µg/Kg	1	5/18/2006
4-Chlorotoluene	ND	5.0		µg/Kg	1	5/18/2006
4-Isopropyltoluene	ND	5.0		µg/Kg	1	5/18/2006
Benzene	ND	5.0		µg/Kg	1	5/18/2006
Bromobenzene	ND	5.0		µg/Kg	1	5/18/2006

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Advanced Technology Laboratories

Date: *23-May-06*

CLIENT: Ninyo & Moore
Lab Order: 084475
Project: I-5 EXPANSION, 105812001
Lab ID: 084475-005

Client Sample ID: NM03-B9-15.0
Collection Date: 5/11/2006 9:47:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS4_060518A	QC Batch: C06VS010			PrepDate:		Analyst: **TT**
Bromodichloromethane	ND	5.0		µg/Kg	1	5/18/2006
Bromoform	ND	5.0		µg/Kg	1	5/18/2006
Bromomethane	ND	5.0		µg/Kg	1	5/18/2006
Carbon tetrachloride	ND	5.0		µg/Kg	1	5/18/2006
Chlorobenzene	ND	5.0		µg/Kg	1	5/18/2006
Chloroethane	ND	5.0		µg/Kg	1	5/18/2006
Chloroform	ND	5.0		µg/Kg	1	5/18/2006
Chloromethane	ND	5.0		µg/Kg	1	5/18/2006
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	5/18/2006
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	5/18/2006
Dibromochloromethane	ND	5.0		µg/Kg	1	5/18/2006
Dibromomethane	ND	5.0		µg/Kg	1	5/18/2006
Dichlorodifluoromethane	ND	5.0		µg/Kg	1	5/18/2006
Ethylbenzene	ND	5.0		µg/Kg	1	5/18/2006
Hexachlorobutadiene	ND	5.0		µg/Kg	1	5/18/2006
Isopropylbenzene	ND	5.0		µg/Kg	1	5/18/2006
m,p-Xylene	ND	10		µg/Kg	1	5/18/2006
Methylene chloride	ND	5.0		µg/Kg	1	5/18/2006
n-Butylbenzene	ND	5.0		µg/Kg	1	5/18/2006
n-Propylbenzene	ND	5.0		µg/Kg	1	5/18/2006
Naphthalene	ND	5.0		µg/Kg	1	5/18/2006
o-Xylene	ND	5.0		µg/Kg	1	5/18/2006
sec-Butylbenzene	ND	5.0		µg/Kg	1	5/18/2006
Styrene	ND	5.0		µg/Kg	1	5/18/2006
tert-Butylbenzene	ND	5.0		µg/Kg	1	5/18/2006
Tetrachloroethene	ND	5.0		µg/Kg	1	5/18/2006
Toluene	ND	5.0		µg/Kg	1	5/18/2006
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	5/18/2006
Trichloroethene	ND	5.0		µg/Kg	1	5/18/2006
Trichlorofluoromethane	ND	5.0		µg/Kg	1	5/18/2006
Vinyl chloride	ND	5.0		µg/Kg	1	5/18/2006
Surr: 1,2-Dichloroethane-d4	97.6	58-138		%REC	1	5/18/2006
Surr: 4-Bromofluorobenzene	103	74-130		%REC	1	5/18/2006
Surr: Dibromofluoromethane	108	58-135		%REC	1	5/18/2006
Surr: Toluene-d8	96.9	84-130		%REC	1	5/18/2006

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Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS7_060519A	QC Batch: 28119				PrepDate: 5/19/2006	Analyst: **MFR**
1,2,4-Trichlorobenzene	ND	330		µg/Kg	1	5/19/2006
1,2-Dichlorobenzene	ND	330		µg/Kg	1	5/19/2006
1,3-Dichlorobenzene	ND	330		µg/Kg	1	5/19/2006
1,4-Dichlorobenzene	ND	330		µg/Kg	1	5/19/2006
2,4,5-Trichlorophenol	ND	330		µg/Kg	1	5/19/2006
2,4,6-Trichlorophenol	ND	330		µg/Kg	1	5/19/2006
2,4-Dichlorophenol	ND	1600		µg/Kg	1	5/19/2006
2,4-Dimethylphenol	ND	330		µg/Kg	1	5/19/2006
2,4-Dinitrophenol	ND	1600		µg/Kg	1	5/19/2006
2,4-Dinitrotoluene	ND	330		µg/Kg	1	5/19/2006
2,6-Dinitrotoluene	ND	330		µg/Kg	1	5/19/2006
2-Chloronaphthalene	ND	330		µg/Kg	1	5/19/2006
2-Chlorophenol	ND	330		µg/Kg	1	5/19/2006
2-Methylnaphthalene	ND	330		µg/Kg	1	5/19/2006
2-Methylphenol	ND	330		µg/Kg	1	5/19/2006
2-Nitroaniline	ND	1600		µg/Kg	1	5/19/2006
2-Nitrophenol	ND	330		µg/Kg	1	5/19/2006
3,3´-Dichlorobenzidine	ND	660		µg/Kg	1	5/19/2006
3-Nitroaniline	ND	1600		µg/Kg	1	5/19/2006
4,6-Dinitro-2-methylphenol	ND	1600		µg/Kg	1	5/19/2006
4-Bromophenyl-phenylether	ND	330		µg/Kg	1	5/19/2006
4-Chloro-3-methylphenol	ND	660		µg/Kg	1	5/19/2006
4-Chloroaniline	ND	660		µg/Kg	1	5/19/2006
4-Chlorophenyl-phenylether	ND	330		µg/Kg	1	5/19/2006
4-Methylphenol	ND	330		µg/Kg	1	5/19/2006
4-Nitroaniline	ND	1600		µg/Kg	1	5/19/2006
4-Nitrophenol	ND	1600		µg/Kg	1	5/19/2006
Acenaphthene	ND	330		µg/Kg	1	5/19/2006
Acenaphthylene	ND	330		µg/Kg	1	5/19/2006
Anthracene	ND	330		µg/Kg	1	5/19/2006
Benzidine (M)	ND	1600		µg/Kg	1	5/19/2006
Benzo(a)anthracene	ND	330		µg/Kg	1	5/19/2006
Benzo(a)pyrene	ND	330		µg/Kg	1	5/19/2006
Benzo(b)fluoranthene	ND	330		µg/Kg	1	5/19/2006
Benzo(g,h,i)perylene	ND	330		µg/Kg	1	5/19/2006
Benzo(k)fluoranthene	ND	330		µg/Kg	1	5/19/2006
Benzoic acid	ND	1600		µg/Kg	1	5/19/2006
Benzyl alcohol	ND	660		µg/Kg	1	5/19/2006

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SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS7_060519A	QC Batch: 28119				PrepDate: 5/19/2006	Analyst: **MFR**
Bis(2-chloroethoxy)methane	ND	330		µg/Kg	1	5/19/2006
Bis(2-chloroethyl)ether	ND	330		µg/Kg	1	5/19/2006
Bis(2-chloroisopropyl)ether	ND	330		µg/Kg	1	5/19/2006
Bis(2-ethylhexyl)phthalate	ND	330		µg/Kg	1	5/19/2006
Butylbenzylphthalate	ND	330		µg/Kg	1	5/19/2006
Chrysene	ND	330		µg/Kg	1	5/19/2006
Di-n-butylphthalate	ND	330		µg/Kg	1	5/19/2006
Di-n-octylphthalate	ND	330		µg/Kg	1	5/19/2006
Dibenz(a,h)anthracene	ND	330		µg/Kg	1	5/19/2006
Dibenzofuran	ND	330		µg/Kg	1	5/19/2006
Diethylphthalate	ND	330		µg/Kg	1	5/19/2006
Dimethylphthalate	ND	330		µg/Kg	1	5/19/2006
Fluoranthene	ND	330		µg/Kg	1	5/19/2006
Fluorene	ND	330		µg/Kg	1	5/19/2006
Hexachlorobenzene	ND	330		µg/Kg	1	5/19/2006
Hexachlorobutadiene	ND	660		µg/Kg	1	5/19/2006
Hexachlorocyclopentadiene	ND	660		µg/Kg	1	5/19/2006
Hexachloroethane	ND	330		µg/Kg	1	5/19/2006
Indeno(1,2,3-cd)pyrene	ND	330		µg/Kg	1	5/19/2006
Isophorone	ND	330		µg/Kg	1	5/19/2006
N-Nitrosodi-n-propylamine	ND	330		µg/Kg	1	5/19/2006
N-Nitrosodiphenylamine	ND	330		µg/Kg	1	5/19/2006
Naphthalene	ND	330		µg/Kg	1	5/19/2006
Nitrobenzene	ND	330		µg/Kg	1	5/19/2006
Pentachlorophenol	ND	1600		µg/Kg	1	5/19/2006
Phenanthrene	ND	330		µg/Kg	1	5/19/2006
Phenol	ND	330		µg/Kg	1	5/19/2006
Pyrene	ND	330		µg/Kg	1	5/19/2006
Surr: 1,2-Dichlorobenzene-d4	75.7	46-105		%REC	1	5/19/2006
Surr: 2,4,6-Tribromophenol	88.1	46-146		%REC	1	5/19/2006
Surr: 2-Chlorophenol-d4	75.2	48-117		%REC	1	5/19/2006
Surr: 2-Fluorobiphenyl	77.6	54-112		%REC	1	5/19/2006
Surr: 2-Fluorophenol	73.1	45-119		%REC	1	5/19/2006
Surr: 4-Terphenyl-d14	79.3	46-135		%REC	1	5/19/2006
Surr: Nitrobenzene-d5	81.0	40-116		%REC	1	5/19/2006
Surr: Phenol-d5	76.9	37-127		%REC	1	5/19/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *23-May-06*

CLIENT: Ninyo & Moore
Lab Order: 084475
Project: I-5 EXPANSION, 105812001
Lab ID: 084475-006

Client Sample ID: NM03-B9-GW
Collection Date: 5/16/2006 2:00:00 PM
Matrix: GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3510C				**EPA 8015B(M)**		
RunID: GC7_BACK_060519A QC Batch: 28096				PrepDate:	5/18/2006	Analyst: **CBR**
DRO	ND	0.20		mg/L	1	5/19/2006
Surr: p-Terphenyl	70.2	32-125		%REC	1	5/19/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC6_060518A QC Batch: I06VW127				PrepDate:		Analyst: **EA**
GRO	ND	0.20		mg/L	1	5/18/2006
Surr: Bromofluorobenzene (FID)	101	76-125		%REC	1	5/18/2006
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3510C				**EPA 8270C**		
RunID: MS7_060522A QC Batch: 28143				PrepDate:	5/22/2006	Analyst: **MFR**
1,2,4-Trichlorobenzene	ND	10		µg/L	1	5/22/2006
1,2-Dichlorobenzene	ND	10		µg/L	1	5/22/2006
1,3-Dichlorobenzene	ND	10		µg/L	1	5/22/2006
1,4-Dichlorobenzene	ND	10		µg/L	1	5/22/2006
2,4,5-Trichlorophenol	ND	10		µg/L	1	5/22/2006
2,4,6-Trichlorophenol	ND	10		µg/L	1	5/22/2006
2,4-Dichlorophenol	ND	10		µg/L	1	5/22/2006
2,4-Dimethylphenol	ND	10		µg/L	1	5/22/2006
2,4-Dinitrophenol	ND	50		µg/L	1	5/22/2006
2,4-Dinitrotoluene	ND	10		µg/L	1	5/22/2006
2,6-Dinitrotoluene	ND	10		µg/L	1	5/22/2006
2-Chloronaphthalene	ND	10		µg/L	1	5/22/2006
2-Chlorophenol	ND	10		µg/L	1	5/22/2006
2-Methylnaphthalene	ND	10		µg/L	1	5/22/2006
2-Methylphenol	ND	10		µg/L	1	5/22/2006
2-Nitroaniline	ND	50		µg/L	1	5/22/2006
2-Nitrophenol	ND	10		µg/L	1	5/22/2006
3,3´-Dichlorobenzidine	ND	20		µg/L	1	5/22/2006
3-Nitroaniline	ND	50		µg/L	1	5/22/2006
4,6-Dinitro-2-methylphenol	ND	50		µg/L	1	5/22/2006
4-Bromophenyl-phenylether	ND	10		µg/L	1	5/22/2006
4-Chloro-3-methylphenol	ND	50		µg/L	1	5/22/2006
4-Chloroaniline	ND	20		µg/L	1	5/22/2006
4-Chlorophenyl-phenylether	ND	10		µg/L	1	5/22/2006
4-Methylphenol	ND	10		µg/L	1	5/22/2006
4-Nitroaniline	ND	20		µg/L	1	5/22/2006

Qualifiers:

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H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
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Advanced Technology Laboratories

Date: *23-May-06*

CLIENT: Ninyo & Moore
Lab Order: 084475
Project: I-5 EXPANSION, 105812001
Lab ID: 084475-006

Client Sample ID: NM03-B9-GW
Collection Date: 5/16/2006 2:00:00 PM
Matrix: GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3510C				**EPA 8270C**		
RunID: MS7_060522A	QC Batch: 28143				PrepDate: 5/22/2006	Analyst: **MFR**
4-Nitrophenol	ND	50		µg/L	1	5/22/2006
Acenaphthene	ND	10		µg/L	1	5/22/2006
Acenaphthylene	ND	10		µg/L	1	5/22/2006
Anthracene	ND	10		µg/L	1	5/22/2006
Benzidine (M)	ND	50		µg/L	1	5/22/2006
Benzo(a)anthracene	ND	10		µg/L	1	5/22/2006
Benzo(a)pyrene	ND	10		µg/L	1	5/22/2006
Benzo(b)fluoranthene	ND	10		µg/L	1	5/22/2006
Benzo(g,h,i)perylene	ND	10		µg/L	1	5/22/2006
Benzo(k)fluoranthene	ND	10		µg/L	1	5/22/2006
Benzoic acid	ND	50		µg/L	1	5/22/2006
Benzyl alcohol	ND	20		µg/L	1	5/22/2006
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	5/22/2006
Bis(2-chloroethyl)ether	ND	10		µg/L	1	5/22/2006
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	5/22/2006
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	5/22/2006
Butylbenzylphthalate	ND	10		µg/L	1	5/22/2006
Chrysene	ND	10		µg/L	1	5/22/2006
Di-n-butylphthalate	ND	10		µg/L	1	5/22/2006
Di-n-octylphthalate	ND	10		µg/L	1	5/22/2006
Dibenz(a,h)anthracene	ND	10		µg/L	1	5/22/2006
Dibenzofuran	ND	10		µg/L	1	5/22/2006
Diethylphthalate	ND	10		µg/L	1	5/22/2006
Dimethylphthalate	ND	10		µg/L	1	5/22/2006
Fluoranthene	ND	10		µg/L	1	5/22/2006
Fluorene	ND	10		µg/L	1	5/22/2006
Hexachlorobenzene	ND	10		µg/L	1	5/22/2006
Hexachlorobutadiene	ND	20		µg/L	1	5/22/2006
Hexachlorocyclopentadiene	ND	10		µg/L	1	5/22/2006
Hexachloroethane	ND	10		µg/L	1	5/22/2006
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	5/22/2006
Isophorone	ND	10		µg/L	1	5/22/2006
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	5/22/2006
N-Nitrosodiphenylamine	ND	10		µg/L	1	5/22/2006
Naphthalene	ND	10		µg/L	1	5/22/2006
Nitrobenzene	ND	10		µg/L	1	5/22/2006
Pentachlorophenol	ND	50		µg/L	1	5/22/2006
Phenanthrene	ND	10		µg/L	1	5/22/2006

Qualifiers:

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Advanced Technology Laboratories

Date: *23-May-06*

CLIENT: Ninyo & Moore
Lab Order: 084475
Project: I-5 EXPANSION, 105812001
Lab ID: 084475-006

Client Sample ID: NM03-B9-GW
Collection Date: 5/16/2006 2:00:00 PM
Matrix: GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3510C				**EPA 8270C**		
RunID: MS7_060522A	QC Batch: 28143			PrepDate: 5/22/2006		Analyst: **MFR**
Phenol	ND	10		µg/L	1	5/22/2006
Pyrene	ND	10		µg/L	1	5/22/2006
Surr: 1,2-Dichlorobenzene-d4	83.6	41-103		%REC	1	5/22/2006
Surr: 2,4,6-Tribromophenol	100	55-137		%REC	1	5/22/2006
Surr: 2-Chlorophenol-d4	76.2	34-117		%REC	1	5/22/2006
Surr: 2-Fluorobiphenyl	84.8	49-114		%REC	1	5/22/2006
Surr: 2-Fluorophenol	46.2	24-74		%REC	1	5/22/2006
Surr: 4-Terphenyl-d14	88.9	42-138		%REC	1	5/22/2006
Surr: Nitrobenzene-d5	89.6	47-115		%REC	1	5/22/2006
Surr: Phenol-d5	34.6	16-63		%REC	1	5/22/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060518A	QC Batch: Q06VW089			PrepDate:		Analyst: **HH**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	5/18/2006
1,1,1-Trichloroethane	ND	5.0		µg/L	1	5/18/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	5/18/2006
1,1,2-Trichloroethane	ND	5.0		µg/L	1	5/18/2006
1,1-Dichloroethane	ND	5.0		µg/L	1	5/18/2006
1,1-Dichloroethene	ND	5.0		µg/L	1	5/18/2006
1,1-Dichloropropene	ND	5.0		µg/L	1	5/18/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/L	1	5/18/2006
1,2,3-Trichloropropane	ND	5.0		µg/L	1	5/18/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	5/18/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/L	1	5/18/2006
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	5/18/2006
1,2-Dibromoethane	ND	5.0		µg/L	1	5/18/2006
1,2-Dichlorobenzene	ND	5.0		µg/L	1	5/18/2006
1,2-Dichloroethane	ND	5.0		µg/L	1	5/18/2006
1,2-Dichloropropane	ND	5.0		µg/L	1	5/18/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	5/18/2006
1,3-Dichlorobenzene	ND	5.0		µg/L	1	5/18/2006
1,3-Dichloropropane	ND	5.0		µg/L	1	5/18/2006
1,4-Dichlorobenzene	ND	5.0		µg/L	1	5/18/2006
2,2-Dichloropropane	ND	5.0		µg/L	1	5/18/2006
2-Chlorotoluene	ND	5.0		µg/L	1	5/18/2006
4-Chlorotoluene	ND	5.0		µg/L	1	5/18/2006
4-Isopropyltoluene	ND	5.0		µg/L	1	5/18/2006

Qualifiers:

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H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *23-May-06*

CLIENT: Ninyo & Moore
Lab Order: 084475
Project: I-5 EXPANSION, 105812001
Lab ID: 084475-006

Client Sample ID: NM03-B9-GW
Collection Date: 5/16/2006 2:00:00 PM
Matrix: GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060518A	QC Batch:	Q06VW089			PrepDate:	Analyst: **HH**
Benzene	ND	5.0		µg/L	1	5/18/2006
Bromobenzene	ND	5.0		µg/L	1	5/18/2006
Bromodichloromethane	ND	5.0		µg/L	1	5/18/2006
Bromoform	ND	5.0		µg/L	1	5/18/2006
Bromomethane	ND	5.0		µg/L	1	5/18/2006
Carbon tetrachloride	ND	5.0		µg/L	1	5/18/2006
Chlorobenzene	ND	5.0		µg/L	1	5/18/2006
Chloroethane	ND	5.0		µg/L	1	5/18/2006
Chloroform	ND	5.0		µg/L	1	5/18/2006
Chloromethane	ND	5.0		µg/L	1	5/18/2006
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	5/18/2006
Dibromochloromethane	ND	5.0		µg/L	1	5/18/2006
Dibromomethane	ND	5.0		µg/L	1	5/18/2006
Dichlorodifluoromethane	ND	5.0		µg/L	1	5/18/2006
Ethylbenzene	ND	5.0		µg/L	1	5/18/2006
Hexachlorobutadiene	ND	5.0		µg/L	1	5/18/2006
Isopropylbenzene	ND	5.0		µg/L	1	5/18/2006
m,p-Xylene	ND	10		µg/L	1	5/18/2006
Methylene chloride	ND	5.0		µg/L	1	5/18/2006
n-Butylbenzene	ND	5.0		µg/L	1	5/18/2006
n-Propylbenzene	ND	5.0		µg/L	1	5/18/2006
Naphthalene	ND	5.0		µg/L	1	5/18/2006
o-Xylene	ND	5.0		µg/L	1	5/18/2006
sec-Butylbenzene	ND	5.0		µg/L	1	5/18/2006
Styrene	ND	5.0		µg/L	1	5/18/2006
tert-Butylbenzene	ND	5.0		µg/L	1	5/18/2006
Tetrachloroethene	ND	5.0		µg/L	1	5/18/2006
Toluene	ND	5.0		µg/L	1	5/18/2006
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	5/18/2006
Trichloroethene	ND	5.0		µg/L	1	5/18/2006
Trichlorofluoromethane	ND	5.0		µg/L	1	5/18/2006
Vinyl chloride	ND	5.0		µg/L	1	5/18/2006
Surr: 1,2-Dichloroethane-d4	96.8	70-126		%REC	1	5/18/2006
Surr: 4-Bromofluorobenzene	105	63-134		%REC	1	5/18/2006
Surr: Dibromofluoromethane	99.1	73-124		%REC	1	5/18/2006
Surr: Toluene-d8	110	84-123		%REC	1	5/18/2006

Qualifiers:

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DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *23-May-06*

CLIENT: Ninyo & Moore
Lab Order: 084475
Project: I-5 EXPANSION, 105812001
Lab ID: 084475-007

Client Sample ID: NM03-B9-Equip
Collection Date: 5/16/2006 2:30:00 PM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3510C				**EPA 8015B(M)**		
RunID: GC7_BACK_060519A	QC Batch: 28096			PrepDate:	5/18/2006	Analyst: **CBR**
DRO	ND	0.20		mg/L	1	5/19/2006
Surr: p-Terphenyl	54.2	32-125		%REC	1	5/19/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC6_060518A	QC Batch: I06VW127			PrepDate:		Analyst: **EA**
GRO	ND	0.20		mg/L	1	5/18/2006
Surr: Bromofluorobenzene (FID)	98.9	76-125		%REC	1	5/18/2006
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3510C				**EPA 8270C**		
RunID: MS7_060522A	QC Batch: 28143			PrepDate:	5/22/2006	Analyst: **MFR**
1,2,4-Trichlorobenzene	ND	10		µg/L	1	5/22/2006
1,2-Dichlorobenzene	ND	10		µg/L	1	5/22/2006
1,3-Dichlorobenzene	ND	10		µg/L	1	5/22/2006
1,4-Dichlorobenzene	ND	10		µg/L	1	5/22/2006
2,4,5-Trichlorophenol	ND	10		µg/L	1	5/22/2006
2,4,6-Trichlorophenol	ND	10		µg/L	1	5/22/2006
2,4-Dichlorophenol	ND	10		µg/L	1	5/22/2006
2,4-Dimethylphenol	ND	10		µg/L	1	5/22/2006
2,4-Dinitrophenol	ND	50		µg/L	1	5/22/2006
2,4-Dinitrotoluene	ND	10		µg/L	1	5/22/2006
2,6-Dinitrotoluene	ND	10		µg/L	1	5/22/2006
2-Chloronaphthalene	ND	10		µg/L	1	5/22/2006
2-Chlorophenol	ND	10		µg/L	1	5/22/2006
2-Methylnaphthalene	ND	10		µg/L	1	5/22/2006
2-Methylphenol	ND	10		µg/L	1	5/22/2006
2-Nitroaniline	ND	50		µg/L	1	5/22/2006
2-Nitrophenol	ND	10		µg/L	1	5/22/2006
3,3´-Dichlorobenzidine	ND	20		µg/L	1	5/22/2006
3-Nitroaniline	ND	50		µg/L	1	5/22/2006
4,6-Dinitro-2-methylphenol	ND	50		µg/L	1	5/22/2006
4-Bromophenyl-phenylether	ND	10		µg/L	1	5/22/2006
4-Chloro-3-methylphenol	ND	50		µg/L	1	5/22/2006
4-Chloroaniline	ND	20		µg/L	1	5/22/2006
4-Chlorophenyl-phenylether	ND	10		µg/L	1	5/22/2006
4-Methylphenol	ND	10		µg/L	1	5/22/2006
4-Nitroaniline	ND	20		µg/L	1	5/22/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
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Advanced Technology Laboratories

Date: *23-May-06*

CLIENT: Ninyo & Moore
Lab Order: 084475
Project: I-5 EXPANSION, 105812001
Lab ID: 084475-007

Client Sample ID: NM03-B9-Equip
Collection Date: 5/16/2006 2:30:00 PM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3510C				**EPA 8270C**		
RunID: MS7_060522A	QC Batch: 28143				PrepDate: 5/22/2006	Analyst: **MFR**
4-Nitrophenol	ND	50		µg/L	1	5/22/2006
Acenaphthene	ND	10		µg/L	1	5/22/2006
Acenaphthylene	ND	10		µg/L	1	5/22/2006
Anthracene	ND	10		µg/L	1	5/22/2006
Benzidine (M)	ND	50		µg/L	1	5/22/2006
Benzo(a)anthracene	ND	10		µg/L	1	5/22/2006
Benzo(a)pyrene	ND	10		µg/L	1	5/22/2006
Benzo(b)fluoranthene	ND	10		µg/L	1	5/22/2006
Benzo(g,h,i)perylene	ND	10		µg/L	1	5/22/2006
Benzo(k)fluoranthene	ND	10		µg/L	1	5/22/2006
Benzoic acid	ND	50		µg/L	1	5/22/2006
Benzyl alcohol	ND	20		µg/L	1	5/22/2006
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	5/22/2006
Bis(2-chloroethyl)ether	ND	10		µg/L	1	5/22/2006
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	5/22/2006
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	5/22/2006
Butylbenzylphthalate	ND	10		µg/L	1	5/22/2006
Chrysene	ND	10		µg/L	1	5/22/2006
Di-n-butylphthalate	ND	10		µg/L	1	5/22/2006
Di-n-octylphthalate	ND	10		µg/L	1	5/22/2006
Dibenz(a,h)anthracene	ND	10		µg/L	1	5/22/2006
Dibenzofuran	ND	10		µg/L	1	5/22/2006
Diethylphthalate	ND	10		µg/L	1	5/22/2006
Dimethylphthalate	ND	10		µg/L	1	5/22/2006
Fluoranthene	ND	10		µg/L	1	5/22/2006
Fluorene	ND	10		µg/L	1	5/22/2006
Hexachlorobenzene	ND	10		µg/L	1	5/22/2006
Hexachlorobutadiene	ND	20		µg/L	1	5/22/2006
Hexachlorocyclopentadiene	ND	10		µg/L	1	5/22/2006
Hexachloroethane	ND	10		µg/L	1	5/22/2006
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	5/22/2006
Isophorone	ND	10		µg/L	1	5/22/2006
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	5/22/2006
N-Nitrosodiphenylamine	ND	10		µg/L	1	5/22/2006
Naphthalene	ND	10		µg/L	1	5/22/2006
Nitrobenzene	ND	10		µg/L	1	5/22/2006
Pentachlorophenol	ND	50		µg/L	1	5/22/2006
Phenanthrene	ND	10		µg/L	1	5/22/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *23-May-06*

CLIENT: Ninyo & Moore
Lab Order: 084475
Project: I-5 EXPANSION, 105812001
Lab ID: 084475-007

Client Sample ID: NM03-B9-Equip
Collection Date: 5/16/2006 2:30:00 PM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3510C				**EPA 8270C**		
RunID: MS7_060522A	QC Batch: 28143			PrepDate: 5/22/2006		Analyst: **MFR**
Phenol	ND	10		µg/L	1	5/22/2006
Pyrene	ND	10		µg/L	1	5/22/2006
Surr: 1,2-Dichlorobenzene-d4	75.8	41-103		%REC	1	5/22/2006
Surr: 2,4,6-Tribromophenol	86.4	55-137		%REC	1	5/22/2006
Surr: 2-Chlorophenol-d4	68.6	34-117		%REC	1	5/22/2006
Surr: 2-Fluorobiphenyl	78.8	49-114		%REC	1	5/22/2006
Surr: 2-Fluorophenol	40.6	24-74		%REC	1	5/22/2006
Surr: 4-Terphenyl-d14	89.2	42-138		%REC	1	5/22/2006
Surr: Nitrobenzene-d5	82.2	47-115		%REC	1	5/22/2006
Surr: Phenol-d5	26.8	16-63		%REC	1	5/22/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060518A	QC Batch: Q06VW089			PrepDate:		Analyst: **HH**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	5/18/2006
1,1,1-Trichloroethane	ND	5.0		µg/L	1	5/18/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	5/18/2006
1,1,2-Trichloroethane	ND	5.0		µg/L	1	5/18/2006
1,1-Dichloroethane	ND	5.0		µg/L	1	5/18/2006
1,1-Dichloroethene	ND	5.0		µg/L	1	5/18/2006
1,1-Dichloropropene	ND	5.0		µg/L	1	5/18/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/L	1	5/18/2006
1,2,3-Trichloropropane	ND	5.0		µg/L	1	5/18/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	5/18/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/L	1	5/18/2006
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	5/18/2006
1,2-Dibromoethane	ND	5.0		µg/L	1	5/18/2006
1,2-Dichlorobenzene	ND	5.0		µg/L	1	5/18/2006
1,2-Dichloroethane	ND	5.0		µg/L	1	5/18/2006
1,2-Dichloropropane	ND	5.0		µg/L	1	5/18/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	5/18/2006
1,3-Dichlorobenzene	ND	5.0		µg/L	1	5/18/2006
1,3-Dichloropropane	ND	5.0		µg/L	1	5/18/2006
1,4-Dichlorobenzene	ND	5.0		µg/L	1	5/18/2006
2,2-Dichloropropane	ND	5.0		µg/L	1	5/18/2006
2-Chlorotoluene	ND	5.0		µg/L	1	5/18/2006
4-Chlorotoluene	ND	5.0		µg/L	1	5/18/2006
4-Isopropyltoluene	ND	5.0		µg/L	1	5/18/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *23-May-06*

CLIENT: Ninyo & Moore
Lab Order: 084475
Project: I-5 EXPANSION, 105812001
Lab ID: 084475-007

Client Sample ID: NM03-B9-Equip
Collection Date: 5/16/2006 2:30:00 PM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060518A	QC Batch:	Q06VW089			PrepDate:	Analyst: **HH**
Benzene	ND	5.0		µg/L	1	5/18/2006
Bromobenzene	ND	5.0		µg/L	1	5/18/2006
Bromodichloromethane	ND	5.0		µg/L	1	5/18/2006
Bromoform	ND	5.0		µg/L	1	5/18/2006
Bromomethane	ND	5.0		µg/L	1	5/18/2006
Carbon tetrachloride	ND	5.0		µg/L	1	5/18/2006
Chlorobenzene	ND	5.0		µg/L	1	5/18/2006
Chloroethane	ND	5.0		µg/L	1	5/18/2006
Chloroform	ND	5.0		µg/L	1	5/18/2006
Chloromethane	ND	5.0		µg/L	1	5/18/2006
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	5/18/2006
Dibromochloromethane	ND	5.0		µg/L	1	5/18/2006
Dibromomethane	ND	5.0		µg/L	1	5/18/2006
Dichlorodifluoromethane	ND	5.0		µg/L	1	5/18/2006
Ethylbenzene	ND	5.0		µg/L	1	5/18/2006
Hexachlorobutadiene	ND	5.0		µg/L	1	5/18/2006
Isopropylbenzene	ND	5.0		µg/L	1	5/18/2006
m,p-Xylene	ND	10		µg/L	1	5/18/2006
Methylene chloride	ND	5.0		µg/L	1	5/18/2006
n-Butylbenzene	ND	5.0		µg/L	1	5/18/2006
n-Propylbenzene	ND	5.0		µg/L	1	5/18/2006
Naphthalene	ND	5.0		µg/L	1	5/18/2006
o-Xylene	ND	5.0		µg/L	1	5/18/2006
sec-Butylbenzene	ND	5.0		µg/L	1	5/18/2006
Styrene	ND	5.0		µg/L	1	5/18/2006
tert-Butylbenzene	ND	5.0		µg/L	1	5/18/2006
Tetrachloroethene	ND	5.0		µg/L	1	5/18/2006
Toluene	ND	5.0		µg/L	1	5/18/2006
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	5/18/2006
Trichloroethene	ND	5.0		µg/L	1	5/18/2006
Trichlorofluoromethane	ND	5.0		µg/L	1	5/18/2006
Vinyl chloride	ND	5.0		µg/L	1	5/18/2006
Surr: 1,2-Dichloroethane-d4	99.5	70-126		%REC	1	5/18/2006
Surr: 4-Bromofluorobenzene	104	63-134		%REC	1	5/18/2006
Surr: Dibromofluoromethane	102	73-124		%REC	1	5/18/2006
Surr: Toluene-d8	112	84-123		%REC	1	5/18/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *23-May-06*

CLIENT: Ninyo & Moore
Lab Order: 084475
Project: I-5 EXPANSION, 105812001
Lab ID: 084475-008

Client Sample ID: NM03-B9-TRIP2
Collection Date: 5/16/2006 1:00:00 PM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060518A	QC Batch: Q06VW089				PrepDate:	Analyst: **HH**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	5/18/2006
1,1,1-Trichloroethane	ND	5.0		µg/L	1	5/18/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	5/18/2006
1,1,2-Trichloroethane	ND	5.0		µg/L	1	5/18/2006
1,1-Dichloroethane	ND	5.0		µg/L	1	5/18/2006
1,1-Dichloroethene	ND	5.0		µg/L	1	5/18/2006
1,1-Dichloropropene	ND	5.0		µg/L	1	5/18/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/L	1	5/18/2006
1,2,3-Trichloropropane	ND	5.0		µg/L	1	5/18/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	5/18/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/L	1	5/18/2006
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	5/18/2006
1,2-Dibromoethane	ND	5.0		µg/L	1	5/18/2006
1,2-Dichlorobenzene	ND	5.0		µg/L	1	5/18/2006
1,2-Dichloroethane	ND	5.0		µg/L	1	5/18/2006
1,2-Dichloropropane	ND	5.0		µg/L	1	5/18/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	5/18/2006
1,3-Dichlorobenzene	ND	5.0		µg/L	1	5/18/2006
1,3-Dichloropropane	ND	5.0		µg/L	1	5/18/2006
1,4-Dichlorobenzene	ND	5.0		µg/L	1	5/18/2006
2,2-Dichloropropane	ND	5.0		µg/L	1	5/18/2006
2-Chlorotoluene	ND	5.0		µg/L	1	5/18/2006
4-Chlorotoluene	ND	5.0		µg/L	1	5/18/2006
4-Isopropyltoluene	ND	5.0		µg/L	1	5/18/2006
Benzene	ND	5.0		µg/L	1	5/18/2006
Bromobenzene	ND	5.0		µg/L	1	5/18/2006
Bromodichloromethane	ND	5.0		µg/L	1	5/18/2006
Bromoform	ND	5.0		µg/L	1	5/18/2006
Bromomethane	ND	5.0		µg/L	1	5/18/2006
Carbon tetrachloride	ND	5.0		µg/L	1	5/18/2006
Chlorobenzene	ND	5.0		µg/L	1	5/18/2006
Chloroethane	ND	5.0		µg/L	1	5/18/2006
Chloroform	ND	5.0		µg/L	1	5/18/2006
Chloromethane	ND	5.0		µg/L	1	5/18/2006
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	5/18/2006
Dibromochloromethane	ND	5.0		µg/L	1	5/18/2006
Dibromomethane	ND	5.0		µg/L	1	5/18/2006
Dichlorodifluoromethane	ND	5.0		µg/L	1	5/18/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *23-May-06*

CLIENT: Ninyo & Moore
Lab Order: 084475
Project: I-5 EXPANSION, 105812001
Lab ID: 084475-008

Client Sample ID: NM03-B9-TRIP2
Collection Date: 5/16/2006 1:00:00 PM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060518A	QC Batch:	Q06VW089			PrepDate:	Analyst: **HH**
Ethylbenzene	ND	5.0		µg/L	1	5/18/2006
Hexachlorobutadiene	ND	5.0		µg/L	1	5/18/2006
Isopropylbenzene	ND	5.0		µg/L	1	5/18/2006
m,p-Xylene	ND	10		µg/L	1	5/18/2006
Methylene chloride	ND	5.0		µg/L	1	5/18/2006
n-Butylbenzene	ND	5.0		µg/L	1	5/18/2006
n-Propylbenzene	ND	5.0		µg/L	1	5/18/2006
Naphthalene	ND	5.0		µg/L	1	5/18/2006
o-Xylene	ND	5.0		µg/L	1	5/18/2006
sec-Butylbenzene	ND	5.0		µg/L	1	5/18/2006
Styrene	ND	5.0		µg/L	1	5/18/2006
tert-Butylbenzene	ND	5.0		µg/L	1	5/18/2006
Tetrachloroethene	ND	5.0		µg/L	1	5/18/2006
Toluene	ND	5.0		µg/L	1	5/18/2006
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	5/18/2006
Trichloroethene	ND	5.0		µg/L	1	5/18/2006
Trichlorofluoromethane	ND	5.0		µg/L	1	5/18/2006
Vinyl chloride	ND	5.0		µg/L	1	5/18/2006
Surr: 1,2-Dichloroethane-d4	99.9	70-126		%REC	1	5/18/2006
Surr: 4-Bromofluorobenzene	106	63-134		%REC	1	5/18/2006
Surr: Dibromofluoromethane	103	73-124		%REC	1	5/18/2006
Surr: Toluene-d8	110	84-123		%REC	1	5/18/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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CLIENT: Ninyo & Moore
Work Order: 084475
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **MB-28123** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **5/19/2006** RunNo: **63532**
Client ID: **PBS** Batch ID: **28123** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **5/19/2006** SeqNo: **939985**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID: **LCS-28123** SampType: **LCS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **5/19/2006** RunNo: **63532**
Client ID: **LCSS** Batch ID: **28123** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **5/19/2006** SeqNo: **939986**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	241.76	1.0	250.0	0	96.7	80	120				

Sample ID: **084475-001ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **5/19/2006** RunNo: **63532**
Client ID: **NM03-B9-1.0** Batch ID: **28123** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **5/19/2006** SeqNo: **939988**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.77	1.0						5.604	2.87	20	

Sample ID: **084475-001AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **5/19/2006** RunNo: **63532**
Client ID: **NM03-B9-1.0** Batch ID: **28123** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **5/19/2006** SeqNo: **939989**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	205.53	1.0	250.0	5.604	80.0	31	122				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 084475
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DSL H

Sample ID: **MB-28105** SampType: **MBLK** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **5/18/2006** RunNo: **63517**
Client ID: **PBS** Batch ID: **28105** TestNo: **EPA 8015B(M LUFT** Analysis Date: **5/19/2006** SeqNo: **940436**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	10									
Surr: p-Terphenyl	74.22		80.00		92.8	56	131				

Sample ID: **LCS-28105** SampType: **LCS** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **5/18/2006** RunNo: **63517**
Client ID: **LCSS** Batch ID: **28105** TestNo: **EPA 8015B(M LUFT** Analysis Date: **5/19/2006** SeqNo: **940437**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	828.00	10	1000	0	82.8	67	131				
Surr: p-Terphenyl	86.23		80.00		108	56	131				

Sample ID: **084491-001AMS** SampType: **MS** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **5/18/2006** RunNo: **63517**
Client ID: **ZZZZZZ** Batch ID: **28105** TestNo: **EPA 8015B(M LUFT** Analysis Date: **5/19/2006** SeqNo: **940438**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	844.78	10	1000	0	84.5	49	140				
Surr: p-Terphenyl	82.09		80.00		103	56	131				

Sample ID: **084475-003ADUP** SampType: **DUP** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **5/18/2006** RunNo: **63517**
Client ID: **NM03-B9-5.0** Batch ID: **28105** TestNo: **EPA 8015B(M LUFT** Analysis Date: **5/19/2006** SeqNo: **940440**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	17.46	10						27.49	44.6	30	R
Surr: p-Terphenyl	68.98		80.00		86.2	56	131		0	0	

Sample ID: **084491-001AMSD** SampType: **MSD** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **5/18/2006** RunNo: **63517**
Client ID: **ZZZZZZ** Batch ID: **28105** TestNo: **EPA 8015B(M LUFT** Analysis Date: **5/19/2006** SeqNo: **940446**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	842.27	10	1000	0	84.2	49	140	844.8	0.297	30	
Surr: p-Terphenyl	74.11		80.00		92.6	56	131		0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 084475
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID: **D051906MB1** SampType: **MBLK** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **63550**
Client ID: **PBS** Batch ID: **D06VS037** TestNo: **EPA 8015B(M** Analysis Date: **5/19/2006** SeqNo: **940048**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.16	1.0									
Surr: Bromofluorobenzene (FID)	68.89		100.0		68.9	42	138				

Sample ID: **084475-003A** SampType: **DUP** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **63550**
Client ID: **NM03-B9-5.0** Batch ID: **D06VS037** TestNo: **EPA 8015B(M** Analysis Date: **5/19/2006** SeqNo: **940050**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0						0	0	30	
Surr: Bromofluorobenzene (FID)	73.80		100.0		73.8	42	138		0	0	

Sample ID: **D051906MB1MS** SampType: **MS** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **63550**
Client ID: **ZZZZZZ** Batch ID: **D06VS037** TestNo: **EPA 8015B(M** Analysis Date: **5/19/2006** SeqNo: **940051**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.82	1.0	5.000	0	96.5	34	140				
Surr: Bromofluorobenzene (FID)	88.13		100.0		88.1	42	138				

Sample ID: **D051906MB1MSD** SampType: **MSD** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **63550**
Client ID: **ZZZZZZ** Batch ID: **D06VS037** TestNo: **EPA 8015B(M** Analysis Date: **5/19/2006** SeqNo: **940052**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.09	1.0	5.000	0	81.8	34	140	4.823	16.4	30	
Surr: Bromofluorobenzene (FID)	84.53		100.0		84.5	42	138		0	30	

Sample ID: **D051906LCS2** SampType: **LCS** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **63550**
Client ID: **LCSS** Batch ID: **D06VS037** TestNo: **EPA 8015B(M** Analysis Date: **5/19/2006** SeqNo: **940055**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.67	1.0	5.000	0.1550	90.3	78	122				
Surr: Bromofluorobenzene (FID)	88.00		100.0		88.0	42	138				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_DSL H

Sample ID: **MB-28096**	SampType: **MBLK**	TestCode: **8015_W_DSL**	Units: **mg/L**	Prep Date: **5/18/2006**	RunNo: **63547**
Client ID: **PBW**	Batch ID: **28096**	TestNo: **EPA 8015B(M**	**EPA 3510C**	Analysis Date: **5/19/2006**	SeqNo: **940026**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	0.20									
Surr: p-Terphenyl	0.04		0.08000		51.1	32	125				

Sample ID: **LCS-28096**	SampType: **LCS**	TestCode: **8015_W_DSL**	Units: **mg/L**	Prep Date: **5/18/2006**	RunNo: **63547**
Client ID: **LCSW**	Batch ID: **28096**	TestNo: **EPA 8015B(M**	**EPA 3510C**	Analysis Date: **5/19/2006**	SeqNo: **940027**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.96	0.20	1.000	0	96.3	60	130				
Surr: p-Terphenyl	0.06		0.08000		73.9	32	125				

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interferenc	DO	Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_G PRES

Sample ID: **I051806LCS1** SampType: **LCS** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **63464**
Client ID: **LCSW** Batch ID: **I06VW127** TestNo: **EPA 8015B(M** Analysis Date: **5/18/2006** SeqNo: **939038**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	1.07	0.20	1.000	0	107	71	122				
Surr: Bromofluorobenzene (FID)	111.04		100.0		111	76	125				

Sample ID: **I051806MB2MS** SampType: **MS** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **63464**
Client ID: **ZZZZZZ** Batch ID: **I06VW127** TestNo: **EPA 8015B(M** Analysis Date: **5/18/2006** SeqNo: **939039**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	1.09	0.20	1.000	0	109	71	122				
Surr: Bromofluorobenzene (FID)	108.25		100.0		108	76	125				

Sample ID: **I051806MB2MSD** SampType: **MSD** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **63464**
Client ID: **ZZZZZZ** Batch ID: **I06VW127** TestNo: **EPA 8015B(M** Analysis Date: **5/18/2006** SeqNo: **939040**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	1.03	0.20	1.000	0	103	71	122	1.094	6.42	30	
Surr: Bromofluorobenzene (FID)	110.30		100.0		110	76	125		0	0	

Sample ID: **I051806MB2** SampType: **MBLK** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **63464**
Client ID: **PBW** Batch ID: **I06VW127** TestNo: **EPA 8015B(M** Analysis Date: **5/18/2006** SeqNo: **939041**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.20									
Surr: Bromofluorobenzene (FID)	100.93		100.0		101	76	125				

Sample ID: **084475-006B** SampType: **DUP** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **63464**
Client ID: **NM03-B9-GW** Batch ID: **I06VW127** TestNo: **EPA 8015B(M** Analysis Date: **5/18/2006** SeqNo: **939047**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.06	0.20						0.06100	0	30	
Surr: Bromofluorobenzene (FID)	100.67		100.0		101	76	125		0	0	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **C051806LC1** SampType: **LCS** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **63515**
Client ID: **LCSS** Batch ID: **C06VS010** TestNo: **EPA 8260B** Analysis Date: **5/18/2006** SeqNo: **939533**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	98.97	5.0	100.0	0	99.0	76	126				
Benzene	103.86	5.0	100.0	0	104	77	131				
Chlorobenzene	106.27	5.0	100.0	0	106	81	136				
Toluene	103.30	5.0	100.0	0	103	78	129				
Trichloroethene	103.88	5.0	100.0	0	104	78	136				
Surr: 1,2-Dichloroethane-d4	42.68		50.00		85.4	58	138				
Surr: 4-Bromofluorobenzene	56.09		50.00		112	74	130				
Surr: Dibromofluoromethane	47.15		50.00		94.3	58	135				
Surr: Toluene-d8	50.59		50.00		101	84	130				

Sample ID: **C051806MB2MS** SampType: **MS** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **63515**
Client ID: **ZZZZZZ** Batch ID: **C06VS010** TestNo: **EPA 8260B** Analysis Date: **5/18/2006** SeqNo: **939535**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	98.60	5.0	100.0	0	98.6	59	146				
Benzene	104.51	5.0	100.0	0	105	68	137				
Chlorobenzene	106.28	5.0	100.0	0	106	64	144				
Toluene	104.42	5.0	100.0	0	104	53	150				
Trichloroethene	104.22	5.0	100.0	0	104	58	155				
Surr: 1,2-Dichloroethane-d4	42.59		50.00		85.2	58	138				
Surr: 4-Bromofluorobenzene	55.92		50.00		112	74	130				
Surr: Dibromofluoromethane	46.57		50.00		93.1	58	135				
Surr: Toluene-d8	50.95		50.00		102	84	130				

Sample ID: **C051806MB2MSD** SampType: **MSD** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **63515**
Client ID: **ZZZZZZ** Batch ID: **C06VS010** TestNo: **EPA 8260B** Analysis Date: **5/18/2006** SeqNo: **939536**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	97.81	5.0	100.0	0	97.8	59	146	98.60	0.804	30	
Benzene	101.09	5.0	100.0	0	101	68	137	104.5	3.33	30	
Chlorobenzene	102.03	5.0	100.0	0	102	64	144	106.3	4.08	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
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S Spike/Surrogate outside of limits due to matrix interferenc
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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **C051806MB2MSD** SampType: **MSD** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **63515**
Client ID: **ZZZZZZ** Batch ID: **C06VS010** TestNo: **EPA 8260B** Analysis Date: **5/18/2006** SeqNo: **939536**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	100.63	5.0	100.0	0	101	53	150	104.4	3.70	30	
Trichloroethene	99.98	5.0	100.0	0	100	58	155	104.2	4.15	30	
Surr: 1,2-Dichloroethane-d4	41.47		50.00		82.9	58	138		0	30	
Surr: 4-Bromofluorobenzene	53.19		50.00		106	74	130		0	30	
Surr: Dibromofluoromethane	45.14		50.00		90.3	58	135		0	30	
Surr: Toluene-d8	48.71		50.00		97.4	84	130		0	30	

Sample ID: **C051806MB2** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **63515**
Client ID: **PBS** Batch ID: **C06VS010** TestNo: **EPA 8260B** Analysis Date: **5/18/2006** SeqNo: **939537**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
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S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **C051806MB2** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **63515**
Client ID: **PBS** Batch ID: **C06VS010** TestNo: **EPA 8260B** Analysis Date: **5/18/2006** SeqNo: **939537**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	1.82	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									

Qualifiers:
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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **C051806MB2** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **63515**
Client ID: **PBS** Batch ID: **C06VS010** TestNo: **EPA 8260B** Analysis Date: **5/18/2006** SeqNo: **939537**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	48.35		50.00		96.7	58	138				
Surr: 4-Bromofluorobenzene	52.65		50.00		105	74	130				
Surr: Dibromofluoromethane	52.13		50.00		104	58	135				
Surr: Toluene-d8	49.70		50.00		99.4	84	130				

Sample ID: **084475-003A** SampType: **DUP** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **63515**
Client ID: **NM03-B9-5.0** Batch ID: **C06VS010** TestNo: **EPA 8260B** Analysis Date: **5/18/2006** SeqNo: **939539**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0						0	0	30	
1,1,1-Trichloroethane	ND	5.0						0	0	30	
1,1,2,2-Tetrachloroethane	ND	5.0						0	0	30	
1,1,2-Trichloroethane	ND	5.0						0	0	30	
1,1-Dichloroethane	ND	5.0						0	0	30	
1,1-Dichloroethene	ND	5.0						0	0	30	
1,1-Dichloropropene	ND	5.0						0	0	30	
1,2,3-Trichlorobenzene	ND	5.0						0	0	30	
1,2,3-Trichloropropane	ND	5.0						0	0	30	
1,2,4-Trichlorobenzene	ND	5.0						0	0	30	
1,2,4-Trimethylbenzene	ND	5.0						0	0	30	
1,2-Dibromo-3-chloropropane	ND	10						0	0	30	
1,2-Dibromoethane	ND	5.0						0	0	30	
1,2-Dichlorobenzene	ND	5.0						0	0	30	
1,2-Dichloroethane	ND	5.0						0	0	30	
1,2-Dichloropropane	ND	5.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
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ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **084475-003A** SampType: **DUP** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **63515**
Client ID: **NM03-B9-5.0** Batch ID: **C06VS010** TestNo: **EPA 8260B** Analysis Date: **5/18/2006** SeqNo: **939539**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trimethylbenzene	ND	5.0						0	0	30	
1,3-Dichlorobenzene	ND	5.0						0	0	30	
1,3-Dichloropropane	ND	5.0						0	0	30	
1,4-Dichlorobenzene	ND	5.0						0	0	30	
2,2-Dichloropropane	ND	5.0						0	0	30	
2-Butanone	ND	50						0	0	30	
2-Chloroethyl vinyl ether	ND	5.0						0	0	30	
2-Chlorotoluene	ND	5.0						0	0	30	
2-Hexanone	ND	50						0	0	30	
4-Chlorotoluene	ND	5.0						0	0	30	
4-Isopropyltoluene	ND	5.0						0	0	30	
4-Methyl-2-pentanone	ND	50						0	0	30	
Acetone	ND	50						0	0	30	
Acrolein	ND	50						0	0	30	
Acrylonitrile	ND	50						0	0	30	
Benzene	ND	5.0						0	0	30	
Bromobenzene	ND	5.0						0	0	30	
Bromochloromethane	ND	5.0						0	0	30	
Bromodichloromethane	ND	5.0						0	0	30	
Bromoform	ND	5.0						0	0	30	
Bromomethane	ND	5.0						0	0	30	
Carbon disulfide	ND	5.0						0	0	30	
Carbon tetrachloride	ND	5.0						0	0	30	
Chlorobenzene	2.99	5.0						2.960	0	30	
Chloroethane	ND	5.0						0	0	30	
Chloroform	ND	5.0						0	0	30	
Chloromethane	ND	5.0						0	0	30	
cis-1,2-Dichloroethene	ND	5.0						0	0	30	
cis-1,3-Dichloropropene	ND	5.0						0	0	30	
Cyclohexanone	ND	50						0	0	30	
Di-isopropyl ether	ND	5.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **084475-003A** SampType: **DUP** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **63515**
Client ID: **NM03-B9-5.0** Batch ID: **C06VS010** TestNo: **EPA 8260B** Analysis Date: **5/18/2006** SeqNo: **939539**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	ND	5.0						0	0	30	
Dibromomethane	ND	5.0						0	0	30	
Dichlorodifluoromethane	ND	5.0						0	0	30	
Ethyl Acetate	ND	50						0	0	30	
Ethyl Ether	ND	50						0	0	30	
Ethyl Tert-butyl ether	ND	5.0						0	0	30	
Ethylbenzene	ND	5.0						0	0	30	
Freon-113	ND	5.0						0	0	30	
Hexachlorobutadiene	ND	5.0						0	0	30	
Iodomethane	ND	5.0						0	0	30	
Isopropylbenzene	ND	5.0						0	0	30	
m,p-Xylene	ND	10						0	0	30	
Methylene chloride	2.65	5.0						3.090	0	30	
MTBE	ND	5.0						0	0	30	
n-Butylbenzene	ND	5.0						0	0	30	
n-Propylbenzene	ND	5.0						0	0	30	
Naphthalene	ND	5.0						0	0	30	
o-Xylene	ND	5.0						0	0	30	
sec-Butylbenzene	ND	5.0						0	0	30	
Styrene	ND	5.0						0	0	30	
Tert-amyl methyl ether	ND	5.0						0	0	30	
Tert-Butanol	ND	100						0	0	30	
tert-Butylbenzene	ND	5.0						0	0	30	
Tetrachloroethene	ND	5.0						0	0	30	
Toluene	ND	5.0						0	0	30	
trans-1,2-Dichloroethene	ND	5.0						0	0	30	
trans-1,3-Dichloropropene	ND	5.0						0	0	30	
Trichloroethene	ND	5.0						0	0	30	
Trichlorofluoromethane	ND	5.0						0	0	30	
Vinyl acetate	ND	50						0	0	30	
Vinyl chloride	ND	5.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Work Order: 084475
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **084475-003A** SampType: **DUP** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **63515**
Client ID: **NM03-B9-5.0** Batch ID: **C06VS010** TestNo: **EPA 8260B** Analysis Date: **5/18/2006** SeqNo: **939539**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Xylenes, Total	ND	15						0	0	30	
Surr: 1,2-Dichloroethane-d4	49.45		50.00		98.9	58	138		0	30	
Surr: 4-Bromofluorobenzene	50.77		50.00		102	74	130		0	30	
Surr: Dibromofluoromethane	51.43		50.00		103	58	135		0	30	
Surr: Toluene-d8	48.12		50.00		96.2	84	130		0	30	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interferenc	DO	Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 084475
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **Q051806LC1** SampType: **LCS** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **63524**
Client ID: **LCSW** Batch ID: **Q06VW089** TestNo: **EPA 8260B** Analysis Date: **5/18/2006** SeqNo: **939732**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	21.24	5.0	20.00	0	106	76	132				
Benzene	19.03	5.0	20.00	0	95.2	90	123				
Chlorobenzene	19.88	5.0	20.00	0	99.4	76	118				
Toluene	19.12	5.0	20.00	0	95.6	91	124				
Trichloroethene	19.86	5.0	20.00	0	99.3	87	125				
Surr: 1,2-Dichloroethane-d4	50.73		50.00		101	70	126				
Surr: 4-Bromofluorobenzene	54.85		50.00		110	63	134				
Surr: Dibromofluoromethane	51.77		50.00		104	73	124				
Surr: Toluene-d8	54.96		50.00		110	84	123				

Sample ID: **Q051806MB1MS** SampType: **MS** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **63524**
Client ID: **ZZZZZZ** Batch ID: **Q06VW089** TestNo: **EPA 8260B** Analysis Date: **5/18/2006** SeqNo: **939733**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	22.03	5.0	20.00	0	110	76	132				
Benzene	19.72	5.0	20.00	0	98.6	90	123				
Chlorobenzene	21.27	5.0	20.00	0	106	76	118				
Toluene	20.55	5.0	20.00	0	103	91	124				
Trichloroethene	20.93	5.0	20.00	0	105	87	125				
Surr: 1,2-Dichloroethane-d4	50.02		50.00		100	70	126				
Surr: 4-Bromofluorobenzene	52.84		50.00		106	63	134				
Surr: Dibromofluoromethane	50.10		50.00		100	73	124				
Surr: Toluene-d8	54.05		50.00		108	84	123				

Sample ID: **Q051806MB1MSD** SampType: **MSD** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **63524**
Client ID: **ZZZZZZ** Batch ID: **Q06VW089** TestNo: **EPA 8260B** Analysis Date: **5/18/2006** SeqNo: **939734**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	22.22	5.0	20.00	0	111	76	132	22.03	0.859	30	
Benzene	20.79	5.0	20.00	0	104	90	123	19.72	5.28	30	
Chlorobenzene	21.11	5.0	20.00	0	106	76	118	21.27	0.755	30	

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike/Surrogate outside of limits due to matrix interferenc
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **Q051806MB1MSD** SampType: **MSD** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **63524**
Client ID: **ZZZZZZ** Batch ID: **Q06VW089** TestNo: **EPA 8260B** Analysis Date: **5/18/2006** SeqNo: **939734**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	20.65	5.0	20.00	0	103	91	124	20.55	0.485	30	
Trichloroethene	22.18	5.0	20.00	0	111	87	125	20.93	5.80	30	
Surr: 1,2-Dichloroethane-d4	51.13		50.00		102	70	126		0	30	
Surr: 4-Bromofluorobenzene	52.83		50.00		106	63	134		0	30	
Surr: Dibromofluoromethane	50.72		50.00		101	73	124		0	30	
Surr: Toluene-d8	55.66		50.00		111	84	123		0	30	

Sample ID: **Q051806MB1** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **63524**
Client ID: **PBW** Batch ID: **Q06VW089** TestNo: **EPA 8260B** Analysis Date: **5/18/2006** SeqNo: **939735**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	5.0									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **Q051806MB1** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **63524**
Client ID: **PBW** Batch ID: **Q06VW089** TestNo: **EPA 8260B** Analysis Date: **5/18/2006** SeqNo: **939735**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Work Order: 084475
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **Q051806MB1** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **63524**
Client ID: **PBW** Batch ID: **Q06VW089** TestNo: **EPA 8260B** Analysis Date: **5/18/2006** SeqNo: **939735**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	49.53		50.00		99.1	70	126				
Surr: 4-Bromofluorobenzene	53.51		50.00		107	63	134				
Surr: Dibromofluoromethane	51.33		50.00		103	73	124				
Surr: Toluene-d8	55.02		50.00		110	84	123				

Sample ID: **084475-006ADUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **63524**
Client ID: **NM03-B9-GW** Batch ID: **Q06VW089** TestNo: **EPA 8260B** Analysis Date: **5/18/2006** SeqNo: **939740**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0						0	0	30	
1,1,1-Trichloroethane	ND	5.0						0	0	30	
1,1,2,2-Tetrachloroethane	ND	5.0						0	0	30	
1,1,2-Trichloroethane	ND	5.0						0	0	30	
1,1-Dichloroethane	ND	5.0						0	0	30	
1,1-Dichloroethene	ND	5.0						0	0	30	
1,1-Dichloropropene	ND	5.0						0	0	30	
1,2,3-Trichlorobenzene	ND	5.0						0	0	30	
1,2,3-Trichloropropane	ND	5.0						0	0	30	
1,2,4-Trichlorobenzene	ND	5.0						0	0	30	
1,2,4-Trimethylbenzene	ND	5.0						0	0	30	
1,2-Dibromo-3-chloropropane	ND	5.0						0	0	30	
1,2-Dibromoethane	ND	5.0						0	0	30	
1,2-Dichlorobenzene	ND	5.0						0	0	30	
1,2-Dichloroethane	ND	5.0						0	0	30	
1,2-Dichloropropane	ND	5.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **084475-006ADUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **63524**
Client ID: **NM03-B9-GW** Batch ID: **Q06VW089** TestNo: **EPA 8260B** Analysis Date: **5/18/2006** SeqNo: **939740**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trimethylbenzene	ND	5.0						0	0	30	
1,3-Dichlorobenzene	ND	5.0						0	0	30	
1,3-Dichloropropane	ND	5.0						0	0	30	
1,4-Dichlorobenzene	ND	5.0						0	0	30	
2,2-Dichloropropane	ND	5.0						0	0	30	
2-Butanone	ND	50						0	0	30	
2-Chloroethyl vinyl ether	ND	5.0						0	0	30	
2-Chlorotoluene	ND	5.0						0	0	30	
2-Hexanone	ND	50						0	0	30	
4-Chlorotoluene	ND	5.0						0	0	30	
4-Isopropyltoluene	ND	5.0						0	0	30	
4-Methyl-2-pentanone	ND	50						0	0	30	
Acetone	ND	50						0	0	30	
Acrolein	ND	50						0	0	30	
Acrylonitrile	ND	50						0	0	30	
Benzene	ND	5.0						0	0	30	
Bromobenzene	ND	5.0						0	0	30	
Bromochloromethane	ND	5.0						0	0	30	
Bromodichloromethane	ND	5.0						0	0	30	
Bromoform	ND	5.0						0	0	30	
Bromomethane	ND	5.0						0	0	30	
Carbon disulfide	ND	5.0						0	0	30	
Carbon tetrachloride	ND	5.0						0	0	30	
Chlorobenzene	ND	5.0						0	0	30	
Chloroethane	ND	5.0						0	0	30	
Chloroform	ND	5.0						0	0	30	
Chloromethane	ND	5.0						0	0	30	
cis-1,2-Dichloroethene	ND	5.0						0	0	30	
cis-1,3-Dichloropropene	ND	5.0						0	0	30	
Cyclohexanone	ND	50						0	0	30	
Di-isopropyl ether	ND	5.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **084475-006ADUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **63524**
Client ID: **NM03-B9-GW** Batch ID: **Q06VW089** TestNo: **EPA 8260B** Analysis Date: **5/18/2006** SeqNo: **939740**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	ND	5.0						0	0	30	
Dibromomethane	ND	5.0						0	0	30	
Dichlorodifluoromethane	ND	5.0						0	0	30	
Ethyl Acetate	ND	50						0	0	30	
Ethyl Ether	ND	50						0	0	30	
Ethyl tert-butyl ether	ND	5.0						0	0	30	
Ethylbenzene	ND	5.0						0	0	30	
Freon-113	ND	5.0						0	0	30	
Hexachlorobutadiene	ND	5.0						0	0	30	
Iodomethane	ND	5.0						0	0	30	
Isopropylbenzene	ND	5.0						0	0	30	
m,p-Xylene	ND	10						0	0	30	
Methylene chloride	ND	5.0						0	0	30	
MTBE	ND	5.0						0	0	30	
n-Butylbenzene	ND	5.0						0	0	30	
n-Propylbenzene	ND	5.0						0	0	30	
Naphthalene	ND	5.0						0	0	30	
o-Xylene	ND	5.0						0	0	30	
sec-Butylbenzene	ND	5.0						0	0	30	
Styrene	ND	5.0						0	0	30	
Tert-amyl methyl ether	ND	5.0						0	0	30	
Tert-Butanol	ND	100						0	0	30	
tert-Butylbenzene	ND	5.0						0	0	30	
Tetrachloroethene	ND	5.0						0	0	30	
Toluene	ND	5.0						0	0	30	
trans-1,2-Dichloroethene	ND	5.0						0	0	30	
trans-1,3-Dichloropropene	ND	5.0						0	0	30	
Trichloroethene	ND	5.0						0	0	30	
Trichlorofluoromethane	ND	5.0						0	0	30	
Vinyl acetate	ND	50						0	0	30	
Vinyl chloride	ND	5.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **084475-006ADUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **63524**
Client ID: **NM03-B9-GW** Batch ID: **Q06VW089** TestNo: **EPA 8260B** Analysis Date: **5/18/2006** SeqNo: **939740**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Xylenes, Total	ND	15						0	0	30	
Surr: 1,2-Dichloroethane-d4	50.38		50.00		101	70	126		0	30	
Surr: 4-Bromofluorobenzene	52.71		50.00		105	63	134		0	30	
Surr: Dibromofluoromethane	51.70		50.00		103	73	124		0	30	
Surr: Toluene-d8	55.42		50.00		111	84	123		0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **LCS-28119** SampType: **LCS** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **5/19/2006** RunNo: **63528**
Client ID: **LCSS** Batch ID: **28119** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **5/19/2006** SeqNo: **939999**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2517.33	330	3330	0	75.6	58	117				
1,4-Dichlorobenzene	2312.67	330	3330	0	69.4	56	100				
2,4-Dinitrotoluene	3225.67	330	3330	0	96.9	71	135				
2-Chlorophenol	2366.33	330	3330	0	71.1	66	107				
4-Chloro-3-methylphenol	2909.00	660	3330	0	87.4	74	128				
4-Nitrophenol	2948.00	1600	3330	0	88.5	54	133				
Acenaphthene	2833.00	330	3330	0	85.1	73	118				
N-Nitrosodi-n-propylamine	2767.67	330	3330	0	83.1	67	113				
Pentachlorophenol	2963.33	1600	3330	0	89.0	78	127				
Phenol	2520.33	330	3330	0	75.7	67	110				
Pyrene	2861.67	330	3330	0	85.9	74	127				
Surr: 1,2-Dichlorobenzene-d4	2409.00		3330		72.3	46	105				
Surr: 2,4,6-Tribromophenol	2998.00		3330		90.0	46	146				
Surr: 2-Chlorophenol-d4	2533.00		3330		76.1	48	117				
Surr: 2-Fluorobiphenyl	2626.33		3330		78.9	54	112				
Surr: 2-Fluorophenol	2479.67		3330		74.5	45	119				
Surr: 4-Terphenyl-d14	2928.33		3330		87.9	46	135				
Surr: Nitrobenzene-d5	2646.33		3330		79.5	40	116				
Surr: Phenol-d5	2630.00		3330		79.0	37	127				

Sample ID: **MB-28119** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **5/19/2006** RunNo: **63528**
Client ID: **PBS** Batch ID: **28119** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **5/19/2006** SeqNo: **940000**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	330									
1,2-Dichlorobenzene	ND	330									
1,3-Dichlorobenzene	ND	330									
1,4-Dichlorobenzene	ND	330									
2,4,5-Trichlorophenol	ND	330									
2,4,6-Trichlorophenol	ND	330									
2,4-Dichlorophenol	ND	1600									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
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CLIENT: Ninyo & Moore
Work Order: 084475
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-28119** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **5/19/2006** RunNo: **63528**
Client ID: **PBS** Batch ID: **28119** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **5/19/2006** SeqNo: **940000**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dimethylphenol	ND	330									
2,4-Dinitrophenol	ND	1600									
2,4-Dinitrotoluene	ND	330									
2,6-Dinitrotoluene	ND	330									
2-Chloronaphthalene	ND	330									
2-Chlorophenol	ND	330									
2-Methylnaphthalene	ND	330									
2-Methylphenol	ND	330									
2-Nitroaniline	ND	1600									
2-Nitrophenol	ND	330									
3,3´-Dichlorobenzidine	ND	660									
3-Nitroaniline	ND	1600									
4,6-Dinitro-2-methylphenol	ND	1600									
4-Bromophenyl-phenylether	ND	330									
4-Chloro-3-methylphenol	ND	660									
4-Chloroaniline	ND	660									
4-Chlorophenyl-phenylether	ND	330									
4-Methylphenol	ND	330									
4-Nitroaniline	ND	1600									
4-Nitrophenol	ND	1600									
Acenaphthene	ND	330									
Acenaphthylene	ND	330									
Anthracene	ND	330									
Benzidine (M)	ND	1600									
Benzo(a)anthracene	ND	330									
Benzo(a)pyrene	ND	330									
Benzo(b)fluoranthene	ND	330									
Benzo(g,h,i)perylene	ND	330									
Benzo(k)fluoranthene	ND	330									
Benzoic acid	ND	1600									
Benzyl alcohol	ND	660									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 084475
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-28119** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **5/19/2006** RunNo: **63528**
Client ID: **PBS** Batch ID: **28119** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **5/19/2006** SeqNo: **940000**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bis(2-chloroethoxy)methane	ND	330									
Bis(2-chloroethyl)ether	ND	330									
Bis(2-chloroisopropyl)ether	ND	330									
Bis(2-ethylhexyl)phthalate	ND	330									
Butylbenzylphthalate	ND	330									
Chrysene	ND	330									
Di-n-butylphthalate	ND	330									
Di-n-octylphthalate	ND	330									
Dibenz(a,h)anthracene	ND	330									
Dibenzofuran	ND	330									
Diethylphthalate	ND	330									
Dimethylphthalate	ND	330									
Fluoranthene	ND	330									
Fluorene	ND	330									
Hexachlorobenzene	ND	330									
Hexachlorobutadiene	ND	660									
Hexachlorocyclopentadiene	ND	660									
Hexachloroethane	ND	330									
Indeno(1,2,3-cd)pyrene	ND	330									
Isophorone	ND	330									
N-Nitrosodi-n-propylamine	ND	330									
N-Nitrosodiphenylamine	ND	330									
Naphthalene	ND	330									
Nitrobenzene	ND	330									
Pentachlorophenol	ND	1600									
Phenanthrene	ND	330									
Phenol	ND	330									
Pyrene	ND	330									
Surr: 1,2-Dichlorobenzene-d4	2249.67		3330		67.6	46	105				
Surr: 2,4,6-Tribromophenol	2801.00		3330		84.1	46	146				
Surr: 2-Chlorophenol-d4	2272.33		3330		68.2	48	117				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-28119** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **5/19/2006** RunNo: **63528**
Client ID: **PBS** Batch ID: **28119** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **5/19/2006** SeqNo: **940000**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorobiphenyl	2334.33		3330		70.1	54	112				
Surr: 2-Fluorophenol	2231.33		3330		67.0	45	119				
Surr: 4-Terphenyl-d14	3161.33		3330		94.9	46	135				
Surr: Nitrobenzene-d5	2421.67		3330		72.7	40	116				
Surr: Phenol-d5	2345.33		3330		70.4	37	127				

Sample ID: **084475-003AMS** SampType: **MS** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **5/19/2006** RunNo: **63528**
Client ID: **NM03-B9-5.0** Batch ID: **28119** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **5/19/2006** SeqNo: **940001**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2313.67	330	3330	0	69.5	45	126				
1,4-Dichlorobenzene	2017.33	330	3330	0	60.6	41	110				
2,4-Dinitrotoluene	3124.00	330	3330	0	93.8	57	139				
2-Chlorophenol	2113.33	330	3330	0	63.5	52	117				
4-Chloro-3-methylphenol	2798.33	660	3330	0	84.0	63	135				
4-Nitrophenol	2880.67	1600	3330	0	86.5	48	137				
Acenaphthene	2678.33	330	3330	0	80.4	59	129				
N-Nitrosodi-n-propylamine	2481.00	330	3330	0	74.5	41	135				
Pentachlorophenol	2958.33	1600	3330	0	88.8	55	146				
Phenol	2285.33	330	3330	0	68.6	51	122				
Pyrene	2967.00	330	3330	0	89.1	58	138				
Surr: 1,2-Dichlorobenzene-d4	2082.67		3330		62.5	46	105				
Surr: 2,4,6-Tribromophenol	2942.67		3330		88.4	46	146				
Surr: 2-Chlorophenol-d4	2191.67		3330		65.8	48	117				
Surr: 2-Fluorobiphenyl	2418.67		3330		72.6	54	112				
Surr: 2-Fluorophenol	2158.67		3330		64.8	45	119				
Surr: 4-Terphenyl-d14	2574.67		3330		77.3	46	135				
Surr: Nitrobenzene-d5	2372.33		3330		71.2	40	116				
Surr: Phenol-d5	2310.00		3330		69.4	37	127				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **084475-003AMSD** SampType: **MSD** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **5/19/2006** RunNo: **63528**
Client ID: **NM03-B9-5.0** Batch ID: **28119** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **5/19/2006** SeqNo: **940002**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2574.67	330	3330	0	77.3	45	126	2314	10.7	30	
1,4-Dichlorobenzene	2208.67	330	3330	0	66.3	41	110	2017	9.06	30	
2,4-Dinitrotoluene	3400.67	330	3330	0	102	57	139	3124	8.48	30	
2-Chlorophenol	2243.67	330	3330	0	67.4	52	117	2113	5.98	30	
4-Chloro-3-methylphenol	3043.33	660	3330	0	91.4	63	135	2798	8.39	30	
4-Nitrophenol	3032.00	1600	3330	0	91.1	48	137	2881	5.12	30	
Acenaphthene	2911.00	330	3330	0	87.4	59	129	2678	8.33	30	
N-Nitrosodi-n-propylamine	2641.00	330	3330	0	79.3	41	135	2481	6.25	30	
Pentachlorophenol	3264.00	1600	3330	0	98.0	55	146	2958	9.82	30	
Phenol	2373.00	330	3330	0	71.3	51	122	2285	3.76	30	
Pyrene	3225.00	330	3330	0	96.8	58	138	2967	8.33	30	
Surr: 1,2-Dichlorobenzene-d4	2239.67		3330		67.3	46	105		0	30	
Surr: 2,4,6-Tribromophenol	3071.00		3330		92.2	46	146		0	30	
Surr: 2-Chlorophenol-d4	2312.33		3330		69.4	48	117		0	30	
Surr: 2-Fluorobiphenyl	2596.33		3330		78.0	54	112		0	30	
Surr: 2-Fluorophenol	2269.00		3330		68.1	45	119		0	30	
Surr: 4-Terphenyl-d14	2914.00		3330		87.5	46	135		0	30	
Surr: Nitrobenzene-d5	2554.67		3330		76.7	40	116		0	30	
Surr: Phenol-d5	2364.67		3330		71.0	37	127		0	30	

Sample ID: **084475-004ADUP** SampType: **DUP** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **5/19/2006** RunNo: **63528**
Client ID: **NM03-B9-10.0** Batch ID: **28119** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **5/19/2006** SeqNo: **940008**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	330						0	0	30	
1,2-Dichlorobenzene	ND	330						0	0	30	
1,2-Diphenylhydrazine	ND	330						0	0	30	
1,3-Dichlorobenzene	ND	330						0	0	30	
1,4-Dichlorobenzene	ND	330						0	0	30	
1,4-Dioxane	ND	330						0	0	0	
2,4,5-Trichlorophenol	ND	330						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
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CLIENT: Ninyo & Moore
Work Order: 084475
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **084475-004ADUP** SampType: **DUP** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **5/19/2006** RunNo: **63528**
Client ID: **NM03-B9-10.0** Batch ID: **28119** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **5/19/2006** SeqNo: **940008**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,6-Trichlorophenol	ND	330						0	0	30	
2,4-Dichlorophenol	ND	1600						0	0	30	
2,4-Dimethylphenol	ND	330						0	0	30	
2,4-Dinitrophenol	ND	1600						0	0	30	
2,4-Dinitrotoluene	ND	330						0	0	30	
2,6-Dinitrotoluene	ND	330						0	0	30	
2-Chloronaphthalene	ND	330						0	0	30	
2-Chlorophenol	ND	330						0	0	30	
2-Methylnaphthalene	ND	330						0	0	30	
2-Methylphenol	ND	330						0	0	30	
2-Nitroaniline	ND	1600						0	0	30	
2-Nitrophenol	ND	330						0	0	30	
3,3´-Dichlorobenzidine	ND	660						0	0	30	
3-Nitroaniline	ND	1600						0	0	30	
4,6-Dinitro-2-methylphenol	ND	1600						0	0	30	
4-Bromophenyl-phenylether	ND	330						0	0	30	
4-Chloro-3-methylphenol	ND	660						0	0	30	
4-Chloroaniline	ND	660						0	0	30	
4-Chlorophenyl-phenylether	ND	330						0	0	30	
3/4-Methylphenol	ND	330						0	0	0	
4-Methylphenol	ND	330						0	0	30	
4-Nitroaniline	ND	1600						0	0	30	
4-Nitrophenol	ND	1600						0	0	30	
Acenaphthene	ND	330						0	0	30	
Acenaphthylene	ND	330						0	0	30	
Aniline	ND	330						0	0	30	
Anthracene	ND	330						0	0	30	
Benzidine (M)	ND	1600						0	0	30	
Benzo(a)anthracene	ND	330						0	0	30	
Benzo(a)pyrene	ND	330						0	0	30	
Benzo(b)fluoranthene	ND	330						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
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CLIENT: Ninyo & Moore
Work Order: 084475
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **084475-004ADUP** SampType: **DUP** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **5/19/2006** RunNo: **63528**
Client ID: **NM03-B9-10.0** Batch ID: **28119** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **5/19/2006** SeqNo: **940008**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(g,h,i)perylene	ND	330						0	0	30	
Benzo(k)fluoranthene	ND	330						0	0	30	
Benzoic acid	ND	1600						0	0	30	
Benzyl alcohol	ND	660						0	0	30	
Bis(2-chloroethoxy)methane	ND	330						0	0	30	
Bis(2-chloroethyl)ether	ND	330						0	0	30	
Bis(2-chloroisopropyl)ether	ND	330						0	0	30	
Bis(2-ethylhexyl)phthalate	ND	330						0	0	30	
Butylbenzylphthalate	ND	330						0	0	30	
Carbazole	ND	330						0	0	30	
Chrysene	ND	330						0	0	30	
Di-n-butylphthalate	ND	330						0	0	30	
Di-n-octylphthalate	ND	330						0	0	30	
Dibenz(a,h)anthracene	ND	330						0	0	30	
Dibenzofuran	ND	330						0	0	30	
Diethylphthalate	ND	330						0	0	30	
Dimethylphthalate	ND	330						0	0	30	
Fluoranthene	ND	330						0	0	30	
Fluorene	ND	330						0	0	30	
Hexachlorobenzene	ND	330						0	0	30	
Hexachlorobutadiene	ND	660						0	0	30	
Hexachlorocyclopentadiene	ND	660						0	0	30	
Hexachloroethane	ND	330						0	0	30	
Indeno(1,2,3-cd)pyrene	ND	330						0	0	30	
Isophorone	ND	330						0	0	30	
N-Nitrosodi-n-propylamine	ND	330						0	0	30	
N-Nitrosodimethylamine	ND	330						0	0	30	
N-Nitrosodiphenylamine	ND	330						0	0	30	
Naphthalene	ND	330						0	0	30	
Nitrobenzene	ND	330						0	0	30	
Pentachlorophenol	ND	1600						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 084475
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **084475-004ADUP** SampType: **DUP** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **5/19/2006** RunNo: **63528**
Client ID: **NM03-B9-10.0** Batch ID: **28119** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **5/19/2006** SeqNo: **940008**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenanthrene	ND	330						0	0	30	
Phenol	ND	330						0	0	30	
Pyrene	ND	330						0	0	30	
Pyridine	ND	1600						0	0	30	
Surr: 1,2-Dichlorobenzene-d4	2636.67		3330		79.2	46	105		0	0	
Surr: 2,4,6-Tribromophenol	3101.67		3330		93.1	46	146		0	0	
Surr: 2-Chlorophenol-d4	2585.00		3330		77.6	48	117		0	0	
Surr: 2-Fluorobiphenyl	2667.33		3330		80.1	54	112		0	0	
Surr: 2-Fluorophenol	2539.00		3330		76.2	45	119		0	0	
Surr: 4-Terphenyl-d14	2717.67		3330		81.6	46	135		0	0	
Surr: Nitrobenzene-d5	2829.00		3330		85.0	40	116		0	0	
Surr: Phenol-d5	2625.67		3330		78.8	37	127		0	0	

Sample ID: **MB-28119** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **5/19/2006** RunNo: **63568**
Client ID: **PBS** Batch ID: **28119** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **5/22/2006** SeqNo: **940287**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	330									
1,2-Dichlorobenzene	ND	330									
1,3-Dichlorobenzene	ND	330									
1,4-Dichlorobenzene	ND	330									
2,4,5-Trichlorophenol	ND	330									
2,4,6-Trichlorophenol	ND	330									
2,4-Dichlorophenol	ND	1600									
2,4-Dimethylphenol	ND	330									
2,4-Dinitrophenol	ND	1600									
2,4-Dinitrotoluene	ND	330									
2,6-Dinitrotoluene	ND	330									
2-Chloronaphthalene	ND	330									
2-Chlorophenol	ND	330									
2-Methylnaphthalene	ND	330									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 084475
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-28119** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **5/19/2006** RunNo: **63568**
Client ID: **PBS** Batch ID: **28119** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **5/22/2006** SeqNo: **940287**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylphenol	ND	330									
2-Nitroaniline	ND	1600									
2-Nitrophenol	ND	330									
3,3´-Dichlorobenzidine	ND	660									
3-Nitroaniline	ND	1600									
4,6-Dinitro-2-methylphenol	ND	1600									
4-Bromophenyl-phenylether	ND	330									
4-Chloro-3-methylphenol	ND	660									
4-Chloroaniline	ND	660									
4-Chlorophenyl-phenylether	ND	330									
4-Methylphenol	ND	330									
4-Nitroaniline	ND	1600									
4-Nitrophenol	ND	1600									
Acenaphthene	ND	330									
Acenaphthylene	ND	330									
Anthracene	ND	330									
Benzidine (M)	ND	1600									
Benzo(a)anthracene	ND	330									
Benzo(a)pyrene	ND	330									
Benzo(b)fluoranthene	ND	330									
Benzo(g,h,i)perylene	ND	330									
Benzo(k)fluoranthene	ND	330									
Benzoic acid	ND	1600									
Benzyl alcohol	ND	660									
Bis(2-chloroethoxy)methane	ND	330									
Bis(2-chloroethyl)ether	ND	330									
Bis(2-chloroisopropyl)ether	ND	330									
Bis(2-ethylhexyl)phthalate	ND	330									
Butylbenzylphthalate	ND	330									
Chrysene	ND	330									
Di-n-butylphthalate	ND	330									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 084475
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-28119** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **5/19/2006** RunNo: **63568**
Client ID: **PBS** Batch ID: **28119** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **5/22/2006** SeqNo: **940287**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Di-n-octylphthalate	ND	330									
Dibenz(a,h)anthracene	ND	330									
Dibenzofuran	ND	330									
Diethylphthalate	ND	330									
Dimethylphthalate	ND	330									
Fluoranthene	ND	330									
Fluorene	ND	330									
Hexachlorobenzene	ND	330									
Hexachlorobutadiene	ND	660									
Hexachlorocyclopentadiene	ND	660									
Hexachloroethane	ND	330									
Indeno(1,2,3-cd)pyrene	ND	330									
Isophorone	ND	330									
N-Nitrosodi-n-propylamine	ND	330									
N-Nitrosodiphenylamine	ND	330									
Naphthalene	ND	330									
Nitrobenzene	ND	330									
Pentachlorophenol	ND	1600									
Phenanthrene	ND	330									
Phenol	ND	330									
Pyrene	ND	330									
Surr: 1,2-Dichlorobenzene-d4	2256.00		3330		67.7	46	105				
Surr: 2,4,6-Tribromophenol	2859.33		3330		85.9	46	146				
Surr: 2-Chlorophenol-d4	2354.00		3330		70.7	48	117				
Surr: 2-Fluorobiphenyl	2344.67		3330		70.4	54	112				
Surr: 2-Fluorophenol	2356.67		3330		70.8	45	119				
Surr: 4-Terphenyl-d14	3143.67		3330		94.4	46	135				
Surr: Nitrobenzene-d5	2264.00		3330		68.0	40	116				
Surr: Phenol-d5	2270.67		3330		68.2	37	127				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 084475
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **LCS-28119** SampType: **LCS** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **5/19/2006** RunNo: **63568**
Client ID: **LCSS** Batch ID: **28119** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **5/22/2006** SeqNo: **940288**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2509.33	330	3330	0	75.4	58	117				
1,4-Dichlorobenzene	2263.67	330	3330	0	68.0	56	100				
2,4-Dinitrotoluene	2698.67	330	3330	0	81.0	71	135				
2-Chlorophenol	2482.33	330	3330	0	74.5	66	107				
4-Chloro-3-methylphenol	2653.00	660	3330	0	79.7	74	128				
4-Nitrophenol	1903.33	1600	3330	0	57.2	54	133				
Acenaphthene	2636.67	330	3330	0	79.2	73	118				
N-Nitrosodi-n-propylamine	2593.00	330	3330	0	77.9	67	113				
Pentachlorophenol	3068.33	1600	3330	0	92.1	78	127				
Phenol	2610.00	330	3330	0	78.4	67	110				
Pyrene	2649.67	330	3330	0	79.6	74	127				
Surr: 1,2-Dichlorobenzene-d4	2409.33		3330		72.4	46	105				
Surr: 2,4,6-Tribromophenol	3063.33		3330		92.0	46	146				
Surr: 2-Chlorophenol-d4	2720.33		3330		81.7	48	117				
Surr: 2-Fluorobiphenyl	2716.33		3330		81.6	54	112				
Surr: 2-Fluorophenol	2652.33		3330		79.6	45	119				
Surr: 4-Terphenyl-d14	3186.67		3330		95.7	46	135				
Surr: Nitrobenzene-d5	2500.00		3330		75.1	40	116				
Surr: Phenol-d5	2677.33		3330		80.4	37	127				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 084475
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **LCS-28143** SampType: **LCS** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **5/22/2006** RunNo: **63585**
Client ID: **LCSW** Batch ID: **28143** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **5/22/2006** SeqNo: **940507**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	82.55	10	100.0	0	82.6	60	120				
1,4-Dichlorobenzene	75.41	10	100.0	0	75.4	56	103				
2,4-Dinitrotoluene	94.14	10	100.0	0	94.1	71	136				
2-Chlorophenol	71.92	10	100.0	0	71.9	59	107				
4-Chloro-3-methylphenol	85.15	50	100.0	0	85.2	72	126				
4-Nitrophenol	49.53	50	100.0	0	49.5	30	88				
Acenaphthene	89.45	10	100.0	0	89.4	72	119				
N-Nitrosodi-n-propylamine	83.99	10	100.0	0	84.0	65	120				
Pentachlorophenol	88.03	50	100.0	0	88.0	78	122				
Phenol	40.39	10	100.0	0	40.4	35	66				
Pyrene	97.27	10	100.0	0	97.3	73	127				
Surr: 1,2-Dichlorobenzene-d4	70.27		100.0		70.3	41	103				
Surr: 2,4,6-Tribromophenol	89.40		100.0		89.4	55	137				
Surr: 2-Chlorophenol-d4	72.30		100.0		72.3	34	117				
Surr: 2-Fluorobiphenyl	80.27		100.0		80.3	49	114				
Surr: 2-Fluorophenol	53.21		100.0		53.2	24	74				
Surr: 4-Terphenyl-d14	75.47		100.0		75.5	42	138				
Surr: Nitrobenzene-d5	85.40		100.0		85.4	47	115				
Surr: Phenol-d5	39.74		100.0		39.7	16	63				

Sample ID: **MB-28143MS** SampType: **MS** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **5/22/2006** RunNo: **63585**
Client ID: **ZZZZZZ** Batch ID: **28143** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **5/22/2006** SeqNo: **940508**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	80.70	10	100.0	0	80.7	60	120				
1,4-Dichlorobenzene	74.87	10	100.0	0	74.9	56	103				
2,4-Dinitrotoluene	103.21	10	100.0	0	103	71	136				
2-Chlorophenol	72.19	10	100.0	0	72.2	59	107				
4-Chloro-3-methylphenol	88.33	50	100.0	0	88.3	72	126				
4-Nitrophenol	54.63	50	100.0	0	54.6	30	88				
Acenaphthene	88.61	10	100.0	0	88.6	72	119				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
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CLIENT: Ninyo & Moore
Work Order: 084475
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **MB-28143MS** SampType: **MS** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **5/22/2006** RunNo: **63585**
Client ID: **ZZZZZZ** Batch ID: **28143** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **5/22/2006** SeqNo: **940508**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
N-Nitrosodi-n-propylamine	85.32	10	100.0	0	85.3	65	120				
Pentachlorophenol	90.18	50	100.0	0	90.2	78	122				
Phenol	40.52	10	100.0	0	40.5	35	66				
Pyrene	102.52	10	100.0	0	103	73	127				
Surr: 1,2-Dichlorobenzene-d4	68.79		100.0		68.8	41	103				
Surr: 2,4,6-Tribromophenol	95.98		100.0		96.0	55	137				
Surr: 2-Chlorophenol-d4	71.89		100.0		71.9	34	117				
Surr: 2-Fluorobiphenyl	74.10		100.0		74.1	49	114				
Surr: 2-Fluorophenol	51.56		100.0		51.6	24	74				
Surr: 4-Terphenyl-d14	73.00		100.0		73.0	42	138				
Surr: Nitrobenzene-d5	82.59		100.0		82.6	47	115				
Surr: Phenol-d5	39.08		100.0		39.1	16	63				

Sample ID: **MB-28143MSD** SampType: **MSD** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **5/22/2006** RunNo: **63585**
Client ID: **ZZZZZZ** Batch ID: **28143** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **5/22/2006** SeqNo: **940509**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	80.84	10	100.0	0	80.8	60	120	80.70	0.173	30	
1,4-Dichlorobenzene	72.83	10	100.0	0	72.8	56	103	74.87	2.76	30	
2,4-Dinitrotoluene	95.25	10	100.0	0	95.2	71	136	103.2	8.02	30	
2-Chlorophenol	65.69	10	100.0	0	65.7	59	107	72.19	9.43	30	
4-Chloro-3-methylphenol	79.11	50	100.0	0	79.1	72	126	88.33	11.0	30	
4-Nitrophenol	49.64	50	100.0	0	49.6	30	88	54.63	0	30	
Acenaphthene	88.74	10	100.0	0	88.7	72	119	88.61	0.147	30	
N-Nitrosodi-n-propylamine	76.24	10	100.0	0	76.2	65	120	85.32	11.2	30	
Pentachlorophenol	88.76	50	100.0	0	88.8	78	122	90.18	1.59	30	
Phenol	36.53	10	100.0	0	36.5	35	66	40.52	10.4	30	
Pyrene	96.72	10	100.0	0	96.7	73	127	102.5	5.82	30	
Surr: 1,2-Dichlorobenzene-d4	65.51		100.0		65.5	41	103		0	30	
Surr: 2,4,6-Tribromophenol	89.78		100.0		89.8	55	137		0	30	
Surr: 2-Chlorophenol-d4	66.32		100.0		66.3	34	117		0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 084475
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **MB-28143MSD** SampType: **MSD** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **5/22/2006** RunNo: **63585**
Client ID: **ZZZZZZ** Batch ID: **28143** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **5/22/2006** SeqNo: **940509**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorobiphenyl	76.47		100.0		76.5	49	114		0	30	
Surr: 2-Fluorophenol	50.34		100.0		50.3	24	74		0	30	
Surr: 4-Terphenyl-d14	75.16		100.0		75.2	42	138		0	30	
Surr: Nitrobenzene-d5	84.23		100.0		84.2	47	115		0	30	
Surr: Phenol-d5	35.26		100.0		35.3	16	63		0	30	

Sample ID: **MB-28143** SampType: **MBLK** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **5/22/2006** RunNo: **63585**
Client ID: **PBW** Batch ID: **28143** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **5/22/2006** SeqNo: **940510**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	10									
1,2-Dichlorobenzene	ND	10									
1,3-Dichlorobenzene	ND	10									
1,4-Dichlorobenzene	ND	10									
2,4,5-Trichlorophenol	ND	10									
2,4,6-Trichlorophenol	ND	10									
2,4-Dichlorophenol	ND	10									
2,4-Dimethylphenol	ND	10									
2,4-Dinitrophenol	ND	50									
2,4-Dinitrotoluene	ND	10									
2,6-Dinitrotoluene	ND	10									
2-Chloronaphthalene	ND	10									
2-Chlorophenol	ND	10									
2-Methylnaphthalene	ND	10									
2-Methylphenol	ND	10									
2-Nitroaniline	ND	50									
2-Nitrophenol	ND	10									
3,3´-Dichlorobenzidine	ND	20									
3-Nitroaniline	ND	50									
4,6-Dinitro-2-methylphenol	ND	50									
4-Bromophenyl-phenylether	ND	10									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 084475
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **MB-28143** SampType: **MBLK** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **5/22/2006** RunNo: **63585**
Client ID: **PBW** Batch ID: **28143** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **5/22/2006** SeqNo: **940510**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chloro-3-methylphenol	ND	50									
4-Chloroaniline	ND	20									
4-Chlorophenyl-phenylether	ND	10									
4-Methylphenol	ND	10									
4-Nitroaniline	ND	20									
4-Nitrophenol	ND	50									
Acenaphthene	ND	10									
Acenaphthylene	ND	10									
Anthracene	ND	10									
Benzidine (M)	ND	50									
Benzo(a)anthracene	ND	10									
Benzo(a)pyrene	ND	10									
Benzo(b)fluoranthene	ND	10									
Benzo(g,h,i)perylene	ND	10									
Benzo(k)fluoranthene	ND	10									
Benzoic acid	ND	50									
Benzyl alcohol	ND	20									
Bis(2-chloroethoxy)methane	ND	10									
Bis(2-chloroethyl)ether	ND	10									
Bis(2-chloroisopropyl)ether	ND	10									
Bis(2-ethylhexyl)phthalate	ND	10									
Butylbenzylphthalate	ND	10									
Chrysene	ND	10									
Di-n-butylphthalate	ND	10									
Di-n-octylphthalate	ND	10									
Dibenz(a,h)anthracene	ND	10									
Dibenzofuran	ND	10									
Diethylphthalate	ND	10									
Dimethylphthalate	ND	10									
Fluoranthene	ND	10									
Fluorene	ND	10									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
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S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 084475
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **MB-28143** SampType: **MBLK** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **5/22/2006** RunNo: **63585**
Client ID: **PBW** Batch ID: **28143** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **5/22/2006** SeqNo: **940510**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobenzene	ND	10									
Hexachlorobutadiene	ND	20									
Hexachlorocyclopentadiene	ND	10									
Hexachloroethane	ND	10									
Indeno(1,2,3-cd)pyrene	ND	10									
Isophorone	ND	10									
N-Nitrosodi-n-propylamine	ND	10									
N-Nitrosodiphenylamine	ND	10									
Naphthalene	ND	10									
Nitrobenzene	ND	10									
Pentachlorophenol	ND	50									
Phenanthrene	ND	10									
Phenol	ND	10									
Pyrene	ND	10									
Surr: 1,2-Dichlorobenzene-d4	73.70		100.0		73.7	41	103				
Surr: 2,4,6-Tribromophenol	80.30		100.0		80.3	55	137				
Surr: 2-Chlorophenol-d4	67.97		100.0		68.0	34	117				
Surr: 2-Fluorobiphenyl	81.58		100.0		81.6	49	114				
Surr: 2-Fluorophenol	49.98		100.0		50.0	24	74				
Surr: 4-Terphenyl-d14	91.90		100.0		91.9	42	138				
Surr: Nitrobenzene-d5	84.39		100.0		84.4	47	115				
Surr: Phenol-d5	35.17		100.0		35.2	16	63				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CHAIN OF CU ODY RECORD

Pg ___ of ___

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: ___
Logged By: [illegible] Date: 5/17/06

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other: ___

Sample Condition Upon Receipt:
1. CHILLED Y☑ N☐ 4. SEALED Y☐ N☑
2. HEADSPACE (VOA) Y☐ N☑ 5. # OF SPLS MATCH COC Y☑ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☑ N☐

Client: Ninyo & Moore
Attn: Scott Snyder
Address: 5710 Ruffin Rd
City: SAN Diego State: CA Zip Code: 92123
TEL: (858) 576-1000
FAX: (858) 576-9600

Project Name: I-5 expansion
Project #: 105812001
Sampler: (Printed Name) Matt Fuller (Signature) [signature]

Relinquished by: (Signature and Printed Name) Matt Fuller [signature] Date: 5-11-06 Time: ___ Received by: (Signature and Printed Name) ERIC POSTEIN [signature] Date: 5/17/06 Time: 1:15pm
Relinquished by: (Signature and Printed Name) ERIC POSTEIN [signature] Date: 5-17-06 Time: ___ Received by: (Signature and Printed Name) [signature] Date: 5/17/06 Time: 3:42
Relinquished by: (Signature and Printed Name) ___ Date: ___ Time: ___ Received by: (Signature and Printed Name) ___ Date: ___ Time: ___

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Matt Fuller 5-11-06
Print Name Date
Signature: [signature]

Send Report To:
Attn: Scott Snyder
Co: Ninyo & Moore
Address: 5710 Ruffin
City: SD State: CA Zip: 92123

Bill To:
Attn: Same as
Co: ←
Address: previous
City ___ State ___ Zip ___

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (SVOCs)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	Total Leg 8015 TPH (G+D)	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	086475-01	NM03-B9-1.0	5-11-06	0900									X		X				E	1	J G	C	
	-02	NM03-B9-TRIP		0910		X										X				2	V G	H	
	-03	NM03-B9-5.0		0920		X	X							X	X					1	T M	C	
	-04	NM03-B9-10.0		0931		X	X							X	X					1	T M	C	
	-05	NM03-B9-15.0		0947		X	X							X	X					1	T M	C	
	-06	NM03-B9-GW	5-16-06	1400		X	X							X			X			8	V/L G	H/C	
	-07	NM03-B9-Equip		1430		X	X							X		X				8	↓ ↓	↓	
	-08	NM03-B9-TRIP2		1300		X										X			E	2	V G	H	

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ___ OTHER ___

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

May 15, 2006

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 084278

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

RE: I-5 Expansion, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on May 08, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: *15-May-06*

CLIENT: Ninyo & Moore
Project: I-5 Expansion, 105812001
Lab Order: 084278
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
084278-001A	NM03-B8-1.0	Soil	5/4/2006	5/8/2006	5/15/2006
084278-002A	NM03-B8-TRIP	Water	5/4/2006	5/8/2006	5/15/2006
084278-003A	NM03-B8-5.5	Soil	5/4/2006	5/8/2006	5/15/2006
084278-004A	NM03-B8-10.5	Soil	5/4/2006	5/8/2006	5/15/2006
084278-005A	NM03-B8-12	Soil	5/4/2006	5/8/2006	5/15/2006
084278-009A	NM03-B8-GW	Ground Water	5/4/2006	5/8/2006	5/15/2006
084278-009B	NM03-B8-GW	Ground Water	5/4/2006	5/8/2006	5/15/2006
084278-009C	NM03-B8-GW	Ground Water	5/4/2006	5/8/2006	5/15/2006
084278-009D	NM03-B8-GW	Ground Water	5/4/2006	5/8/2006	5/15/2006
084278-009E	NM03-B8-GW	Ground Water	5/4/2006	5/8/2006	5/15/2006
084278-009F	NM03-B8-GW	Ground Water	5/4/2006	5/8/2006	5/15/2006
084278-010A	NM03-B8-Equip	Water	5/4/2006	5/8/2006	5/15/2006
084278-010B	NM03-B8-Equip	Water	5/4/2006	5/8/2006	5/15/2006
084278-010C	NM03-B8-Equip	Water	5/4/2006	5/8/2006	5/15/2006
084278-010D	NM03-B8-Equip	Water	5/4/2006	5/8/2006	5/15/2006
084278-010E	NM03-B8-Equip	Water	5/4/2006	5/8/2006	5/15/2006
084278-010F	NM03-B8-Equip	Water	5/4/2006	5/8/2006	5/15/2006

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Analytical Comments for EPA 6010B

RPD for Sample Duplicate (DUP) is outside criteria for sample 084283-001ADUP; however, the Laboratory Control Sample (LCS) validated the analytical batch.

Sample 084283-001AMS and 084283-001AMSD; Matrix Spike (MS) and /or Matrix Spike Duplicate (MSD) are outside recoverycriteria; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

Analytical Comments for EPA 8015B (M)

Samples 084278-004AMS and 084278-004AMSD surrogate were outside criteria; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *15-May-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B8-1.0
Lab Order:	084278	**Collection Date:**	5/4/2006 10:15:00 AM
Project:	I-5 Expansion, 105812001		
Lab ID:	084278-001	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
LEAD BY ICP						
	EPA 3050M			**EPA 6010B**		
RunID: ICP5_060513B	QC Batch: 28001				PrepDate: 5/11/2006	Analyst: **RQ**
Lead	3.2	1.0		mg/Kg	1	5/13/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: *15-May-06*

CLIENT: Ninyo & Moore
Lab Order: 084278
Project: I-5 Expansion, 105812001
Lab ID: 084278-002

Client Sample ID: NM03-B8-TRIP
Collection Date: 5/4/2006 10:20:00 AM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060509A	QC Batch: Q06VW085			PrepDate:		Analyst: **HH**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	5/9/2006
1,1,1-Trichloroethane	ND	5.0		µg/L	1	5/9/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	5/9/2006
1,1,2-Trichloroethane	ND	5.0		µg/L	1	5/9/2006
1,1-Dichloroethane	ND	5.0		µg/L	1	5/9/2006
1,1-Dichloroethene	ND	5.0		µg/L	1	5/9/2006
1,1-Dichloropropene	ND	5.0		µg/L	1	5/9/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/L	1	5/9/2006
1,2,3-Trichloropropane	ND	5.0		µg/L	1	5/9/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	5/9/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/L	1	5/9/2006
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	5/9/2006
1,2-Dibromoethane	ND	5.0		µg/L	1	5/9/2006
1,2-Dichlorobenzene	ND	5.0		µg/L	1	5/9/2006
1,2-Dichloroethane	ND	5.0		µg/L	1	5/9/2006
1,2-Dichloropropane	ND	5.0		µg/L	1	5/9/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	5/9/2006
1,3-Dichlorobenzene	ND	5.0		µg/L	1	5/9/2006
1,3-Dichloropropane	ND	5.0		µg/L	1	5/9/2006
1,4-Dichlorobenzene	ND	5.0		µg/L	1	5/9/2006
2,2-Dichloropropane	ND	5.0		µg/L	1	5/9/2006
2-Chlorotoluene	ND	5.0		µg/L	1	5/9/2006
4-Chlorotoluene	ND	5.0		µg/L	1	5/9/2006
4-Isopropyltoluene	ND	5.0		µg/L	1	5/9/2006
Benzene	ND	5.0		µg/L	1	5/9/2006
Bromobenzene	ND	5.0		µg/L	1	5/9/2006
Bromodichloromethane	ND	5.0		µg/L	1	5/9/2006
Bromoform	ND	5.0		µg/L	1	5/9/2006
Bromomethane	ND	5.0		µg/L	1	5/9/2006
Carbon tetrachloride	ND	5.0		µg/L	1	5/9/2006
Chlorobenzene	ND	5.0		µg/L	1	5/9/2006
Chloroethane	ND	5.0		µg/L	1	5/9/2006
Chloroform	ND	5.0		µg/L	1	5/9/2006
Chloromethane	ND	5.0		µg/L	1	5/9/2006
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	5/9/2006
Dibromochloromethane	ND	5.0		µg/L	1	5/9/2006
Dibromomethane	ND	5.0		µg/L	1	5/9/2006
Dichlorodifluoromethane	ND	5.0		µg/L	1	5/9/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *15-May-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B8-TRIP
Lab Order:	084278	**Collection Date:**	5/4/2006 10:20:00 AM
Project:	I-5 Expansion, 105812001		
Lab ID:	084278-002	**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060509A	QC Batch:	Q06VW085			PrepDate:	Analyst: **HH**
Ethylbenzene	ND	5.0		µg/L	1	5/9/2006
Hexachlorobutadiene	ND	5.0		µg/L	1	5/9/2006
Isopropylbenzene	ND	5.0		µg/L	1	5/9/2006
m,p-Xylene	ND	10		µg/L	1	5/9/2006
Methylene chloride	ND	5.0		µg/L	1	5/9/2006
n-Butylbenzene	ND	5.0		µg/L	1	5/9/2006
n-Propylbenzene	ND	5.0		µg/L	1	5/9/2006
Naphthalene	ND	5.0		µg/L	1	5/9/2006
o-Xylene	ND	5.0		µg/L	1	5/9/2006
sec-Butylbenzene	ND	5.0		µg/L	1	5/9/2006
Styrene	ND	5.0		µg/L	1	5/9/2006
tert-Butylbenzene	ND	5.0		µg/L	1	5/9/2006
Tetrachloroethene	ND	5.0		µg/L	1	5/9/2006
Toluene	ND	5.0		µg/L	1	5/9/2006
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	5/9/2006
Trichloroethene	ND	5.0		µg/L	1	5/9/2006
Trichlorofluoromethane	ND	5.0		µg/L	1	5/9/2006
Vinyl chloride	ND	5.0		µg/L	1	5/9/2006
Surr: 1,2-Dichloroethane-d4	89.3	70-126		%REC	1	5/9/2006
Surr: 4-Bromofluorobenzene	113	63-134		%REC	1	5/9/2006
Surr: Dibromofluoromethane	98.6	73-124		%REC	1	5/9/2006
Surr: Toluene-d8	108	84-123		%REC	1	5/9/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *15-May-06*

CLIENT: Ninyo & Moore
Lab Order: 084278
Project: I-5 Expansion, 105812001
Lab ID: 084278-003

Client Sample ID: NM03-B8-5.5
Collection Date: 5/4/2006 10:50:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP5_060512E	QC Batch: 27991			PrepDate:	5/11/2006	Analyst: **RQ**
Antimony	2.3	2.0		mg/Kg	1	5/12/2006
Arsenic	1.6	1.0		mg/Kg	1	5/12/2006
Barium	21	1.0		mg/Kg	1	5/12/2006
Beryllium	ND	1.0		mg/Kg	1	5/12/2006
Cadmium	ND	1.0		mg/Kg	1	5/12/2006
Chromium	14	1.0		mg/Kg	1	5/12/2006
Cobalt	3.4	1.0		mg/Kg	1	5/12/2006
Copper	2.9	2.0		mg/Kg	1	5/12/2006
Lead	2.0	1.0		mg/Kg	1	5/12/2006
Molybdenum	ND	1.0		mg/Kg	1	5/12/2006
Nickel	4.7	1.0		mg/Kg	1	5/12/2006
Selenium	ND	1.0		mg/Kg	1	5/12/2006
Silver	ND	1.0		mg/Kg	1	5/12/2006
Thallium	ND	1.0		mg/Kg	1	5/12/2006
Vanadium	42	1.0		mg/Kg	1	5/12/2006
Zinc	8.8	1.0		mg/Kg	1	5/12/2006
DIESEL RANGE ORGANICS BY GC/FID						
	LUFT			**EPA 8015B(M)**		
RunID: GC7_BACK_060511A	QC Batch: 27982			PrepDate:	5/11/2006	Analyst: **CBR**
DRO	ND	10		mg/Kg	1	5/11/2006
Surr: p-Terphenyl	80.4	56-131		%REC	1	5/11/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_060509A	QC Batch: E06VS099			PrepDate:		Analyst: **TT**
GRO	ND	1.0		mg/Kg	1	5/9/2006
Surr: Bromofluorobenzene (FID)	93.7	42-138		%REC	1	5/9/2006
PCBS BY GC/ECD						
	EPA 3550B			**EPA 8082**		
RunID: GC4_060509A	QC Batch: 27937			PrepDate:	5/9/2006	Analyst: **CPC**
Aroclor 1016	ND	16		µg/Kg	1	5/10/2006
Aroclor 1221	ND	33		µg/Kg	1	5/10/2006
Aroclor 1232	ND	16		µg/Kg	1	5/10/2006
Aroclor 1242	ND	16		µg/Kg	1	5/10/2006
Aroclor 1248	ND	16		µg/Kg	1	5/10/2006
Aroclor 1254	ND	16		µg/Kg	1	5/10/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *15-May-06*

CLIENT: Ninyo & Moore
Lab Order: 084278
Project: I-5 Expansion, 105812001
Lab ID: 084278-003

Client Sample ID: NM03-B8-5.5
Collection Date: 5/4/2006 10:50:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD						
EPA 3550B				**EPA 8082**		
RunID: GC4_060509A	QC Batch: 27937			PrepDate:	5/9/2006	Analyst: **CPC**
Aroclor 1260	ND	16		µg/Kg	1	5/10/2006
Aroclor 1262	ND	16		µg/Kg	1	5/10/2006
Aroclor 1268	ND	16		µg/Kg	1	5/10/2006
Surr: Decachlorobiphenyl	83.3	44-132		%REC	1	5/10/2006
Surr: Tetrachloro-m-xylene	93.9	63-130		%REC	1	5/10/2006
MERCURY BY COLD VAPOR TECHNIQUE						
EPA 7471				**EPA 7471A**		
RunID: AA5_060512A	QC Batch: 27993			PrepDate:	5/11/2006	Analyst: **NS**
Mercury	ND	0.10		mg/Kg	1	5/12/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS1_060509A	QC Batch: P06VS085			PrepDate:		Analyst: **TT**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1	5/9/2006
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	5/9/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	5/9/2006
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	5/9/2006
1,1-Dichloroethane	ND	5.0		µg/Kg	1	5/9/2006
1,1-Dichloroethene	ND	5.0		µg/Kg	1	5/9/2006
1,1-Dichloropropene	ND	5.0		µg/Kg	1	5/9/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1	5/9/2006
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1	5/9/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1	5/9/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1	5/9/2006
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1	5/9/2006
1,2-Dibromoethane	ND	5.0		µg/Kg	1	5/9/2006
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1	5/9/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	5/9/2006
1,2-Dichloropropane	ND	5.0		µg/Kg	1	5/9/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1	5/9/2006
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1	5/9/2006
1,3-Dichloropropane	ND	5.0		µg/Kg	1	5/9/2006
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1	5/9/2006
2,2-Dichloropropane	ND	5.0		µg/Kg	1	5/9/2006
2-Chlorotoluene	ND	5.0		µg/Kg	1	5/9/2006
4-Chlorotoluene	ND	5.0		µg/Kg	1	5/9/2006
4-Isopropyltoluene	ND	5.0		µg/Kg	1	5/9/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *15-May-06*

CLIENT: Ninyo & Moore
Lab Order: 084278
Project: I-5 Expansion, 105812001
Lab ID: 084278-003

Client Sample ID: NM03-B8-5.5
Collection Date: 5/4/2006 10:50:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS1_060509A	QC Batch:	P06VS085		PrepDate:		Analyst: **TT**
Benzene	ND	5.0		µg/Kg	1	5/9/2006
Bromobenzene	ND	5.0		µg/Kg	1	5/9/2006
Bromodichloromethane	ND	5.0		µg/Kg	1	5/9/2006
Bromoform	ND	5.0		µg/Kg	1	5/9/2006
Bromomethane	ND	5.0		µg/Kg	1	5/9/2006
Carbon tetrachloride	ND	5.0		µg/Kg	1	5/9/2006
Chlorobenzene	ND	5.0		µg/Kg	1	5/9/2006
Chloroethane	ND	5.0		µg/Kg	1	5/9/2006
Chloroform	ND	5.0		µg/Kg	1	5/9/2006
Chloromethane	ND	5.0		µg/Kg	1	5/9/2006
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	5/9/2006
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	5/9/2006
Dibromochloromethane	ND	5.0		µg/Kg	1	5/9/2006
Dibromomethane	ND	5.0		µg/Kg	1	5/9/2006
Dichlorodifluoromethane	ND	5.0		µg/Kg	1	5/9/2006
Ethylbenzene	ND	5.0		µg/Kg	1	5/9/2006
Hexachlorobutadiene	ND	5.0		µg/Kg	1	5/9/2006
Isopropylbenzene	ND	5.0		µg/Kg	1	5/9/2006
m,p-Xylene	ND	10		µg/Kg	1	5/9/2006
Methylene chloride	ND	5.0		µg/Kg	1	5/9/2006
n-Butylbenzene	ND	5.0		µg/Kg	1	5/9/2006
n-Propylbenzene	ND	5.0		µg/Kg	1	5/9/2006
Naphthalene	ND	5.0		µg/Kg	1	5/9/2006
o-Xylene	ND	5.0		µg/Kg	1	5/9/2006
sec-Butylbenzene	ND	5.0		µg/Kg	1	5/9/2006
Styrene	ND	5.0		µg/Kg	1	5/9/2006
tert-Butylbenzene	ND	5.0		µg/Kg	1	5/9/2006
Tetrachloroethene	ND	5.0		µg/Kg	1	5/9/2006
Toluene	ND	5.0		µg/Kg	1	5/9/2006
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	5/9/2006
Trichloroethene	ND	5.0		µg/Kg	1	5/9/2006
Trichlorofluoromethane	ND	5.0		µg/Kg	1	5/9/2006
Vinyl chloride	ND	5.0		µg/Kg	1	5/9/2006
Surr: 1,2-Dichloroethane-d4	92.3	58-138		%REC	1	5/9/2006
Surr: 4-Bromofluorobenzene	104	74-130		%REC	1	5/9/2006
Surr: Dibromofluoromethane	94.8	58-135		%REC	1	5/9/2006
Surr: Toluene-d8	105	84-130		%REC	1	5/9/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *15-May-06*

CLIENT: Ninyo & Moore
Lab Order: 084278
Project: I-5 Expansion, 105812001
Lab ID: 084278-003

Client Sample ID: NM03-B8-5.5
Collection Date: 5/4/2006 10:50:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS7_060512A	QC Batch: 27983				PrepDate: 5/11/2006	Analyst: **MFR**
1,2,4-Trichlorobenzene	ND	330		µg/Kg	1	5/12/2006
1,2-Dichlorobenzene	ND	330		µg/Kg	1	5/12/2006
1,3-Dichlorobenzene	ND	330		µg/Kg	1	5/12/2006
1,4-Dichlorobenzene	ND	330		µg/Kg	1	5/12/2006
2,4,5-Trichlorophenol	ND	330		µg/Kg	1	5/12/2006
2,4,6-Trichlorophenol	ND	330		µg/Kg	1	5/12/2006
2,4-Dichlorophenol	ND	1600		µg/Kg	1	5/12/2006
2,4-Dimethylphenol	ND	330		µg/Kg	1	5/12/2006
2,4-Dinitrophenol	ND	1600		µg/Kg	1	5/12/2006
2,4-Dinitrotoluene	ND	330		µg/Kg	1	5/12/2006
2,6-Dinitrotoluene	ND	330		µg/Kg	1	5/12/2006
2-Chloronaphthalene	ND	330		µg/Kg	1	5/12/2006
2-Chlorophenol	ND	330		µg/Kg	1	5/12/2006
2-Methylnaphthalene	ND	330		µg/Kg	1	5/12/2006
2-Methylphenol	ND	330		µg/Kg	1	5/12/2006
2-Nitroaniline	ND	1600		µg/Kg	1	5/12/2006
2-Nitrophenol	ND	330		µg/Kg	1	5/12/2006
3,3´-Dichlorobenzidine	ND	660		µg/Kg	1	5/12/2006
3-Nitroaniline	ND	1600		µg/Kg	1	5/12/2006
4,6-Dinitro-2-methylphenol	ND	1600		µg/Kg	1	5/12/2006
4-Bromophenyl-phenylether	ND	330		µg/Kg	1	5/12/2006
4-Chloro-3-methylphenol	ND	660		µg/Kg	1	5/12/2006
4-Chloroaniline	ND	660		µg/Kg	1	5/12/2006
4-Chlorophenyl-phenylether	ND	330		µg/Kg	1	5/12/2006
4-Methylphenol	ND	330		µg/Kg	1	5/12/2006
4-Nitroaniline	ND	1600		µg/Kg	1	5/12/2006
4-Nitrophenol	ND	1600		µg/Kg	1	5/12/2006
Acenaphthene	ND	330		µg/Kg	1	5/12/2006
Acenaphthylene	ND	330		µg/Kg	1	5/12/2006
Anthracene	ND	330		µg/Kg	1	5/12/2006
Benzidine (M)	ND	1600		µg/Kg	1	5/12/2006
Benzo(a)anthracene	ND	330		µg/Kg	1	5/12/2006
Benzo(a)pyrene	ND	330		µg/Kg	1	5/12/2006
Benzo(b)fluoranthene	ND	330		µg/Kg	1	5/12/2006
Benzo(g,h,i)perylene	ND	330		µg/Kg	1	5/12/2006
Benzo(k)fluoranthene	ND	330		µg/Kg	1	5/12/2006
Benzoic acid	ND	1600		µg/Kg	1	5/12/2006
Benzyl alcohol	ND	660		µg/Kg	1	5/12/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
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DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *15-May-06*

CLIENT: Ninyo & Moore
Lab Order: 084278
Project: I-5 Expansion, 105812001
Lab ID: 084278-003

Client Sample ID: NM03-B8-5.5
Collection Date: 5/4/2006 10:50:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS7_060512A	QC Batch: 27983			PrepDate:	5/11/2006	Analyst: **MFR**
Bis(2-chloroethoxy)methane	ND	330		µg/Kg	1	5/12/2006
Bis(2-chloroethyl)ether	ND	330		µg/Kg	1	5/12/2006
Bis(2-chloroisopropyl)ether	ND	330		µg/Kg	1	5/12/2006
Bis(2-ethylhexyl)phthalate	ND	330		µg/Kg	1	5/12/2006
Butylbenzylphthalate	ND	330		µg/Kg	1	5/12/2006
Chrysene	ND	330		µg/Kg	1	5/12/2006
Di-n-butylphthalate	ND	330		µg/Kg	1	5/12/2006
Di-n-octylphthalate	ND	330		µg/Kg	1	5/12/2006
Dibenz(a,h)anthracene	ND	330		µg/Kg	1	5/12/2006
Dibenzofuran	ND	330		µg/Kg	1	5/12/2006
Diethylphthalate	ND	330		µg/Kg	1	5/12/2006
Dimethylphthalate	ND	330		µg/Kg	1	5/12/2006
Fluoranthene	ND	330		µg/Kg	1	5/12/2006
Fluorene	ND	330		µg/Kg	1	5/12/2006
Hexachlorobenzene	ND	330		µg/Kg	1	5/12/2006
Hexachlorobutadiene	ND	660		µg/Kg	1	5/12/2006
Hexachlorocyclopentadiene	ND	660		µg/Kg	1	5/12/2006
Hexachloroethane	ND	330		µg/Kg	1	5/12/2006
Indeno(1,2,3-cd)pyrene	ND	330		µg/Kg	1	5/12/2006
Isophorone	ND	330		µg/Kg	1	5/12/2006
N-Nitrosodi-n-propylamine	ND	330		µg/Kg	1	5/12/2006
N-Nitrosodiphenylamine	ND	330		µg/Kg	1	5/12/2006
Naphthalene	ND	330		µg/Kg	1	5/12/2006
Nitrobenzene	ND	330		µg/Kg	1	5/12/2006
Pentachlorophenol	ND	1600		µg/Kg	1	5/12/2006
Phenanthrene	ND	330		µg/Kg	1	5/12/2006
Phenol	ND	330		µg/Kg	1	5/12/2006
Pyrene	ND	330		µg/Kg	1	5/12/2006
Surr: 1,2-Dichlorobenzene-d4	65.7	46-105		%REC	1	5/12/2006
Surr: 2,4,6-Tribromophenol	88.9	46-146		%REC	1	5/12/2006
Surr: 2-Chlorophenol-d4	70.5	48-117		%REC	1	5/12/2006
Surr: 2-Fluorobiphenyl	69.5	54-112		%REC	1	5/12/2006
Surr: 2-Fluorophenol	69.8	45-119		%REC	1	5/12/2006
Surr: 4-Terphenyl-d14	87.9	46-135		%REC	1	5/12/2006
Surr: Nitrobenzene-d5	70.7	40-116		%REC	1	5/12/2006
Surr: Phenol-d5	74.3	37-127		%REC	1	5/12/2006

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Advanced Technology Laboratories

Date: *15-May-06*

CLIENT: Ninyo & Moore
Lab Order: 084278
Project: I-5 Expansion, 105812001
Lab ID: 084278-004

Client Sample ID: NM03-B8-10.5
Collection Date: 5/4/2006 11:06:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP5_060512E	QC Batch: 27991			PrepDate:	5/11/2006	Analyst: **RQ**
Antimony	2.2	2.0		mg/Kg	1	5/12/2006
Arsenic	1.5	1.0		mg/Kg	1	5/12/2006
Barium	21	1.0		mg/Kg	1	5/12/2006
Beryllium	ND	1.0		mg/Kg	1	5/12/2006
Cadmium	ND	1.0		mg/Kg	1	5/12/2006
Chromium	15	1.0		mg/Kg	1	5/12/2006
Cobalt	2.9	1.0		mg/Kg	1	5/12/2006
Copper	2.5	2.0		mg/Kg	1	5/12/2006
Lead	2.0	1.0		mg/Kg	1	5/12/2006
Molybdenum	ND	1.0		mg/Kg	1	5/12/2006
Nickel	6.0	1.0		mg/Kg	1	5/12/2006
Selenium	ND	1.0		mg/Kg	1	5/12/2006
Silver	ND	1.0		mg/Kg	1	5/12/2006
Thallium	ND	1.0		mg/Kg	1	5/12/2006
Vanadium	21	1.0		mg/Kg	1	5/12/2006
Zinc	14	1.0		mg/Kg	1	5/12/2006
DIESEL RANGE ORGANICS BY GC/FID						
	LUFT			**EPA 8015B(M)**		
RunID: GC7_BACK_060511A	QC Batch: 27982			PrepDate:	5/11/2006	Analyst: **CBR**
DRO	21	10		mg/Kg	1	5/11/2006
Surr: p-Terphenyl	79.6	56-131		%REC	1	5/11/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_060509A	QC Batch: E06VS099			PrepDate:		Analyst: **TT**
GRO	ND	1.0		mg/Kg	1	5/9/2006
Surr: Bromofluorobenzene (FID)	92.1	42-138		%REC	1	5/9/2006
PCBS BY GC/ECD						
	EPA 3550B			**EPA 8082**		
RunID: GC4_060509A	QC Batch: 27937			PrepDate:	5/9/2006	Analyst: **CPC**
Aroclor 1016	ND	16		µg/Kg	1	5/10/2006
Aroclor 1221	ND	33		µg/Kg	1	5/10/2006
Aroclor 1232	ND	16		µg/Kg	1	5/10/2006
Aroclor 1242	ND	16		µg/Kg	1	5/10/2006
Aroclor 1248	ND	16		µg/Kg	1	5/10/2006
Aroclor 1254	ND	16		µg/Kg	1	5/10/2006

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Lab ID: 084278-004

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Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD						
EPA 3550B				**EPA 8082**		
RunID: GC4_060509A	QC Batch: 27937			PrepDate:	5/9/2006	Analyst: **CPC**
Aroclor 1260	ND	16		µg/Kg	1	5/10/2006
Aroclor 1262	ND	16		µg/Kg	1	5/10/2006
Aroclor 1268	ND	16		µg/Kg	1	5/10/2006
Surr: Decachlorobiphenyl	83.2	44-132		%REC	1	5/10/2006
Surr: Tetrachloro-m-xylene	103	63-130		%REC	1	5/10/2006
MERCURY BY COLD VAPOR TECHNIQUE						
EPA 7471				**EPA 7471A**		
RunID: AA5_060512A	QC Batch: 27993			PrepDate:	5/11/2006	Analyst: **NS**
Mercury	ND	0.10		mg/Kg	1	5/12/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS1_060509A	QC Batch: P06VS085			PrepDate:		Analyst: **TT**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1	5/9/2006
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	5/9/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	5/9/2006
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	5/9/2006
1,1-Dichloroethane	ND	5.0		µg/Kg	1	5/9/2006
1,1-Dichloroethene	ND	5.0		µg/Kg	1	5/9/2006
1,1-Dichloropropene	ND	5.0		µg/Kg	1	5/9/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1	5/9/2006
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1	5/9/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1	5/9/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1	5/9/2006
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1	5/9/2006
1,2-Dibromoethane	ND	5.0		µg/Kg	1	5/9/2006
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1	5/9/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	5/9/2006
1,2-Dichloropropane	ND	5.0		µg/Kg	1	5/9/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1	5/9/2006
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1	5/9/2006
1,3-Dichloropropane	ND	5.0		µg/Kg	1	5/9/2006
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1	5/9/2006
2,2-Dichloropropane	ND	5.0		µg/Kg	1	5/9/2006
2-Chlorotoluene	ND	5.0		µg/Kg	1	5/9/2006
4-Chlorotoluene	ND	5.0		µg/Kg	1	5/9/2006
4-Isopropyltoluene	ND	5.0		µg/Kg	1	5/9/2006

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Date: *15-May-06*

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Project: I-5 Expansion, 105812001
Lab ID: 084278-004

Client Sample ID: NM03-B8-10.5
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Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS1_060509A	QC Batch: P06VS085			PrepDate:		Analyst: **TT**
Benzene	ND	5.0		µg/Kg	1	5/9/2006
Bromobenzene	ND	5.0		µg/Kg	1	5/9/2006
Bromodichloromethane	ND	5.0		µg/Kg	1	5/9/2006
Bromoform	ND	5.0		µg/Kg	1	5/9/2006
Bromomethane	ND	5.0		µg/Kg	1	5/9/2006
Carbon tetrachloride	ND	5.0		µg/Kg	1	5/9/2006
Chlorobenzene	ND	5.0		µg/Kg	1	5/9/2006
Chloroethane	ND	5.0		µg/Kg	1	5/9/2006
Chloroform	ND	5.0		µg/Kg	1	5/9/2006
Chloromethane	ND	5.0		µg/Kg	1	5/9/2006
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	5/9/2006
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	5/9/2006
Dibromochloromethane	ND	5.0		µg/Kg	1	5/9/2006
Dibromomethane	ND	5.0		µg/Kg	1	5/9/2006
Dichlorodifluoromethane	ND	5.0		µg/Kg	1	5/9/2006
Ethylbenzene	ND	5.0		µg/Kg	1	5/9/2006
Hexachlorobutadiene	ND	5.0		µg/Kg	1	5/9/2006
Isopropylbenzene	ND	5.0		µg/Kg	1	5/9/2006
m,p-Xylene	ND	10		µg/Kg	1	5/9/2006
Methylene chloride	ND	5.0		µg/Kg	1	5/9/2006
n-Butylbenzene	ND	5.0		µg/Kg	1	5/9/2006
n-Propylbenzene	ND	5.0		µg/Kg	1	5/9/2006
Naphthalene	ND	5.0		µg/Kg	1	5/9/2006
o-Xylene	ND	5.0		µg/Kg	1	5/9/2006
sec-Butylbenzene	ND	5.0		µg/Kg	1	5/9/2006
Styrene	ND	5.0		µg/Kg	1	5/9/2006
tert-Butylbenzene	ND	5.0		µg/Kg	1	5/9/2006
Tetrachloroethene	ND	5.0		µg/Kg	1	5/9/2006
Toluene	ND	5.0		µg/Kg	1	5/9/2006
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	5/9/2006
Trichloroethene	ND	5.0		µg/Kg	1	5/9/2006
Trichlorofluoromethane	ND	5.0		µg/Kg	1	5/9/2006
Vinyl chloride	ND	5.0		µg/Kg	1	5/9/2006
Surr: 1,2-Dichloroethane-d4	89.5	58-138		%REC	1	5/9/2006
Surr: 4-Bromofluorobenzene	102	74-130		%REC	1	5/9/2006
Surr: Dibromofluoromethane	93.0	58-135		%REC	1	5/9/2006
Surr: Toluene-d8	103	84-130		%REC	1	5/9/2006

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RunID: MS7_060512A	QC Batch: 27983				PrepDate: 5/11/2006	Analyst: **MFR**
1,2,4-Trichlorobenzene	ND	330		µg/Kg	1	5/12/2006
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1,4-Dichlorobenzene	ND	330		µg/Kg	1	5/12/2006
2,4,5-Trichlorophenol	ND	330		µg/Kg	1	5/12/2006
2,4,6-Trichlorophenol	ND	330		µg/Kg	1	5/12/2006
2,4-Dichlorophenol	ND	1600		µg/Kg	1	5/12/2006
2,4-Dimethylphenol	ND	330		µg/Kg	1	5/12/2006
2,4-Dinitrophenol	ND	1600		µg/Kg	1	5/12/2006
2,4-Dinitrotoluene	ND	330		µg/Kg	1	5/12/2006
2,6-Dinitrotoluene	ND	330		µg/Kg	1	5/12/2006
2-Chloronaphthalene	ND	330		µg/Kg	1	5/12/2006
2-Chlorophenol	ND	330		µg/Kg	1	5/12/2006
2-Methylnaphthalene	ND	330		µg/Kg	1	5/12/2006
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4-Bromophenyl-phenylether	ND	330		µg/Kg	1	5/12/2006
4-Chloro-3-methylphenol	ND	660		µg/Kg	1	5/12/2006
4-Chloroaniline	ND	660		µg/Kg	1	5/12/2006
4-Chlorophenyl-phenylether	ND	330		µg/Kg	1	5/12/2006
4-Methylphenol	ND	330		µg/Kg	1	5/12/2006
4-Nitroaniline	ND	1600		µg/Kg	1	5/12/2006
4-Nitrophenol	ND	1600		µg/Kg	1	5/12/2006
Acenaphthene	ND	330		µg/Kg	1	5/12/2006
Acenaphthylene	ND	330		µg/Kg	1	5/12/2006
Anthracene	ND	330		µg/Kg	1	5/12/2006
Benzidine (M)	ND	1600		µg/Kg	1	5/12/2006
Benzo(a)anthracene	ND	330		µg/Kg	1	5/12/2006
Benzo(a)pyrene	ND	330		µg/Kg	1	5/12/2006
Benzo(b)fluoranthene	ND	330		µg/Kg	1	5/12/2006
Benzo(g,h,i)perylene	ND	330		µg/Kg	1	5/12/2006
Benzo(k)fluoranthene	ND	330		µg/Kg	1	5/12/2006
Benzoic acid	ND	1600		µg/Kg	1	5/12/2006
Benzyl alcohol	ND	660		µg/Kg	1	5/12/2006

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EPA 3550B				**EPA 8270C**		
RunID: MS7_060512A	QC Batch: 27983			PrepDate:	5/11/2006	Analyst: **MFR**
Bis(2-chloroethoxy)methane	ND	330		µg/Kg	1	5/12/2006
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Bis(2-chloroisopropyl)ether	ND	330		µg/Kg	1	5/12/2006
Bis(2-ethylhexyl)phthalate	ND	330		µg/Kg	1	5/12/2006
Butylbenzylphthalate	ND	330		µg/Kg	1	5/12/2006
Chrysene	ND	330		µg/Kg	1	5/12/2006
Di-n-butylphthalate	ND	330		µg/Kg	1	5/12/2006
Di-n-octylphthalate	ND	330		µg/Kg	1	5/12/2006
Dibenz(a,h)anthracene	ND	330		µg/Kg	1	5/12/2006
Dibenzofuran	ND	330		µg/Kg	1	5/12/2006
Diethylphthalate	ND	330		µg/Kg	1	5/12/2006
Dimethylphthalate	ND	330		µg/Kg	1	5/12/2006
Fluoranthene	ND	330		µg/Kg	1	5/12/2006
Fluorene	ND	330		µg/Kg	1	5/12/2006
Hexachlorobenzene	ND	330		µg/Kg	1	5/12/2006
Hexachlorobutadiene	ND	660		µg/Kg	1	5/12/2006
Hexachlorocyclopentadiene	ND	660		µg/Kg	1	5/12/2006
Hexachloroethane	ND	330		µg/Kg	1	5/12/2006
Indeno(1,2,3-cd)pyrene	ND	330		µg/Kg	1	5/12/2006
Isophorone	ND	330		µg/Kg	1	5/12/2006
N-Nitrosodi-n-propylamine	ND	330		µg/Kg	1	5/12/2006
N-Nitrosodiphenylamine	ND	330		µg/Kg	1	5/12/2006
Naphthalene	ND	330		µg/Kg	1	5/12/2006
Nitrobenzene	ND	330		µg/Kg	1	5/12/2006
Pentachlorophenol	ND	1600		µg/Kg	1	5/12/2006
Phenanthrene	ND	330		µg/Kg	1	5/12/2006
Phenol	ND	330		µg/Kg	1	5/12/2006
Pyrene	ND	330		µg/Kg	1	5/12/2006
Surr: 1,2-Dichlorobenzene-d4	62.9	46-105		%REC	1	5/12/2006
Surr: 2,4,6-Tribromophenol	92.3	46-146		%REC	1	5/12/2006
Surr: 2-Chlorophenol-d4	69.1	48-117		%REC	1	5/12/2006
Surr: 2-Fluorobiphenyl	71.5	54-112		%REC	1	5/12/2006
Surr: 2-Fluorophenol	66.9	45-119		%REC	1	5/12/2006
Surr: 4-Terphenyl-d14	67.4	46-135		%REC	1	5/12/2006
Surr: Nitrobenzene-d5	68.6	40-116		%REC	1	5/12/2006
Surr: Phenol-d5	73.8	37-127		%REC	1	5/12/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *15-May-06*

CLIENT: Ninyo & Moore
Lab Order: 084278
Project: I-5 Expansion, 105812001
Lab ID: 084278-005

Client Sample ID: NM03-B8-12
Collection Date: 5/4/2006 11:33:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP5_060512E	QC Batch: 27991			PrepDate:	5/11/2006	Analyst: **RQ**
Antimony	2.5	2.0		mg/Kg	1	5/12/2006
Arsenic	1.2	1.0		mg/Kg	1	5/12/2006
Barium	23	1.0		mg/Kg	1	5/12/2006
Beryllium	ND	1.0		mg/Kg	1	5/12/2006
Cadmium	ND	1.0		mg/Kg	1	5/12/2006
Chromium	18	1.0		mg/Kg	1	5/12/2006
Cobalt	2.3	1.0		mg/Kg	1	5/12/2006
Copper	2.1	2.0		mg/Kg	1	5/12/2006
Lead	2.1	1.0		mg/Kg	1	5/12/2006
Molybdenum	ND	1.0		mg/Kg	1	5/12/2006
Nickel	6.0	1.0		mg/Kg	1	5/12/2006
Selenium	ND	1.0		mg/Kg	1	5/12/2006
Silver	ND	1.0		mg/Kg	1	5/12/2006
Thallium	ND	1.0		mg/Kg	1	5/12/2006
Vanadium	19	1.0		mg/Kg	1	5/12/2006
Zinc	12	1.0		mg/Kg	1	5/12/2006
DIESEL RANGE ORGANICS BY GC/FID						
	LUFT			**EPA 8015B(M)**		
RunID: GC7_BACK_060511A	QC Batch: 27982			PrepDate:	5/11/2006	Analyst: **CBR**
DRO	ND	10		mg/Kg	1	5/11/2006
Surr: p-Terphenyl	92.4	56-131		%REC	1	5/11/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_060509A	QC Batch: E06VS099			PrepDate:		Analyst: **TT**
GRO	ND	1.0		mg/Kg	1	5/9/2006
Surr: Bromofluorobenzene (FID)	92.1	42-138		%REC	1	5/9/2006
PCBS BY GC/ECD						
	EPA 3550B			**EPA 8082**		
RunID: GC4_060509A	QC Batch: 27937			PrepDate:	5/9/2006	Analyst: **CPC**
Aroclor 1016	ND	16		µg/Kg	1	5/10/2006
Aroclor 1221	ND	33		µg/Kg	1	5/10/2006
Aroclor 1232	ND	16		µg/Kg	1	5/10/2006
Aroclor 1242	ND	16		µg/Kg	1	5/10/2006
Aroclor 1248	ND	16		µg/Kg	1	5/10/2006
Aroclor 1254	ND	16		µg/Kg	1	5/10/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *15-May-06*

CLIENT: Ninyo & Moore
Lab Order: 084278
Project: I-5 Expansion, 105812001
Lab ID: 084278-005

Client Sample ID: NM03-B8-12
Collection Date: 5/4/2006 11:33:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD						
EPA 3550B				**EPA 8082**		
RunID: GC4_060509A	QC Batch: 27937			PrepDate:	5/9/2006	Analyst: **CPC**
Aroclor 1260	ND	16		µg/Kg	1	5/10/2006
Aroclor 1262	ND	16		µg/Kg	1	5/10/2006
Aroclor 1268	ND	16		µg/Kg	1	5/10/2006
Surr: Decachlorobiphenyl	86.5	44-132		%REC	1	5/10/2006
Surr: Tetrachloro-m-xylene	112	63-130		%REC	1	5/10/2006
MERCURY BY COLD VAPOR TECHNIQUE						
EPA 7471				**EPA 7471A**		
RunID: AA5_060512A	QC Batch: 27993			PrepDate:	5/11/2006	Analyst: **NS**
Mercury	ND	0.10		mg/Kg	1	5/12/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS1_060509A	QC Batch: P06VS085			PrepDate:		Analyst: **TT**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1	5/9/2006
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	5/9/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	5/9/2006
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	5/9/2006
1,1-Dichloroethane	ND	5.0		µg/Kg	1	5/9/2006
1,1-Dichloroethene	ND	5.0		µg/Kg	1	5/9/2006
1,1-Dichloropropene	ND	5.0		µg/Kg	1	5/9/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1	5/9/2006
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1	5/9/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1	5/9/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1	5/9/2006
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1	5/9/2006
1,2-Dibromoethane	ND	5.0		µg/Kg	1	5/9/2006
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1	5/9/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	5/9/2006
1,2-Dichloropropane	ND	5.0		µg/Kg	1	5/9/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1	5/9/2006
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1	5/9/2006
1,3-Dichloropropane	ND	5.0		µg/Kg	1	5/9/2006
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1	5/9/2006
2,2-Dichloropropane	ND	5.0		µg/Kg	1	5/9/2006
2-Chlorotoluene	ND	5.0		µg/Kg	1	5/9/2006
4-Chlorotoluene	ND	5.0		µg/Kg	1	5/9/2006
4-Isopropyltoluene	ND	5.0		µg/Kg	1	5/9/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *15-May-06*

CLIENT: Ninyo & Moore
Lab Order: 084278
Project: I-5 Expansion, 105812001
Lab ID: 084278-005

Client Sample ID: NM03-B8-12
Collection Date: 5/4/2006 11:33:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS1_060509A	QC Batch:	P06VS085		PrepDate:		Analyst: **TT**
Benzene	ND	5.0		µg/Kg	1	5/9/2006
Bromobenzene	ND	5.0		µg/Kg	1	5/9/2006
Bromodichloromethane	ND	5.0		µg/Kg	1	5/9/2006
Bromoform	ND	5.0		µg/Kg	1	5/9/2006
Bromomethane	ND	5.0		µg/Kg	1	5/9/2006
Carbon tetrachloride	ND	5.0		µg/Kg	1	5/9/2006
Chlorobenzene	ND	5.0		µg/Kg	1	5/9/2006
Chloroethane	ND	5.0		µg/Kg	1	5/9/2006
Chloroform	ND	5.0		µg/Kg	1	5/9/2006
Chloromethane	ND	5.0		µg/Kg	1	5/9/2006
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	5/9/2006
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	5/9/2006
Dibromochloromethane	ND	5.0		µg/Kg	1	5/9/2006
Dibromomethane	ND	5.0		µg/Kg	1	5/9/2006
Dichlorodifluoromethane	ND	5.0		µg/Kg	1	5/9/2006
Ethylbenzene	ND	5.0		µg/Kg	1	5/9/2006
Hexachlorobutadiene	ND	5.0		µg/Kg	1	5/9/2006
Isopropylbenzene	ND	5.0		µg/Kg	1	5/9/2006
m,p-Xylene	ND	10		µg/Kg	1	5/9/2006
Methylene chloride	ND	5.0		µg/Kg	1	5/9/2006
n-Butylbenzene	ND	5.0		µg/Kg	1	5/9/2006
n-Propylbenzene	ND	5.0		µg/Kg	1	5/9/2006
Naphthalene	ND	5.0		µg/Kg	1	5/9/2006
o-Xylene	ND	5.0		µg/Kg	1	5/9/2006
sec-Butylbenzene	ND	5.0		µg/Kg	1	5/9/2006
Styrene	ND	5.0		µg/Kg	1	5/9/2006
tert-Butylbenzene	ND	5.0		µg/Kg	1	5/9/2006
Tetrachloroethene	ND	5.0		µg/Kg	1	5/9/2006
Toluene	ND	5.0		µg/Kg	1	5/9/2006
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	5/9/2006
Trichloroethene	ND	5.0		µg/Kg	1	5/9/2006
Trichlorofluoromethane	ND	5.0		µg/Kg	1	5/9/2006
Vinyl chloride	ND	5.0		µg/Kg	1	5/9/2006
Surr: 1,2-Dichloroethane-d4	86.1	58-138		%REC	1	5/9/2006
Surr: 4-Bromofluorobenzene	102	74-130		%REC	1	5/9/2006
Surr: Dibromofluoromethane	91.5	58-135		%REC	1	5/9/2006
Surr: Toluene-d8	103	84-130		%REC	1	5/9/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *15-May-06*

CLIENT: Ninyo & Moore
Lab Order: 084278
Project: I-5 Expansion, 105812001
Lab ID: 084278-005

Client Sample ID: NM03-B8-12
Collection Date: 5/4/2006 11:33:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS7_060512A	QC Batch: 27983				PrepDate: 5/11/2006	Analyst: **MFR**
1,2,4-Trichlorobenzene	ND	330		µg/Kg	1	5/12/2006
1,2-Dichlorobenzene	ND	330		µg/Kg	1	5/12/2006
1,3-Dichlorobenzene	ND	330		µg/Kg	1	5/12/2006
1,4-Dichlorobenzene	ND	330		µg/Kg	1	5/12/2006
2,4,5-Trichlorophenol	ND	330		µg/Kg	1	5/12/2006
2,4,6-Trichlorophenol	ND	330		µg/Kg	1	5/12/2006
2,4-Dichlorophenol	ND	1600		µg/Kg	1	5/12/2006
2,4-Dimethylphenol	ND	330		µg/Kg	1	5/12/2006
2,4-Dinitrophenol	ND	1600		µg/Kg	1	5/12/2006
2,4-Dinitrotoluene	ND	330		µg/Kg	1	5/12/2006
2,6-Dinitrotoluene	ND	330		µg/Kg	1	5/12/2006
2-Chloronaphthalene	ND	330		µg/Kg	1	5/12/2006
2-Chlorophenol	ND	330		µg/Kg	1	5/12/2006
2-Methylnaphthalene	ND	330		µg/Kg	1	5/12/2006
2-Methylphenol	ND	330		µg/Kg	1	5/12/2006
2-Nitroaniline	ND	1600		µg/Kg	1	5/12/2006
2-Nitrophenol	ND	330		µg/Kg	1	5/12/2006
3,3´-Dichlorobenzidine	ND	660		µg/Kg	1	5/12/2006
3-Nitroaniline	ND	1600		µg/Kg	1	5/12/2006
4,6-Dinitro-2-methylphenol	ND	1600		µg/Kg	1	5/12/2006
4-Bromophenyl-phenylether	ND	330		µg/Kg	1	5/12/2006
4-Chloro-3-methylphenol	ND	660		µg/Kg	1	5/12/2006
4-Chloroaniline	ND	660		µg/Kg	1	5/12/2006
4-Chlorophenyl-phenylether	ND	330		µg/Kg	1	5/12/2006
4-Methylphenol	ND	330		µg/Kg	1	5/12/2006
4-Nitroaniline	ND	1600		µg/Kg	1	5/12/2006
4-Nitrophenol	ND	1600		µg/Kg	1	5/12/2006
Acenaphthene	ND	330		µg/Kg	1	5/12/2006
Acenaphthylene	ND	330		µg/Kg	1	5/12/2006
Anthracene	ND	330		µg/Kg	1	5/12/2006
Benzidine (M)	ND	1600		µg/Kg	1	5/12/2006
Benzo(a)anthracene	ND	330		µg/Kg	1	5/12/2006
Benzo(a)pyrene	ND	330		µg/Kg	1	5/12/2006
Benzo(b)fluoranthene	ND	330		µg/Kg	1	5/12/2006
Benzo(g,h,i)perylene	ND	330		µg/Kg	1	5/12/2006
Benzo(k)fluoranthene	ND	330		µg/Kg	1	5/12/2006
Benzoic acid	ND	1600		µg/Kg	1	5/12/2006
Benzyl alcohol	ND	660		µg/Kg	1	5/12/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *15-May-06*

CLIENT: Ninyo & Moore
Lab Order: 084278
Project: I-5 Expansion, 105812001
Lab ID: 084278-005

Client Sample ID: NM03-B8-12
Collection Date: 5/4/2006 11:33:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS7_060512A	QC Batch: 27983			PrepDate:	5/11/2006	Analyst: **MFR**
Bis(2-chloroethoxy)methane	ND	330		µg/Kg	1	5/12/2006
Bis(2-chloroethyl)ether	ND	330		µg/Kg	1	5/12/2006
Bis(2-chloroisopropyl)ether	ND	330		µg/Kg	1	5/12/2006
Bis(2-ethylhexyl)phthalate	ND	330		µg/Kg	1	5/12/2006
Butylbenzylphthalate	ND	330		µg/Kg	1	5/12/2006
Chrysene	ND	330		µg/Kg	1	5/12/2006
Di-n-butylphthalate	ND	330		µg/Kg	1	5/12/2006
Di-n-octylphthalate	ND	330		µg/Kg	1	5/12/2006
Dibenz(a,h)anthracene	ND	330		µg/Kg	1	5/12/2006
Dibenzofuran	ND	330		µg/Kg	1	5/12/2006
Diethylphthalate	ND	330		µg/Kg	1	5/12/2006
Dimethylphthalate	ND	330		µg/Kg	1	5/12/2006
Fluoranthene	ND	330		µg/Kg	1	5/12/2006
Fluorene	ND	330		µg/Kg	1	5/12/2006
Hexachlorobenzene	ND	330		µg/Kg	1	5/12/2006
Hexachlorobutadiene	ND	660		µg/Kg	1	5/12/2006
Hexachlorocyclopentadiene	ND	660		µg/Kg	1	5/12/2006
Hexachloroethane	ND	330		µg/Kg	1	5/12/2006
Indeno(1,2,3-cd)pyrene	ND	330		µg/Kg	1	5/12/2006
Isophorone	ND	330		µg/Kg	1	5/12/2006
N-Nitrosodi-n-propylamine	ND	330		µg/Kg	1	5/12/2006
N-Nitrosodiphenylamine	ND	330		µg/Kg	1	5/12/2006
Naphthalene	ND	330		µg/Kg	1	5/12/2006
Nitrobenzene	ND	330		µg/Kg	1	5/12/2006
Pentachlorophenol	ND	1600		µg/Kg	1	5/12/2006
Phenanthrene	ND	330		µg/Kg	1	5/12/2006
Phenol	ND	330		µg/Kg	1	5/12/2006
Pyrene	ND	330		µg/Kg	1	5/12/2006
Surr: 1,2-Dichlorobenzene-d4	72.6	46-105		%REC	1	5/12/2006
Surr: 2,4,6-Tribromophenol	98.1	46-146		%REC	1	5/12/2006
Surr: 2-Chlorophenol-d4	79.3	48-117		%REC	1	5/12/2006
Surr: 2-Fluorobiphenyl	73.1	54-112		%REC	1	5/12/2006
Surr: 2-Fluorophenol	78.4	45-119		%REC	1	5/12/2006
Surr: 4-Terphenyl-d14	79.1	46-135		%REC	1	5/12/2006
Surr: Nitrobenzene-d5	77.6	40-116		%REC	1	5/12/2006
Surr: Phenol-d5	83.9	37-127		%REC	1	5/12/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *15-May-06*

CLIENT: Ninyo & Moore
Lab Order: 084278
Project: I-5 Expansion, 105812001
Lab ID: 084278-009

Client Sample ID: NM03-B8-GW
Collection Date: 5/4/2006 1:30:00 PM
Matrix: GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3010A			**EPA 6010B**		
RunID: ICP6_060511A	QC Batch: 27975			PrepDate:	5/10/2006	Analyst: **RQ**
Antimony	ND	0.025		mg/L	5	5/11/2006
Arsenic	ND	0.050		mg/L	5	5/11/2006
Barium	0.21	0.015		mg/L	5	5/11/2006
Beryllium	0.017	0.015		mg/L	5	5/11/2006
Cadmium	ND	0.015		mg/L	5	5/11/2006
Chromium	0.058	0.015		mg/L	5	5/11/2006
Cobalt	0.072	0.015		mg/L	5	5/11/2006
Copper	ND	0.025		mg/L	5	5/11/2006
Lead	ND	0.025		mg/L	5	5/11/2006
Molybdenum	ND	0.025		mg/L	5	5/11/2006
Nickel	0.080	0.025		mg/L	5	5/11/2006
Selenium	0.080	0.050		mg/L	5	5/11/2006
Silver	ND	0.015		mg/L	5	5/11/2006
Thallium	ND	0.075		mg/L	5	5/11/2006
Vanadium	0.043	0.015		mg/L	5	5/11/2006
Zinc	ND	0.050		mg/L	5	5/11/2006
DIESEL RANGE ORGANICS BY GC/FID						
	EPA 3510C			**EPA 8015B(M)**		
RunID: GC7_BACK_060509A	QC Batch: 27913			PrepDate:	5/8/2006	Analyst: **CBR**
DRO	ND	0.20		mg/L	1	5/9/2006
Surr: p-Terphenyl	67.7	32-125		%REC	1	5/9/2006
PCBS BY GC/ECD						
	EPA 3510C			**EPA 8082**		
RunID: GC5_060510A	QC Batch: 27964			PrepDate:	5/10/2006	Analyst: **EES**
Aroclor 1016	ND	0.56		µg/L	1	5/10/2006
Aroclor 1221	ND	1.1		µg/L	1	5/10/2006
Aroclor 1232	ND	0.56		µg/L	1	5/10/2006
Aroclor 1242	ND	0.56		µg/L	1	5/10/2006
Aroclor 1248	ND	0.56		µg/L	1	5/10/2006
Aroclor 1254	ND	0.56		µg/L	1	5/10/2006
Aroclor 1260	ND	0.56		µg/L	1	5/10/2006
Aroclor 1262	ND	0.56		µg/L	1	5/10/2006
Aroclor 1268	ND	0.56		µg/L	1	5/10/2006
Surr: Decachlorobiphenyl	81.4	20-130		%REC	1	5/10/2006
Surr: Tetrachloro-m-xylene	91.2	40-145		%REC	1	5/10/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *15-May-06*

CLIENT: Ninyo & Moore
Lab Order: 084278
Project: I-5 Expansion, 105812001
Lab ID: 084278-009

Client Sample ID: NM03-B8-GW
Collection Date: 5/4/2006 1:30:00 PM
Matrix: GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC6_060510A	QC Batch: I06VW119			PrepDate:		Analyst: **EA**
GRO	ND	0.20		mg/L	1	5/10/2006
Surr: Bromofluorobenzene (FID)	103	76-125		%REC	1	5/10/2006
MERCURY BY COLD VAPOR TECHNIQUE						
	EPA 7470			**EPA 7470A**		
RunID: AA5_060511B	QC Batch: 27974			PrepDate:	5/10/2006	Analyst: **NS**
Mercury	0.23	0.20		µg/L	1	5/11/2006
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
	EPA 3510C			**EPA 8270C**		
RunID: MS7_060511A	QC Batch: 27933			PrepDate:	5/9/2006	Analyst: **MFR**
1,2,4-Trichlorobenzene	ND	17		µg/L	1	5/11/2006
1,2-Dichlorobenzene	ND	17		µg/L	1	5/11/2006
1,3-Dichlorobenzene	ND	17		µg/L	1	5/11/2006
1,4-Dichlorobenzene	ND	17		µg/L	1	5/11/2006
2,4,5-Trichlorophenol	ND	17		µg/L	1	5/11/2006
2,4,6-Trichlorophenol	ND	17		µg/L	1	5/11/2006
2,4-Dichlorophenol	ND	17		µg/L	1	5/11/2006
2,4-Dimethylphenol	ND	17		µg/L	1	5/11/2006
2,4-Dinitrophenol	ND	83		µg/L	1	5/11/2006
2,4-Dinitrotoluene	ND	17		µg/L	1	5/11/2006
2,6-Dinitrotoluene	ND	17		µg/L	1	5/11/2006
2-Chloronaphthalene	ND	17		µg/L	1	5/11/2006
2-Chlorophenol	ND	17		µg/L	1	5/11/2006
2-Methylnaphthalene	ND	17		µg/L	1	5/11/2006
2-Methylphenol	ND	17		µg/L	1	5/11/2006
2-Nitroaniline	ND	83		µg/L	1	5/11/2006
2-Nitrophenol	ND	17		µg/L	1	5/11/2006
3,3´-Dichlorobenzidine	ND	33		µg/L	1	5/11/2006
3-Nitroaniline	ND	83		µg/L	1	5/11/2006
4,6-Dinitro-2-methylphenol	ND	83		µg/L	1	5/11/2006
4-Bromophenyl-phenylether	ND	17		µg/L	1	5/11/2006
4-Chloro-3-methylphenol	ND	83		µg/L	1	5/11/2006
4-Chloroaniline	ND	33		µg/L	1	5/11/2006
4-Chlorophenyl-phenylether	ND	17		µg/L	1	5/11/2006
4-Methylphenol	ND	17		µg/L	1	5/11/2006
4-Nitroaniline	ND	33		µg/L	1	5/11/2006
4-Nitrophenol	ND	83		µg/L	1	5/11/2006

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Lab ID: 084278-009

Client Sample ID: NM03-B8-GW
Collection Date: 5/4/2006 1:30:00 PM
Matrix: GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3510C				**EPA 8270C**		
RunID: MS7_060511A	QC Batch: 27933				PrepDate: 5/9/2006	Analyst: **MFR**
Acenaphthene	ND	17		µg/L	1	5/11/2006
Acenaphthylene	ND	17		µg/L	1	5/11/2006
Anthracene	ND	17		µg/L	1	5/11/2006
Benzidine (M)	ND	83		µg/L	1	5/11/2006
Benzo(a)anthracene	ND	17		µg/L	1	5/11/2006
Benzo(a)pyrene	ND	17		µg/L	1	5/11/2006
Benzo(b)fluoranthene	ND	17		µg/L	1	5/11/2006
Benzo(g,h,i)perylene	ND	17		µg/L	1	5/11/2006
Benzo(k)fluoranthene	ND	17		µg/L	1	5/11/2006
Benzoic acid	ND	83		µg/L	1	5/11/2006
Benzyl alcohol	ND	33		µg/L	1	5/11/2006
Bis(2-chloroethoxy)methane	ND	17		µg/L	1	5/11/2006
Bis(2-chloroethyl)ether	ND	17		µg/L	1	5/11/2006
Bis(2-chloroisopropyl)ether	ND	17		µg/L	1	5/11/2006
Bis(2-ethylhexyl)phthalate	ND	17		µg/L	1	5/11/2006
Butylbenzylphthalate	ND	17		µg/L	1	5/11/2006
Chrysene	ND	17		µg/L	1	5/11/2006
Di-n-butylphthalate	ND	17		µg/L	1	5/11/2006
Di-n-octylphthalate	ND	17		µg/L	1	5/11/2006
Dibenz(a,h)anthracene	ND	17		µg/L	1	5/11/2006
Dibenzofuran	ND	17		µg/L	1	5/11/2006
Diethylphthalate	ND	17		µg/L	1	5/11/2006
Dimethylphthalate	ND	17		µg/L	1	5/11/2006
Fluoranthene	ND	17		µg/L	1	5/11/2006
Fluorene	ND	17		µg/L	1	5/11/2006
Hexachlorobenzene	ND	17		µg/L	1	5/11/2006
Hexachlorobutadiene	ND	33		µg/L	1	5/11/2006
Hexachlorocyclopentadiene	ND	17		µg/L	1	5/11/2006
Hexachloroethane	ND	17		µg/L	1	5/11/2006
Indeno(1,2,3-cd)pyrene	ND	17		µg/L	1	5/11/2006
Isophorone	ND	17		µg/L	1	5/11/2006
N-Nitrosodi-n-propylamine	ND	17		µg/L	1	5/11/2006
N-Nitrosodiphenylamine	ND	17		µg/L	1	5/11/2006
Naphthalene	ND	17		µg/L	1	5/11/2006
Nitrobenzene	ND	17		µg/L	1	5/11/2006
Pentachlorophenol	ND	83		µg/L	1	5/11/2006
Phenanthrene	ND	17		µg/L	1	5/11/2006
Phenol	ND	17		µg/L	1	5/11/2006

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Lab Order: 084278
Project: I-5 Expansion, 105812001
Lab ID: 084278-009

Client Sample ID: NM03-B8-GW
Collection Date: 5/4/2006 1:30:00 PM
Matrix: GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3510C				**EPA 8270C**		
RunID: MS7_060511A	QC Batch: 27933				PrepDate: 5/9/2006	Analyst: **MFR**
Pyrene	ND	17		µg/L	1	5/11/2006
Surr: 1,2-Dichlorobenzene-d4	69.4	41-103		%REC	1	5/11/2006
Surr: 2,4,6-Tribromophenol	85.4	55-137		%REC	1	5/11/2006
Surr: 2-Chlorophenol-d4	68.1	34-117		%REC	1	5/11/2006
Surr: 2-Fluorobiphenyl	70.3	49-114		%REC	1	5/11/2006
Surr: 2-Fluorophenol	48.6	24-74		%REC	1	5/11/2006
Surr: 4-Terphenyl-d14	76.0	42-138		%REC	1	5/11/2006
Surr: Nitrobenzene-d5	75.4	47-115		%REC	1	5/11/2006
Surr: Phenol-d5	37.0	16-63		%REC	1	5/11/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060509A	QC Batch: Q06VW085				PrepDate:	Analyst: **HH**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	5/9/2006
1,1,1-Trichloroethane	ND	5.0		µg/L	1	5/9/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	5/9/2006
1,1,2-Trichloroethane	ND	5.0		µg/L	1	5/9/2006
1,1-Dichloroethane	ND	5.0		µg/L	1	5/9/2006
1,1-Dichloroethene	ND	5.0		µg/L	1	5/9/2006
1,1-Dichloropropene	ND	5.0		µg/L	1	5/9/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/L	1	5/9/2006
1,2,3-Trichloropropane	ND	5.0		µg/L	1	5/9/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	5/9/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/L	1	5/9/2006
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	5/9/2006
1,2-Dibromoethane	ND	5.0		µg/L	1	5/9/2006
1,2-Dichlorobenzene	ND	5.0		µg/L	1	5/9/2006
1,2-Dichloroethane	ND	5.0		µg/L	1	5/9/2006
1,2-Dichloropropane	ND	5.0		µg/L	1	5/9/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	5/9/2006
1,3-Dichlorobenzene	ND	5.0		µg/L	1	5/9/2006
1,3-Dichloropropane	ND	5.0		µg/L	1	5/9/2006
1,4-Dichlorobenzene	ND	5.0		µg/L	1	5/9/2006
2,2-Dichloropropane	ND	5.0		µg/L	1	5/9/2006
2-Chlorotoluene	ND	5.0		µg/L	1	5/9/2006
4-Chlorotoluene	ND	5.0		µg/L	1	5/9/2006
4-Isopropyltoluene	ND	5.0		µg/L	1	5/9/2006
Benzene	ND	5.0		µg/L	1	5/9/2006

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Lab Order: 084278
Project: I-5 Expansion, 105812001
Lab ID: 084278-009

Client Sample ID: NM03-B8-GW
Collection Date: 5/4/2006 1:30:00 PM
Matrix: GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060509A	QC Batch:	Q06VW085			PrepDate:	Analyst: **HH**
Bromobenzene	ND	5.0		µg/L	1	5/9/2006
Bromodichloromethane	ND	5.0		µg/L	1	5/9/2006
Bromoform	ND	5.0		µg/L	1	5/9/2006
Bromomethane	ND	5.0		µg/L	1	5/9/2006
Carbon tetrachloride	ND	5.0		µg/L	1	5/9/2006
Chlorobenzene	ND	5.0		µg/L	1	5/9/2006
Chloroethane	ND	5.0		µg/L	1	5/9/2006
Chloroform	ND	5.0		µg/L	1	5/9/2006
Chloromethane	ND	5.0		µg/L	1	5/9/2006
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	5/9/2006
Dibromochloromethane	ND	5.0		µg/L	1	5/9/2006
Dibromomethane	ND	5.0		µg/L	1	5/9/2006
Dichlorodifluoromethane	ND	5.0		µg/L	1	5/9/2006
Ethylbenzene	ND	5.0		µg/L	1	5/9/2006
Hexachlorobutadiene	ND	5.0		µg/L	1	5/9/2006
Isopropylbenzene	ND	5.0		µg/L	1	5/9/2006
m,p-Xylene	ND	10		µg/L	1	5/9/2006
Methylene chloride	ND	5.0		µg/L	1	5/9/2006
n-Butylbenzene	ND	5.0		µg/L	1	5/9/2006
n-Propylbenzene	ND	5.0		µg/L	1	5/9/2006
Naphthalene	ND	5.0		µg/L	1	5/9/2006
o-Xylene	ND	5.0		µg/L	1	5/9/2006
sec-Butylbenzene	ND	5.0		µg/L	1	5/9/2006
Styrene	ND	5.0		µg/L	1	5/9/2006
tert-Butylbenzene	ND	5.0		µg/L	1	5/9/2006
Tetrachloroethene	ND	5.0		µg/L	1	5/9/2006
Toluene	ND	5.0		µg/L	1	5/9/2006
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	5/9/2006
Trichloroethene	ND	5.0		µg/L	1	5/9/2006
Trichlorofluoromethane	ND	5.0		µg/L	1	5/9/2006
Vinyl chloride	ND	5.0		µg/L	1	5/9/2006
Surr: 1,2-Dichloroethane-d4	91.4	70-126		%REC	1	5/9/2006
Surr: 4-Bromofluorobenzene	113	63-134		%REC	1	5/9/2006
Surr: Dibromofluoromethane	96.8	73-124		%REC	1	5/9/2006
Surr: Toluene-d8	109	84-123		%REC	1	5/9/2006

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Advanced Technology Laboratories

Date: *15-May-06*

CLIENT: Ninyo & Moore
Lab Order: 084278
Project: I-5 Expansion, 105812001
Lab ID: 084278-010

Client Sample ID: NM03-B8-Equip
Collection Date: 5/4/2006 2:00:00 PM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3010A			**EPA 6010B**		
RunID: ICP6_060511A	QC Batch: 27975			PrepDate:	5/10/2006	Analyst: **RQ**
Antimony	ND	0.0050		mg/L	1	5/11/2006
Arsenic	ND	0.010		mg/L	1	5/11/2006
Barium	ND	0.0030		mg/L	1	5/11/2006
Beryllium	ND	0.0030		mg/L	1	5/11/2006
Cadmium	ND	0.0030		mg/L	1	5/11/2006
Chromium	ND	0.0030		mg/L	1	5/11/2006
Cobalt	ND	0.0030		mg/L	1	5/11/2006
Copper	ND	0.0050		mg/L	1	5/11/2006
Lead	ND	0.0050		mg/L	1	5/11/2006
Molybdenum	ND	0.0050		mg/L	1	5/11/2006
Nickel	ND	0.0050		mg/L	1	5/11/2006
Selenium	ND	0.010		mg/L	1	5/11/2006
Silver	ND	0.0030		mg/L	1	5/11/2006
Thallium	ND	0.015		mg/L	1	5/11/2006
Vanadium	ND	0.0030		mg/L	1	5/11/2006
Zinc	ND	0.010		mg/L	1	5/11/2006
DIESEL RANGE ORGANICS BY GC/FID						
	EPA 3510C			**EPA 8015B(M)**		
RunID: GC7_BACK_060509A	QC Batch: 27913			PrepDate:	5/8/2006	Analyst: **CBR**
DRO	ND	0.20		mg/L	1	5/9/2006
Surr: p-Terphenyl	73.1	32-125		%REC	1	5/9/2006
PCBS BY GC/ECD						
	EPA 3510C			**EPA 8082**		
RunID: GC5_060510A	QC Batch: 27964			PrepDate:	5/10/2006	Analyst: **EES**
Aroclor 1016	ND	0.50		µg/L	1	5/10/2006
Aroclor 1221	ND	1.0		µg/L	1	5/10/2006
Aroclor 1232	ND	0.50		µg/L	1	5/10/2006
Aroclor 1242	ND	0.50		µg/L	1	5/10/2006
Aroclor 1248	ND	0.50		µg/L	1	5/10/2006
Aroclor 1254	ND	0.50		µg/L	1	5/10/2006
Aroclor 1260	ND	0.50		µg/L	1	5/10/2006
Aroclor 1262	ND	0.50		µg/L	1	5/10/2006
Aroclor 1268	ND	0.50		µg/L	1	5/10/2006
Surr: Decachlorobiphenyl	54.4	20-130		%REC	1	5/10/2006
Surr: Tetrachloro-m-xylene	71.3	40-145		%REC	1	5/10/2006

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Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS BY GC/FID						
			EPA 8015B(M)			
RunID: GC6_060510A	QC Batch: I06VW119			PrepDate:		Analyst: **EA**
GRO	ND	0.20		mg/L	1	5/10/2006
Surr: Bromofluorobenzene (FID)	104	76-125		%REC	1	5/10/2006
MERCURY BY COLD VAPOR TECHNIQUE						
	EPA 7470			**EPA 7470A**		
RunID: AA5_060511B	QC Batch: 27974			PrepDate:	5/10/2006	Analyst: **NS**
Mercury	ND	0.20		µg/L	1	5/11/2006
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
	EPA 3510C			**EPA 8270C**		
RunID: MS7_060511A	QC Batch: 27933			PrepDate:	5/9/2006	Analyst: **MFR**
1,2,4-Trichlorobenzene	ND	10		µg/L	1	5/11/2006
1,2-Dichlorobenzene	ND	10		µg/L	1	5/11/2006
1,3-Dichlorobenzene	ND	10		µg/L	1	5/11/2006
1,4-Dichlorobenzene	ND	10		µg/L	1	5/11/2006
2,4,5-Trichlorophenol	ND	10		µg/L	1	5/11/2006
2,4,6-Trichlorophenol	ND	10		µg/L	1	5/11/2006
2,4-Dichlorophenol	ND	10		µg/L	1	5/11/2006
2,4-Dimethylphenol	ND	10		µg/L	1	5/11/2006
2,4-Dinitrophenol	ND	50		µg/L	1	5/11/2006
2,4-Dinitrotoluene	ND	10		µg/L	1	5/11/2006
2,6-Dinitrotoluene	ND	10		µg/L	1	5/11/2006
2-Chloronaphthalene	ND	10		µg/L	1	5/11/2006
2-Chlorophenol	ND	10		µg/L	1	5/11/2006
2-Methylnaphthalene	ND	10		µg/L	1	5/11/2006
2-Methylphenol	ND	10		µg/L	1	5/11/2006
2-Nitroaniline	ND	50		µg/L	1	5/11/2006
2-Nitrophenol	ND	10		µg/L	1	5/11/2006
3,3´-Dichlorobenzidine	ND	20		µg/L	1	5/11/2006
3-Nitroaniline	ND	50		µg/L	1	5/11/2006
4,6-Dinitro-2-methylphenol	ND	50		µg/L	1	5/11/2006
4-Bromophenyl-phenylether	ND	10		µg/L	1	5/11/2006
4-Chloro-3-methylphenol	ND	50		µg/L	1	5/11/2006
4-Chloroaniline	ND	20		µg/L	1	5/11/2006
4-Chlorophenyl-phenylether	ND	10		µg/L	1	5/11/2006
4-Methylphenol	ND	10		µg/L	1	5/11/2006
4-Nitroaniline	ND	20		µg/L	1	5/11/2006
4-Nitrophenol	ND	50		µg/L	1	5/11/2006

Qualifiers:

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DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *15-May-06*

CLIENT: Ninyo & Moore
Lab Order: 084278
Project: I-5 Expansion, 105812001
Lab ID: 084278-010

Client Sample ID: NM03-B8-Equip
Collection Date: 5/4/2006 2:00:00 PM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3510C				**EPA 8270C**		
RunID: MS7_060511A	QC Batch: 27933				PrepDate: 5/9/2006	Analyst: **MFR**
Acenaphthene	ND	10		µg/L	1	5/11/2006
Acenaphthylene	ND	10		µg/L	1	5/11/2006
Anthracene	ND	10		µg/L	1	5/11/2006
Benzidine (M)	ND	50		µg/L	1	5/11/2006
Benzo(a)anthracene	ND	10		µg/L	1	5/11/2006
Benzo(a)pyrene	ND	10		µg/L	1	5/11/2006
Benzo(b)fluoranthene	ND	10		µg/L	1	5/11/2006
Benzo(g,h,i)perylene	ND	10		µg/L	1	5/11/2006
Benzo(k)fluoranthene	ND	10		µg/L	1	5/11/2006
Benzoic acid	ND	50		µg/L	1	5/11/2006
Benzyl alcohol	ND	20		µg/L	1	5/11/2006
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	5/11/2006
Bis(2-chloroethyl)ether	ND	10		µg/L	1	5/11/2006
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	5/11/2006
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	5/11/2006
Butylbenzylphthalate	ND	10		µg/L	1	5/11/2006
Chrysene	ND	10		µg/L	1	5/11/2006
Di-n-butylphthalate	ND	10		µg/L	1	5/11/2006
Di-n-octylphthalate	ND	10		µg/L	1	5/11/2006
Dibenz(a,h)anthracene	ND	10		µg/L	1	5/11/2006
Dibenzofuran	ND	10		µg/L	1	5/11/2006
Diethylphthalate	ND	10		µg/L	1	5/11/2006
Dimethylphthalate	ND	10		µg/L	1	5/11/2006
Fluoranthene	ND	10		µg/L	1	5/11/2006
Fluorene	ND	10		µg/L	1	5/11/2006
Hexachlorobenzene	ND	10		µg/L	1	5/11/2006
Hexachlorobutadiene	ND	20		µg/L	1	5/11/2006
Hexachlorocyclopentadiene	ND	10		µg/L	1	5/11/2006
Hexachloroethane	ND	10		µg/L	1	5/11/2006
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	5/11/2006
Isophorone	ND	10		µg/L	1	5/11/2006
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	5/11/2006
N-Nitrosodiphenylamine	ND	10		µg/L	1	5/11/2006
Naphthalene	ND	10		µg/L	1	5/11/2006
Nitrobenzene	ND	10		µg/L	1	5/11/2006
Pentachlorophenol	ND	50		µg/L	1	5/11/2006
Phenanthrene	ND	10		µg/L	1	5/11/2006
Phenol	ND	10		µg/L	1	5/11/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *15-May-06*

CLIENT: Ninyo & Moore
Lab Order: 084278
Project: I-5 Expansion, 105812001
Lab ID: 084278-010

Client Sample ID: NM03-B8-Equip
Collection Date: 5/4/2006 2:00:00 PM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3510C				**EPA 8270C**		
RunID: MS7_060511A	QC Batch: 27933			PrepDate:	5/9/2006	Analyst: **MFR**
Pyrene	ND	10		µg/L	1	5/11/2006
Surr: 1,2-Dichlorobenzene-d4	66.4	41-103		%REC	1	5/11/2006
Surr: 2,4,6-Tribromophenol	83.0	55-137		%REC	1	5/11/2006
Surr: 2-Chlorophenol-d4	64.0	34-117		%REC	1	5/11/2006
Surr: 2-Fluorobiphenyl	69.5	49-114		%REC	1	5/11/2006
Surr: 2-Fluorophenol	38.8	24-74		%REC	1	5/11/2006
Surr: 4-Terphenyl-d14	82.1	42-138		%REC	1	5/11/2006
Surr: Nitrobenzene-d5	72.6	47-115		%REC	1	5/11/2006
Surr: Phenol-d5	26.8	16-63		%REC	1	5/11/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060509A	QC Batch: Q06VW085			PrepDate:		Analyst: **HH**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	5/9/2006
1,1,1-Trichloroethane	ND	5.0		µg/L	1	5/9/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	5/9/2006
1,1,2-Trichloroethane	ND	5.0		µg/L	1	5/9/2006
1,1-Dichloroethane	ND	5.0		µg/L	1	5/9/2006
1,1-Dichloroethene	ND	5.0		µg/L	1	5/9/2006
1,1-Dichloropropene	ND	5.0		µg/L	1	5/9/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/L	1	5/9/2006
1,2,3-Trichloropropane	ND	5.0		µg/L	1	5/9/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	5/9/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/L	1	5/9/2006
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	5/9/2006
1,2-Dibromoethane	ND	5.0		µg/L	1	5/9/2006
1,2-Dichlorobenzene	ND	5.0		µg/L	1	5/9/2006
1,2-Dichloroethane	ND	5.0		µg/L	1	5/9/2006
1,2-Dichloropropane	ND	5.0		µg/L	1	5/9/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	5/9/2006
1,3-Dichlorobenzene	ND	5.0		µg/L	1	5/9/2006
1,3-Dichloropropane	ND	5.0		µg/L	1	5/9/2006
1,4-Dichlorobenzene	ND	5.0		µg/L	1	5/9/2006
2,2-Dichloropropane	ND	5.0		µg/L	1	5/9/2006
2-Chlorotoluene	ND	5.0		µg/L	1	5/9/2006
4-Chlorotoluene	ND	5.0		µg/L	1	5/9/2006
4-Isopropyltoluene	ND	5.0		µg/L	1	5/9/2006
Benzene	ND	5.0		µg/L	1	5/9/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
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DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *15-May-06*

CLIENT: Ninyo & Moore
Lab Order: 084278
Project: I-5 Expansion, 105812001
Lab ID: 084278-010

Client Sample ID: NM03-B8-Equip
Collection Date: 5/4/2006 2:00:00 PM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060509A	QC Batch:	Q06VW085			PrepDate:	Analyst: **HH**
Bromobenzene	ND	5.0		µg/L	1	5/9/2006
Bromodichloromethane	ND	5.0		µg/L	1	5/9/2006
Bromoform	ND	5.0		µg/L	1	5/9/2006
Bromomethane	ND	5.0		µg/L	1	5/9/2006
Carbon tetrachloride	ND	5.0		µg/L	1	5/9/2006
Chlorobenzene	ND	5.0		µg/L	1	5/9/2006
Chloroethane	ND	5.0		µg/L	1	5/9/2006
Chloroform	ND	5.0		µg/L	1	5/9/2006
Chloromethane	ND	5.0		µg/L	1	5/9/2006
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	5/9/2006
Dibromochloromethane	ND	5.0		µg/L	1	5/9/2006
Dibromomethane	ND	5.0		µg/L	1	5/9/2006
Dichlorodifluoromethane	ND	5.0		µg/L	1	5/9/2006
Ethylbenzene	ND	5.0		µg/L	1	5/9/2006
Hexachlorobutadiene	ND	5.0		µg/L	1	5/9/2006
Isopropylbenzene	ND	5.0		µg/L	1	5/9/2006
m,p-Xylene	ND	10		µg/L	1	5/9/2006
Methylene chloride	ND	5.0		µg/L	1	5/9/2006
n-Butylbenzene	ND	5.0		µg/L	1	5/9/2006
n-Propylbenzene	ND	5.0		µg/L	1	5/9/2006
Naphthalene	ND	5.0		µg/L	1	5/9/2006
o-Xylene	ND	5.0		µg/L	1	5/9/2006
sec-Butylbenzene	ND	5.0		µg/L	1	5/9/2006
Styrene	ND	5.0		µg/L	1	5/9/2006
tert-Butylbenzene	ND	5.0		µg/L	1	5/9/2006
Tetrachloroethene	ND	5.0		µg/L	1	5/9/2006
Toluene	ND	5.0		µg/L	1	5/9/2006
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	5/9/2006
Trichloroethene	ND	5.0		µg/L	1	5/9/2006
Trichlorofluoromethane	ND	5.0		µg/L	1	5/9/2006
Vinyl chloride	ND	5.0		µg/L	1	5/9/2006
Surr: 1,2-Dichloroethane-d4	89.3	70-126		%REC	1	5/9/2006
Surr: 4-Bromofluorobenzene	113	63-134		%REC	1	5/9/2006
Surr: Dibromofluoromethane	97.9	73-124		%REC	1	5/9/2006
Surr: Toluene-d8	108	84-123		%REC	1	5/9/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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CLIENT: Ninyo & Moore
Work Order: 084278
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **MB-27991** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **5/11/2006** RunNo: **63283**
Client ID: **PBS** Batch ID: **27991** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **5/12/2006** SeqNo: **935977**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.00	2.0									
Arsenic	0.00	1.0									
Barium	0.00	1.0									
Beryllium	0.00	1.0									
Cadmium	0.00	1.0									
Chromium	0.00	1.0									
Cobalt	0.00	1.0									
Copper	0.00	2.0									
Lead	0.00	1.0									
Molybdenum	0.00	1.0									
Nickel	0.00	1.0									
Selenium	0.00	1.0									
Silver	0.00	1.0									
Thallium	0.00	1.0									
Vanadium	0.00	1.0									
Zinc	0.00	1.0									

Sample ID: **LCS-27991** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **5/11/2006** RunNo: **63283**
Client ID: **LCSS** Batch ID: **27991** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **5/12/2006** SeqNo: **935978**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	46.24	2.0	50.00	0	92.5	80	120				
Arsenic	46.18	1.0	50.00	0	92.4	80	120				
Barium	49.60	1.0	50.00	0	99.2	80	120				
Beryllium	45.22	1.0	50.00	0	90.4	80	120				
Cadmium	47.28	1.0	50.00	0	94.6	80	120				
Chromium	47.21	1.0	50.00	0	94.4	80	120				
Cobalt	45.24	1.0	50.00	0	90.5	80	120				
Copper	47.71	2.0	50.00	0	95.4	80	120				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 084278
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **LCS-27991** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **5/11/2006** RunNo: **63283**
Client ID: **LCSS** Batch ID: **27991** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **5/12/2006** SeqNo: **935978**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	46.95	1.0	50.00	0	93.9	80	120				
Molybdenum	48.12	1.0	50.00	0	96.2	80	120				
Nickel	44.95	1.0	50.00	0	89.9	80	120				
Selenium	45.11	1.0	50.00	0	90.2	80	120				
Silver	46.66	1.0	50.00	0	93.3	80	120				
Thallium	46.20	1.0	50.00	0	92.4	80	120				
Vanadium	46.90	1.0	50.00	0	93.8	80	120				
Zinc	46.20	1.0	50.00	0	92.4	80	120				

Sample ID: **084283-001ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **5/11/2006** RunNo: **63283**
Client ID: **ZZZZZZ** Batch ID: **27991** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **5/12/2006** SeqNo: **936083**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	3.73	10						2.492	0	20	
Arsenic	11.34	5.0						5.377	71.3	20	R
Barium	5312.16	5.0						3224	48.9	20	R
Beryllium	0.00	5.0						0	0	20	
Cadmium	0.51	5.0						0.4552	0	20	
Chromium	25.59	5.0						19.00	29.5	20	R
Cobalt	4.86	5.0						3.576	0	20	
Copper	21.73	10						17.52	21.5	20	R
Lead	11.34	5.0						6.141	59.5	20	R
Molybdenum	0.00	5.0						0.3195	0	20	
Nickel	19.12	5.0						13.27	36.1	20	R
Selenium	0.00	5.0						0	0	20	
Silver	0.00	5.0						0	0	20	
Thallium	0.00	5.0						0	0	20	
Vanadium	46.86	5.0						31.80	38.3	20	R
Zinc	56.37	5.0						42.19	28.8	20	R

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
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CLIENT: Ninyo & Moore
Work Order: 084278
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **084283-001AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **5/11/2006** RunNo: **63283**
Client ID: **ZZZZZZ** Batch ID: **27991** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **5/12/2006** SeqNo: **936084**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	97.55	10	125.0	2.492	76.0	25	108				
Arsenic	124.17	5.0	125.0	5.377	95.0	46	118				
Barium	7898.43	5.0	125.0	3224	3740	32	131				S
Beryllium	131.27	5.0	125.0	0	105	59	104				S
Cadmium	128.25	5.0	125.0	0.4552	102	63	105				
Chromium	153.59	5.0	125.0	19.00	108	49	116				
Cobalt	130.22	5.0	125.0	3.576	101	58	104				
Copper	153.34	10	125.0	17.52	109	54	126				
Lead	126.82	5.0	125.0	6.141	96.5	31	122				
Molybdenum	117.31	5.0	125.0	0.3195	93.6	61	104				
Nickel	134.80	5.0	125.0	13.27	97.2	50	112				
Selenium	114.24	5.0	125.0	0	91.4	53	109				
Silver	126.52	5.0	125.0	0	101	41	121				
Thallium	112.73	5.0	125.0	0	90.2	54	100				
Vanadium	176.83	5.0	125.0	31.80	116	59	109				S
Zinc	170.35	5.0	125.0	42.19	103	27	131				

Sample ID: **084283-001AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **5/11/2006** RunNo: **63283**
Client ID: **ZZZZZZ** Batch ID: **27991** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **5/12/2006** SeqNo: **936085**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	89.22	10	125.0	2.492	69.4	25	108	97.55	8.92	20	
Arsenic	115.34	5.0	125.0	5.377	88.0	46	118	124.2	7.37	20	
Barium	6775.55	5.0	125.0	3224	2840	32	131	7898	15.3	20	S
Beryllium	119.46	5.0	125.0	0	95.6	59	104	131.3	9.42	20	
Cadmium	117.07	5.0	125.0	0.4552	93.3	63	105	128.3	9.12	20	
Chromium	141.04	5.0	125.0	19.00	97.6	49	116	153.6	8.52	20	
Cobalt	119.42	5.0	125.0	3.576	92.7	58	104	130.2	8.65	20	
Copper	149.02	10	125.0	17.52	105	54	126	153.3	2.86	20	
Lead	117.87	5.0	125.0	6.141	89.4	31	122	126.8	7.32	20	
Molybdenum	108.90	5.0	125.0	0.3195	86.9	61	104	117.3	7.44	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 084278
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **084283-001AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **5/11/2006** RunNo: **63283**
Client ID: **ZZZZZZ** Batch ID: **27991** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **5/12/2006** SeqNo: **936085**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	123.85	5.0	125.0	13.27	88.5	50	112	134.8	8.47	20	
Selenium	110.65	5.0	125.0	0	88.5	53	109	114.2	3.19	20	
Silver	115.28	5.0	125.0	0	92.2	41	121	126.5	9.30	20	
Thallium	103.94	5.0	125.0	0	83.2	54	100	112.7	8.11	20	
Vanadium	161.77	5.0	125.0	31.80	104	59	109	176.8	8.90	20	
Zinc	157.90	5.0	125.0	42.19	92.6	27	131	170.4	7.58	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 084278
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **MB-28001A** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **5/11/2006** RunNo: **63299**
Client ID: **PBS** Batch ID: **28001** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **5/13/2006** SeqNo: **936155**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.60	1.0									

Sample ID: **LCS-28001** SampType: **LCS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **5/11/2006** RunNo: **63299**
Client ID: **LCSS** Batch ID: **28001** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **5/13/2006** SeqNo: **936156**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	252.20	1.0	250.0	0.6000	101	80	120				

Sample ID: **084288-019ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **5/11/2006** RunNo: **63299**
Client ID: **ZZZZZZ** Batch ID: **28001** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **5/13/2006** SeqNo: **936159**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	8.37	1.0						7.205	14.9	20	

Sample ID: **084288-019AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **5/11/2006** RunNo: **63299**
Client ID: **ZZZZZZ** Batch ID: **28001** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **5/13/2006** SeqNo: **936160**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	195.42	1.0	250.0	7.205	75.3	31	122				

Sample ID: **084288-019AMSD** SampType: **MSD** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **5/11/2006** RunNo: **63299**
Client ID: **ZZZZZZ** Batch ID: **28001** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **5/13/2006** SeqNo: **936161**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	182.96	1.0	250.0	7.205	70.3	31	122	195.4	6.59	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 084278
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_W

Sample ID: **MB-27975** SampType: **MBLK** TestCode: **6010_W** Units: **mg/L** Prep Date: **5/10/2006** RunNo: **63208**
Client ID: **PBW** Batch ID: **27975** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **5/11/2006** SeqNo: **935038**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.00	0.0050									
Arsenic	0.00	0.010									
Barium	0.00	0.0030									
Beryllium	0.00	0.0030									
Cadmium	0.00	0.0030									
Chromium	0.00	0.0030									
Cobalt	0.00	0.0030									
Copper	0.00	0.0050									
Lead	0.00	0.0050									
Molybdenum	0.00	0.0050									
Nickel	0.00	0.0050									
Selenium	0.00	0.010									
Silver	0.00	0.0030									
Thallium	0.00	0.015									
Vanadium	0.00	0.0030									
Zinc	0.00	0.010									

Sample ID: **LCS-27975** SampType: **LCS** TestCode: **6010_W** Units: **mg/L** Prep Date: **5/10/2006** RunNo: **63208**
Client ID: **LCSW** Batch ID: **27975** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **5/11/2006** SeqNo: **935039**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	1.04	0.0050	1.000	0	104	85	115				
Arsenic	1.01	0.010	1.000	0	101	85	115				
Barium	1.07	0.0030	1.000	0	107	85	115				
Beryllium	1.02	0.0030	1.000	0	102	85	115				
Cadmium	1.03	0.0030	1.000	0	103	85	115				
Chromium	1.03	0.0030	1.000	0	103	85	115				
Cobalt	1.00	0.0030	1.000	0	100	85	115				
Copper	1.06	0.0050	1.000	0	106	85	115				
Lead	1.03	0.0050	1.000	0	103	85	115				
Molybdenum	1.05	0.0050	1.000	0	105	85	115				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
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H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 084278
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_W

Sample ID: **LCS-27975** SampType: **LCS** TestCode: **6010_W** Units: **mg/L** Prep Date: **5/10/2006** RunNo: **63208**
Client ID: **LCSW** Batch ID: **27975** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **5/11/2006** SeqNo: **935039**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	1.01	0.0050	1.000	0	101	85	115				
Selenium	1.01	0.010	1.000	0	101	85	115				
Silver	1.04	0.0030	1.000	0	104	85	115				
Thallium	1.04	0.015	1.000	0	104	85	115				
Vanadium	1.04	0.0030	1.000	0	104	85	115				
Zinc	1.02	0.010	1.000	0	102	85	115				

Sample ID: **084288-056ADUP** SampType: **DUP** TestCode: **6010_W** Units: **mg/L** Prep Date: **5/10/2006** RunNo: **63208**
Client ID: **ZZZZZZ** Batch ID: **27975** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **5/12/2006** SeqNo: **935860**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.00	0.0050						0	0	20	
Arsenic	0.00	0.010						0	0	20	
Barium	0.00	0.0030						0	0	20	
Beryllium	0.00	0.0030						0	0	20	
Cadmium	0.00	0.0030						0	0	20	
Chromium	0.00	0.0030						0	0	20	
Cobalt	0.00	0.0030						0	0	20	
Copper	0.00	0.0050						0	0	20	
Lead	0.00	0.0050						0	0	20	
Molybdenum	0.00	0.0050						0	0	20	
Nickel	0.00	0.0050						0	0	20	
Selenium	0.00	0.010						0	0	20	
Silver	0.00	0.0030						0	0	20	
Thallium	0.00	0.015						0	0	20	
Vanadium	0.00	0.0030						0	0	20	
Zinc	0.00	0.010						0.004806	0	20	

Qualifiers:
E Value above quantitation range
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H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_W

Sample ID: **084288-056AMS** SampType: **MS** TestCode: **6010_W** Units: **mg/L** Prep Date: **5/10/2006** RunNo: **63208**
Client ID: **ZZZZZZ** Batch ID: **27975** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **5/12/2006** SeqNo: **935861**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	2.45	0.0050	2.500	0	97.8	79	120				
Arsenic	2.36	0.010	2.500	0	94.4	77	122				
Barium	2.44	0.0030	2.500	0	97.7	65	130				
Beryllium	2.39	0.0030	2.500	0	95.7	85	114				
Cadmium	2.41	0.0030	2.500	0	96.6	81	119				
Chromium	2.44	0.0030	2.500	0	97.4	80	118				
Cobalt	2.46	0.0030	2.500	0	98.2	67	132				
Copper	2.49	0.0050	2.500	0	99.6	84	122				
Lead	2.41	0.0050	2.500	0	96.4	78	118				
Molybdenum	2.48	0.0050	2.500	0	99.4	86	116				
Nickel	2.44	0.0050	2.500	0	97.8	75	123				
Selenium	2.42	0.010	2.500	0	96.8	70	126				
Silver	2.40	0.0030	2.500	0	95.9	56	140				
Thallium	2.43	0.015	2.500	0	97.4	77	114				
Vanadium	2.44	0.0030	2.500	0	97.8	77	123				
Zinc	2.42	0.010	2.500	0.004806	96.8	70	127				

Sample ID: **084288-056AMSD** SampType: **MSD** TestCode: **6010_W** Units: **mg/L** Prep Date: **5/10/2006** RunNo: **63208**
Client ID: **ZZZZZZ** Batch ID: **27975** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **5/12/2006** SeqNo: **935862**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	2.52	0.0050	2.500	0	101	79	120	2.446	3.06	20	
Arsenic	2.44	0.010	2.500	0	97.4	77	122	2.360	3.13	20	
Barium	2.49	0.0030	2.500	0	99.5	65	130	2.442	1.83	20	
Beryllium	2.44	0.0030	2.500	0	97.5	85	114	2.392	1.85	20	
Cadmium	2.47	0.0030	2.500	0	98.7	81	119	2.414	2.13	20	
Chromium	2.47	0.0030	2.500	0	99.0	80	118	2.435	1.61	20	
Cobalt	2.50	0.0030	2.500	0	100	67	132	2.455	1.92	20	
Copper	2.53	0.0050	2.500	0	101	84	122	2.489	1.80	20	
Lead	2.48	0.0050	2.500	0	99.2	78	118	2.410	2.88	20	
Molybdenum	2.56	0.0050	2.500	0	102	86	116	2.485	3.05	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_W

Sample ID: **084288-056AMSD** SampType: **MSD** TestCode: **6010_W** Units: **mg/L** Prep Date: **5/10/2006** RunNo: **63208**
Client ID: **ZZZZZZ** Batch ID: **27975** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **5/12/2006** SeqNo: **935862**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	2.49	0.0050	2.500	0	99.5	75	123	2.445	1.70	20	
Selenium	2.49	0.010	2.500	0	99.6	70	126	2.419	2.88	20	
Silver	2.44	0.0030	2.500	0	97.5	56	140	2.398	1.67	20	
Thallium	2.49	0.015	2.500	0	99.8	77	114	2.434	2.47	20	
Vanadium	2.49	0.0030	2.500	0	99.4	77	123	2.444	1.70	20	
Zinc	2.48	0.010	2.500	0.004806	99.2	70	127	2.424	2.48	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7470_W

Sample ID: 084278-010F-DUP	SampType: DUP	TestCode: 7470_W	Units: µg/L	Prep Date: 5/10/2006	RunNo: 63219
Client ID: NM03-B8-Equip	Batch ID: 27974	TestNo: EPA 7470A	EPA 7470	Analysis Date: 5/11/2006	SeqNo: 935174

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00	0.20						0	0	20	

Sample ID: 084278-010F-MS	SampType: MS	TestCode: 7470_W	Units: µg/L	Prep Date: 5/10/2006	RunNo: 63219
Client ID: NM03-B8-Equip	Batch ID: 27974	TestNo: EPA 7470A	EPA 7470	Analysis Date: 5/11/2006	SeqNo: 935175

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	26.88	0.20	25.00	0	108	70	130				

Sample ID: 084278-010F-MSD	SampType: MSD	TestCode: 7470_W	Units: µg/L	Prep Date: 5/10/2006	RunNo: 63219
Client ID: NM03-B8-Equip	Batch ID: 27974	TestNo: EPA 7470A	EPA 7470	Analysis Date: 5/11/2006	SeqNo: 935176

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	27.06	0.20	25.00	0	108	70	130	26.88	0.654	20	

Sample ID: LCS-27974	SampType: LCS	TestCode: 7470_W	Units: µg/L	Prep Date: 5/10/2006	RunNo: 63219
Client ID: LCSW	Batch ID: 27974	TestNo: EPA 7470A	EPA 7470	Analysis Date: 5/11/2006	SeqNo: 935178

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	26.94	0.20	25.00	0	108	85	115				

Sample ID: MB-27974	SampType: MBLK	TestCode: 7470_W	Units: µg/L	Prep Date: 5/10/2006	RunNo: 63219
Client ID: PBW	Batch ID: 27974	TestNo: EPA 7470A	EPA 7470	Analysis Date: 5/11/2006	SeqNo: 935179

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00	0.20									

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interferenc	DO	Surrogate Diluted Out
	Calculations are based on raw values				

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CLIENT: Ninyo & Moore
Work Order: 084278
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **084357-001A-DUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **5/11/2006** RunNo: **63273**
Client ID: **ZZZZZZ** Batch ID: **27993** TestNo: **EPA 7471A** **EPA 7471** Analysis Date: **5/12/2006** SeqNo: **935835**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00	0.10						0	0	20	

Sample ID: **084357-001A-MS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **5/11/2006** RunNo: **63273**
Client ID: **ZZZZZZ** Batch ID: **27993** TestNo: **EPA 7471A** **EPA 7471** Analysis Date: **5/12/2006** SeqNo: **935836**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.10	0.10	0.8300	0	133	52	163				

Sample ID: **084357-001A-MSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **5/11/2006** RunNo: **63273**
Client ID: **ZZZZZZ** Batch ID: **27993** TestNo: **EPA 7471A** **EPA 7471** Analysis Date: **5/12/2006** SeqNo: **935837**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.14	0.10	0.8300	0	137	52	163	1.104	3.07	20	

Sample ID: **LCS-27993** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **5/11/2006** RunNo: **63273**
Client ID: **LCSS** Batch ID: **27993** TestNo: **EPA 7471A** **EPA 7471** Analysis Date: **5/12/2006** SeqNo: **935838**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.47	0.10	2.080	0	119	80	120				

Sample ID: **MB-27993** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **5/11/2006** RunNo: **63273**
Client ID: **PBS** Batch ID: **27993** TestNo: **EPA 7471A** **EPA 7471** Analysis Date: **5/12/2006** SeqNo: **935839**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00	0.10									

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interferenc	DO	Surrogate Diluted Out
	Calculations are based on raw values				

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CLIENT: Ninyo & Moore
Work Order: 084278
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DSL H

Sample ID: **MB-27982** SampType: **MBLK** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **5/11/2006** RunNo: **63244**
Client ID: **PBS** Batch ID: **27982** TestNo: **EPA 8015B(M LUFT** Analysis Date: **5/11/2006** SeqNo: **935543**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.00	10									
Surr: p-Terphenyl	66.38		80.00		83.0	56	131				

Sample ID: **LCS-27982** SampType: **LCS** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **5/11/2006** RunNo: **63244**
Client ID: **LCSS** Batch ID: **27982** TestNo: **EPA 8015B(M LUFT** Analysis Date: **5/11/2006** SeqNo: **935544**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1040.76	10	1000	0	104	67	131				
Surr: p-Terphenyl	89.55		80.00		112	56	131				

Sample ID: **084278-003AMS** SampType: **MS** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **5/11/2006** RunNo: **63244**
Client ID: **NM03-B8-5.5** Batch ID: **27982** TestNo: **EPA 8015B(M LUFT** Analysis Date: **5/11/2006** SeqNo: **935545**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1103.22	10	1000	0	110	49	140				
Surr: p-Terphenyl	91.80		80.00		115	56	131				

Sample ID: **084278-003AMSD** SampType: **MSD** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **5/11/2006** RunNo: **63244**
Client ID: **NM03-B8-5.5** Batch ID: **27982** TestNo: **EPA 8015B(M LUFT** Analysis Date: **5/11/2006** SeqNo: **935546**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	969.72	10	1000	0	97.0	49	140	1103	12.9	30	
Surr: p-Terphenyl	78.64		80.00		98.3	56	131		0	30	

Sample ID: **084278-003ADUP** SampType: **DUP** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **5/11/2006** RunNo: **63244**
Client ID: **NM03-B8-5.5** Batch ID: **27982** TestNo: **EPA 8015B(M LUFT** Analysis Date: **5/11/2006** SeqNo: **935547**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.00	10						0	0	30	
Surr: p-Terphenyl	74.52		80.00		93.1	56	131		0	0	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DSL H

Sample ID: **MB-27982** SampType: **MBLK** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **5/11/2006** RunNo: **63244**
Client ID: **PBS** Batch ID: **27982** TestNo: **EPA 8015B(M LUFT** Analysis Date: **5/12/2006** SeqNo: **935877**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.00	10									
Surr: p-Terphenyl	79.32		80.00		99.2	56	131				

Sample ID: **LCS-27982** SampType: **LCS** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **5/11/2006** RunNo: **63244**
Client ID: **LCSS** Batch ID: **27982** TestNo: **EPA 8015B(M LUFT** Analysis Date: **5/12/2006** SeqNo: **935878**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1100.81	10	1000	0	110	67	131				
Surr: p-Terphenyl	99.74		80.00		125	56	131				

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interferenc	DO	Surrogate Diluted Out
	Calculations are based on raw values				

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Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID: **E050906MB1** SampType: **MBLK** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **63135**
Client ID: **PBS** Batch ID: **E06VS099** TestNo: **EPA 8015B(M** Analysis Date: **5/9/2006** SeqNo: **933972**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.00	1.0									
Surr: Bromofluorobenzene (FID)	91.24		100.0		91.2	42	138				

Sample ID: **084278-004AMS** SampType: **MS** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **63135**
Client ID: **NM03-B8-10.5** Batch ID: **E06VS099** TestNo: **EPA 8015B(M** Analysis Date: **5/9/2006** SeqNo: **933975**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.41	1.0	5.000	0	8.22	34	140				S
Surr: Bromofluorobenzene (FID)	17.89		100.0		17.9	42	138				S

Sample ID: **084278-004AMSD** SampType: **MSD** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **63135**
Client ID: **NM03-B8-10.5** Batch ID: **E06VS099** TestNo: **EPA 8015B(M** Analysis Date: **5/9/2006** SeqNo: **933976**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.00	1.0	5.000	0	0	34	140	0.4110	0	30	S
Surr: Bromofluorobenzene (FID)	0.17		100.0		0.169	42	138		0	30	S

Sample ID: **084278-005A** SampType: **DUP** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **63135**
Client ID: **NM03-B8-12** Batch ID: **E06VS099** TestNo: **EPA 8015B(M** Analysis Date: **5/9/2006** SeqNo: **933979**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.00	1.0						0	0	30	
Surr: Bromofluorobenzene (FID)	90.51		100.0		90.5	42	138		0	0	

Sample ID: **E050906LCS2** SampType: **LCS** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **63135**
Client ID: **LCSS** Batch ID: **E06VS099** TestNo: **EPA 8015B(M** Analysis Date: **5/9/2006** SeqNo: **933980**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.28	1.0	5.000	0	85.7	78	122				
Surr: Bromofluorobenzene (FID)	98.91		100.0		98.9	42	138				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_DSL H

Sample ID: **MB-27913** SampType: **MBLK** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **5/8/2006** RunNo: **63158**
Client ID: **PBW** Batch ID: **27913** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **5/9/2006** SeqNo: **934374**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.00	0.20									
Surr: p-Terphenyl	0.06		0.08000		78.1	32	125				

Sample ID: **LCS-27913** SampType: **LCS** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **5/8/2006** RunNo: **63158**
Client ID: **LCSW** Batch ID: **27913** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **5/9/2006** SeqNo: **934375**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.86	0.20	1.000	0	85.7	60	130				
Surr: p-Terphenyl	0.07		0.08000		89.3	32	125				

Sample ID: **MB-27913** SampType: **MS** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **5/8/2006** RunNo: **63158**
Client ID: **ZZZZZZ** Batch ID: **27913** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **5/9/2006** SeqNo: **934376**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.87	0.20	1.000	0	87.1	60	130				
Surr: p-Terphenyl	0.07		0.08000		83.8	32	125				

Sample ID: **MB-27913** SampType: **MSD** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **5/8/2006** RunNo: **63158**
Client ID: **ZZZZZZ** Batch ID: **27913** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **5/9/2006** SeqNo: **934377**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.90	0.20	1.000	0	90.1	60	130	0.8714	3.30	40	
Surr: p-Terphenyl	0.07		0.08000		84.4	32	125		0	0	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_G PRES

Sample ID: **I051006LCS2** SampType: **LCS** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **63153**
Client ID: **LCSW** Batch ID: **I06VW119** TestNo: **EPA 8015B(M** Analysis Date: **5/10/2006** SeqNo: **934645**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.98	0.20	1.000	0	98.4	71	122				
Surr: Bromofluorobenzene (FID)	111.24		100.0		111	76	125				

Sample ID: **I051006MB2MS** SampType: **MS** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **63153**
Client ID: **ZZZZZZ** Batch ID: **I06VW119** TestNo: **EPA 8015B(M** Analysis Date: **5/10/2006** SeqNo: **934647**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.91	0.20	1.000	0	91.0	71	122				
Surr: Bromofluorobenzene (FID)	115.39		100.0		115	76	125				

Sample ID: **I051006MB2MSD** SampType: **MSD** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **63153**
Client ID: **ZZZZZZ** Batch ID: **I06VW119** TestNo: **EPA 8015B(M** Analysis Date: **5/10/2006** SeqNo: **934648**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.87	0.20	1.000	0	86.7	71	122	0.9100	4.84	30	
Surr: Bromofluorobenzene (FID)	112.97		100.0		113	76	125		0	0	

Sample ID: **I051006MB2** SampType: **MBLK** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **63153**
Client ID: **PBW** Batch ID: **I06VW119** TestNo: **EPA 8015B(M** Analysis Date: **5/10/2006** SeqNo: **934649**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.00	0.20									
Surr: Bromofluorobenzene (FID)	105.06		100.0		105	76	125				

Sample ID: **084278-009B** SampType: **DUP** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **63153**
Client ID: **NM03-B8-GW** Batch ID: **I06VW119** TestNo: **EPA 8015B(M** Analysis Date: **5/10/2006** SeqNo: **934652**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.15	0.20						0.1520	0	30	
Surr: Bromofluorobenzene (FID)	103.38		100.0		103	76	125		0	0	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
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H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_S

Sample ID: **MB-27937** SampType: **MBLK** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **5/9/2006** RunNo: **63138**
Client ID: **PBS** Batch ID: **27937** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **5/9/2006** SeqNo: **934024**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.00	16									
Aroclor 1221	0.00	33									
Aroclor 1232	0.00	16									
Aroclor 1242	0.00	16									
Aroclor 1248	0.00	16									
Aroclor 1254	0.00	16									
Aroclor 1260	0.00	16									
Aroclor 1262	0.00	16									
Aroclor 1268	0.00	16									
Surr: Decachlorobiphenyl	14.95		16.65		89.8	44	132				
Surr: Tetrachloro-m-xylene	16.59		16.65		99.6	63	130				

Sample ID: **084278-005AMSDA** SampType: **MSD** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **5/9/2006** RunNo: **63138**
Client ID: **NM03-B8-12** Batch ID: **27937** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **5/10/2006** SeqNo: **934025**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	161.35	16	166.6	0	96.8	70	112	157.6	2.37	30	
Aroclor 1260	163.91	16	166.6	0	98.4	68	118	159.5	2.73	30	
Surr: Decachlorobiphenyl	15.54		16.65		93.3	44	132		0	0	
Surr: Tetrachloro-m-xylene	18.39		16.65		110	63	130		0	0	

Sample ID: **LCS-27937** SampType: **LCS** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **5/9/2006** RunNo: **63138**
Client ID: **LCSS** Batch ID: **27937** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **5/10/2006** SeqNo: **934028**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	148.74	16	166.6	0	89.3	77	106				
Aroclor 1260	156.18	16	166.6	0	93.7	78	114				
Surr: Decachlorobiphenyl	14.20		16.65		85.3	44	132				
Surr: Tetrachloro-m-xylene	15.81		16.65		95.0	63	130				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_S

Sample ID: **084278-005AMSA** SampType: **MS** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **5/9/2006** RunNo: **63138**
Client ID: **NM03-B8-12** Batch ID: **27937** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **5/10/2006** SeqNo: **934029**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	157.57	16	166.6	0	94.6	70	112				
Aroclor 1260	159.49	16	166.6	0	95.7	68	118				
Surr: Decachlorobiphenyl	15.25		16.65		91.6	44	132				
Surr: Tetrachloro-m-xylene	17.89		16.65		107	63	130				

Sample ID: **MB-27937** SampType: **MBLK** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **5/9/2006** RunNo: **63138**
Client ID: **PBS** Batch ID: **27937** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **5/10/2006** SeqNo: **934460**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.00	16									
Aroclor 1221	0.00	33									
Aroclor 1232	0.00	16									
Aroclor 1242	0.00	16									
Aroclor 1248	0.00	16									
Aroclor 1254	0.00	16									
Aroclor 1260	0.00	16									
Aroclor 1262	0.00	16									
Aroclor 1268	0.00	16									
Surr: Decachlorobiphenyl	13.69		16.65		82.2	44	132				
Surr: Tetrachloro-m-xylene	17.75		16.65		107	63	130				

Sample ID: **LCS-27937** SampType: **LCS** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **5/9/2006** RunNo: **63138**
Client ID: **LCSS** Batch ID: **27937** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **5/10/2006** SeqNo: **934461**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	162.76	16	166.6	0	97.7	77	106				
Aroclor 1260	165.75	16	166.6	0	99.5	78	114				
Surr: Decachlorobiphenyl	13.56		16.65		81.5	44	132				
Surr: Tetrachloro-m-xylene	16.57		16.65		99.5	63	130				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_S

Sample ID: **084278-004ADUP** SampType: **DUP** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **5/9/2006** RunNo: **63138**
Client ID: **NM03-B8-10.5** Batch ID: **27937** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **5/10/2006** SeqNo: **934465**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.00	16						0	0	30	
Aroclor 1221	0.00	33						0	0	30	
Aroclor 1232	0.00	16						0	0	30	
Aroclor 1242	0.00	16						0	0	30	
Aroclor 1248	0.00	16						0	0	30	
Aroclor 1254	0.00	16						0	0	30	
Aroclor 1260	0.00	16						0	0	30	
Aroclor 1262	0.00	16						0	0	30	
Aroclor 1268	0.00	16						0	0	30	
Surr: Decachlorobiphenyl	13.19		16.65		79.2	44	132		0	30	
Surr: Tetrachloro-m-xylene	17.70		16.65		106	63	130		0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_W

Sample ID: **MB-27964** SampType: **MBLK** TestCode: **8082_W** Units: **µg/L** Prep Date: **5/10/2006** RunNo: **63193**
Client ID: **PBW** Batch ID: **27964** TestNo: **EPA 8082** **EPA 3510C** Analysis Date: **5/10/2006** SeqNo: **934869**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.00	0.50									
Aroclor 1221	0.00	1.0									
Aroclor 1232	0.00	0.50									
Aroclor 1242	0.00	0.50									
Aroclor 1248	0.00	0.50									
Aroclor 1254	0.00	0.50									
Aroclor 1260	0.00	0.50									
Aroclor 1262	0.00	0.50									
Aroclor 1268	0.00	0.50									
Surr: Decachlorobiphenyl	0.32		0.5000		63.8	20	130				
Surr: Tetrachloro-m-xylene	0.40		0.5000		80.6	40	145				

Sample ID: **LCS-27964** SampType: **LCS** TestCode: **8082_W** Units: **µg/L** Prep Date: **5/10/2006** RunNo: **63193**
Client ID: **LCSW** Batch ID: **27964** TestNo: **EPA 8082** **EPA 3510C** Analysis Date: **5/10/2006** SeqNo: **934870**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	4.22	0.50	5.000	0	84.4	73	106				
Aroclor 1260	3.89	0.50	5.000	0	77.8	73	105				
Surr: Decachlorobiphenyl	0.31		0.5000		62.3	20	130				
Surr: Tetrachloro-m-xylene	0.42		0.5000		84.7	40	145				

Sample ID: **MB-27964MS** SampType: **MS** TestCode: **8082_W** Units: **µg/L** Prep Date: **5/10/2006** RunNo: **63193**
Client ID: **ZZZZZZ** Batch ID: **27964** TestNo: **EPA 8082** **EPA 3510C** Analysis Date: **5/10/2006** SeqNo: **934871**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	3.99	0.50	5.000	0	79.9	73	106				
Aroclor 1260	3.74	0.50	5.000	0	74.8	73	105				
Surr: Decachlorobiphenyl	0.34		0.5000		68.2	20	130				
Surr: Tetrachloro-m-xylene	0.42		0.5000		83.8	40	145				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_W

Sample ID: **MB-27964MSD**	SampType: **MSD**	TestCode: **8082_W**	Units: **µg/L**	Prep Date: **5/10/2006**	RunNo: **63193**
Client ID: **ZZZZZZ**	Batch ID: **27964**	TestNo: **EPA 8082**	**EPA 3510C**	Analysis Date: **5/10/2006**	SeqNo: **934872**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	3.94	0.50	5.000	0	78.8	73	106	3.993	1.34	30	
Aroclor 1260	3.65	0.50	5.000	0	73.1	73	105	3.739	2.34	30	
Surr: Decachlorobiphenyl	0.40		0.5000		80.1	20	130		0	0	
Surr: Tetrachloro-m-xylene	0.40		0.5000		79.6	40	145		0	0	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interferenc	DO	Surrogate Diluted Out
	Calculations are based on raw values				

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CLIENT: Ninyo & Moore
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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **P060509LC1** SampType: **LCS** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **63117**
Client ID: **LCSS** Batch ID: **P06VS085** TestNo: **EPA 8260B** Analysis Date: **5/9/2006** SeqNo: **933640**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	105.07	5.0	100.0	0	105	76	126				
Benzene	114.63	5.0	100.0	0	115	77	131				
Chlorobenzene	120.20	5.0	100.0	0	120	81	136				
Toluene	114.68	5.0	100.0	1.800	113	78	129				
Trichloroethene	119.15	5.0	100.0	0	119	78	136				
Surr: 1,2-Dichloroethane-d4	46.08		50.00		92.2	58	138				
Surr: 4-Bromofluorobenzene	50.46		50.00		101	74	130				
Surr: Dibromofluoromethane	46.82		50.00		93.6	58	135				
Surr: Toluene-d8	51.92		50.00		104	84	130				

Sample ID: **P060509MB2MS** SampType: **MS** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **63117**
Client ID: **ZZZZZZ** Batch ID: **P06VS085** TestNo: **EPA 8260B** Analysis Date: **5/9/2006** SeqNo: **933641**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	103.39	5.0	100.0	0	103	59	146				
Benzene	112.03	5.0	100.0	0	112	68	137				
Chlorobenzene	120.02	5.0	100.0	0	120	64	144				
Toluene	111.01	5.0	100.0	1.800	109	53	150				
Trichloroethene	117.63	5.0	100.0	0	118	58	155				
Surr: 1,2-Dichloroethane-d4	47.20		50.00		94.4	58	138				
Surr: 4-Bromofluorobenzene	51.55		50.00		103	74	130				
Surr: Dibromofluoromethane	47.46		50.00		94.9	58	135				
Surr: Toluene-d8	51.47		50.00		103	84	130				

Sample ID: **P060509MB2MSD** SampType: **MSD** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **63117**
Client ID: **ZZZZZZ** Batch ID: **P06VS085** TestNo: **EPA 8260B** Analysis Date: **5/9/2006** SeqNo: **933642**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	100.00	5.0	100.0	0	100	59	146	103.4	3.33	30	
Benzene	112.42	5.0	100.0	0	112	68	137	112.0	0.348	30	
Chlorobenzene	118.39	5.0	100.0	0	118	64	144	120.0	1.37	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 084278
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **P060509MB2MSD** SampType: **MSD** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **63117**
Client ID: **ZZZZZZ** Batch ID: **P06VS085** TestNo: **EPA 8260B** Analysis Date: **5/9/2006** SeqNo: **933642**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	111.36	5.0	100.0	1.800	110	53	150	111.0	0.315	30	
Trichloroethene	116.49	5.0	100.0	0	116	58	155	117.6	0.974	30	
Surr: 1,2-Dichloroethane-d4	47.70		50.00		95.4	58	138		0	30	
Surr: 4-Bromofluorobenzene	51.19		50.00		102	74	130		0	30	
Surr: Dibromofluoromethane	47.01		50.00		94.0	58	135		0	30	
Surr: Toluene-d8	52.17		50.00		104	84	130		0	30	

Sample ID: **P060509MB2** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **63117**
Client ID: **PBS** Batch ID: **P06VS085** TestNo: **EPA 8260B** Analysis Date: **5/9/2006** SeqNo: **933643**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	0.00	5.0									
1,1,1-Trichloroethane	0.00	5.0									
1,1,2,2-Tetrachloroethane	0.00	5.0									
1,1,2-Trichloroethane	0.00	5.0									
1,1-Dichloroethane	0.00	5.0									
1,1-Dichloroethene	0.00	5.0									
1,1-Dichloropropene	0.00	5.0									
1,2,3-Trichlorobenzene	0.00	5.0									
1,2,3-Trichloropropane	0.00	5.0									
1,2,4-Trichlorobenzene	0.00	5.0									
1,2,4-Trimethylbenzene	0.00	5.0									
1,2-Dibromo-3-chloropropane	0.00	10									
1,2-Dibromoethane	0.00	5.0									
1,2-Dichlorobenzene	0.00	5.0									
1,2-Dichloroethane	0.00	5.0									
1,2-Dichloropropane	0.00	5.0									
1,3,5-Trimethylbenzene	0.00	5.0									
1,3-Dichlorobenzene	0.00	5.0									
1,3-Dichloropropane	0.00	5.0									
1,4-Dichlorobenzene	0.00	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
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CLIENT: Ninyo & Moore
Work Order: 084278
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **P060509MB2** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **63117**
Client ID: **PBS** Batch ID: **P06VS085** TestNo: **EPA 8260B** Analysis Date: **5/9/2006** SeqNo: **933643**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,2-Dichloropropane	0.00	5.0									
2-Chlorotoluene	0.00	5.0									
4-Chlorotoluene	0.00	5.0									
4-Isopropyltoluene	0.00	5.0									
Benzene	0.00	5.0									
Bromobenzene	0.00	5.0									
Bromodichloromethane	0.00	5.0									
Bromoform	0.00	5.0									
Bromomethane	0.00	5.0									
Carbon tetrachloride	0.00	5.0									
Chlorobenzene	0.00	5.0									
Chloroethane	0.00	5.0									
Chloroform	0.00	5.0									
Chloromethane	0.00	5.0									
cis-1,2-Dichloroethene	0.00	5.0									
cis-1,3-Dichloropropene	0.00	5.0									
Dibromochloromethane	0.00	5.0									
Dibromomethane	0.00	5.0									
Dichlorodifluoromethane	0.00	5.0									
Ethylbenzene	0.00	5.0									
Hexachlorobutadiene	0.00	5.0									
Isopropylbenzene	0.00	5.0									
m,p-Xylene	0.00	10									
Methylene chloride	0.00	5.0									
n-Butylbenzene	0.00	5.0									
n-Propylbenzene	0.00	5.0									
Naphthalene	0.00	5.0									
o-Xylene	0.00	5.0									
sec-Butylbenzene	0.00	5.0									
Styrene	0.00	5.0									
tert-Butylbenzene	0.00	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 084278
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **P060509MB2** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **63117**
Client ID: **PBS** Batch ID: **P06VS085** TestNo: **EPA 8260B** Analysis Date: **5/9/2006** SeqNo: **933643**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	0.00	5.0									
Toluene	1.80	5.0									
trans-1,2-Dichloroethene	0.00	5.0									
Trichloroethene	0.00	5.0									
Trichlorofluoromethane	0.00	5.0									
Vinyl chloride	0.00	5.0									
Surr: 1,2-Dichloroethane-d4	47.12		50.00		94.2	58	138				
Surr: 4-Bromofluorobenzene	50.28		50.00		101	74	130				
Surr: Dibromofluoromethane	47.11		50.00		94.2	58	135				
Surr: Toluene-d8	52.05		50.00		104	84	130				

Sample ID: **084278-005ADUP** SampType: **DUP** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **63117**
Client ID: **NM03-B8-12** Batch ID: **P06VS085** TestNo: **EPA 8260B** Analysis Date: **5/9/2006** SeqNo: **933986**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	0.00	5.0						0	0	30	
1,1,1-Trichloroethane	0.00	5.0						0	0	30	
1,1,2,2-Tetrachloroethane	0.00	5.0						0	0	30	
1,1,2-Trichloroethane	0.00	5.0						0	0	30	
1,1-Dichloroethane	0.00	5.0						0	0	30	
1,1-Dichloroethene	0.00	5.0						0	0	30	
1,1-Dichloropropene	0.00	5.0						0	0	30	
1,2,3-Trichlorobenzene	0.00	5.0						0	0	30	
1,2,3-Trichloropropane	0.00	5.0						0	0	30	
1,2,4-Trichlorobenzene	0.00	5.0						0	0	30	
1,2,4-Trimethylbenzene	0.00	5.0						0	0	30	
1,2-Dibromo-3-chloropropane	0.00	10						0	0	30	
1,2-Dibromoethane	0.00	5.0						0	0	30	
1,2-Dichlorobenzene	0.00	5.0						0	0	30	
1,2-Dichloroethane	0.00	5.0						0	0	30	
1,2-Dichloropropane	0.00	5.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
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CLIENT: Ninyo & Moore
Work Order: 084278
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **084278-005ADUP** SampType: **DUP** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **63117**
Client ID: **NM03-B8-12** Batch ID: **P06VS085** TestNo: **EPA 8260B** Analysis Date: **5/9/2006** SeqNo: **933986**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trimethylbenzene	0.00	5.0						0	0	30	
1,3-Dichlorobenzene	0.00	5.0						0	0	30	
1,3-Dichloropropane	0.00	5.0						0	0	30	
1,4-Dichlorobenzene	0.00	5.0						0	0	30	
2,2-Dichloropropane	0.00	5.0						0	0	30	
2-Chlorotoluene	0.00	5.0						0	0	30	
4-Chlorotoluene	0.00	5.0						0	0	30	
4-Isopropyltoluene	0.00	5.0						0	0	30	
Benzene	0.00	5.0						0	0	30	
Bromobenzene	0.00	5.0						0	0	30	
Bromodichloromethane	0.00	5.0						0	0	30	
Bromoform	0.00	5.0						0	0	30	
Bromomethane	0.00	5.0						0	0	30	
Carbon tetrachloride	0.00	5.0						0	0	30	
Chlorobenzene	0.00	5.0						0	0	30	
Chloroethane	0.00	5.0						0	0	30	
Chloroform	0.00	5.0						0	0	30	
Chloromethane	0.00	5.0						0	0	30	
cis-1,2-Dichloroethene	0.00	5.0						0	0	30	
cis-1,3-Dichloropropene	0.00	5.0						0	0	30	
Dibromochloromethane	0.00	5.0						0	0	30	
Dibromomethane	0.00	5.0						0	0	30	
Dichlorodifluoromethane	0.00	5.0						0	0	30	
Ethylbenzene	0.00	5.0						0	0	30	
Hexachlorobutadiene	0.00	5.0						0	0	30	
Isopropylbenzene	0.00	5.0						0	0	30	
m,p-Xylene	0.00	10						0	0	30	
Methylene chloride	0.00	5.0						0	0	30	
n-Butylbenzene	0.00	5.0						0	0	30	
n-Propylbenzene	0.00	5.0						0	0	30	
Naphthalene	0.00	5.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
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CLIENT: Ninyo & Moore
Work Order: 084278
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **084278-005ADUP** SampType: **DUP** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **63117**
Client ID: **NM03-B8-12** Batch ID: **P06VS085** TestNo: **EPA 8260B** Analysis Date: **5/9/2006** SeqNo: **933986**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene	0.00	5.0						0	0	30	
sec-Butylbenzene	0.00	5.0						0	0	30	
Styrene	0.00	5.0						0	0	30	
tert-Butylbenzene	0.00	5.0						0	0	30	
Tetrachloroethene	0.00	5.0						0	0	30	
Toluene	0.00	5.0						0	0	30	
trans-1,2-Dichloroethene	0.00	5.0						0	0	30	
Trichloroethene	0.00	5.0						0	0	30	
Trichlorofluoromethane	0.00	5.0						0	0	30	
Vinyl chloride	0.00	5.0						0	0	30	
Surr: 1,2-Dichloroethane-d4	47.51		50.00		95.0	58	138		0	30	
Surr: 4-Bromofluorobenzene	50.20		50.00		100	74	130		0	30	
Surr: Dibromofluoromethane	47.83		50.00		95.7	58	135		0	30	
Surr: Toluene-d8	51.37		50.00		103	84	130		0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 084278
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **Q050906LC1** SampType: **LCS** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **63146**
Client ID: **LCSW** Batch ID: **Q06VW085** TestNo: **EPA 8260B** Analysis Date: **5/9/2006** SeqNo: **934150**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	20.83	5.0	20.00	0	104	76	132				
Benzene	19.75	5.0	20.00	0	98.8	90	123				
Chlorobenzene	20.29	5.0	20.00	0	101	76	118				
Toluene	20.01	5.0	20.00	0	100	91	124				
Trichloroethene	20.17	5.0	20.00	0	101	87	125				
Surr: 1,2-Dichloroethane-d4	45.61		50.00		91.2	70	126				
Surr: 4-Bromofluorobenzene	57.70		50.00		115	63	134				
Surr: Dibromofluoromethane	49.46		50.00		98.9	73	124				
Surr: Toluene-d8	54.30		50.00		109	84	123				

Sample ID: **Q050906MB1MS** SampType: **MS** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **63146**
Client ID: **ZZZZZZ** Batch ID: **Q06VW085** TestNo: **EPA 8260B** Analysis Date: **5/9/2006** SeqNo: **934151**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	20.27	5.0	20.00	0	101	76	132				
Benzene	20.20	5.0	20.00	0	101	90	123				
Chlorobenzene	20.48	5.0	20.00	0	102	76	118				
Toluene	20.45	5.0	20.00	0	102	91	124				
Trichloroethene	21.14	5.0	20.00	0	106	87	125				
Surr: 1,2-Dichloroethane-d4	45.54		50.00		91.1	70	126				
Surr: 4-Bromofluorobenzene	57.73		50.00		115	63	134				
Surr: Dibromofluoromethane	49.22		50.00		98.4	73	124				
Surr: Toluene-d8	54.65		50.00		109	84	123				

Sample ID: **Q050906MB1MSD** SampType: **MSD** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **63146**
Client ID: **ZZZZZZ** Batch ID: **Q06VW085** TestNo: **EPA 8260B** Analysis Date: **5/9/2006** SeqNo: **934152**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	19.60	5.0	20.00	0	98.0	76	132	20.27	3.36	30	
Benzene	19.70	5.0	20.00	0	98.5	90	123	20.20	2.51	30	
Chlorobenzene	20.32	5.0	20.00	0	102	76	118	20.48	0.784	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 084278
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **Q050906MB1MSD** SampType: **MSD** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **63146**
Client ID: **ZZZZZZ** Batch ID: **Q06VW085** TestNo: **EPA 8260B** Analysis Date: **5/9/2006** SeqNo: **934152**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	20.30	5.0	20.00	0	102	91	124	20.45	0.736	30	
Trichloroethene	20.87	5.0	20.00	0	104	87	125	21.14	1.29	30	
Surr: 1,2-Dichloroethane-d4	45.81		50.00		91.6	70	126		0	30	
Surr: 4-Bromofluorobenzene	56.39		50.00		113	63	134		0	30	
Surr: Dibromofluoromethane	49.15		50.00		98.3	73	124		0	30	
Surr: Toluene-d8	54.31		50.00		109	84	123		0	30	

Sample ID: **Q050906MB1** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **63146**
Client ID: **PBW** Batch ID: **Q06VW085** TestNo: **EPA 8260B** Analysis Date: **5/9/2006** SeqNo: **934153**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	0.00	5.0									
1,1,1-Trichloroethane	0.00	5.0									
1,1,2,2-Tetrachloroethane	0.00	5.0									
1,1,2-Trichloroethane	0.00	5.0									
1,1-Dichloroethane	0.00	5.0									
1,1-Dichloroethene	0.00	5.0									
1,1-Dichloropropene	0.00	5.0									
1,2,3-Trichlorobenzene	0.00	5.0									
1,2,3-Trichloropropane	0.00	5.0									
1,2,4-Trichlorobenzene	0.00	5.0									
1,2,4-Trimethylbenzene	0.00	5.0									
1,2-Dibromo-3-chloropropane	0.00	5.0									
1,2-Dibromoethane	0.00	5.0									
1,2-Dichlorobenzene	0.00	5.0									
1,2-Dichloroethane	0.00	5.0									
1,2-Dichloropropane	0.00	5.0									
1,3,5-Trimethylbenzene	0.00	5.0									
1,3-Dichlorobenzene	0.00	5.0									
1,3-Dichloropropane	0.00	5.0									
1,4-Dichlorobenzene	0.00	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 084278
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **Q050906MB1** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **63146**
Client ID: **PBW** Batch ID: **Q06VW085** TestNo: **EPA 8260B** Analysis Date: **5/9/2006** SeqNo: **934153**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,2-Dichloropropane	0.00	5.0									
2-Chlorotoluene	0.00	5.0									
4-Chlorotoluene	0.00	5.0									
4-Isopropyltoluene	0.00	5.0									
Benzene	0.00	5.0									
Bromobenzene	0.00	5.0									
Bromodichloromethane	0.00	5.0									
Bromoform	0.00	5.0									
Bromomethane	0.00	5.0									
Carbon tetrachloride	0.00	5.0									
Chlorobenzene	0.00	5.0									
Chloroethane	0.00	5.0									
Chloroform	0.00	5.0									
Chloromethane	0.00	5.0									
cis-1,2-Dichloroethene	0.00	5.0									
cis-1,3-Dichloropropene	0.00	5.0									
Dibromochloromethane	0.00	5.0									
Dibromomethane	0.00	5.0									
Dichlorodifluoromethane	0.00	5.0									
Ethylbenzene	0.00	5.0									
Hexachlorobutadiene	0.00	5.0									
Isopropylbenzene	0.00	5.0									
m,p-Xylene	0.00	10									
Methylene chloride	0.00	5.0									
n-Butylbenzene	0.00	5.0									
n-Propylbenzene	0.00	5.0									
Naphthalene	0.00	5.0									
o-Xylene	0.00	5.0									
sec-Butylbenzene	0.00	5.0									
Styrene	0.00	5.0									
tert-Butylbenzene	0.00	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 084278
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **Q050906MB1** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **63146**
Client ID: **PBW** Batch ID: **Q06VW085** TestNo: **EPA 8260B** Analysis Date: **5/9/2006** SeqNo: **934153**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	0.00	5.0									
Toluene	0.00	5.0									
trans-1,2-Dichloroethene	0.00	5.0									
Trichloroethene	0.00	5.0									
Trichlorofluoromethane	0.00	5.0									
Vinyl chloride	0.00	5.0									
Surr: 1,2-Dichloroethane-d4	44.83		50.00		89.7	70	126				
Surr: 4-Bromofluorobenzene	55.66		50.00		111	63	134				
Surr: Dibromofluoromethane	47.94		50.00		95.9	73	124				
Surr: Toluene-d8	54.35		50.00		109	84	123				

Sample ID: **084278-009ADUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **63146**
Client ID: **NM03-B8-GW** Batch ID: **Q06VW085** TestNo: **EPA 8260B** Analysis Date: **5/9/2006** SeqNo: **934157**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	0.00	5.0						0	0	30	
1,1,1-Trichloroethane	0.00	5.0						0	0	30	
1,1,2,2-Tetrachloroethane	0.00	5.0						0	0	30	
1,1,2-Trichloroethane	0.00	5.0						0	0	30	
1,1-Dichloroethane	0.00	5.0						0	0	30	
1,1-Dichloroethene	0.00	5.0						0	0	30	
1,1-Dichloropropene	0.00	5.0						0	0	30	
1,2,3-Trichlorobenzene	0.00	5.0						0	0	30	
1,2,3-Trichloropropane	0.00	5.0						0	0	30	
1,2,4-Trichlorobenzene	0.00	5.0						0	0	30	
1,2,4-Trimethylbenzene	0.00	5.0						0	0	30	
1,2-Dibromo-3-chloropropane	0.00	5.0						0	0	30	
1,2-Dibromoethane	0.00	5.0						0	0	30	
1,2-Dichlorobenzene	0.00	5.0						0	0	30	
1,2-Dichloroethane	0.00	5.0						0	0	30	
1,2-Dichloropropane	0.00	5.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 084278
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **084278-009ADUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **63146**
Client ID: **NM03-B8-GW** Batch ID: **Q06VW085** TestNo: **EPA 8260B** Analysis Date: **5/9/2006** SeqNo: **934157**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trimethylbenzene	0.00	5.0						0	0	30	
1,3-Dichlorobenzene	0.00	5.0						0	0	30	
1,3-Dichloropropane	0.00	5.0						0	0	30	
1,4-Dichlorobenzene	0.00	5.0						0	0	30	
2,2-Dichloropropane	0.00	5.0						0	0	30	
2-Chlorotoluene	0.00	5.0						0	0	30	
4-Chlorotoluene	0.00	5.0						0	0	30	
4-Isopropyltoluene	0.00	5.0						0	0	30	
Benzene	0.00	5.0						0	0	30	
Bromobenzene	0.00	5.0						0	0	30	
Bromodichloromethane	0.00	5.0						0	0	30	
Bromoform	0.00	5.0						0	0	30	
Bromomethane	0.00	5.0						0	0	30	
Carbon tetrachloride	0.00	5.0						0	0	30	
Chlorobenzene	0.00	5.0						0	0	30	
Chloroethane	0.00	5.0						0	0	30	
Chloroform	0.00	5.0						0	0	30	
Chloromethane	0.00	5.0						0	0	30	
cis-1,2-Dichloroethene	0.00	5.0						0	0	30	
Dibromochloromethane	0.00	5.0						0	0	30	
Dibromomethane	0.00	5.0						0	0	30	
Dichlorodifluoromethane	0.00	5.0						0	0	30	
Ethylbenzene	0.00	5.0						0	0	30	
Hexachlorobutadiene	0.00	5.0						0	0	30	
Isopropylbenzene	0.00	5.0						0	0	30	
m,p-Xylene	0.00	10						0	0	30	
Methylene chloride	0.00	5.0						0	0	30	
n-Butylbenzene	0.00	5.0						0	0	30	
n-Propylbenzene	0.00	5.0						0	0	30	
Naphthalene	0.00	5.0						0	0	30	
o-Xylene	0.00	5.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
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CLIENT: Ninyo & Moore
Work Order: 084278
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **084278-009ADUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **63146**
Client ID: **NM03-B8-GW** Batch ID: **Q06VW085** TestNo: **EPA 8260B** Analysis Date: **5/9/2006** SeqNo: **934157**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
sec-Butylbenzene	0.00	5.0						0	0	30	
Styrene	0.00	5.0						0	0	30	
tert-Butylbenzene	0.00	5.0						0	0	30	
Tetrachloroethene	0.00	5.0						0	0	30	
Toluene	0.00	5.0						0	0	30	
trans-1,2-Dichloroethene	0.00	5.0						0	0	30	
Trichloroethene	0.00	5.0						0	0	30	
Trichlorofluoromethane	0.00	5.0						0	0	30	
Vinyl chloride	0.00	5.0						0	0	30	
Surr: 1,2-Dichloroethane-d4	45.41		50.00		90.8	70	126		0	30	
Surr: 4-Bromofluorobenzene	55.19		50.00		110	63	134		0	30	
Surr: Dibromofluoromethane	48.01		50.00		96.0	73	124		0	30	
Surr: Toluene-d8	53.83		50.00		108	84	123		0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 084278
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **LCS-27983** SampType: **LCS** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **5/11/2006** RunNo: **63256**
Client ID: **LCSS** Batch ID: **27983** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **5/12/2006** SeqNo: **935670**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2571.67	330	3330	0	77.2	58	117				
1,4-Dichlorobenzene	2352.67	330	3330	0	70.7	56	100				
2,4-Dinitrotoluene	3539.67	330	3330	0	106	71	135				
2-Chlorophenol	2413.67	330	3330	0	72.5	66	107				
4-Chloro-3-methylphenol	2982.00	660	3330	0	89.5	74	128				
4-Nitrophenol	3209.67	1600	3330	0	96.4	54	133				
Acenaphthene	2865.67	330	3330	0	86.1	73	118				
N-Nitrosodi-n-propylamine	2853.00	330	3330	0	85.7	67	113				
Pentachlorophenol	3030.67	1600	3330	0	91.0	78	127				
Phenol	2598.33	330	3330	0	78.0	67	110				
Pyrene	3134.33	330	3330	0	94.1	74	127				
Surr: 1,2-Dichlorobenzene-d4	2444.00		3330		73.4	46	105				
Surr: 2,4,6-Tribromophenol	3135.33		3330		94.2	46	146				
Surr: 2-Chlorophenol-d4	2530.33		3330		76.0	48	117				
Surr: 2-Fluorobiphenyl	2634.67		3330		79.1	54	112				
Surr: 2-Fluorophenol	2523.67		3330		75.8	45	119				
Surr: 4-Terphenyl-d14	2805.33		3330		84.2	46	135				
Surr: Nitrobenzene-d5	2675.00		3330		80.3	40	116				
Surr: Phenol-d5	2670.33		3330		80.2	37	127				

Sample ID: **084278-003AMS** SampType: **MS** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **5/11/2006** RunNo: **63256**
Client ID: **NM03-B8-5.5** Batch ID: **27983** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **5/12/2006** SeqNo: **935671**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2224.67	330	3330	0	66.8	45	126				
1,4-Dichlorobenzene	2016.33	330	3330	0	60.6	41	110				
2,4-Dinitrotoluene	3475.33	330	3330	0	104	57	139				
2-Chlorophenol	2220.33	330	3330	0	66.7	52	117				
4-Chloro-3-methylphenol	2955.67	660	3330	0	88.8	63	135				
4-Nitrophenol	3197.67	1600	3330	0	96.0	48	137				
Acenaphthene	2604.67	330	3330	0	78.2	59	129				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
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CLIENT: Ninyo & Moore
Work Order: 084278
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **084278-003AMS** SampType: **MS** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **5/11/2006** RunNo: **63256**
Client ID: **NM03-B8-5.5** Batch ID: **27983** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **5/12/2006** SeqNo: **935671**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
N-Nitrosodi-n-propylamine	2644.67	330	3330	0	79.4	41	135				
Pentachlorophenol	2981.00	1600	3330	0	89.5	55	146				
Phenol	2441.33	330	3330	0	73.3	51	122				
Pyrene	3047.33	330	3330	0	91.5	58	138				
Surr: 1,2-Dichlorobenzene-d4	2097.67		3330		63.0	46	105				
Surr: 2,4,6-Tribromophenol	3084.67		3330		92.6	46	146				
Surr: 2-Chlorophenol-d4	2324.33		3330		69.8	48	117				
Surr: 2-Fluorobiphenyl	2337.67		3330		70.2	54	112				
Surr: 2-Fluorophenol	2302.00		3330		69.1	45	119				
Surr: 4-Terphenyl-d14	2699.67		3330		81.1	46	135				
Surr: Nitrobenzene-d5	2353.67		3330		70.7	40	116				
Surr: Phenol-d5	2504.33		3330		75.2	37	127				

Sample ID: **084278-003AMSD** SampType: **MSD** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **5/11/2006** RunNo: **63256**
Client ID: **NM03-B8-5.5** Batch ID: **27983** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **5/12/2006** SeqNo: **935672**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2450.67	330	3330	0	73.6	45	126	2225	9.67	30	
1,4-Dichlorobenzene	2218.67	330	3330	0	66.6	41	110	2016	9.56	30	
2,4-Dinitrotoluene	3518.33	330	3330	0	106	57	139	3475	1.23	30	
2-Chlorophenol	2388.67	330	3330	0	71.7	52	117	2220	7.30	30	
4-Chloro-3-methylphenol	3120.33	660	3330	0	93.7	63	135	2956	5.42	30	
4-Nitrophenol	3202.00	1600	3330	0	96.2	48	137	3198	0.135	30	
Acenaphthene	2852.00	330	3330	0	85.6	59	129	2605	9.07	30	
N-Nitrosodi-n-propylamine	2852.33	330	3330	0	85.7	41	135	2645	7.56	30	
Pentachlorophenol	3168.67	1600	3330	0	95.2	55	146	2981	6.10	30	
Phenol	2590.33	330	3330	0	77.8	51	122	2441	5.92	30	
Pyrene	3157.67	330	3330	0	94.8	58	138	3047	3.56	30	
Surr: 1,2-Dichlorobenzene-d4	2239.00		3330		67.2	46	105		0	30	
Surr: 2,4,6-Tribromophenol	3122.33		3330		93.8	46	146		0	30	
Surr: 2-Chlorophenol-d4	2437.33		3330		73.2	48	117		0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 084278
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **084278-003AMSD** SampType: **MSD** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **5/11/2006** RunNo: **63256**
Client ID: **NM03-B8-5.5** Batch ID: **27983** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **5/12/2006** SeqNo: **935672**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorobiphenyl	2529.67		3330		76.0	54	112		0	30	
Surr: 2-Fluorophenol	2395.33		3330		71.9	45	119		0	30	
Surr: 4-Terphenyl-d14	2738.33		3330		82.2	46	135		0	30	
Surr: Nitrobenzene-d5	2504.67		3330		75.2	40	116		0	30	
Surr: Phenol-d5	2582.67		3330		77.6	37	127		0	30	

Sample ID: **MB-27983** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **5/11/2006** RunNo: **63256**
Client ID: **PBS** Batch ID: **27983** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **5/12/2006** SeqNo: **935673**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	0.00	330									
1,2-Dichlorobenzene	0.00	330									
1,3-Dichlorobenzene	0.00	330									
1,4-Dichlorobenzene	0.00	330									
2,4,5-Trichlorophenol	0.00	330									
2,4,6-Trichlorophenol	0.00	330									
2,4-Dichlorophenol	0.00	1600									
2,4-Dimethylphenol	0.00	330									
2,4-Dinitrophenol	0.00	1600									
2,4-Dinitrotoluene	0.00	330									
2,6-Dinitrotoluene	0.00	330									
2-Chloronaphthalene	0.00	330									
2-Chlorophenol	0.00	330									
2-Methylnaphthalene	0.00	330									
2-Methylphenol	0.00	330									
2-Nitroaniline	0.00	1600									
2-Nitrophenol	0.00	330									
3,3´-Dichlorobenzidine	0.00	660									
3-Nitroaniline	0.00	1600									
4,6-Dinitro-2-methylphenol	0.00	1600									
4-Bromophenyl-phenylether	0.00	330									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 084278
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-27983** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **5/11/2006** RunNo: **63256**
Client ID: **PBS** Batch ID: **27983** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **5/12/2006** SeqNo: **935673**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chloro-3-methylphenol	0.00	660									
4-Chloroaniline	0.00	660									
4-Chlorophenyl-phenylether	0.00	330									
4-Methylphenol	0.00	330									
4-Nitroaniline	0.00	1600									
4-Nitrophenol	0.00	1600									
Acenaphthene	0.00	330									
Acenaphthylene	0.00	330									
Anthracene	0.00	330									
Benzidine (M)	0.00	1600									
Benzo(a)anthracene	0.00	330									
Benzo(a)pyrene	0.00	330									
Benzo(b)fluoranthene	0.00	330									
Benzo(g,h,i)perylene	0.00	330									
Benzo(k)fluoranthene	0.00	330									
Benzoic acid	0.00	1600									
Benzyl alcohol	0.00	660									
Bis(2-chloroethoxy)methane	0.00	330									
Bis(2-chloroethyl)ether	0.00	330									
Bis(2-chloroisopropyl)ether	0.00	330									
Bis(2-ethylhexyl)phthalate	0.00	330									
Butylbenzylphthalate	0.00	330									
Chrysene	0.00	330									
Di-n-butylphthalate	0.00	330									
Di-n-octylphthalate	0.00	330									
Dibenz(a,h)anthracene	0.00	330									
Dibenzofuran	0.00	330									
Diethylphthalate	0.00	330									
Dimethylphthalate	0.00	330									
Fluoranthene	0.00	330									
Fluorene	0.00	330									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
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S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 084278
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-27983** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **5/11/2006** RunNo: **63256**
Client ID: **PBS** Batch ID: **27983** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **5/12/2006** SeqNo: **935673**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobenzene	0.00	330									
Hexachlorobutadiene	0.00	660									
Hexachlorocyclopentadiene	0.00	660									
Hexachloroethane	0.00	330									
Indeno(1,2,3-cd)pyrene	0.00	330									
Isophorone	0.00	330									
N-Nitrosodi-n-propylamine	0.00	330									
N-Nitrosodiphenylamine	0.00	330									
Naphthalene	0.00	330									
Nitrobenzene	0.00	330									
Pentachlorophenol	0.00	1600									
Phenanthrene	0.00	330									
Phenol	0.00	330									
Pyrene	0.00	330									
Surr: 1,2-Dichlorobenzene-d4	2351.00		3330		70.6	46	105				
Surr: 2,4,6-Tribromophenol	2999.67		3330		90.1	46	146				
Surr: 2-Chlorophenol-d4	2453.33		3330		73.7	48	117				
Surr: 2-Fluorobiphenyl	2426.33		3330		72.9	54	112				
Surr: 2-Fluorophenol	2413.00		3330		72.5	45	119				
Surr: 4-Terphenyl-d14	3019.00		3330		90.7	46	135				
Surr: Nitrobenzene-d5	2520.67		3330		75.7	40	116				
Surr: Phenol-d5	2542.67		3330		76.4	37	127				

Sample ID: **LCS-27983** SampType: **LCS** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **5/11/2006** RunNo: **63263**
Client ID: **LCSS** Batch ID: **27983** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **5/12/2006** SeqNo: **935733**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2614.67	330	3330	0	78.5	58	117				
1,4-Dichlorobenzene	2390.00	330	3330	0	71.8	56	100				
2,4-Dinitrotoluene	3002.67	330	3330	0	90.2	71	135				
2-Chlorophenol	2572.33	330	3330	0	77.2	66	107				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 084278
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **LCS-27983** SampType: **LCS** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **5/11/2006** RunNo: **63263**
Client ID: **LCSS** Batch ID: **27983** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **5/12/2006** SeqNo: **935733**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chloro-3-methylphenol	3101.33	660	3330	0	93.1	74	128				
4-Nitrophenol	2670.33	1600	3330	0	80.2	54	133				
Acenaphthene	2849.00	330	3330	0	85.6	73	118				
N-Nitrosodi-n-propylamine	3011.67	330	3330	0	90.4	67	113				
Pentachlorophenol	3039.67	1600	3330	0	91.3	78	127				
Phenol	2730.33	330	3330	0	82.0	67	110				
Pyrene	2827.00	330	3330	0	84.9	74	127				
Surr: 1,2-Dichlorobenzene-d4	2525.00		3330		75.8	46	105				
Surr: 2,4,6-Tribromophenol	3044.00		3330		91.4	46	146				
Surr: 2-Chlorophenol-d4	2722.67		3330		81.8	48	117				
Surr: 2-Fluorobiphenyl	2726.33		3330		81.9	54	112				
Surr: 2-Fluorophenol	2655.67		3330		79.7	45	119				
Surr: 4-Terphenyl-d14	3691.67		3330		111	46	135				
Surr: Nitrobenzene-d5	2789.67		3330		83.8	40	116				
Surr: Phenol-d5	2814.00		3330		84.5	37	127				

Sample ID: **MB-27983** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **5/11/2006** RunNo: **63263**
Client ID: **PBS** Batch ID: **27983** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **5/12/2006** SeqNo: **935736**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	0.00	330									
1,2-Dichlorobenzene	0.00	330									
1,3-Dichlorobenzene	0.00	330									
1,4-Dichlorobenzene	0.00	330									
2,4,5-Trichlorophenol	0.00	330									
2,4,6-Trichlorophenol	0.00	330									
2,4-Dichlorophenol	0.00	1600									
2,4-Dimethylphenol	0.00	330									
2,4-Dinitrophenol	0.00	1600									
2,4-Dinitrotoluene	0.00	330									
2,6-Dinitrotoluene	0.00	330									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 084278
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-27983** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **5/11/2006** RunNo: **63263**
Client ID: **PBS** Batch ID: **27983** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **5/12/2006** SeqNo: **935736**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Chloronaphthalene	0.00	330									
2-Chlorophenol	0.00	330									
2-Methylnaphthalene	0.00	330									
2-Methylphenol	0.00	330									
2-Nitroaniline	0.00	1600									
2-Nitrophenol	0.00	330									
3,3´-Dichlorobenzidine	0.00	660									
3-Nitroaniline	0.00	1600									
4,6-Dinitro-2-methylphenol	0.00	1600									
4-Bromophenyl-phenylether	0.00	330									
4-Chloro-3-methylphenol	0.00	660									
4-Chloroaniline	0.00	660									
4-Chlorophenyl-phenylether	0.00	330									
4-Methylphenol	0.00	330									
4-Nitroaniline	0.00	1600									
4-Nitrophenol	0.00	1600									
Acenaphthene	0.00	330									
Acenaphthylene	0.00	330									
Anthracene	0.00	330									
Benzidine (M)	0.00	1600									
Benzo(a)anthracene	0.00	330									
Benzo(a)pyrene	0.00	330									
Benzo(b)fluoranthene	0.00	330									
Benzo(g,h,i)perylene	0.00	330									
Benzo(k)fluoranthene	0.00	330									
Benzoic acid	0.00	1600									
Benzyl alcohol	0.00	660									
Bis(2-chloroethoxy)methane	0.00	330									
Bis(2-chloroethyl)ether	0.00	330									
Bis(2-chloroisopropyl)ether	0.00	330									
Bis(2-ethylhexyl)phthalate	0.00	330									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 084278
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-27983** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **5/11/2006** RunNo: **63263**
Client ID: **PBS** Batch ID: **27983** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **5/12/2006** SeqNo: **935736**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Butylbenzylphthalate	0.00	330									
Chrysene	0.00	330									
Di-n-butylphthalate	0.00	330									
Di-n-octylphthalate	0.00	330									
Dibenz(a,h)anthracene	0.00	330									
Dibenzofuran	0.00	330									
Diethylphthalate	0.00	330									
Dimethylphthalate	0.00	330									
Fluoranthene	0.00	330									
Fluorene	0.00	330									
Hexachlorobenzene	0.00	330									
Hexachlorobutadiene	0.00	660									
Hexachlorocyclopentadiene	0.00	660									
Hexachloroethane	0.00	330									
Indeno(1,2,3-cd)pyrene	0.00	330									
Isophorone	0.00	330									
N-Nitrosodi-n-propylamine	0.00	330									
N-Nitrosodiphenylamine	0.00	330									
Naphthalene	0.00	330									
Nitrobenzene	0.00	330									
Pentachlorophenol	0.00	1600									
Phenanthrene	0.00	330									
Phenol	0.00	330									
Pyrene	0.00	330									
Surr: 1,2-Dichlorobenzene-d4	2450.00		3330		73.6	46	105				
Surr: 2,4,6-Tribromophenol	3021.00		3330		90.7	46	146				
Surr: 2-Chlorophenol-d4	2727.33		3330		81.9	48	117				
Surr: 2-Fluorobiphenyl	2510.67		3330		75.4	54	112				
Surr: 2-Fluorophenol	2563.00		3330		77.0	45	119				
Surr: 4-Terphenyl-d14	4014.67		3330		121	46	135				
Surr: Nitrobenzene-d5	2621.67		3330		78.7	40	116				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 084278
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-27983** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **5/11/2006** RunNo: **63263**
Client ID: **PBS** Batch ID: **27983** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **5/12/2006** SeqNo: **935736**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Phenol-d5	2808.67		3330		84.3	37	127				

Sample ID: **084278-004ADUP** SampType: **DUP** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **5/11/2006** RunNo: **63256**
Client ID: **NM03-B8-10.5** Batch ID: **27983** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **5/12/2006** SeqNo: **935768**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	0.00	330						0	0	30	
1,2-Dichlorobenzene	0.00	330						0	0	30	
1,3-Dichlorobenzene	0.00	330						0	0	30	
1,4-Dichlorobenzene	0.00	330						0	0	30	
2,4,5-Trichlorophenol	0.00	330						0	0	30	
2,4,6-Trichlorophenol	0.00	330						0	0	30	
2,4-Dichlorophenol	0.00	1600						0	0	30	
2,4-Dimethylphenol	0.00	330						0	0	30	
2,4-Dinitrophenol	0.00	1600						0	0	30	
2,4-Dinitrotoluene	0.00	330						0	0	30	
2,6-Dinitrotoluene	0.00	330						0	0	30	
2-Chloronaphthalene	0.00	330						0	0	30	
2-Chlorophenol	0.00	330						0	0	30	
2-Methylnaphthalene	0.00	330						0	0	30	
2-Methylphenol	0.00	330						0	0	30	
2-Nitroaniline	0.00	1600						0	0	30	
2-Nitrophenol	0.00	330						0	0	30	
3,3´-Dichlorobenzidine	0.00	660						0	0	30	
3-Nitroaniline	0.00	1600						0	0	30	
4,6-Dinitro-2-methylphenol	0.00	1600						0	0	30	
4-Bromophenyl-phenylether	0.00	330						0	0	30	
4-Chloro-3-methylphenol	0.00	660						0	0	30	
4-Chloroaniline	0.00	660						0	0	30	
4-Chlorophenyl-phenylether	0.00	330						0	0	30	
4-Methylphenol	0.00	330						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 084278
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **084278-004ADUP** SampType: **DUP** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **5/11/2006** RunNo: **63256**
Client ID: **NM03-B8-10.5** Batch ID: **27983** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **5/12/2006** SeqNo: **935768**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Nitroaniline	0.00	1600						0	0	30	
4-Nitrophenol	0.00	1600						0	0	30	
Acenaphthene	0.00	330						0	0	30	
Acenaphthylene	0.00	330						0	0	30	
Anthracene	0.00	330						0	0	30	
Benzidine (M)	0.00	1600						0	0	30	
Benzo(a)anthracene	0.00	330						0	0	30	
Benzo(a)pyrene	0.00	330						0	0	30	
Benzo(b)fluoranthene	0.00	330						0	0	30	
Benzo(g,h,i)perylene	0.00	330						0	0	30	
Benzo(k)fluoranthene	0.00	330						0	0	30	
Benzoic acid	0.00	1600						0	0	30	
Benzyl alcohol	0.00	660						0	0	30	
Bis(2-chloroethoxy)methane	0.00	330						0	0	30	
Bis(2-chloroethyl)ether	0.00	330						0	0	30	
Bis(2-chloroisopropyl)ether	0.00	330						0	0	30	
Bis(2-ethylhexyl)phthalate	0.00	330						0	0	30	
Butylbenzylphthalate	0.00	330						0	0	30	
Chrysene	0.00	330						0	0	30	
Di-n-butylphthalate	0.00	330						0	0	30	
Di-n-octylphthalate	0.00	330						0	0	30	
Dibenz(a,h)anthracene	0.00	330						0	0	30	
Dibenzofuran	0.00	330						0	0	30	
Diethylphthalate	0.00	330						0	0	30	
Dimethylphthalate	0.00	330						0	0	30	
Fluoranthene	0.00	330						0	0	30	
Fluorene	0.00	330						0	0	30	
Hexachlorobenzene	0.00	330						0	0	30	
Hexachlorobutadiene	0.00	660						0	0	30	
Hexachlorocyclopentadiene	0.00	660						0	0	30	
Hexachloroethane	0.00	330						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
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CLIENT: Ninyo & Moore
Work Order: 084278
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **084278-004ADUP** SampType: **DUP** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **5/11/2006** RunNo: **63256**
Client ID: **NM03-B8-10.5** Batch ID: **27983** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **5/12/2006** SeqNo: **935768**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Indeno(1,2,3-cd)pyrene	0.00	330						0	0	30	
Isophorone	0.00	330						0	0	30	
N-Nitrosodi-n-propylamine	0.00	330						0	0	30	
N-Nitrosodiphenylamine	0.00	330						0	0	30	
Naphthalene	0.00	330						0	0	30	
Nitrobenzene	0.00	330						0	0	30	
Pentachlorophenol	0.00	1600						0	0	30	
Phenanthrene	0.00	330						0	0	30	
Phenol	0.00	330						0	0	30	
Pyrene	0.00	330						0	0	30	
Surr: 1,2-Dichlorobenzene-d4	2260.00		3330		67.9	46	105		0	0	
Surr: 2,4,6-Tribromophenol	3255.33		3330		97.8	46	146		0	0	
Surr: 2-Chlorophenol-d4	2386.67		3330		71.7	48	117		0	0	
Surr: 2-Fluorobiphenyl	2510.00		3330		75.4	54	112		0	0	
Surr: 2-Fluorophenol	2318.67		3330		69.6	45	119		0	0	
Surr: 4-Terphenyl-d14	2464.33		3330		74.0	46	135		0	0	
Surr: Nitrobenzene-d5	2479.00		3330		74.4	40	116		0	0	
Surr: Phenol-d5	2476.00		3330		74.4	37	127		0	0	

Sample ID: **LCS-27983** SampType: **LCS** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **5/11/2006** RunNo: **63263**
Client ID: **LCSS** Batch ID: **27983** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **5/15/2006** SeqNo: **936743**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2634.33	330	3330	0	79.1	58	117				
1,4-Dichlorobenzene	2352.00	330	3330	0	70.6	56	100				
2,4-Dinitrotoluene	3057.67	330	3330	0	91.8	71	135				
2-Chlorophenol	2519.67	330	3330	0	75.7	66	107				
4-Chloro-3-methylphenol	3005.00	660	3330	0	90.2	74	128				
4-Nitrophenol	2715.67	1600	3330	0	81.6	54	133				
Acenaphthene	2869.67	330	3330	0	86.2	73	118				
N-Nitrosodi-n-propylamine	2788.67	330	3330	0	83.7	67	113				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 084278
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **LCS-27983** SampType: **LCS** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **5/11/2006** RunNo: **63263**
Client ID: **LCSS** Batch ID: **27983** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **5/15/2006** SeqNo: **936743**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	3222.67	1600	3330	0	96.8	78	127				
Phenol	2641.33	330	3330	0	79.3	67	110				
Pyrene	3060.33	330	3330	0	91.9	74	127				
Surr: 1,2-Dichlorobenzene-d4	2484.00		3330		74.6	46	105				
Surr: 2,4,6-Tribromophenol	3135.33		3330		94.2	46	146				
Surr: 2-Chlorophenol-d4	2670.33		3330		80.2	48	117				
Surr: 2-Fluorobiphenyl	2745.00		3330		82.4	54	112				
Surr: 2-Fluorophenol	2569.33		3330		77.2	45	119				
Surr: 4-Terphenyl-d14	3175.00		3330		95.3	46	135				
Surr: Nitrobenzene-d5	2756.00		3330		82.8	40	116				
Surr: Phenol-d5	2730.67		3330		82.0	37	127				

Sample ID: **MB-27983** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **5/11/2006** RunNo: **63263**
Client ID: **PBS** Batch ID: **27983** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **5/15/2006** SeqNo: **936744**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	0.00	330									
1,2-Dichlorobenzene	0.00	330									
1,3-Dichlorobenzene	0.00	330									
1,4-Dichlorobenzene	0.00	330									
2,4,5-Trichlorophenol	0.00	330									
2,4,6-Trichlorophenol	0.00	330									
2,4-Dichlorophenol	0.00	1600									
2,4-Dimethylphenol	0.00	330									
2,4-Dinitrophenol	0.00	1600									
2,4-Dinitrotoluene	0.00	330									
2,6-Dinitrotoluene	0.00	330									
2-Chloronaphthalene	0.00	330									
2-Chlorophenol	0.00	330									
2-Methylnaphthalene	0.00	330									
2-Methylphenol	0.00	330									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 084278
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-27983** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **5/11/2006** RunNo: **63263**
Client ID: **PBS** Batch ID: **27983** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **5/15/2006** SeqNo: **936744**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Nitroaniline	0.00	1600									
2-Nitrophenol	0.00	330									
3,3´-Dichlorobenzidine	0.00	660									
3-Nitroaniline	0.00	1600									
4,6-Dinitro-2-methylphenol	0.00	1600									
4-Bromophenyl-phenylether	0.00	330									
4-Chloro-3-methylphenol	0.00	660									
4-Chloroaniline	0.00	660									
4-Chlorophenyl-phenylether	0.00	330									
4-Methylphenol	0.00	330									
4-Nitroaniline	0.00	1600									
4-Nitrophenol	0.00	1600									
Acenaphthene	0.00	330									
Acenaphthylene	0.00	330									
Anthracene	0.00	330									
Benzidine (M)	0.00	1600									
Benzo(a)anthracene	0.00	330									
Benzo(a)pyrene	0.00	330									
Benzo(b)fluoranthene	0.00	330									
Benzo(g,h,i)perylene	0.00	330									
Benzo(k)fluoranthene	0.00	330									
Benzoic acid	0.00	1600									
Benzyl alcohol	0.00	660									
Bis(2-chloroethoxy)methane	0.00	330									
Bis(2-chloroethyl)ether	0.00	330									
Bis(2-chloroisopropyl)ether	0.00	330									
Bis(2-ethylhexyl)phthalate	0.00	330									
Butylbenzylphthalate	0.00	330									
Chrysene	0.00	330									
Di-n-butylphthalate	0.00	330									
Di-n-octylphthalate	0.00	330									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 084278
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-27983** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **5/11/2006** RunNo: **63263**
Client ID: **PBS** Batch ID: **27983** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **5/15/2006** SeqNo: **936744**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibenz(a,h)anthracene	0.00	330									
Dibenzofuran	0.00	330									
Diethylphthalate	0.00	330									
Dimethylphthalate	0.00	330									
Fluoranthene	0.00	330									
Fluorene	0.00	330									
Hexachlorobenzene	0.00	330									
Hexachlorobutadiene	0.00	660									
Hexachlorocyclopentadiene	0.00	660									
Hexachloroethane	0.00	330									
Indeno(1,2,3-cd)pyrene	0.00	330									
Isophorone	0.00	330									
N-Nitrosodi-n-propylamine	0.00	330									
N-Nitrosodiphenylamine	0.00	330									
Naphthalene	0.00	330									
Nitrobenzene	0.00	330									
Pentachlorophenol	0.00	1600									
Phenanthrene	0.00	330									
Phenol	0.00	330									
Pyrene	0.00	330									
Surr: 1,2-Dichlorobenzene-d4	2440.00		3330		73.3	46	105				
Surr: 2,4,6-Tribromophenol	2862.67		3330		86.0	46	146				
Surr: 2-Chlorophenol-d4	2582.67		3330		77.6	48	117				
Surr: 2-Fluorobiphenyl	2585.33		3330		77.6	54	112				
Surr: 2-Fluorophenol	2495.33		3330		74.9	45	119				
Surr: 4-Terphenyl-d14	3480.67		3330		105	46	135				
Surr: Nitrobenzene-d5	2621.33		3330		78.7	40	116				
Surr: Phenol-d5	2641.67		3330		79.3	37	127				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 084278
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **LCS-27983** SampType: **LCS** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **5/11/2006** RunNo: **63256**
Client ID: **LCSS** Batch ID: **27983** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **5/15/2006** SeqNo: **936780**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2615.33	330	3330	0	78.5	58	117				
1,4-Dichlorobenzene	2339.33	330	3330	0	70.3	56	100				
2,4-Dinitrotoluene	3286.00	330	3330	0	98.7	71	135				
2-Chlorophenol	2290.33	330	3330	0	68.8	66	107				
4-Chloro-3-methylphenol	2860.67	660	3330	0	85.9	74	128				
4-Nitrophenol	3002.67	1600	3330	0	90.2	54	133				
Acenaphthene	2832.00	330	3330	0	85.0	73	118				
N-Nitrosodi-n-propylamine	2683.33	330	3330	0	80.6	67	113				
Pentachlorophenol	2990.67	1600	3330	0	89.8	78	127				
Phenol	2397.00	330	3330	0	72.0	67	110				
Pyrene	3074.00	330	3330	0	92.3	74	127				
Surr: 1,2-Dichlorobenzene-d4	2393.33		3330		71.9	46	105				
Surr: 2,4,6-Tribromophenol	3004.67		3330		90.2	46	146				
Surr: 2-Chlorophenol-d4	2406.67		3330		72.3	48	117				
Surr: 2-Fluorobiphenyl	2692.67		3330		80.9	54	112				
Surr: 2-Fluorophenol	2395.00		3330		71.9	45	119				
Surr: 4-Terphenyl-d14	2808.00		3330		84.3	46	135				
Surr: Nitrobenzene-d5	2693.67		3330		80.9	40	116				
Surr: Phenol-d5	2460.33		3330		73.9	37	127				

Sample ID: **MB-27983** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **5/11/2006** RunNo: **63256**
Client ID: **PBS** Batch ID: **27983** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **5/15/2006** SeqNo: **936781**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	0.00	330									
1,2-Dichlorobenzene	0.00	330									
1,3-Dichlorobenzene	0.00	330									
1,4-Dichlorobenzene	0.00	330									
2,4,5-Trichlorophenol	0.00	330									
2,4,6-Trichlorophenol	0.00	330									
2,4-Dichlorophenol	0.00	1600									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 084278
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-27983**	SampType: **MBLK**	TestCode: **8270_S_FUL**	Units: **µg/Kg**	Prep Date: **5/11/2006**	RunNo: **63256**
Client ID: **PBS**	Batch ID: **27983**	TestNo: **EPA 8270C**	**EPA 3550B**	Analysis Date: **5/15/2006**	SeqNo: **936781**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dimethylphenol	0.00	330									
2,4-Dinitrophenol	0.00	1600									
2,4-Dinitrotoluene	0.00	330									
2,6-Dinitrotoluene	0.00	330									
2-Chloronaphthalene	0.00	330									
2-Chlorophenol	0.00	330									
2-Methylnaphthalene	0.00	330									
2-Methylphenol	0.00	330									
2-Nitroaniline	0.00	1600									
2-Nitrophenol	0.00	330									
3,3´-Dichlorobenzidine	0.00	660									
3-Nitroaniline	0.00	1600									
4,6-Dinitro-2-methylphenol	0.00	1600									
4-Bromophenyl-phenylether	0.00	330									
4-Chloro-3-methylphenol	0.00	660									
4-Chloroaniline	0.00	660									
4-Chlorophenyl-phenylether	0.00	330									
4-Methylphenol	0.00	330									
4-Nitroaniline	0.00	1600									
4-Nitrophenol	0.00	1600									
Acenaphthene	0.00	330									
Acenaphthylene	0.00	330									
Anthracene	0.00	330									
Benzidine (M)	0.00	1600									
Benzo(a)anthracene	0.00	330									
Benzo(a)pyrene	0.00	330									
Benzo(b)fluoranthene	0.00	330									
Benzo(g,h,i)perylene	0.00	330									
Benzo(k)fluoranthene	0.00	330									
Benzoic acid	0.00	1600									
Benzyl alcohol	0.00	660									

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interferenc	DO	Surrogate Diluted Out
	Calculations are based on raw values				

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CLIENT: Ninyo & Moore
Work Order: 084278
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-27983** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **5/11/2006** RunNo: **63256**
Client ID: **PBS** Batch ID: **27983** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **5/15/2006** SeqNo: **936781**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bis(2-chloroethoxy)methane	0.00	330									
Bis(2-chloroethyl)ether	0.00	330									
Bis(2-chloroisopropyl)ether	0.00	330									
Bis(2-ethylhexyl)phthalate	0.00	330									
Butylbenzylphthalate	0.00	330									
Chrysene	0.00	330									
Di-n-butylphthalate	0.00	330									
Di-n-octylphthalate	0.00	330									
Dibenz(a,h)anthracene	0.00	330									
Dibenzofuran	0.00	330									
Diethylphthalate	0.00	330									
Dimethylphthalate	0.00	330									
Fluoranthene	0.00	330									
Fluorene	0.00	330									
Hexachlorobenzene	0.00	330									
Hexachlorobutadiene	0.00	660									
Hexachlorocyclopentadiene	0.00	660									
Hexachloroethane	0.00	330									
Indeno(1,2,3-cd)pyrene	0.00	330									
Isophorone	0.00	330									
N-Nitrosodi-n-propylamine	0.00	330									
N-Nitrosodiphenylamine	0.00	330									
Naphthalene	0.00	330									
Nitrobenzene	0.00	330									
Pentachlorophenol	0.00	1600									
Phenanthrene	0.00	330									
Phenol	0.00	330									
Pyrene	0.00	330									
Surr: 1,2-Dichlorobenzene-d4	2407.33		3330		72.3	46	105				
Surr: 2,4,6-Tribromophenol	2886.33		3330		86.7	46	146				
Surr: 2-Chlorophenol-d4	2451.00		3330		73.6	48	117				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 084278
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-27983**	SampType: **MBLK**	TestCode: **8270_S_FUL**	Units: **µg/Kg**	Prep Date: **5/11/2006**	RunNo: **63256**
Client ID: **PBS**	Batch ID: **27983**	TestNo: **EPA 8270C**	**EPA 3550B**	Analysis Date: **5/15/2006**	SeqNo: **936781**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorobiphenyl	2441.00		3330		73.3	54	112				
Surr: 2-Fluorophenol	2432.67		3330		73.1	45	119				
Surr: 4-Terphenyl-d14	3108.67		3330		93.4	46	135				
Surr: Nitrobenzene-d5	2530.00		3330		76.0	40	116				
Surr: Phenol-d5	2556.33		3330		76.8	37	127				

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interferenc	DO	Surrogate Diluted Out
	Calculations are based on raw values				

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CLIENT: Ninyo & Moore
Work Order: 084278
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **MB-27933MS** SampType: **MS** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **5/9/2006** RunNo: **63203**
Client ID: **ZZZZZZ** Batch ID: **27933** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **5/11/2006** SeqNo: **935348**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	67.81	10	100.0	0	67.8	60	120				
1,4-Dichlorobenzene	57.32	10	100.0	0	57.3	56	103				
2,4-Dinitrotoluene	109.03	10	100.0	0	109	71	136				
2-Chlorophenol	61.23	10	100.0	0	61.2	59	107				
4-Chloro-3-methylphenol	85.25	50	100.0	0	85.2	72	126				
4-Nitrophenol	59.11	50	100.0	0	59.1	30	88				
Acenaphthene	82.07	10	100.0	0	82.1	72	119				
N-Nitrosodi-n-propylamine	80.13	10	100.0	0	80.1	65	120				
Pentachlorophenol	81.88	50	100.0	0	81.9	78	122				
Phenol	38.63	10	100.0	0	38.6	35	66				
Pyrene	85.20	10	100.0	0	85.2	73	127				
Surr: 1,2-Dichlorobenzene-d4	55.57		100.0		55.6	41	103				
Surr: 2,4,6-Tribromophenol	93.04		100.0		93.0	55	137				
Surr: 2-Chlorophenol-d4	63.38		100.0		63.4	34	117				
Surr: 2-Fluorobiphenyl	68.19		100.0		68.2	49	114				
Surr: 2-Fluorophenol	45.86		100.0		45.9	24	74				
Surr: 4-Terphenyl-d14	72.53		100.0		72.5	42	138				
Surr: Nitrobenzene-d5	74.18		100.0		74.2	47	115				
Surr: Phenol-d5	36.94		100.0		36.9	16	63				

Sample ID: **MB-27933MSD** SampType: **MSD** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **5/9/2006** RunNo: **63203**
Client ID: **ZZZZZZ** Batch ID: **27933** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **5/11/2006** SeqNo: **935349**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	69.82	10	100.0	0	69.8	60	120	67.81	2.92	30	
1,4-Dichlorobenzene	64.05	10	100.0	0	64.0	56	103	57.32	11.1	30	
2,4-Dinitrotoluene	89.95	10	100.0	0	90.0	71	136	109.0	19.2	30	
2-Chlorophenol	67.13	10	100.0	0	67.1	59	107	61.23	9.19	30	
4-Chloro-3-methylphenol	78.61	50	100.0	0	78.6	72	126	85.25	8.10	30	
4-Nitrophenol	47.45	50	100.0	0	47.4	30	88	59.11	0	30	
Acenaphthene	77.65	10	100.0	0	77.6	72	119	82.07	5.53	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 084278
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **MB-27933MSD** SampType: **MSD** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **5/9/2006** RunNo: **63203**
Client ID: **ZZZZZZ** Batch ID: **27933** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **5/11/2006** SeqNo: **935349**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
N-Nitrosodi-n-propylamine	84.56	10	100.0	0	84.6	65	120	80.13	5.38	30	
Pentachlorophenol	82.36	50	100.0	0	82.4	78	122	81.88	0.585	30	
Phenol	40.48	10	100.0	0	40.5	35	66	38.63	4.68	30	
Pyrene	82.21	10	100.0	0	82.2	73	127	85.20	3.57	30	
Surr: 1,2-Dichlorobenzene-d4	61.20		100.0		61.2	41	103		0	30	
Surr: 2,4,6-Tribromophenol	82.28		100.0		82.3	55	137		0	30	
Surr: 2-Chlorophenol-d4	69.50		100.0		69.5	34	117		0	30	
Surr: 2-Fluorobiphenyl	67.81		100.0		67.8	49	114		0	30	
Surr: 2-Fluorophenol	51.42		100.0		51.4	24	74		0	30	
Surr: 4-Terphenyl-d14	76.70		100.0		76.7	42	138		0	30	
Surr: Nitrobenzene-d5	75.55		100.0		75.6	47	115		0	30	
Surr: Phenol-d5	39.17		100.0		39.2	16	63		0	30	

Sample ID: **LCS-27933** SampType: **LCS** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **5/9/2006** RunNo: **63203**
Client ID: **LCSW** Batch ID: **27933** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **5/11/2006** SeqNo: **935350**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	69.79	10	100.0	0	69.8	60	120				
1,4-Dichlorobenzene	64.83	10	100.0	0	64.8	56	103				
2,4-Dinitrotoluene	95.45	10	100.0	0	95.4	71	136				
2-Chlorophenol	69.71	10	100.0	0	69.7	59	107				
4-Chloro-3-methylphenol	81.45	50	100.0	0	81.4	72	126				
4-Nitrophenol	51.04	50	100.0	0	51.0	30	88				
Acenaphthene	77.71	10	100.0	0	77.7	72	119				
N-Nitrosodi-n-propylamine	86.31	10	100.0	0	86.3	65	120				
Pentachlorophenol	84.95	50	100.0	0	85.0	78	122				
Phenol	42.11	10	100.0	0	42.1	35	66				
Pyrene	84.99	10	100.0	0	85.0	73	127				
Surr: 1,2-Dichlorobenzene-d4	62.35		100.0		62.4	41	103				
Surr: 2,4,6-Tribromophenol	84.23		100.0		84.2	55	137				
Surr: 2-Chlorophenol-d4	71.39		100.0		71.4	34	117				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 084278
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **LCS-27933** SampType: **LCS** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **5/9/2006** RunNo: **63203**
Client ID: **LCSW** Batch ID: **27933** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **5/11/2006** SeqNo: **935350**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorobiphenyl	67.08		100.0		67.1	49	114				
Surr: 2-Fluorophenol	52.47		100.0		52.5	24	74				
Surr: 4-Terphenyl-d14	72.03		100.0		72.0	42	138				
Surr: Nitrobenzene-d5	76.54		100.0		76.5	47	115				
Surr: Phenol-d5	40.49		100.0		40.5	16	63				

Sample ID: **MB-27933** SampType: **MBLK** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **5/9/2006** RunNo: **63203**
Client ID: **PBW** Batch ID: **27933** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **5/11/2006** SeqNo: **935351**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	0.00	10									
1,2-Dichlorobenzene	0.00	10									
1,3-Dichlorobenzene	0.00	10									
1,4-Dichlorobenzene	0.00	10									
2,4,5-Trichlorophenol	0.00	10									
2,4,6-Trichlorophenol	0.00	10									
2,4-Dichlorophenol	0.00	10									
2,4-Dimethylphenol	0.00	10									
2,4-Dinitrophenol	0.00	50									
2,4-Dinitrotoluene	0.00	10									
2,6-Dinitrotoluene	0.00	10									
2-Chloronaphthalene	0.00	10									
2-Chlorophenol	0.00	10									
2-Methylnaphthalene	0.00	10									
2-Methylphenol	0.00	10									
2-Nitroaniline	0.00	50									
2-Nitrophenol	0.00	10									
3,3´-Dichlorobenzidine	0.00	20									
3-Nitroaniline	0.00	50									
4,6-Dinitro-2-methylphenol	0.00	50									
4-Bromophenyl-phenylether	0.00	10									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 084278
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **MB-27933** SampType: **MBLK** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **5/9/2006** RunNo: **63203**
Client ID: **PBW** Batch ID: **27933** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **5/11/2006** SeqNo: **935351**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chloro-3-methylphenol	0.00	50									
4-Chloroaniline	0.00	20									
4-Chlorophenyl-phenylether	0.00	10									
4-Methylphenol	0.00	10									
4-Nitroaniline	0.00	20									
4-Nitrophenol	0.00	50									
Acenaphthene	0.00	10									
Acenaphthylene	0.00	10									
Anthracene	0.00	10									
Benzidine (M)	0.00	50									
Benzo(a)anthracene	0.00	10									
Benzo(a)pyrene	0.00	10									
Benzo(b)fluoranthene	0.00	10									
Benzo(g,h,i)perylene	0.00	10									
Benzo(k)fluoranthene	0.00	10									
Benzoic acid	0.00	50									
Benzyl alcohol	0.00	20									
Bis(2-chloroethoxy)methane	0.00	10									
Bis(2-chloroethyl)ether	0.00	10									
Bis(2-chloroisopropyl)ether	0.00	10									
Bis(2-ethylhexyl)phthalate	0.00	10									
Butylbenzylphthalate	0.00	10									
Chrysene	0.00	10									
Di-n-butylphthalate	0.00	10									
Di-n-octylphthalate	0.00	10									
Dibenz(a,h)anthracene	0.00	10									
Dibenzofuran	0.00	10									
Diethylphthalate	0.00	10									
Dimethylphthalate	0.00	10									
Fluoranthene	0.00	10									
Fluorene	0.00	10									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
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ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 084278
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **MB-27933** SampType: **MBLK** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **5/9/2006** RunNo: **63203**
Client ID: **PBW** Batch ID: **27933** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **5/11/2006** SeqNo: **935351**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobenzene	0.00	10									
Hexachlorobutadiene	0.00	20									
Hexachlorocyclopentadiene	0.00	10									
Hexachloroethane	0.00	10									
Indeno(1,2,3-cd)pyrene	0.00	10									
Isophorone	0.00	10									
N-Nitrosodi-n-propylamine	0.00	10									
N-Nitrosodiphenylamine	0.00	10									
Naphthalene	0.00	10									
Nitrobenzene	0.00	10									
Pentachlorophenol	0.00	50									
Phenanthrene	0.00	10									
Phenol	0.00	10									
Pyrene	0.00	10									
Surr: 1,2-Dichlorobenzene-d4	60.88		100.0		60.9	41	103				
Surr: 2,4,6-Tribromophenol	76.69		100.0		76.7	55	137				
Surr: 2-Chlorophenol-d4	68.04		100.0		68.0	34	117				
Surr: 2-Fluorobiphenyl	62.01		100.0		62.0	49	114				
Surr: 2-Fluorophenol	50.59		100.0		50.6	24	74				
Surr: 4-Terphenyl-d14	75.77		100.0		75.8	42	138				
Surr: Nitrobenzene-d5	72.65		100.0		72.6	47	115				
Surr: Phenol-d5	39.22		100.0		39.2	16	63				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
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CHAIN OF CUSTODY RECORD

Pg 1 of 1

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:
Logged By: V Date: 050806

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other:

Sample Condition Upon Receipt
1. CHILLED 4.5°C Y☑ N☐ 4. SEALED Y☐ N☑
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☑ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☑ N☑

Client: Ninyo & Moore
Attn: Scott Snyder
Address: 5710 Ruffin Rd
City: SAN Diego State: CA Zip Code: 92123
TEL: (858) 576-1000
FAX: (858) 576-9600

Project Name: I-5 Expansion
Project #: 105812001
Sampler: (Printed Name) Matt Fuller (Signature) Matt Fuller

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Matt Fuller				5-8-06	10:10a
Matt Fuller	5-8-06	1:05p		050806	1305

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Matt Fuller 5-4-06
Print Name Date
Signature: Matt Fuller

Send Report To:
Attn: Scott Snyder
Co: Ninyo & Moore
Address: 5710 Ruffin Rd
City: SAN Diego State: CA Zip: 92123

Bill To:
Attn: same as
Co: previous
Address:
City State Zip

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder /.mo (after 1 year)

Circle or Add Analysis(es) Requested

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (SVOCs)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	Total Lead	8015 TPH gd	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	0842278-001	NM03-B8-1.0	5-4-06	1015									X			X				E	1	JG	C	
	-002	NM03-B8-TRIP		1020		X											X			E	2	VG	H	
	-003	NM03-B8-5.5		1050	X	X	X	X						X		X				E	1	TM	C	
	-004	NM03-B8-10.5		1106	X	X	X	X						X		X				E	1	TM	C	
	-005	NM03-B8-12		1133	X	X	X	X						X		X				E	1	TM	C	
	-006	NM03-B8-14.5		1150																				HOLD
	-007	NM03-B8-15.5		1203																				HOLD
	-008	NM03-B8-20		1230																				HOLD
	-009	NM03-B8-GW		1330	X	X	X	X						X			X			E	10	V/L	H/C/N	
	-010	NM03-B8-Equip		1400	X	X	X	X						X		X				E	10	V/L/P	H/C/N	

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

April 28, 2006

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 083942

RE: I-5 EXPANSION, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on April 20, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

for Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: *28-Apr-06*

CLIENT: Ninyo & Moore
Project: I-5 EXPANSION, 105812001
Lab Order: 083942
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
083942-001A	NM03-B7-TRIP	Water	4/19/2006	4/20/2006	4/28/2006
083942-002A	NM03-B7-1.0	Soil	4/19/2006	4/20/2006	4/28/2006
083942-008A	NM03-B7-30	Soil	4/19/2006	4/20/2006	4/28/2006
083942-009A	NM03-B7-35	Soil	4/19/2006	4/20/2006	4/28/2006
083942-010A	NM03-B7-41	Soil	4/19/2006	4/20/2006	4/28/2006
083942-011A	NM03-B7-46.0	Soil	4/19/2006	4/20/2006	4/28/2006
083942-012A	NM03-B7-50.0	Soil	4/19/2006	4/20/2006	4/28/2006
083942-013A	NM03-B7-55.0	Soil	4/19/2006	4/20/2006	4/28/2006
083942-014A	NM03-B7-GW	Ground Water	4/19/2006	4/20/2006	4/28/2006
083942-014B	NM03-B7-GW	Ground Water	4/19/2006	4/20/2006	4/28/2006
083942-014C	NM03-B7-GW	Ground Water	4/19/2006	4/20/2006	4/28/2006
083942-014D	NM03-B7-GW	Ground Water	4/19/2006	4/20/2006	4/28/2006
083942-015A	NM03-B7-Equip	Water	4/19/2006	4/20/2006	4/28/2006
083942-015B	NM03-B7-Equip	Water	4/19/2006	4/20/2006	4/28/2006
083942-015C	NM03-B7-Equip	Water	4/19/2006	4/20/2006	4/28/2006
083942-015D	NM03-B7-Equip	Water	4/19/2006	4/20/2006	4/28/2006

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CASE NARRATIVE

Analytical Comments for EPA 6010B

RPD for Sample Duplicate (DUP) is outside criteria for sample 083942-002ADUP; however, the Laboratory Control Sample (LCS) validated the analytical batch.

Analytical Comments for EPA 8015B (M)

Sample 083943-005DMS surrogate was outside criteria; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

RPD for Matrix Spike (MS)/Matrix Spike Duplicate (MSD) is outside criteria for sample 083943-005DMSD; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *28-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083942
Project: I-5 EXPANSION, 105812001
Lab ID: 083942-001

Client Sample ID: NM03-B7-TRIP
Collection Date: 4/19/2006 9:00:00 AM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060421A	QC Batch: Q06VW080				PrepDate:	Analyst: **HH**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	4/21/2006
1,1,1-Trichloroethane	ND	5.0		µg/L	1	4/21/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	4/21/2006
1,1,2-Trichloroethane	ND	5.0		µg/L	1	4/21/2006
1,1-Dichloroethane	ND	5.0		µg/L	1	4/21/2006
1,1-Dichloroethene	ND	5.0		µg/L	1	4/21/2006
1,1-Dichloropropene	ND	5.0		µg/L	1	4/21/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/L	1	4/21/2006
1,2,3-Trichloropropane	ND	5.0		µg/L	1	4/21/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	4/21/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/L	1	4/21/2006
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	4/21/2006
1,2-Dibromoethane	ND	5.0		µg/L	1	4/21/2006
1,2-Dichlorobenzene	ND	5.0		µg/L	1	4/21/2006
1,2-Dichloroethane	ND	5.0		µg/L	1	4/21/2006
1,2-Dichloropropane	ND	5.0		µg/L	1	4/21/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	4/21/2006
1,3-Dichlorobenzene	ND	5.0		µg/L	1	4/21/2006
1,3-Dichloropropane	ND	5.0		µg/L	1	4/21/2006
1,4-Dichlorobenzene	ND	5.0		µg/L	1	4/21/2006
2,2-Dichloropropane	ND	5.0		µg/L	1	4/21/2006
2-Chlorotoluene	ND	5.0		µg/L	1	4/21/2006
4-Chlorotoluene	ND	5.0		µg/L	1	4/21/2006
4-Isopropyltoluene	ND	5.0		µg/L	1	4/21/2006
Benzene	ND	5.0		µg/L	1	4/21/2006
Bromobenzene	ND	5.0		µg/L	1	4/21/2006
Bromodichloromethane	ND	5.0		µg/L	1	4/21/2006
Bromoform	ND	5.0		µg/L	1	4/21/2006
Bromomethane	ND	5.0		µg/L	1	4/21/2006
Carbon tetrachloride	ND	5.0		µg/L	1	4/21/2006
Chlorobenzene	ND	5.0		µg/L	1	4/21/2006
Chloroethane	ND	5.0		µg/L	1	4/21/2006
Chloroform	ND	5.0		µg/L	1	4/21/2006
Chloromethane	ND	5.0		µg/L	1	4/21/2006
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	4/21/2006
Dibromochloromethane	ND	5.0		µg/L	1	4/21/2006
Dibromomethane	ND	5.0		µg/L	1	4/21/2006
Dichlorodifluoromethane	ND	5.0		µg/L	1	4/21/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *28-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B7-TRIP
Lab Order:	083942	**Collection Date:**	4/19/2006 9:00:00 AM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083942-001	**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060421A	QC Batch:	Q06VW080		PrepDate:		Analyst: **HH**
Ethylbenzene	ND	5.0		µg/L	1	4/21/2006
Hexachlorobutadiene	ND	5.0		µg/L	1	4/21/2006
Isopropylbenzene	ND	5.0		µg/L	1	4/21/2006
m,p-Xylene	ND	10		µg/L	1	4/21/2006
Methylene chloride	ND	5.0		µg/L	1	4/21/2006
n-Butylbenzene	ND	5.0		µg/L	1	4/21/2006
n-Propylbenzene	ND	5.0		µg/L	1	4/21/2006
Naphthalene	ND	5.0		µg/L	1	4/21/2006
o-Xylene	ND	5.0		µg/L	1	4/21/2006
sec-Butylbenzene	ND	5.0		µg/L	1	4/21/2006
Styrene	ND	5.0		µg/L	1	4/21/2006
tert-Butylbenzene	ND	5.0		µg/L	1	4/21/2006
Tetrachloroethene	ND	5.0		µg/L	1	4/21/2006
Toluene	ND	5.0		µg/L	1	4/21/2006
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	4/21/2006
Trichloroethene	ND	5.0		µg/L	1	4/21/2006
Trichlorofluoromethane	ND	5.0		µg/L	1	4/21/2006
Vinyl chloride	ND	5.0		µg/L	1	4/21/2006
Surr: 1,2-Dichloroethane-d4	106	70-126		%REC	1	4/21/2006
Surr: 4-Bromofluorobenzene	98.2	63-134		%REC	1	4/21/2006
Surr: Dibromofluoromethane	109	73-124		%REC	1	4/21/2006
Surr: Toluene-d8	104	84-123		%REC	1	4/21/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *28-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B7-1.0
Lab Order:	083942	**Collection Date:**	4/19/2006 9:13:00 AM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083942-002	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
LEAD BY ICP						
	EPA 3050M			**EPA 6010B**		
RunID: ICP5_060426A	QC Batch: 27760				PrepDate: 4/26/2006	Analyst: **RQ**
Lead	6.4	1.0		mg/Kg	1	4/26/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: *28-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B7-30
Lab Order:	083942	**Collection Date:**	4/19/2006 10:30:00 AM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083942-008	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
LUFT				**EPA 8015B(M)**		
RunID: GC7_BACK_060423A	QC Batch: 27710			PrepDate: 4/21/2006		Analyst: **CBR**
DRO	ND	10		mg/Kg	1	4/23/2006
Surr: p-Terphenyl	78.6	56-131		%REC	1	4/23/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_060421B	QC Batch: E06VS089			PrepDate:		Analyst: **TT**
GRO	ND	1.0		mg/Kg	1	4/21/2006
Surr: Bromofluorobenzene (FID)	88.3	42-138		%REC	1	4/21/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060421A	QC Batch: R06VS082			PrepDate:		Analyst: **TT**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1	4/21/2006
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	4/21/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	4/21/2006
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	4/21/2006
1,1-Dichloroethane	ND	5.0		µg/Kg	1	4/21/2006
1,1-Dichloroethene	ND	5.0		µg/Kg	1	4/21/2006
1,1-Dichloropropene	ND	5.0		µg/Kg	1	4/21/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1	4/21/2006
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1	4/21/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1	4/21/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1	4/21/2006
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1	4/21/2006
1,2-Dibromoethane	ND	5.0		µg/Kg	1	4/21/2006
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1	4/21/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	4/21/2006
1,2-Dichloropropane	ND	5.0		µg/Kg	1	4/21/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1	4/21/2006
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1	4/21/2006
1,3-Dichloropropane	ND	5.0		µg/Kg	1	4/21/2006
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1	4/21/2006
2,2-Dichloropropane	ND	5.0		µg/Kg	1	4/21/2006
2-Chlorotoluene	ND	5.0		µg/Kg	1	4/21/2006
4-Chlorotoluene	ND	5.0		µg/Kg	1	4/21/2006
4-Isopropyltoluene	ND	5.0		µg/Kg	1	4/21/2006
Benzene	5.1	5.0		µg/Kg	1	4/21/2006
Bromobenzene	ND	5.0		µg/Kg	1	4/21/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *28-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083942
Project: I-5 EXPANSION, 105812001
Lab ID: 083942-008

Client Sample ID: NM03-B7-30
Collection Date: 4/19/2006 10:30:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060421A	QC Batch: R06VS082			PrepDate:		Analyst: **TT**
Bromodichloromethane	ND	5.0		µg/Kg	1	4/21/2006
Bromoform	ND	5.0		µg/Kg	1	4/21/2006
Bromomethane	ND	5.0		µg/Kg	1	4/21/2006
Carbon tetrachloride	ND	5.0		µg/Kg	1	4/21/2006
Chlorobenzene	ND	5.0		µg/Kg	1	4/21/2006
Chloroethane	ND	5.0		µg/Kg	1	4/21/2006
Chloroform	ND	5.0		µg/Kg	1	4/21/2006
Chloromethane	ND	5.0		µg/Kg	1	4/21/2006
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	4/21/2006
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	4/21/2006
Dibromochloromethane	ND	5.0		µg/Kg	1	4/21/2006
Dibromomethane	ND	5.0		µg/Kg	1	4/21/2006
Dichlorodifluoromethane	ND	5.0		µg/Kg	1	4/21/2006
Ethylbenzene	ND	5.0		µg/Kg	1	4/21/2006
Hexachlorobutadiene	ND	5.0		µg/Kg	1	4/21/2006
Isopropylbenzene	ND	5.0		µg/Kg	1	4/21/2006
m,p-Xylene	ND	10		µg/Kg	1	4/21/2006
Methylene chloride	ND	5.0		µg/Kg	1	4/21/2006
n-Butylbenzene	ND	5.0		µg/Kg	1	4/21/2006
n-Propylbenzene	ND	5.0		µg/Kg	1	4/21/2006
Naphthalene	ND	5.0		µg/Kg	1	4/21/2006
o-Xylene	ND	5.0		µg/Kg	1	4/21/2006
sec-Butylbenzene	ND	5.0		µg/Kg	1	4/21/2006
Styrene	ND	5.0		µg/Kg	1	4/21/2006
tert-Butylbenzene	ND	5.0		µg/Kg	1	4/21/2006
Tetrachloroethene	ND	5.0		µg/Kg	1	4/21/2006
Toluene	ND	5.0		µg/Kg	1	4/21/2006
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	4/21/2006
Trichloroethene	ND	5.0		µg/Kg	1	4/21/2006
Trichlorofluoromethane	ND	5.0		µg/Kg	1	4/21/2006
Vinyl chloride	ND	5.0		µg/Kg	1	4/21/2006
Surr: 1,2-Dichloroethane-d4	122	58-138		%REC	1	4/21/2006
Surr: 4-Bromofluorobenzene	111	74-130		%REC	1	4/21/2006
Surr: Dibromofluoromethane	120	58-135		%REC	1	4/21/2006
Surr: Toluene-d8	118	84-130		%REC	1	4/21/2006

Qualifiers:

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Advanced Technology Laboratories

Date: *28-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083942
Project: I-5 EXPANSION, 105812001
Lab ID: 083942-008

Client Sample ID: NM03-B7-30
Collection Date: 4/19/2006 10:30:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS7_060425A	QC Batch: 27741			PrepDate:	4/25/2006	Analyst: **MFR**
1,2,4-Trichlorobenzene	ND	330		µg/Kg	1	4/25/2006
1,2-Dichlorobenzene	ND	330		µg/Kg	1	4/25/2006
1,3-Dichlorobenzene	ND	330		µg/Kg	1	4/25/2006
1,4-Dichlorobenzene	ND	330		µg/Kg	1	4/25/2006
2,4,5-Trichlorophenol	ND	330		µg/Kg	1	4/25/2006
2,4,6-Trichlorophenol	ND	330		µg/Kg	1	4/25/2006
2,4-Dichlorophenol	ND	1600		µg/Kg	1	4/25/2006
2,4-Dimethylphenol	ND	330		µg/Kg	1	4/25/2006
2,4-Dinitrophenol	ND	1600		µg/Kg	1	4/25/2006
2,4-Dinitrotoluene	ND	330		µg/Kg	1	4/25/2006
2,6-Dinitrotoluene	ND	330		µg/Kg	1	4/25/2006
2-Chloronaphthalene	ND	330		µg/Kg	1	4/25/2006
2-Chlorophenol	ND	330		µg/Kg	1	4/25/2006
2-Methylnaphthalene	ND	330		µg/Kg	1	4/25/2006
2-Methylphenol	ND	330		µg/Kg	1	4/25/2006
2-Nitroaniline	ND	1600		µg/Kg	1	4/25/2006
2-Nitrophenol	ND	330		µg/Kg	1	4/25/2006
3,3´-Dichlorobenzidine	ND	660		µg/Kg	1	4/25/2006
3-Nitroaniline	ND	1600		µg/Kg	1	4/25/2006
4,6-Dinitro-2-methylphenol	ND	1600		µg/Kg	1	4/25/2006
4-Bromophenyl-phenylether	ND	330		µg/Kg	1	4/25/2006
4-Chloro-3-methylphenol	ND	660		µg/Kg	1	4/25/2006
4-Chloroaniline	ND	660		µg/Kg	1	4/25/2006
4-Chlorophenyl-phenylether	ND	330		µg/Kg	1	4/25/2006
4-Methylphenol	ND	330		µg/Kg	1	4/25/2006
4-Nitroaniline	ND	1600		µg/Kg	1	4/25/2006
4-Nitrophenol	ND	1600		µg/Kg	1	4/25/2006
Acenaphthene	ND	330		µg/Kg	1	4/25/2006
Acenaphthylene	ND	330		µg/Kg	1	4/25/2006
Anthracene	ND	330		µg/Kg	1	4/25/2006
Benzidine (M)	ND	1600		µg/Kg	1	4/25/2006
Benzo(a)anthracene	ND	330		µg/Kg	1	4/25/2006
Benzo(a)pyrene	ND	330		µg/Kg	1	4/25/2006
Benzo(b)fluoranthene	ND	330		µg/Kg	1	4/25/2006
Benzo(g,h,i)perylene	ND	330		µg/Kg	1	4/25/2006
Benzo(k)fluoranthene	ND	330		µg/Kg	1	4/25/2006
Benzoic acid	ND	1600		µg/Kg	1	4/25/2006
Benzyl alcohol	ND	660		µg/Kg	1	4/25/2006

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Advanced Technology Laboratories

Date: *28-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083942
Project: I-5 EXPANSION, 105812001
Lab ID: 083942-008

Client Sample ID: NM03-B7-30
Collection Date: 4/19/2006 10:30:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS7_060425A	QC Batch: 27741			PrepDate:	4/25/2006	Analyst: **MFR**
Bis(2-chloroethoxy)methane	ND	330		µg/Kg	1	4/25/2006
Bis(2-chloroethyl)ether	ND	330		µg/Kg	1	4/25/2006
Bis(2-chloroisopropyl)ether	ND	330		µg/Kg	1	4/25/2006
Bis(2-ethylhexyl)phthalate	ND	330		µg/Kg	1	4/25/2006
Butylbenzylphthalate	ND	330		µg/Kg	1	4/25/2006
Chrysene	ND	330		µg/Kg	1	4/25/2006
Di-n-butylphthalate	ND	330		µg/Kg	1	4/25/2006
Di-n-octylphthalate	ND	330		µg/Kg	1	4/25/2006
Dibenz(a,h)anthracene	ND	330		µg/Kg	1	4/25/2006
Dibenzofuran	ND	330		µg/Kg	1	4/25/2006
Diethylphthalate	ND	330		µg/Kg	1	4/25/2006
Dimethylphthalate	ND	330		µg/Kg	1	4/25/2006
Fluoranthene	ND	330		µg/Kg	1	4/25/2006
Fluorene	ND	330		µg/Kg	1	4/25/2006
Hexachlorobenzene	ND	330		µg/Kg	1	4/25/2006
Hexachlorobutadiene	ND	660		µg/Kg	1	4/25/2006
Hexachlorocyclopentadiene	ND	660		µg/Kg	1	4/25/2006
Hexachloroethane	ND	330		µg/Kg	1	4/25/2006
Indeno(1,2,3-cd)pyrene	ND	330		µg/Kg	1	4/25/2006
Isophorone	ND	330		µg/Kg	1	4/25/2006
N-Nitrosodi-n-propylamine	ND	330		µg/Kg	1	4/25/2006
N-Nitrosodiphenylamine	ND	330		µg/Kg	1	4/25/2006
Naphthalene	ND	330		µg/Kg	1	4/25/2006
Nitrobenzene	ND	330		µg/Kg	1	4/25/2006
Pentachlorophenol	ND	1600		µg/Kg	1	4/25/2006
Phenanthrene	ND	330		µg/Kg	1	4/25/2006
Phenol	ND	330		µg/Kg	1	4/25/2006
Pyrene	ND	330		µg/Kg	1	4/25/2006
Surr: 1,2-Dichlorobenzene-d4	72.5	46-105		%REC	1	4/25/2006
Surr: 2,4,6-Tribromophenol	98.0	46-146		%REC	1	4/25/2006
Surr: 2-Chlorophenol-d4	80.8	48-117		%REC	1	4/25/2006
Surr: 2-Fluorobiphenyl	90.5	54-112		%REC	1	4/25/2006
Surr: 2-Fluorophenol	79.8	45-119		%REC	1	4/25/2006
Surr: 4-Terphenyl-d14	89.6	46-135		%REC	1	4/25/2006
Surr: Nitrobenzene-d5	91.1	40-116		%REC	1	4/25/2006
Surr: Phenol-d5	85.9	37-127		%REC	1	4/25/2006

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DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *28-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B7-35
Lab Order:	083942	**Collection Date:**	4/19/2006 10:46:00 AM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083942-009	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
LUFT				**EPA 8015B(M)**		
RunID: GC7_BACK_060423A QC Batch: 27710				PrepDate: 4/21/2006		Analyst: **CBR**
DRO	ND	10		mg/Kg	1	4/23/2006
Surr: p-Terphenyl	89.4	56-131		%REC	1	4/23/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_060421B QC Batch: E06VS089				PrepDate:		Analyst: **TT**
GRO	ND	1.0		mg/Kg	1	4/21/2006
Surr: Bromofluorobenzene (FID)	86.5	42-138		%REC	1	4/21/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060421A QC Batch: R06VS082				PrepDate:		Analyst: **TT**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1	4/21/2006
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	4/21/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	4/21/2006
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	4/21/2006
1,1-Dichloroethane	ND	5.0		µg/Kg	1	4/21/2006
1,1-Dichloroethene	ND	5.0		µg/Kg	1	4/21/2006
1,1-Dichloropropene	ND	5.0		µg/Kg	1	4/21/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1	4/21/2006
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1	4/21/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1	4/21/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1	4/21/2006
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1	4/21/2006
1,2-Dibromoethane	ND	5.0		µg/Kg	1	4/21/2006
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1	4/21/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	4/21/2006
1,2-Dichloropropane	ND	5.0		µg/Kg	1	4/21/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1	4/21/2006
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1	4/21/2006
1,3-Dichloropropane	ND	5.0		µg/Kg	1	4/21/2006
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1	4/21/2006
2,2-Dichloropropane	ND	5.0		µg/Kg	1	4/21/2006
2-Chlorotoluene	ND	5.0		µg/Kg	1	4/21/2006
4-Chlorotoluene	ND	5.0		µg/Kg	1	4/21/2006
4-Isopropyltoluene	ND	5.0		µg/Kg	1	4/21/2006
Benzene	19	5.0		µg/Kg	1	4/21/2006
Bromobenzene	ND	5.0		µg/Kg	1	4/21/2006

Qualifiers:

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H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *28-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083942
Project: I-5 EXPANSION, 105812001
Lab ID: 083942-009

Client Sample ID: NM03-B7-35
Collection Date: 4/19/2006 10:46:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060421A	QC Batch: R06VS082			PrepDate:		Analyst: **TT**
Bromodichloromethane	ND	5.0		µg/Kg	1	4/21/2006
Bromoform	ND	5.0		µg/Kg	1	4/21/2006
Bromomethane	ND	5.0		µg/Kg	1	4/21/2006
Carbon tetrachloride	ND	5.0		µg/Kg	1	4/21/2006
Chlorobenzene	ND	5.0		µg/Kg	1	4/21/2006
Chloroethane	ND	5.0		µg/Kg	1	4/21/2006
Chloroform	ND	5.0		µg/Kg	1	4/21/2006
Chloromethane	ND	5.0		µg/Kg	1	4/21/2006
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	4/21/2006
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	4/21/2006
Dibromochloromethane	ND	5.0		µg/Kg	1	4/21/2006
Dibromomethane	ND	5.0		µg/Kg	1	4/21/2006
Dichlorodifluoromethane	ND	5.0		µg/Kg	1	4/21/2006
Ethylbenzene	ND	5.0		µg/Kg	1	4/21/2006
Hexachlorobutadiene	ND	5.0		µg/Kg	1	4/21/2006
Isopropylbenzene	ND	5.0		µg/Kg	1	4/21/2006
m,p-Xylene	ND	10		µg/Kg	1	4/21/2006
Methylene chloride	ND	5.0		µg/Kg	1	4/21/2006
n-Butylbenzene	ND	5.0		µg/Kg	1	4/21/2006
n-Propylbenzene	ND	5.0		µg/Kg	1	4/21/2006
Naphthalene	ND	5.0		µg/Kg	1	4/21/2006
o-Xylene	ND	5.0		µg/Kg	1	4/21/2006
sec-Butylbenzene	ND	5.0		µg/Kg	1	4/21/2006
Styrene	ND	5.0		µg/Kg	1	4/21/2006
tert-Butylbenzene	ND	5.0		µg/Kg	1	4/21/2006
Tetrachloroethene	ND	5.0		µg/Kg	1	4/21/2006
Toluene	ND	5.0		µg/Kg	1	4/21/2006
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	4/21/2006
Trichloroethene	ND	5.0		µg/Kg	1	4/21/2006
Trichlorofluoromethane	ND	5.0		µg/Kg	1	4/21/2006
Vinyl chloride	ND	5.0		µg/Kg	1	4/21/2006
Surr: 1,2-Dichloroethane-d4	111	58-138		%REC	1	4/21/2006
Surr: 4-Bromofluorobenzene	102	74-130		%REC	1	4/21/2006
Surr: Dibromofluoromethane	108	58-135		%REC	1	4/21/2006
Surr: Toluene-d8	107	84-130		%REC	1	4/21/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
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Advanced Technology Laboratories

Date: *28-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083942
Project: I-5 EXPANSION, 105812001
Lab ID: 083942-009

Client Sample ID: NM03-B7-35
Collection Date: 4/19/2006 10:46:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS7_060425A	QC Batch: 27741				PrepDate: 4/25/2006	Analyst: **MFR**
1,2,4-Trichlorobenzene	ND	330		µg/Kg	1	4/25/2006
1,2-Dichlorobenzene	ND	330		µg/Kg	1	4/25/2006
1,3-Dichlorobenzene	ND	330		µg/Kg	1	4/25/2006
1,4-Dichlorobenzene	ND	330		µg/Kg	1	4/25/2006
2,4,5-Trichlorophenol	ND	330		µg/Kg	1	4/25/2006
2,4,6-Trichlorophenol	ND	330		µg/Kg	1	4/25/2006
2,4-Dichlorophenol	ND	1600		µg/Kg	1	4/25/2006
2,4-Dimethylphenol	ND	330		µg/Kg	1	4/25/2006
2,4-Dinitrophenol	ND	1600		µg/Kg	1	4/25/2006
2,4-Dinitrotoluene	ND	330		µg/Kg	1	4/25/2006
2,6-Dinitrotoluene	ND	330		µg/Kg	1	4/25/2006
2-Chloronaphthalene	ND	330		µg/Kg	1	4/25/2006
2-Chlorophenol	ND	330		µg/Kg	1	4/25/2006
2-Methylnaphthalene	ND	330		µg/Kg	1	4/25/2006
2-Methylphenol	ND	330		µg/Kg	1	4/25/2006
2-Nitroaniline	ND	1600		µg/Kg	1	4/25/2006
2-Nitrophenol	ND	330		µg/Kg	1	4/25/2006
3,3´-Dichlorobenzidine	ND	660		µg/Kg	1	4/25/2006
3-Nitroaniline	ND	1600		µg/Kg	1	4/25/2006
4,6-Dinitro-2-methylphenol	ND	1600		µg/Kg	1	4/25/2006
4-Bromophenyl-phenylether	ND	330		µg/Kg	1	4/25/2006
4-Chloro-3-methylphenol	ND	660		µg/Kg	1	4/25/2006
4-Chloroaniline	ND	660		µg/Kg	1	4/25/2006
4-Chlorophenyl-phenylether	ND	330		µg/Kg	1	4/25/2006
4-Methylphenol	ND	330		µg/Kg	1	4/25/2006
4-Nitroaniline	ND	1600		µg/Kg	1	4/25/2006
4-Nitrophenol	ND	1600		µg/Kg	1	4/25/2006
Acenaphthene	ND	330		µg/Kg	1	4/25/2006
Acenaphthylene	ND	330		µg/Kg	1	4/25/2006
Anthracene	ND	330		µg/Kg	1	4/25/2006
Benzidine (M)	ND	1600		µg/Kg	1	4/25/2006
Benzo(a)anthracene	ND	330		µg/Kg	1	4/25/2006
Benzo(a)pyrene	ND	330		µg/Kg	1	4/25/2006
Benzo(b)fluoranthene	ND	330		µg/Kg	1	4/25/2006
Benzo(g,h,i)perylene	ND	330		µg/Kg	1	4/25/2006
Benzo(k)fluoranthene	ND	330		µg/Kg	1	4/25/2006
Benzoic acid	ND	1600		µg/Kg	1	4/25/2006
Benzyl alcohol	ND	660		µg/Kg	1	4/25/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *28-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083942
Project: I-5 EXPANSION, 105812001
Lab ID: 083942-009

Client Sample ID: NM03-B7-35
Collection Date: 4/19/2006 10:46:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS7_060425A	QC Batch: 27741			PrepDate:	4/25/2006	Analyst: **MFR**
Bis(2-chloroethoxy)methane	ND	330		µg/Kg	1	4/25/2006
Bis(2-chloroethyl)ether	ND	330		µg/Kg	1	4/25/2006
Bis(2-chloroisopropyl)ether	ND	330		µg/Kg	1	4/25/2006
Bis(2-ethylhexyl)phthalate	ND	330		µg/Kg	1	4/25/2006
Butylbenzylphthalate	ND	330		µg/Kg	1	4/25/2006
Chrysene	ND	330		µg/Kg	1	4/25/2006
Di-n-butylphthalate	ND	330		µg/Kg	1	4/25/2006
Di-n-octylphthalate	ND	330		µg/Kg	1	4/25/2006
Dibenz(a,h)anthracene	ND	330		µg/Kg	1	4/25/2006
Dibenzofuran	ND	330		µg/Kg	1	4/25/2006
Diethylphthalate	ND	330		µg/Kg	1	4/25/2006
Dimethylphthalate	ND	330		µg/Kg	1	4/25/2006
Fluoranthene	ND	330		µg/Kg	1	4/25/2006
Fluorene	ND	330		µg/Kg	1	4/25/2006
Hexachlorobenzene	ND	330		µg/Kg	1	4/25/2006
Hexachlorobutadiene	ND	660		µg/Kg	1	4/25/2006
Hexachlorocyclopentadiene	ND	660		µg/Kg	1	4/25/2006
Hexachloroethane	ND	330		µg/Kg	1	4/25/2006
Indeno(1,2,3-cd)pyrene	ND	330		µg/Kg	1	4/25/2006
Isophorone	ND	330		µg/Kg	1	4/25/2006
N-Nitrosodi-n-propylamine	ND	330		µg/Kg	1	4/25/2006
N-Nitrosodiphenylamine	ND	330		µg/Kg	1	4/25/2006
Naphthalene	ND	330		µg/Kg	1	4/25/2006
Nitrobenzene	ND	330		µg/Kg	1	4/25/2006
Pentachlorophenol	ND	1600		µg/Kg	1	4/25/2006
Phenanthrene	ND	330		µg/Kg	1	4/25/2006
Phenol	ND	330		µg/Kg	1	4/25/2006
Pyrene	ND	330		µg/Kg	1	4/25/2006
Surr: 1,2-Dichlorobenzene-d4	76.1	46-105		%REC	1	4/25/2006
Surr: 2,4,6-Tribromophenol	100	46-146		%REC	1	4/25/2006
Surr: 2-Chlorophenol-d4	85.0	48-117		%REC	1	4/25/2006
Surr: 2-Fluorobiphenyl	93.1	54-112		%REC	1	4/25/2006
Surr: 2-Fluorophenol	83.6	45-119		%REC	1	4/25/2006
Surr: 4-Terphenyl-d14	92.6	46-135		%REC	1	4/25/2006
Surr: Nitrobenzene-d5	94.6	40-116		%REC	1	4/25/2006
Surr: Phenol-d5	90.4	37-127		%REC	1	4/25/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *28-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083942
Project: I-5 EXPANSION, 105812001
Lab ID: 083942-010

Client Sample ID: NM03-B7-41
Collection Date: 4/19/2006 11:15:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
LUFT				**EPA 8015B(M)**		
RunID: GC7_BACK_060423A	QC Batch: 27710			PrepDate: 4/21/2006		Analyst: **CBR**
DRO	ND	10		mg/Kg	1	4/23/2006
Surr: p-Terphenyl	78.9	56-131		%REC	1	4/23/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_060421B	QC Batch: E06VS089			PrepDate:		Analyst: **TT**
GRO	ND	1.0		mg/Kg	1	4/21/2006
Surr: Bromofluorobenzene (FID)	85.4	42-138		%REC	1	4/21/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060421A	QC Batch: R06VS082			PrepDate:		Analyst: **TT**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1	4/21/2006
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	4/21/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	4/21/2006
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	4/21/2006
1,1-Dichloroethane	ND	5.0		µg/Kg	1	4/21/2006
1,1-Dichloroethene	ND	5.0		µg/Kg	1	4/21/2006
1,1-Dichloropropene	ND	5.0		µg/Kg	1	4/21/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1	4/21/2006
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1	4/21/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1	4/21/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1	4/21/2006
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1	4/21/2006
1,2-Dibromoethane	ND	5.0		µg/Kg	1	4/21/2006
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1	4/21/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	4/21/2006
1,2-Dichloropropane	ND	5.0		µg/Kg	1	4/21/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1	4/21/2006
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1	4/21/2006
1,3-Dichloropropane	ND	5.0		µg/Kg	1	4/21/2006
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1	4/21/2006
2,2-Dichloropropane	ND	5.0		µg/Kg	1	4/21/2006
2-Chlorotoluene	ND	5.0		µg/Kg	1	4/21/2006
4-Chlorotoluene	ND	5.0		µg/Kg	1	4/21/2006
4-Isopropyltoluene	ND	5.0		µg/Kg	1	4/21/2006
Benzene	ND	5.0		µg/Kg	1	4/21/2006
Bromobenzene	ND	5.0		µg/Kg	1	4/21/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *28-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083942
Project: I-5 EXPANSION, 105812001
Lab ID: 083942-010

Client Sample ID: NM03-B7-41
Collection Date: 4/19/2006 11:15:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060421A	QC Batch: R06VS082			PrepDate:		Analyst: **TT**
Bromodichloromethane	ND	5.0		µg/Kg	1	4/21/2006
Bromoform	ND	5.0		µg/Kg	1	4/21/2006
Bromomethane	ND	5.0		µg/Kg	1	4/21/2006
Carbon tetrachloride	ND	5.0		µg/Kg	1	4/21/2006
Chlorobenzene	ND	5.0		µg/Kg	1	4/21/2006
Chloroethane	ND	5.0		µg/Kg	1	4/21/2006
Chloroform	ND	5.0		µg/Kg	1	4/21/2006
Chloromethane	ND	5.0		µg/Kg	1	4/21/2006
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	4/21/2006
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	4/21/2006
Dibromochloromethane	ND	5.0		µg/Kg	1	4/21/2006
Dibromomethane	ND	5.0		µg/Kg	1	4/21/2006
Dichlorodifluoromethane	ND	5.0		µg/Kg	1	4/21/2006
Ethylbenzene	ND	5.0		µg/Kg	1	4/21/2006
Hexachlorobutadiene	ND	5.0		µg/Kg	1	4/21/2006
Isopropylbenzene	ND	5.0		µg/Kg	1	4/21/2006
m,p-Xylene	ND	10		µg/Kg	1	4/21/2006
Methylene chloride	ND	5.0		µg/Kg	1	4/21/2006
n-Butylbenzene	ND	5.0		µg/Kg	1	4/21/2006
n-Propylbenzene	ND	5.0		µg/Kg	1	4/21/2006
Naphthalene	ND	5.0		µg/Kg	1	4/21/2006
o-Xylene	ND	5.0		µg/Kg	1	4/21/2006
sec-Butylbenzene	ND	5.0		µg/Kg	1	4/21/2006
Styrene	ND	5.0		µg/Kg	1	4/21/2006
tert-Butylbenzene	ND	5.0		µg/Kg	1	4/21/2006
Tetrachloroethene	ND	5.0		µg/Kg	1	4/21/2006
Toluene	ND	5.0		µg/Kg	1	4/21/2006
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	4/21/2006
Trichloroethene	ND	5.0		µg/Kg	1	4/21/2006
Trichlorofluoromethane	ND	5.0		µg/Kg	1	4/21/2006
Vinyl chloride	ND	5.0		µg/Kg	1	4/21/2006
Surr: 1,2-Dichloroethane-d4	106	58-138		%REC	1	4/21/2006
Surr: 4-Bromofluorobenzene	98.6	74-130		%REC	1	4/21/2006
Surr: Dibromofluoromethane	106	58-135		%REC	1	4/21/2006
Surr: Toluene-d8	103	84-130		%REC	1	4/21/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *28-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B7-41
Lab Order:	083942	**Collection Date:**	4/19/2006 11:15:00 AM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083942-010	**Matrix:**	SOIL

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B **EPA 8270C**

RunID: MS7_060425A QC Batch: 27741 PrepDate: 4/25/2006 Analyst: **MFR**

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
1,2,4-Trichlorobenzene	ND	330		µg/Kg	1	4/25/2006
1,2-Dichlorobenzene	ND	330		µg/Kg	1	4/25/2006
1,3-Dichlorobenzene	ND	330		µg/Kg	1	4/25/2006
1,4-Dichlorobenzene	ND	330		µg/Kg	1	4/25/2006
2,4,5-Trichlorophenol	ND	330		µg/Kg	1	4/25/2006
2,4,6-Trichlorophenol	ND	330		µg/Kg	1	4/25/2006
2,4-Dichlorophenol	ND	1600		µg/Kg	1	4/25/2006
2,4-Dimethylphenol	ND	330		µg/Kg	1	4/25/2006
2,4-Dinitrophenol	ND	1600		µg/Kg	1	4/25/2006
2,4-Dinitrotoluene	ND	330		µg/Kg	1	4/25/2006
2,6-Dinitrotoluene	ND	330		µg/Kg	1	4/25/2006
2-Chloronaphthalene	ND	330		µg/Kg	1	4/25/2006
2-Chlorophenol	ND	330		µg/Kg	1	4/25/2006
2-Methylnaphthalene	ND	330		µg/Kg	1	4/25/2006
2-Methylphenol	ND	330		µg/Kg	1	4/25/2006
2-Nitroaniline	ND	1600		µg/Kg	1	4/25/2006
2-Nitrophenol	ND	330		µg/Kg	1	4/25/2006
3,3´-Dichlorobenzidine	ND	660		µg/Kg	1	4/25/2006
3-Nitroaniline	ND	1600		µg/Kg	1	4/25/2006
4,6-Dinitro-2-methylphenol	ND	1600		µg/Kg	1	4/25/2006
4-Bromophenyl-phenylether	ND	330		µg/Kg	1	4/25/2006
4-Chloro-3-methylphenol	ND	660		µg/Kg	1	4/25/2006
4-Chloroaniline	ND	660		µg/Kg	1	4/25/2006
4-Chlorophenyl-phenylether	ND	330		µg/Kg	1	4/25/2006
4-Methylphenol	ND	330		µg/Kg	1	4/25/2006
4-Nitroaniline	ND	1600		µg/Kg	1	4/25/2006
4-Nitrophenol	ND	1600		µg/Kg	1	4/25/2006
Acenaphthene	ND	330		µg/Kg	1	4/25/2006
Acenaphthylene	ND	330		µg/Kg	1	4/25/2006
Anthracene	ND	330		µg/Kg	1	4/25/2006
Benzidine (M)	ND	1600		µg/Kg	1	4/25/2006
Benzo(a)anthracene	ND	330		µg/Kg	1	4/25/2006
Benzo(a)pyrene	ND	330		µg/Kg	1	4/25/2006
Benzo(b)fluoranthene	ND	330		µg/Kg	1	4/25/2006
Benzo(g,h,i)perylene	ND	330		µg/Kg	1	4/25/2006
Benzo(k)fluoranthene	ND	330		µg/Kg	1	4/25/2006
Benzoic acid	ND	1600		µg/Kg	1	4/25/2006
Benzyl alcohol	ND	660		µg/Kg	1	4/25/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *28-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083942
Project: I-5 EXPANSION, 105812001
Lab ID: 083942-010

Client Sample ID: NM03-B7-41
Collection Date: 4/19/2006 11:15:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS7_060425A	QC Batch: 27741			PrepDate:	4/25/2006	Analyst: **MFR**
Bis(2-chloroethoxy)methane	ND	330		µg/Kg	1	4/25/2006
Bis(2-chloroethyl)ether	ND	330		µg/Kg	1	4/25/2006
Bis(2-chloroisopropyl)ether	ND	330		µg/Kg	1	4/25/2006
Bis(2-ethylhexyl)phthalate	ND	330		µg/Kg	1	4/25/2006
Butylbenzylphthalate	ND	330		µg/Kg	1	4/25/2006
Chrysene	ND	330		µg/Kg	1	4/25/2006
Di-n-butylphthalate	ND	330		µg/Kg	1	4/25/2006
Di-n-octylphthalate	ND	330		µg/Kg	1	4/25/2006
Dibenz(a,h)anthracene	ND	330		µg/Kg	1	4/25/2006
Dibenzofuran	ND	330		µg/Kg	1	4/25/2006
Diethylphthalate	ND	330		µg/Kg	1	4/25/2006
Dimethylphthalate	ND	330		µg/Kg	1	4/25/2006
Fluoranthene	ND	330		µg/Kg	1	4/25/2006
Fluorene	ND	330		µg/Kg	1	4/25/2006
Hexachlorobenzene	ND	330		µg/Kg	1	4/25/2006
Hexachlorobutadiene	ND	660		µg/Kg	1	4/25/2006
Hexachlorocyclopentadiene	ND	660		µg/Kg	1	4/25/2006
Hexachloroethane	ND	330		µg/Kg	1	4/25/2006
Indeno(1,2,3-cd)pyrene	ND	330		µg/Kg	1	4/25/2006
Isophorone	ND	330		µg/Kg	1	4/25/2006
N-Nitrosodi-n-propylamine	ND	330		µg/Kg	1	4/25/2006
N-Nitrosodiphenylamine	ND	330		µg/Kg	1	4/25/2006
Naphthalene	ND	330		µg/Kg	1	4/25/2006
Nitrobenzene	ND	330		µg/Kg	1	4/25/2006
Pentachlorophenol	ND	1600		µg/Kg	1	4/25/2006
Phenanthrene	ND	330		µg/Kg	1	4/25/2006
Phenol	ND	330		µg/Kg	1	4/25/2006
Pyrene	ND	330		µg/Kg	1	4/25/2006
Surr: 1,2-Dichlorobenzene-d4	72.6	46-105		%REC	1	4/25/2006
Surr: 2,4,6-Tribromophenol	101	46-146		%REC	1	4/25/2006
Surr: 2-Chlorophenol-d4	82.4	48-117		%REC	1	4/25/2006
Surr: 2-Fluorobiphenyl	92.1	54-112		%REC	1	4/25/2006
Surr: 2-Fluorophenol	81.1	45-119		%REC	1	4/25/2006
Surr: 4-Terphenyl-d14	93.7	46-135		%REC	1	4/25/2006
Surr: Nitrobenzene-d5	93.5	40-116		%REC	1	4/25/2006
Surr: Phenol-d5	87.9	37-127		%REC	1	4/25/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *28-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083942
Project: I-5 EXPANSION, 105812001
Lab ID: 083942-014

Client Sample ID: NM03-B7-GW
Collection Date: 4/19/2006 12:45:00 PM
Matrix: GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3510C				**EPA 8015B(M)**		
RunID: GC7_BACK_060425B QC Batch: 27759				PrepDate: 4/26/2006		Analyst: **CBR**
DRO	0.52	0.20		mg/L	1	4/26/2006
Surr: p-Terphenyl	59.8	32-125		%REC	1	4/26/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC6_060421A QC Batch: I06VW101				PrepDate:		Analyst: **EA**
GRO	0.64	0.20		mg/L	1	4/21/2006
Surr: Bromofluorobenzene (FID)	107	76-125		%REC	1	4/21/2006
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3510C				**EPA 8270C**		
RunID: MS6_060425A QC Batch: 27736				PrepDate: 4/25/2006		Analyst: **MFR**
1,2,4-Trichlorobenzene	ND	14		µg/L	1	4/25/2006
1,2-Dichlorobenzene	ND	14		µg/L	1	4/25/2006
1,3-Dichlorobenzene	ND	14		µg/L	1	4/25/2006
1,4-Dichlorobenzene	ND	14		µg/L	1	4/25/2006
2,4,5-Trichlorophenol	ND	14		µg/L	1	4/25/2006
2,4,6-Trichlorophenol	ND	14		µg/L	1	4/25/2006
2,4-Dichlorophenol	ND	14		µg/L	1	4/25/2006
2,4-Dimethylphenol	ND	14		µg/L	1	4/25/2006
2,4-Dinitrophenol	ND	71		µg/L	1	4/25/2006
2,4-Dinitrotoluene	ND	14		µg/L	1	4/25/2006
2,6-Dinitrotoluene	ND	14		µg/L	1	4/25/2006
2-Chloronaphthalene	ND	14		µg/L	1	4/25/2006
2-Chlorophenol	ND	14		µg/L	1	4/25/2006
2-Methylnaphthalene	ND	14		µg/L	1	4/25/2006
2-Methylphenol	ND	14		µg/L	1	4/25/2006
2-Nitroaniline	ND	71		µg/L	1	4/25/2006
2-Nitrophenol	ND	14		µg/L	1	4/25/2006
3,3´-Dichlorobenzidine	ND	29		µg/L	1	4/25/2006
3-Nitroaniline	ND	71		µg/L	1	4/25/2006
4,6-Dinitro-2-methylphenol	ND	71		µg/L	1	4/25/2006
4-Bromophenyl-phenylether	ND	14		µg/L	1	4/25/2006
4-Chloro-3-methylphenol	ND	71		µg/L	1	4/25/2006
4-Chloroaniline	ND	29		µg/L	1	4/25/2006
4-Chlorophenyl-phenylether	ND	14		µg/L	1	4/25/2006
4-Methylphenol	ND	14		µg/L	1	4/25/2006
4-Nitroaniline	ND	29		µg/L	1	4/25/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *28-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083942
Project: I-5 EXPANSION, 105812001
Lab ID: 083942-014

Client Sample ID: NM03-B7-GW
Collection Date: 4/19/2006 12:45:00 PM
Matrix: GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3510C				**EPA 8270C**		
RunID: MS6_060425A	QC Batch: 27736				PrepDate: 4/25/2006	Analyst: **MFR**
4-Nitrophenol	ND	71		µg/L	1	4/25/2006
Acenaphthene	ND	14		µg/L	1	4/25/2006
Acenaphthylene	ND	14		µg/L	1	4/25/2006
Anthracene	ND	14		µg/L	1	4/25/2006
Benzidine (M)	ND	71		µg/L	1	4/25/2006
Benzo(a)anthracene	ND	14		µg/L	1	4/25/2006
Benzo(a)pyrene	ND	14		µg/L	1	4/25/2006
Benzo(b)fluoranthene	ND	14		µg/L	1	4/25/2006
Benzo(g,h,i)perylene	ND	14		µg/L	1	4/25/2006
Benzo(k)fluoranthene	ND	14		µg/L	1	4/25/2006
Benzoic acid	ND	71		µg/L	1	4/25/2006
Benzyl alcohol	ND	29		µg/L	1	4/25/2006
Bis(2-chloroethoxy)methane	ND	14		µg/L	1	4/25/2006
Bis(2-chloroethyl)ether	ND	14		µg/L	1	4/25/2006
Bis(2-chloroisopropyl)ether	ND	14		µg/L	1	4/25/2006
Bis(2-ethylhexyl)phthalate	ND	14		µg/L	1	4/25/2006
Butylbenzylphthalate	ND	14		µg/L	1	4/25/2006
Chrysene	ND	14		µg/L	1	4/25/2006
Di-n-butylphthalate	ND	14		µg/L	1	4/25/2006
Di-n-octylphthalate	ND	14		µg/L	1	4/25/2006
Dibenz(a,h)anthracene	ND	14		µg/L	1	4/25/2006
Dibenzofuran	ND	14		µg/L	1	4/25/2006
Diethylphthalate	ND	14		µg/L	1	4/25/2006
Dimethylphthalate	ND	14		µg/L	1	4/25/2006
Fluoranthene	ND	14		µg/L	1	4/25/2006
Fluorene	ND	14		µg/L	1	4/25/2006
Hexachlorobenzene	ND	14		µg/L	1	4/25/2006
Hexachlorobutadiene	ND	29		µg/L	1	4/25/2006
Hexachlorocyclopentadiene	ND	14		µg/L	1	4/25/2006
Hexachloroethane	ND	14		µg/L	1	4/25/2006
Indeno(1,2,3-cd)pyrene	ND	14		µg/L	1	4/25/2006
Isophorone	ND	14		µg/L	1	4/25/2006
N-Nitrosodi-n-propylamine	ND	14		µg/L	1	4/25/2006
N-Nitrosodiphenylamine	ND	14		µg/L	1	4/25/2006
Naphthalene	ND	14		µg/L	1	4/25/2006
Nitrobenzene	ND	14		µg/L	1	4/25/2006
Pentachlorophenol	ND	71		µg/L	1	4/25/2006
Phenanthrene	ND	14		µg/L	1	4/25/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *28-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083942
Project: I-5 EXPANSION, 105812001
Lab ID: 083942-014

Client Sample ID: NM03-B7-GW
Collection Date: 4/19/2006 12:45:00 PM
Matrix: GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3510C				**EPA 8270C**		
RunID: MS6_060425A	QC Batch: 27736			PrepDate: 4/25/2006		Analyst: **MFR**
Phenol	ND	14		µg/L	1	4/25/2006
Pyrene	ND	14		µg/L	1	4/25/2006
Surr: 1,2-Dichlorobenzene-d4	80.9	41-103		%REC	1	4/25/2006
Surr: 2,4,6-Tribromophenol	98.4	55-137		%REC	1	4/25/2006
Surr: 2-Chlorophenol-d4	74.9	34-117		%REC	1	4/25/2006
Surr: 2-Fluorobiphenyl	94.3	49-114		%REC	1	4/25/2006
Surr: 2-Fluorophenol	53.9	24-74		%REC	1	4/25/2006
Surr: 4-Terphenyl-d14	105	42-138		%REC	1	4/25/2006
Surr: Nitrobenzene-d5	94.7	47-115		%REC	1	4/25/2006
Surr: Phenol-d5	41.4	16-63		%REC	1	4/25/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060421A	QC Batch: Q06VW080			PrepDate:		Analyst: **HH**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	4/21/2006
1,1,1-Trichloroethane	ND	5.0		µg/L	1	4/21/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	4/21/2006
1,1,2-Trichloroethane	ND	5.0		µg/L	1	4/21/2006
1,1-Dichloroethane	ND	5.0		µg/L	1	4/21/2006
1,1-Dichloroethene	ND	5.0		µg/L	1	4/21/2006
1,1-Dichloropropene	ND	5.0		µg/L	1	4/21/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/L	1	4/21/2006
1,2,3-Trichloropropane	ND	5.0		µg/L	1	4/21/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	4/21/2006
1,2,4-Trimethylbenzene	25	5.0		µg/L	1	4/21/2006
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	4/21/2006
1,2-Dibromoethane	ND	5.0		µg/L	1	4/21/2006
1,2-Dichlorobenzene	ND	5.0		µg/L	1	4/21/2006
1,2-Dichloroethane	ND	5.0		µg/L	1	4/21/2006
1,2-Dichloropropane	ND	5.0		µg/L	1	4/21/2006
1,3,5-Trimethylbenzene	18	5.0		µg/L	1	4/21/2006
1,3-Dichlorobenzene	ND	5.0		µg/L	1	4/21/2006
1,3-Dichloropropane	ND	5.0		µg/L	1	4/21/2006
1,4-Dichlorobenzene	ND	5.0		µg/L	1	4/21/2006
2,2-Dichloropropane	ND	5.0		µg/L	1	4/21/2006
2-Chlorotoluene	ND	5.0		µg/L	1	4/21/2006
4-Chlorotoluene	ND	5.0		µg/L	1	4/21/2006
4-Isopropyltoluene	ND	5.0		µg/L	1	4/21/2006

Qualifiers:

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S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *28-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083942
Project: I-5 EXPANSION, 105812001
Lab ID: 083942-014

Client Sample ID: NM03-B7-GW
Collection Date: 4/19/2006 12:45:00 PM
Matrix: GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060421A	QC Batch:	Q06VW080			PrepDate:	Analyst: **HH**
Benzene	13	5.0		µg/L	1	4/21/2006
Bromobenzene	ND	5.0		µg/L	1	4/21/2006
Bromodichloromethane	ND	5.0		µg/L	1	4/21/2006
Bromoform	ND	5.0		µg/L	1	4/21/2006
Bromomethane	ND	5.0		µg/L	1	4/21/2006
Carbon tetrachloride	ND	5.0		µg/L	1	4/21/2006
Chlorobenzene	ND	5.0		µg/L	1	4/21/2006
Chloroethane	ND	5.0		µg/L	1	4/21/2006
Chloroform	ND	5.0		µg/L	1	4/21/2006
Chloromethane	ND	5.0		µg/L	1	4/21/2006
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	4/21/2006
Dibromochloromethane	ND	5.0		µg/L	1	4/21/2006
Dibromomethane	ND	5.0		µg/L	1	4/21/2006
Dichlorodifluoromethane	ND	5.0		µg/L	1	4/21/2006
Ethylbenzene	18	5.0		µg/L	1	4/21/2006
Hexachlorobutadiene	ND	5.0		µg/L	1	4/21/2006
Isopropylbenzene	ND	5.0		µg/L	1	4/21/2006
m,p-Xylene	96	10		µg/L	1	4/21/2006
Methylene chloride	ND	5.0		µg/L	1	4/21/2006
n-Butylbenzene	ND	5.0		µg/L	1	4/21/2006
n-Propylbenzene	5.3	5.0		µg/L	1	4/21/2006
Naphthalene	10	5.0		µg/L	1	4/21/2006
o-Xylene	10	5.0		µg/L	1	4/21/2006
sec-Butylbenzene	ND	5.0		µg/L	1	4/21/2006
Styrene	ND	5.0		µg/L	1	4/21/2006
tert-Butylbenzene	ND	5.0		µg/L	1	4/21/2006
Tetrachloroethene	ND	5.0		µg/L	1	4/21/2006
Toluene	ND	5.0		µg/L	1	4/21/2006
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	4/21/2006
Trichloroethene	ND	5.0		µg/L	1	4/21/2006
Trichlorofluoromethane	ND	5.0		µg/L	1	4/21/2006
Vinyl chloride	ND	5.0		µg/L	1	4/21/2006
Surr: 1,2-Dichloroethane-d4	106	70-126		%REC	1	4/21/2006
Surr: 4-Bromofluorobenzene	110	63-134		%REC	1	4/21/2006
Surr: Dibromofluoromethane	107	73-124		%REC	1	4/21/2006
Surr: Toluene-d8	109	84-123		%REC	1	4/21/2006

Qualifiers:

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S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *28-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B7-Equip
Lab Order:	083942	**Collection Date:**	4/19/2006 1:10:00 PM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083942-015	**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3510C				**EPA 8015B(M)**		
RunID: GC7_BACK_060425B QC Batch: 27759				PrepDate:	4/26/2006	Analyst: **CBR**
DRO	ND	0.20		mg/L	1	4/26/2006
Surr: p-Terphenyl	66.8	32-125		%REC	1	4/26/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC6_060421A QC Batch: I06VW101				PrepDate:		Analyst: **EA**
GRO	ND	0.20		mg/L	1	4/21/2006
Surr: Bromofluorobenzene (FID)	100	76-125		%REC	1	4/21/2006
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3510C				**EPA 8270C**		
RunID: MS6_060425A QC Batch: 27736				PrepDate:	4/25/2006	Analyst: **MFR**
1,2,4-Trichlorobenzene	ND	10		µg/L	1	4/25/2006
1,2-Dichlorobenzene	ND	10		µg/L	1	4/25/2006
1,3-Dichlorobenzene	ND	10		µg/L	1	4/25/2006
1,4-Dichlorobenzene	ND	10		µg/L	1	4/25/2006
2,4,5-Trichlorophenol	ND	10		µg/L	1	4/25/2006
2,4,6-Trichlorophenol	ND	10		µg/L	1	4/25/2006
2,4-Dichlorophenol	ND	10		µg/L	1	4/25/2006
2,4-Dimethylphenol	ND	10		µg/L	1	4/25/2006
2,4-Dinitrophenol	ND	50		µg/L	1	4/25/2006
2,4-Dinitrotoluene	ND	10		µg/L	1	4/25/2006
2,6-Dinitrotoluene	ND	10		µg/L	1	4/25/2006
2-Chloronaphthalene	ND	10		µg/L	1	4/25/2006
2-Chlorophenol	ND	10		µg/L	1	4/25/2006
2-Methylnaphthalene	ND	10		µg/L	1	4/25/2006
2-Methylphenol	ND	10		µg/L	1	4/25/2006
2-Nitroaniline	ND	50		µg/L	1	4/25/2006
2-Nitrophenol	ND	10		µg/L	1	4/25/2006
3,3´-Dichlorobenzidine	ND	20		µg/L	1	4/25/2006
3-Nitroaniline	ND	50		µg/L	1	4/25/2006
4,6-Dinitro-2-methylphenol	ND	50		µg/L	1	4/25/2006
4-Bromophenyl-phenylether	ND	10		µg/L	1	4/25/2006
4-Chloro-3-methylphenol	ND	50		µg/L	1	4/25/2006
4-Chloroaniline	ND	20		µg/L	1	4/25/2006
4-Chlorophenyl-phenylether	ND	10		µg/L	1	4/25/2006
4-Methylphenol	ND	10		µg/L	1	4/25/2006
4-Nitroaniline	ND	20		µg/L	1	4/25/2006

Qualifiers:

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H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *28-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083942
Project: I-5 EXPANSION, 105812001
Lab ID: 083942-015

Client Sample ID: NM03-B7-Equip
Collection Date: 4/19/2006 1:10:00 PM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3510C				**EPA 8270C**		
RunID: MS6_060425A	QC Batch: 27736				PrepDate: 4/25/2006	Analyst: **MFR**
4-Nitrophenol	ND	50		µg/L	1	4/25/2006
Acenaphthene	ND	10		µg/L	1	4/25/2006
Acenaphthylene	ND	10		µg/L	1	4/25/2006
Anthracene	ND	10		µg/L	1	4/25/2006
Benzidine (M)	ND	50		µg/L	1	4/25/2006
Benzo(a)anthracene	ND	10		µg/L	1	4/25/2006
Benzo(a)pyrene	ND	10		µg/L	1	4/25/2006
Benzo(b)fluoranthene	ND	10		µg/L	1	4/25/2006
Benzo(g,h,i)perylene	ND	10		µg/L	1	4/25/2006
Benzo(k)fluoranthene	ND	10		µg/L	1	4/25/2006
Benzoic acid	ND	50		µg/L	1	4/25/2006
Benzyl alcohol	ND	20		µg/L	1	4/25/2006
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	4/25/2006
Bis(2-chloroethyl)ether	ND	10		µg/L	1	4/25/2006
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	4/25/2006
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	4/25/2006
Butylbenzylphthalate	ND	10		µg/L	1	4/25/2006
Chrysene	ND	10		µg/L	1	4/25/2006
Di-n-butylphthalate	ND	10		µg/L	1	4/25/2006
Di-n-octylphthalate	ND	10		µg/L	1	4/25/2006
Dibenz(a,h)anthracene	ND	10		µg/L	1	4/25/2006
Dibenzofuran	ND	10		µg/L	1	4/25/2006
Diethylphthalate	ND	10		µg/L	1	4/25/2006
Dimethylphthalate	ND	10		µg/L	1	4/25/2006
Fluoranthene	ND	10		µg/L	1	4/25/2006
Fluorene	ND	10		µg/L	1	4/25/2006
Hexachlorobenzene	ND	10		µg/L	1	4/25/2006
Hexachlorobutadiene	ND	20		µg/L	1	4/25/2006
Hexachlorocyclopentadiene	ND	10		µg/L	1	4/25/2006
Hexachloroethane	ND	10		µg/L	1	4/25/2006
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	4/25/2006
Isophorone	ND	10		µg/L	1	4/25/2006
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	4/25/2006
N-Nitrosodiphenylamine	ND	10		µg/L	1	4/25/2006
Naphthalene	ND	10		µg/L	1	4/25/2006
Nitrobenzene	ND	10		µg/L	1	4/25/2006
Pentachlorophenol	ND	50		µg/L	1	4/25/2006
Phenanthrene	ND	10		µg/L	1	4/25/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
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Advanced Technology Laboratories

Date: *28-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083942
Project: I-5 EXPANSION, 105812001
Lab ID: 083942-015

Client Sample ID: NM03-B7-Equip
Collection Date: 4/19/2006 1:10:00 PM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3510C				**EPA 8270C**		
RunID: MS6_060425A	QC Batch: 27736			PrepDate: 4/25/2006		Analyst: **MFR**
Phenol	ND	10		µg/L	1	4/25/2006
Pyrene	ND	10		µg/L	1	4/25/2006
Surr: 1,2-Dichlorobenzene-d4	73.0	41-103		%REC	1	4/25/2006
Surr: 2,4,6-Tribromophenol	98.0	55-137		%REC	1	4/25/2006
Surr: 2-Chlorophenol-d4	68.4	34-117		%REC	1	4/25/2006
Surr: 2-Fluorobiphenyl	81.2	49-114		%REC	1	4/25/2006
Surr: 2-Fluorophenol	42.2	24-74		%REC	1	4/25/2006
Surr: 4-Terphenyl-d14	112	42-138		%REC	1	4/25/2006
Surr: Nitrobenzene-d5	86.0	47-115		%REC	1	4/25/2006
Surr: Phenol-d5	27.9	16-63		%REC	1	4/25/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060421A	QC Batch: Q06VW080			PrepDate:		Analyst: **HH**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	4/21/2006
1,1,1-Trichloroethane	ND	5.0		µg/L	1	4/21/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	4/21/2006
1,1,2-Trichloroethane	ND	5.0		µg/L	1	4/21/2006
1,1-Dichloroethane	ND	5.0		µg/L	1	4/21/2006
1,1-Dichloroethene	ND	5.0		µg/L	1	4/21/2006
1,1-Dichloropropene	ND	5.0		µg/L	1	4/21/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/L	1	4/21/2006
1,2,3-Trichloropropane	ND	5.0		µg/L	1	4/21/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	4/21/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/L	1	4/21/2006
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	4/21/2006
1,2-Dibromoethane	ND	5.0		µg/L	1	4/21/2006
1,2-Dichlorobenzene	ND	5.0		µg/L	1	4/21/2006
1,2-Dichloroethane	ND	5.0		µg/L	1	4/21/2006
1,2-Dichloropropane	ND	5.0		µg/L	1	4/21/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	4/21/2006
1,3-Dichlorobenzene	ND	5.0		µg/L	1	4/21/2006
1,3-Dichloropropane	ND	5.0		µg/L	1	4/21/2006
1,4-Dichlorobenzene	ND	5.0		µg/L	1	4/21/2006
2,2-Dichloropropane	ND	5.0		µg/L	1	4/21/2006
2-Chlorotoluene	ND	5.0		µg/L	1	4/21/2006
4-Chlorotoluene	ND	5.0		µg/L	1	4/21/2006
4-Isopropyltoluene	ND	5.0		µg/L	1	4/21/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *28-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083942
Project: I-5 EXPANSION, 105812001
Lab ID: 083942-015

Client Sample ID: NM03-B7-Equip
Collection Date: 4/19/2006 1:10:00 PM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060421A	QC Batch:	Q06VW080			PrepDate:	Analyst: **HH**
Benzene	ND	5.0		µg/L	1	4/21/2006
Bromobenzene	ND	5.0		µg/L	1	4/21/2006
Bromodichloromethane	ND	5.0		µg/L	1	4/21/2006
Bromoform	ND	5.0		µg/L	1	4/21/2006
Bromomethane	ND	5.0		µg/L	1	4/21/2006
Carbon tetrachloride	ND	5.0		µg/L	1	4/21/2006
Chlorobenzene	ND	5.0		µg/L	1	4/21/2006
Chloroethane	ND	5.0		µg/L	1	4/21/2006
Chloroform	ND	5.0		µg/L	1	4/21/2006
Chloromethane	ND	5.0		µg/L	1	4/21/2006
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	4/21/2006
Dibromochloromethane	ND	5.0		µg/L	1	4/21/2006
Dibromomethane	ND	5.0		µg/L	1	4/21/2006
Dichlorodifluoromethane	ND	5.0		µg/L	1	4/21/2006
Ethylbenzene	ND	5.0		µg/L	1	4/21/2006
Hexachlorobutadiene	ND	5.0		µg/L	1	4/21/2006
Isopropylbenzene	ND	5.0		µg/L	1	4/21/2006
m,p-Xylene	ND	10		µg/L	1	4/21/2006
Methylene chloride	ND	5.0		µg/L	1	4/21/2006
n-Butylbenzene	ND	5.0		µg/L	1	4/21/2006
n-Propylbenzene	ND	5.0		µg/L	1	4/21/2006
Naphthalene	ND	5.0		µg/L	1	4/21/2006
o-Xylene	ND	5.0		µg/L	1	4/21/2006
sec-Butylbenzene	ND	5.0		µg/L	1	4/21/2006
Styrene	ND	5.0		µg/L	1	4/21/2006
tert-Butylbenzene	ND	5.0		µg/L	1	4/21/2006
Tetrachloroethene	ND	5.0		µg/L	1	4/21/2006
Toluene	ND	5.0		µg/L	1	4/21/2006
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	4/21/2006
Trichloroethene	ND	5.0		µg/L	1	4/21/2006
Trichlorofluoromethane	ND	5.0		µg/L	1	4/21/2006
Vinyl chloride	ND	5.0		µg/L	1	4/21/2006
Surr: 1,2-Dichloroethane-d4	108	70-126		%REC	1	4/21/2006
Surr: 4-Bromofluorobenzene	97.0	63-134		%REC	1	4/21/2006
Surr: Dibromofluoromethane	108	73-124		%REC	1	4/21/2006
Surr: Toluene-d8	93.0	84-123		%REC	1	4/21/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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CLIENT: Ninyo & Moore
Work Order: 083942
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **MB-27760** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/26/2006** RunNo: **62668**
Client ID: **PBS** Batch ID: **27760** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/26/2006** SeqNo: **927096**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID: **LCS-27760** SampType: **LCS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/26/2006** RunNo: **62668**
Client ID: **LCSS** Batch ID: **27760** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/26/2006** SeqNo: **927097**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	250	1.0	250.0	0	101	80	120				

Sample ID: **083942-002ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/26/2006** RunNo: **62668**
Client ID: **NM03-B7-1.0** Batch ID: **27760** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/26/2006** SeqNo: **927099**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	11	1.0						6.386	51.1	20	R

Sample ID: **083942-002AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/26/2006** RunNo: **62668**
Client ID: **NM03-B7-1.0** Batch ID: **27760** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/26/2006** SeqNo: **927100**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	200	1.0	250.0	6.386	79.0	31	122				

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interferenc	DO	Surrogate Diluted Out
	Calculations are based on raw values				

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CLIENT: Ninyo & Moore
Work Order: 083942
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DSL H

Sample ID: **MB-27710** SampType: **MBLK** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **4/21/2006** RunNo: **62449**
Client ID: **PBS** Batch ID: **27710** TestNo: **EPA 8015B(M LUFT** Analysis Date: **4/21/2006** SeqNo: **924488**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	10									
Surr: p-Terphenyl	75		80.00		93.6	56	131				

Sample ID: **LCS-27710** SampType: **LCS** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **4/21/2006** RunNo: **62449**
Client ID: **LCSS** Batch ID: **27710** TestNo: **EPA 8015B(M LUFT** Analysis Date: **4/21/2006** SeqNo: **924489**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	960	10	1000	0	96.0	67	131				
Surr: p-Terphenyl	92		80.00		115	56	131				

Sample ID: **083944-003AMS** SampType: **MS** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **4/21/2006** RunNo: **62449**
Client ID: **ZZZZZZ** Batch ID: **27710** TestNo: **EPA 8015B(M LUFT** Analysis Date: **4/21/2006** SeqNo: **924748**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	870	10	1000	0	87.2	49	140				
Surr: p-Terphenyl	89		80.00		111	56	131				

Sample ID: **083944-003AMSD** SampType: **MSD** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **4/21/2006** RunNo: **62449**
Client ID: **ZZZZZZ** Batch ID: **27710** TestNo: **EPA 8015B(M LUFT** Analysis Date: **4/21/2006** SeqNo: **924774**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	960	10	1000	0	95.8	49	140	871.6	9.49	30	
Surr: p-Terphenyl	99		80.00		124	56	131		0	30	

Sample ID: **MB-27710** SampType: **MBLK** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **4/21/2006** RunNo: **62512**
Client ID: **PBS** Batch ID: **27710** TestNo: **EPA 8015B(M LUFT** Analysis Date: **4/23/2006** SeqNo: **925190**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	10									
Surr: p-Terphenyl	68		80.00		84.9	56	131				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DSL H

Sample ID: **LCS-27710** SampType: **LCS** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **4/21/2006** RunNo: **62512**
Client ID: **LCSS** Batch ID: **27710** TestNo: **EPA 8015B(M LUFT** Analysis Date: **4/23/2006** SeqNo: **925191**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1200	10	1000	0	120	67	131				
Surr: p-Terphenyl	90		80.00		112	56	131				

Sample ID: **083942-008ADup** SampType: **Dup** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **4/21/2006** RunNo: **62512**
Client ID: **NM03-B7-30** Batch ID: **27710** TestNo: **EPA 8015B(M LUFT** Analysis Date: **4/23/2006** SeqNo: **925536**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	10						0	0	30	
Surr: p-Terphenyl	69		80.00		86.3	56	131		0	0	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interferenc	DO	Surrogate Diluted Out
	Calculations are based on raw values				

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID: **E042106MB2** SampType: **MBLK** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **62540**
Client ID: **PBS** Batch ID: **E06VS089** TestNo: **EPA 8015B(M** Analysis Date: **4/21/2006** SeqNo: **925500**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0									
Surr: Bromofluorobenzene (FID)	82		100.0		82.3	42	138				

Sample ID: **083942-008A** SampType: **DUP** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **62540**
Client ID: **NM03-B7-30** Batch ID: **E06VS089** TestNo: **EPA 8015B(M** Analysis Date: **4/21/2006** SeqNo: **925502**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0						0	0	30	
Surr: Bromofluorobenzene (FID)	88		100.0		87.5	42	138		0	0	

Sample ID: **083943-005DMS** SampType: **MS** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **62540**
Client ID: **ZZZZZZ** Batch ID: **E06VS089** TestNo: **EPA 8015B(M** Analysis Date: **4/21/2006** SeqNo: **925511**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0	5.000	0	0	34	140				S
Surr: Bromofluorobenzene (FID)	86		100.0		86.4	42	138				

Sample ID: **083943-005DMSD** SampType: **MSD** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **62540**
Client ID: **ZZZZZZ** Batch ID: **E06VS089** TestNo: **EPA 8015B(M** Analysis Date: **4/21/2006** SeqNo: **925512**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.6	1.0	5.000	0	91.8	34	140	0	200	30	R
Surr: Bromofluorobenzene (FID)	94		100.0		93.9	42	138		0	30	

Sample ID: **E042106LCS4** SampType: **LCS** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **62540**
Client ID: **LCSS** Batch ID: **E06VS089** TestNo: **EPA 8015B(M** Analysis Date: **4/21/2006** SeqNo: **925514**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	5.0	1.0	5.000	0.1590	97.3	78	122				
Surr: Bromofluorobenzene (FID)	94		100.0		94.3	42	138				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083942
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_DSL H

Sample ID: **MB-27759** SampType: **MBLK** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/26/2006** RunNo: **62672**
Client ID: **PBW** Batch ID: **27759** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/26/2006** SeqNo: **927124**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	0.20									
Surr: p-Terphenyl	0.053		0.08000		65.7	32	125				

Sample ID: **LCS-27759** SampType: **LCS** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/26/2006** RunNo: **62672**
Client ID: **LCSW** Batch ID: **27759** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/26/2006** SeqNo: **927125**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1.0	0.20	1.000	0	102	60	130				
Surr: p-Terphenyl	0.073		0.08000		91.1	32	125				

Sample ID: **MB-27759MS** SampType: **MS** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/26/2006** RunNo: **62672**
Client ID: **ZZZZZZ** Batch ID: **27759** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/26/2006** SeqNo: **927126**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.99	0.20	1.000	0	99.0	60	130				
Surr: p-Terphenyl	0.071		0.08000		88.7	32	125				

Sample ID: **MB-27759MSD** SampType: **MSD** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/26/2006** RunNo: **62672**
Client ID: **ZZZZZZ** Batch ID: **27759** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/26/2006** SeqNo: **927127**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1.0	0.20	1.000	0	100	60	130	0.9896	1.09	40	
Surr: p-Terphenyl	0.070		0.08000		87.1	32	125		0	0	

Sample ID: **MB-27759** SampType: **MBLK** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/26/2006** RunNo: **62711**
Client ID: **PBW** Batch ID: **27759** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/26/2006** SeqNo: **927777**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	0.20									
Surr: p-Terphenyl	0.056		0.08000		70.3	32	125				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083942
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_DSL H

Sample ID: **LCS-27759**	SampType: **LCS**	TestCode: **8015_W_DSL**	Units: **mg/L**	Prep Date: **4/26/2006**	RunNo: **62711**
Client ID: **LCSW**	Batch ID: **27759**	TestNo: **EPA 8015B(M EPA 3510C**		Analysis Date: **4/26/2006**	SeqNo: **927778**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.96	0.20	1.000	0	95.6	60	130				
Surr: p-Terphenyl	0.068		0.08000		84.7	32	125				

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interferenc	DO	Surrogate Diluted Out
	Calculations are based on raw values				

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CLIENT: Ninyo & Moore
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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_G PRES

Sample ID: **I042106LCS2** SampType: **LCS** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **62452**
Client ID: **LCSW** Batch ID: **I06VW101** TestNo: **EPA 8015B(M** Analysis Date: **4/21/2006** SeqNo: **925137**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.93	0.20	1.000	0	92.9	71	122				
Surr: Bromofluorobenzene (FID)	110		100.0		107	76	125				

Sample ID: **I042106MB2** SampType: **MBLK** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **62452**
Client ID: **PBW** Batch ID: **I06VW101** TestNo: **EPA 8015B(M** Analysis Date: **4/21/2006** SeqNo: **925149**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.20									
Surr: Bromofluorobenzene (FID)	100		100.0		102	76	125				

Sample ID: **I042106MB2MS** SampType: **MS** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **62452**
Client ID: **ZZZZZZ** Batch ID: **I06VW101** TestNo: **EPA 8015B(M** Analysis Date: **4/21/2006** SeqNo: **925150**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.91	0.20	1.000	0	90.9	71	122				
Surr: Bromofluorobenzene (FID)	110		100.0		107	76	125				

Sample ID: **I042106MB2MSD** SampType: **MSD** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **62452**
Client ID: **ZZZZZZ** Batch ID: **I06VW101** TestNo: **EPA 8015B(M** Analysis Date: **4/21/2006** SeqNo: **925151**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.89	0.20	1.000	0	89.0	71	122	0.9090	2.11	30	
Surr: Bromofluorobenzene (FID)	110		100.0		108	76	125		0	0	

Sample ID: **083942-014B** SampType: **DUP** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **62452**
Client ID: **NM03-B7-GW** Batch ID: **I06VW101** TestNo: **EPA 8015B(M** Analysis Date: **4/21/2006** SeqNo: **925153**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.64	0.20						0.6440	0.779	30	
Surr: Bromofluorobenzene (FID)	110		100.0		106	76	125		0	0	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
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CLIENT: Ninyo & Moore
Work Order: 083942
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **R060421LCS** SampType: **LCS** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **62546**
Client ID: **LCSS** Batch ID: **R06VS082** TestNo: **EPA 8260B** Analysis Date: **4/21/2006** SeqNo: **925624**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	110	5.0	100.0	0	109	76	126				
Benzene	96	5.0	100.0	0	96.5	77	131				
Chlorobenzene	97	5.0	100.0	0	97.3	81	136				
Toluene	94	5.0	100.0	0	93.7	78	129				
Trichloroethene	99	5.0	100.0	0	99.3	78	136				
Surr: 1,2-Dichloroethane-d4	51		50.00		103	58	138				
Surr: 4-Bromofluorobenzene	51		50.00		102	74	130				
Surr: Dibromofluoromethane	52		50.00		104	58	135				
Surr: Toluene-d8	53		50.00		106	84	130				

Sample ID: **R060421MS** SampType: **MS** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **62546**
Client ID: **ZZZZZZ** Batch ID: **R06VS082** TestNo: **EPA 8260B** Analysis Date: **4/21/2006** SeqNo: **925625**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	120	5.0	100.0	0	119	59	146				
Benzene	110	5.0	100.0	0	110	68	137				
Chlorobenzene	110	5.0	100.0	0	109	64	144				
Toluene	110	5.0	100.0	0	107	53	150				
Trichloroethene	110	5.0	100.0	0	112	58	155				
Surr: 1,2-Dichloroethane-d4	58		50.00		116	58	138				
Surr: 4-Bromofluorobenzene	58		50.00		116	74	130				
Surr: Dibromofluoromethane	57		50.00		115	58	135				
Surr: Toluene-d8	61		50.00		123	84	130				

Sample ID: **R060421MSD** SampType: **MSD** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **62546**
Client ID: **ZZZZZZ** Batch ID: **R06VS082** TestNo: **EPA 8260B** Analysis Date: **4/21/2006** SeqNo: **925626**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	110	5.0	100.0	0	109	59	146	118.5	8.39	30	
Benzene	100	5.0	100.0	0	100	68	137	110.2	9.60	30	
Chlorobenzene	100	5.0	100.0	0	101	64	144	108.5	7.18	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
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H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083942
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **R060421MSD** SampType: **MSD** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **62546**
Client ID: **ZZZZZZ** Batch ID: **R06VS082** TestNo: **EPA 8260B** Analysis Date: **4/21/2006** SeqNo: **925626**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	97	5.0	100.0	0	97.4	53	150	107.3	9.66	30	
Trichloroethene	100	5.0	100.0	0	102	58	155	111.6	8.76	30	
Surr: 1,2-Dichloroethane-d4	50		50.00		99.5	58	138		0	30	
Surr: 4-Bromofluorobenzene	52		50.00		104	74	130		0	30	
Surr: Dibromofluoromethane	51		50.00		102	58	135		0	30	
Surr: Toluene-d8	55		50.00		109	84	130		0	30	

Sample ID: **R060421MB2** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **62546**
Client ID: **PBS** Batch ID: **R06VS082** TestNo: **EPA 8260B** Analysis Date: **4/21/2006** SeqNo: **925627**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
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H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083942
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **R060421MB2** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **62546**
Client ID: **PBS** Batch ID: **R06VS082** TestNo: **EPA 8260B** Analysis Date: **4/21/2006** SeqNo: **925627**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
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Work Order: 083942
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **R060421MB2** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **62546**
Client ID: **PBS** Batch ID: **R06VS082** TestNo: **EPA 8260B** Analysis Date: **4/21/2006** SeqNo: **925627**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	52		50.00		105	58	138				
Surr: 4-Bromofluorobenzene	52		50.00		104	74	130				
Surr: Dibromofluoromethane	54		50.00		108	58	135				
Surr: Toluene-d8	55		50.00		110	84	130				

Sample ID: **083942-010A** SampType: **DUP** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **62546**
Client ID: **NM03-B7-41** Batch ID: **R06VS082** TestNo: **EPA 8260B** Analysis Date: **4/21/2006** SeqNo: **925631**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0						0	0	30	
1,1,1-Trichloroethane	ND	5.0						0	0	30	
1,1,2,2-Tetrachloroethane	ND	5.0						0	0	30	
1,1,2-Trichloroethane	ND	5.0						0	0	30	
1,1-Dichloroethane	ND	5.0						0	0	30	
1,1-Dichloroethene	ND	5.0						0	0	30	
1,1-Dichloropropene	ND	5.0						0	0	30	
1,2,3-Trichlorobenzene	ND	5.0						0	0	30	
1,2,3-Trichloropropane	ND	5.0						0	0	30	
1,2,4-Trichlorobenzene	ND	5.0						0	0	30	
1,2,4-Trimethylbenzene	ND	5.0						0	0	30	
1,2-Dibromo-3-chloropropane	ND	10						0	0	30	
1,2-Dibromoethane	ND	5.0						0	0	30	
1,2-Dichlorobenzene	ND	5.0						0	0	30	
1,2-Dichloroethane	ND	5.0						0	0	30	
1,2-Dichloropropane	ND	5.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083942
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **083942-010A** SampType: **DUP** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **62546**
Client ID: **NM03-B7-41** Batch ID: **R06VS082** TestNo: **EPA 8260B** Analysis Date: **4/21/2006** SeqNo: **925631**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trimethylbenzene	ND	5.0						0	0	30	
1,3-Dichlorobenzene	ND	5.0						0	0	30	
1,3-Dichloropropane	ND	5.0						0	0	30	
1,4-Dichlorobenzene	ND	5.0						0	0	30	
2,2-Dichloropropane	ND	5.0						0	0	30	
2-Butanone	ND	50						0	0	30	
2-Chloroethyl vinyl ether	ND	5.0						0	0	30	
2-Chlorotoluene	ND	5.0						0	0	30	
2-Hexanone	ND	50						0	0	30	
4-Chlorotoluene	ND	5.0						0	0	30	
4-Isopropyltoluene	ND	5.0						0	0	30	
4-Methyl-2-pentanone	ND	50						0	0	30	
Acetone	ND	50						0	0	30	
Acrolein	ND	50						0	0	30	
Acrylonitrile	ND	50						0	0	30	
Benzene	ND	5.0						3.710	0	30	
Bromobenzene	ND	5.0						0	0	30	
Bromochloromethane	ND	5.0						0	0	30	
Bromodichloromethane	ND	5.0						0	0	30	
Bromoform	ND	5.0						0	0	30	
Bromomethane	ND	5.0						0	0	30	
Carbon disulfide	ND	5.0						0	0	30	
Carbon tetrachloride	ND	5.0						0	0	30	
Chlorobenzene	ND	5.0						0	0	30	
Chloroethane	ND	5.0						0	0	30	
Chloroform	ND	5.0						0	0	30	
Chloromethane	ND	5.0						0	0	30	
cis-1,2-Dichloroethene	ND	5.0						0	0	30	
cis-1,3-Dichloropropene	ND	5.0						0	0	30	
Cyclohexanone	ND	50						0	0	30	
Di-isopropyl ether	ND	5.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083942
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **083942-010A** SampType: **DUP** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **62546**
Client ID: **NM03-B7-41** Batch ID: **R06VS082** TestNo: **EPA 8260B** Analysis Date: **4/21/2006** SeqNo: **925631**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	ND	5.0						0	0	30	
Dibromomethane	ND	5.0						0	0	30	
Dichlorodifluoromethane	ND	5.0						0	0	30	
Ethyl Acetate	ND	50						0	0	30	
Ethyl Ether	ND	50						0	0	30	
Ethyl Tert-butyl ether	ND	5.0						0	0	30	
Ethylbenzene	ND	5.0						0	0	30	
Freon-113	ND	5.0						0	0	30	
Hexachlorobutadiene	ND	5.0						0	0	30	
Iodomethane	ND	5.0						0	0	30	
Isopropylbenzene	ND	5.0						0	0	30	
m,p-Xylene	ND	10						2.560	0	30	
Methylene chloride	ND	5.0						1.520	0	30	
MTBE	ND	5.0						0	0	30	
n-Butylbenzene	ND	5.0						0	0	30	
n-Propylbenzene	ND	5.0						0	0	30	
Naphthalene	ND	5.0						0	0	30	
o-Xylene	ND	5.0						0	0	30	
sec-Butylbenzene	ND	5.0						0	0	30	
Styrene	ND	5.0						0	0	30	
Tert-amyl methyl ether	ND	5.0						0	0	30	
Tert-Butanol	ND	100						0	0	30	
tert-Butylbenzene	ND	5.0						0	0	30	
Tetrachloroethene	ND	5.0						0	0	30	
Toluene	ND	5.0						0	0	30	
trans-1,2-Dichloroethene	ND	5.0						0	0	30	
trans-1,3-Dichloropropene	ND	5.0						0	0	30	
Trichloroethene	ND	5.0						0	0	30	
Trichlorofluoromethane	ND	5.0						0	0	30	
Vinyl acetate	ND	50						0	0	30	
Vinyl chloride	ND	5.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
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H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083942
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **083942-010A** SampType: **DUP** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **62546**
Client ID: **NM03-B7-41** Batch ID: **R06VS082** TestNo: **EPA 8260B** Analysis Date: **4/21/2006** SeqNo: **925631**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Xylenes, Total	ND	15						0	0	30	
Surr: 1,2-Dichloroethane-d4	63		50.00		126	58	138		0	30	
Surr: 4-Bromofluorobenzene	56		50.00		112	74	130		0	30	
Surr: Dibromofluoromethane	61		50.00		122	58	135		0	30	
Surr: Toluene-d8	59		50.00		119	84	130		0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
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CLIENT: Ninyo & Moore
Work Order: 083942
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **Q042106LC1** SampType: **LCS** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **62562**
Client ID: **LCSW** Batch ID: **Q06VW080** TestNo: **EPA 8260B** Analysis Date: **4/21/2006** SeqNo: **925791**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	22	5.0	20.00	0	108	76	132				
Benzene	21	5.0	20.00	0	106	90	123				
Chlorobenzene	20	5.0	20.00	0	101	76	118				
Toluene	21	5.0	20.00	0	105	91	124				
Trichloroethene	20	5.0	20.00	0	100	87	125				
Surr: 1,2-Dichloroethane-d4	54		50.00		108	70	126				
Surr: 4-Bromofluorobenzene	56		50.00		113	63	134				
Surr: Dibromofluoromethane	54		50.00		108	73	124				
Surr: Toluene-d8	57		50.00		114	84	123				

Sample ID: **Q042106MB1MS** SampType: **MS** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **62562**
Client ID: **ZZZZZZ** Batch ID: **Q06VW080** TestNo: **EPA 8260B** Analysis Date: **4/21/2006** SeqNo: **925792**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	22	5.0	20.00	0	111	76	132				
Benzene	21	5.0	20.00	0	106	90	123				
Chlorobenzene	20	5.0	20.00	0	102	76	118				
Toluene	21	5.0	20.00	0	106	91	124				
Trichloroethene	20	5.0	20.00	0	99.6	87	125				
Surr: 1,2-Dichloroethane-d4	55		50.00		109	70	126				
Surr: 4-Bromofluorobenzene	57		50.00		115	63	134				
Surr: Dibromofluoromethane	54		50.00		109	73	124				
Surr: Toluene-d8	57		50.00		113	84	123				

Sample ID: **Q042106MB1MSD** SampType: **MSD** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **62562**
Client ID: **ZZZZZZ** Batch ID: **Q06VW080** TestNo: **EPA 8260B** Analysis Date: **4/21/2006** SeqNo: **925793**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	22	5.0	20.00	0	112	76	132	22.17	0.629	30	
Benzene	22	5.0	20.00	0	111	90	123	21.30	4.00	30	
Chlorobenzene	20	5.0	20.00	0	100	76	118	20.46	1.97	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083942
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **Q042106MB1MSD** SampType: **MSD** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **62562**
Client ID: **ZZZZZZ** Batch ID: **Q06VW080** TestNo: **EPA 8260B** Analysis Date: **4/21/2006** SeqNo: **925793**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	22	5.0	20.00	0	109	91	124	21.26	2.69	30	
Trichloroethene	22	5.0	20.00	0	108	87	125	19.92	8.42	30	
Surr: 1,2-Dichloroethane-d4	53		50.00		106	70	126		0	30	
Surr: 4-Bromofluorobenzene	58		50.00		116	63	134		0	30	
Surr: Dibromofluoromethane	54		50.00		109	73	124		0	30	
Surr: Toluene-d8	59		50.00		118	84	123		0	30	

Sample ID: **Q042106MB1** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **62562**
Client ID: **PBW** Batch ID: **Q06VW080** TestNo: **EPA 8260B** Analysis Date: **4/21/2006** SeqNo: **925794**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	5.0									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083942
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **Q042106MB1** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **62562**
Client ID: **PBW** Batch ID: **Q06VW080** TestNo: **EPA 8260B** Analysis Date: **4/21/2006** SeqNo: **925794**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
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CLIENT: Ninyo & Moore
Work Order: 083942
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **Q042106MB1** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **62562**
Client ID: **PBW** Batch ID: **Q06VW080** TestNo: **EPA 8260B** Analysis Date: **4/21/2006** SeqNo: **925794**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	52		50.00		104	70	126				
Surr: 4-Bromofluorobenzene	50		50.00		99.3	63	134				
Surr: Dibromofluoromethane	53		50.00		106	73	124				
Surr: Toluene-d8	52		50.00		103	84	123				

Sample ID: **083942-014ADUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **62562**
Client ID: **NM03-B7-GW** Batch ID: **Q06VW080** TestNo: **EPA 8260B** Analysis Date: **4/21/2006** SeqNo: **925798**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0						0	0	30	
1,1,1-Trichloroethane	ND	5.0						0	0	30	
1,1,2,2-Tetrachloroethane	ND	5.0						0	0	30	
1,1,2-Trichloroethane	ND	5.0						0	0	30	
1,1-Dichloroethane	ND	5.0						0	0	30	
1,1-Dichloroethene	ND	5.0						0	0	30	
1,1-Dichloropropene	ND	5.0						0	0	30	
1,2,3-Trichlorobenzene	ND	5.0						0	0	30	
1,2,3-Trichloropropane	ND	5.0						0	0	30	
1,2,4-Trichlorobenzene	ND	5.0						0	0	30	
1,2,4-Trimethylbenzene	24	5.0						24.74	1.22	30	
1,2-Dibromo-3-chloropropane	ND	5.0						0	0	30	
1,2-Dibromoethane	ND	5.0						0	0	30	
1,2-Dichlorobenzene	ND	5.0						0	0	30	
1,2-Dichloroethane	ND	5.0						0	0	30	
1,2-Dichloropropane	ND	5.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Work Order: 083942
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **083942-014ADUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **62562**
Client ID: **NM03-B7-GW** Batch ID: **Q06VW080** TestNo: **EPA 8260B** Analysis Date: **4/21/2006** SeqNo: **925798**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trimethylbenzene	19	5.0						18.00	3.65	30	
1,3-Dichlorobenzene	ND	5.0						0	0	30	
1,3-Dichloropropane	ND	5.0						0	0	30	
1,4-Dichlorobenzene	ND	5.0						0	0	30	
2,2-Dichloropropane	ND	5.0						0	0	30	
2-Butanone	ND	50						0	0	30	
2-Chloroethyl vinyl ether	ND	5.0						0	0	30	
2-Chlorotoluene	ND	5.0						0	0	30	
2-Hexanone	ND	50						0	0	30	
4-Chlorotoluene	ND	5.0						0	0	30	
4-Isopropyltoluene	ND	5.0						0	0	30	
4-Methyl-2-pentanone	ND	50						0	0	30	
Acetone	ND	50						0	0	30	
Acrolein	ND	50						0	0	30	
Acrylonitrile	ND	50						0	0	30	
Benzene	12	5.0						12.53	2.91	30	
Bromobenzene	ND	5.0						0	0	30	
Bromochloromethane	ND	5.0						0	0	30	
Bromodichloromethane	ND	5.0						0	0	30	
Bromoform	ND	5.0						0	0	30	
Bromomethane	ND	5.0						0	0	30	
Carbon disulfide	ND	5.0						0	0	30	
Carbon tetrachloride	ND	5.0						0	0	30	
Chlorobenzene	ND	5.0						0	0	30	
Chloroethane	ND	5.0						0	0	30	
Chloroform	ND	5.0						0	0	30	
Chloromethane	ND	5.0						0	0	30	
cis-1,2-Dichloroethene	ND	5.0						0	0	30	
cis-1,3-Dichloropropene	ND	5.0						0	0	30	
Cyclohexanone	ND	50						0	0	30	
Di-isopropyl ether	ND	5.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083942
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **083942-014ADUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **62562**
Client ID: **NM03-B7-GW** Batch ID: **Q06VW080** TestNo: **EPA 8260B** Analysis Date: **4/21/2006** SeqNo: **925798**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	ND	5.0						0	0	30	
Dibromomethane	ND	5.0						0	0	30	
Dichlorodifluoromethane	ND	5.0						0	0	30	
Ethyl Acetate	ND	50						0	0	30	
Ethyl Ether	ND	50						0	0	30	
Ethyl tert-butyl ether	ND	5.0						0	0	30	
Ethylbenzene	18	5.0						18.06	0.827	30	
Freon-113	ND	5.0						0	0	30	
Hexachlorobutadiene	ND	5.0						0	0	30	
Iodomethane	ND	5.0						0	0	30	
Isopropylbenzene	ND	5.0						0	0	30	
m,p-Xylene	94	10						95.83	1.57	30	
Methylene chloride	ND	5.0						0	0	30	
MTBE	140	5.0						138.5	1.43	30	
n-Butylbenzene	ND	5.0						0	0	30	
n-Propylbenzene	5.5	5.0						5.290	4.26	30	
Naphthalene	11	5.0						10.15	4.05	30	
o-Xylene	9.9	5.0						10.13	2.20	30	
sec-Butylbenzene	ND	5.0						0	0	30	
Styrene	ND	5.0						0	0	30	
Tert-amyl methyl ether	ND	5.0						0	0	30	
Tert-Butanol	ND	100						0	0	30	
tert-Butylbenzene	ND	5.0						0	0	30	
Tetrachloroethene	ND	5.0						0	0	30	
Toluene	ND	5.0						4.650	0	30	
trans-1,2-Dichloroethene	ND	5.0						0	0	30	
trans-1,3-Dichloropropene	ND	5.0						0	0	30	
Trichloroethene	ND	5.0						0	0	30	
Trichlorofluoromethane	ND	5.0						0	0	30	
Vinyl acetate	ND	50						0	0	30	
Vinyl chloride	ND	5.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Work Order: 083942
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **083942-014ADUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **62562**
Client ID: **NM03-B7-GW** Batch ID: **Q06VW080** TestNo: **EPA 8260B** Analysis Date: **4/21/2006** SeqNo: **925798**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Xylenes, Total	100	15						106.0	1.63	30	
Surr: 1,2-Dichloroethane-d4	53		50.00		106	70	126		0	30	
Surr: 4-Bromofluorobenzene	54		50.00		107	63	134		0	30	
Surr: Dibromofluoromethane	52		50.00		105	73	124		0	30	
Surr: Toluene-d8	49		50.00		97.8	84	123		0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
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ND Not Detected at the Reporting Limit
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Work Order: 083942
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **LCS-27741** SampType: **LCS** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/25/2006** RunNo: **62629**
Client ID: **LCSS** Batch ID: **27741** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/25/2006** SeqNo: **926577**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	3000	330	3330	0	89.8	58	117				
1,4-Dichlorobenzene	2800	330	3330	0	83.0	56	100				
2,4-Dinitrotoluene	4000	330	3330	0	120	71	135				
2-Chlorophenol	3000	330	3330	0	89.0	66	107				
4-Chloro-3-methylphenol	3600	660	3330	0	108	74	128				
4-Nitrophenol	4200	1600	3330	0	125	54	133				
Acenaphthene	3000	330	3330	0	90.5	73	118				
N-Nitrosodi-n-propylamine	3600	330	3330	0	107	67	113				
Pentachlorophenol	4100	1600	3330	0	125	78	127				
Phenol	3300	330	3330	0	97.7	67	110				
Pyrene	3300	330	3330	0	99.3	74	127				
Surr: 1,2-Dichlorobenzene-d4	2600		3330		78.0	46	105				
Surr: 2,4,6-Tribromophenol	3600		3330		108	46	146				
Surr: 2-Chlorophenol-d4	2900		3330		87.1	48	117				
Surr: 2-Fluorobiphenyl	3200		3330		97.4	54	112				
Surr: 2-Fluorophenol	2900		3330		86.4	45	119				
Surr: 4-Terphenyl-d14	3200		3330		96.4	46	135				
Surr: Nitrobenzene-d5	3400		3330		102	40	116				
Surr: Phenol-d5	3100		3330		93.4	37	127				

Sample ID: **083942-009AMS** SampType: **MS** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/25/2006** RunNo: **62629**
Client ID: **NM03-B7-35** Batch ID: **27741** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/25/2006** SeqNo: **926578**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2900	330	3330	0	86.9	45	126				
1,4-Dichlorobenzene	2600	330	3330	0	78.9	41	110				
2,4-Dinitrotoluene	4100	330	3330	0	122	57	139				
2-Chlorophenol	3000	330	3330	0	91.0	52	117				
4-Chloro-3-methylphenol	3700	660	3330	0	111	63	135				
4-Nitrophenol	4200	1600	3330	0	127	48	137				
Acenaphthene	3000	330	3330	0	90.3	59	129				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **083942-009AMS** SampType: **MS** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/25/2006** RunNo: **62629**
Client ID: **NM03-B7-35** Batch ID: **27741** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/25/2006** SeqNo: **926578**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
N-Nitrosodi-n-propylamine	3500	330	3330	0	106	41	135				
Pentachlorophenol	4100	1600	3330	0	125	55	146				
Phenol	3300	330	3330	0	99.4	51	122				
Pyrene	3300	330	3330	0	99.9	58	138				
Surr: 1,2-Dichlorobenzene-d4	2400		3330		72.1	46	105				
Surr: 2,4,6-Tribromophenol	3500		3330		107	46	146				
Surr: 2-Chlorophenol-d4	2800		3330		85.4	48	117				
Surr: 2-Fluorobiphenyl	3000		3330		91.6	54	112				
Surr: 2-Fluorophenol	2800		3330		83.8	45	119				
Surr: 4-Terphenyl-d14	3200		3330		95.4	46	135				
Surr: Nitrobenzene-d5	3100		3330		94.4	40	116				
Surr: Phenol-d5	3000		3330		90.9	37	127				

Sample ID: **083942-009AMSD** SampType: **MSD** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/25/2006** RunNo: **62629**
Client ID: **NM03-B7-35** Batch ID: **27741** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/25/2006** SeqNo: **926579**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	3000	330	3330	0	90.2	45	126	2894	3.75	30	
1,4-Dichlorobenzene	2700	330	3330	0	82.1	41	110	2627	4.03	30	
2,4-Dinitrotoluene	4000	330	3330	0	120	57	139	4053	1.50	30	
2-Chlorophenol	3100	330	3330	0	93.9	52	117	3031	3.11	30	
4-Chloro-3-methylphenol	3800	660	3330	0	115	63	135	3710	2.81	30	
4-Nitrophenol	4100	1600	3330	0	124	48	137	4245	2.54	30	
Acenaphthene	3000	330	3330	0	90.5	59	129	3006	0.222	30	
N-Nitrosodi-n-propylamine	3700	330	3330	0	110	41	135	3523	3.69	30	
Pentachlorophenol	4200	1600	3330	0	126	55	146	4147	1.18	30	
Phenol	3400	330	3330	0	102	51	122	3312	2.18	30	
Pyrene	3300	330	3330	0	100	58	138	3326	0.430	30	
Surr: 1,2-Dichlorobenzene-d4	2500		3330		74.2	46	105		0	30	
Surr: 2,4,6-Tribromophenol	3500		3330		105	46	146		0	30	
Surr: 2-Chlorophenol-d4	2900		3330		86.3	48	117		0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083942
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ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **083942-009AMSD** SampType: **MSD** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/25/2006** RunNo: **62629**
Client ID: **NM03-B7-35** Batch ID: **27741** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/25/2006** SeqNo: **926579**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorobiphenyl	3100		3330		92.4	54	112		0	30	
Surr: 2-Fluorophenol	2800		3330		85.6	45	119		0	30	
Surr: 4-Terphenyl-d14	3200		3330		95.0	46	135		0	30	
Surr: Nitrobenzene-d5	3300		3330		98.0	40	116		0	30	
Surr: Phenol-d5	3100		3330		92.3	37	127		0	30	

Sample ID: **MB-27741** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/25/2006** RunNo: **62629**
Client ID: **PBS** Batch ID: **27741** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/25/2006** SeqNo: **926580**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	330									
1,2-Dichlorobenzene	ND	330									
1,3-Dichlorobenzene	ND	330									
1,4-Dichlorobenzene	ND	330									
2,4,5-Trichlorophenol	ND	330									
2,4,6-Trichlorophenol	ND	330									
2,4-Dichlorophenol	ND	1600									
2,4-Dimethylphenol	ND	330									
2,4-Dinitrophenol	ND	1600									
2,4-Dinitrotoluene	ND	330									
2,6-Dinitrotoluene	ND	330									
2-Chloronaphthalene	ND	330									
2-Chlorophenol	ND	330									
2-Methylnaphthalene	ND	330									
2-Methylphenol	ND	330									
2-Nitroaniline	ND	1600									
2-Nitrophenol	ND	330									
3,3´-Dichlorobenzidine	ND	660									
3-Nitroaniline	ND	1600									
4,6-Dinitro-2-methylphenol	ND	1600									
4-Bromophenyl-phenylether	ND	330									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083942
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-27741** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/25/2006** RunNo: **62629**
Client ID: **PBS** Batch ID: **27741** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/25/2006** SeqNo: **926580**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chloro-3-methylphenol	ND	660									
4-Chloroaniline	ND	660									
4-Chlorophenyl-phenylether	ND	330									
4-Methylphenol	ND	330									
4-Nitroaniline	ND	1600									
4-Nitrophenol	ND	1600									
Acenaphthene	ND	330									
Acenaphthylene	ND	330									
Anthracene	ND	330									
Benzidine (M)	ND	1600									
Benzo(a)anthracene	ND	330									
Benzo(a)pyrene	ND	330									
Benzo(b)fluoranthene	ND	330									
Benzo(g,h,i)perylene	ND	330									
Benzo(k)fluoranthene	ND	330									
Benzoic acid	ND	1600									
Benzyl alcohol	ND	660									
Bis(2-chloroethoxy)methane	ND	330									
Bis(2-chloroethyl)ether	ND	330									
Bis(2-chloroisopropyl)ether	ND	330									
Bis(2-ethylhexyl)phthalate	ND	330									
Butylbenzylphthalate	ND	330									
Chrysene	ND	330									
Di-n-butylphthalate	ND	330									
Di-n-octylphthalate	ND	330									
Dibenz(a,h)anthracene	ND	330									
Dibenzofuran	ND	330									
Diethylphthalate	ND	330									
Dimethylphthalate	ND	330									
Fluoranthene	ND	330									
Fluorene	ND	330									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083942
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-27741** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/25/2006** RunNo: **62629**
Client ID: **PBS** Batch ID: **27741** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/25/2006** SeqNo: **926580**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobenzene	ND	330									
Hexachlorobutadiene	ND	660									
Hexachlorocyclopentadiene	ND	660									
Hexachloroethane	ND	330									
Indeno(1,2,3-cd)pyrene	ND	330									
Isophorone	ND	330									
N-Nitrosodi-n-propylamine	ND	330									
N-Nitrosodiphenylamine	ND	330									
Naphthalene	ND	330									
Nitrobenzene	ND	330									
Pentachlorophenol	ND	1600									
Phenanthrene	ND	330									
Phenol	ND	330									
Pyrene	ND	330									
Surr: 1,2-Dichlorobenzene-d4	2600		3330		78.1	46	105				
Surr: 2,4,6-Tribromophenol	3300		3330		100	46	146				
Surr: 2-Chlorophenol-d4	2900		3330		85.9	48	117				
Surr: 2-Fluorobiphenyl	3300		3330		98.8	54	112				
Surr: 2-Fluorophenol	2800		3330		84.8	45	119				
Surr: 4-Terphenyl-d14	3200		3330		96.4	46	135				
Surr: Nitrobenzene-d5	3400		3330		102	40	116				
Surr: Phenol-d5	3000		3330		90.8	37	127				

Sample ID: **083942-010ADUP** SampType: **DUP** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/25/2006** RunNo: **62629**
Client ID: **NM03-B7-41** Batch ID: **27741** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/25/2006** SeqNo: **926967**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	330						0	0	30	
1,2-Dichlorobenzene	ND	330						0	0	30	
1,2-Diphenylhydrazine	ND	330						0	0	30	
1,3-Dichlorobenzene	ND	330						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083942
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **083942-010ADUP** SampType: **DUP** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/25/2006** RunNo: **62629**
Client ID: **NM03-B7-41** Batch ID: **27741** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/25/2006** SeqNo: **926967**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,4-Dichlorobenzene	ND	330						0	0	30	
1,4-Dioxane	ND	330						0	0	0	
2,4,5-Trichlorophenol	ND	330						0	0	30	
2,4,6-Trichlorophenol	ND	330						0	0	30	
2,4-Dichlorophenol	ND	1600						0	0	30	
2,4-Dimethylphenol	ND	330						0	0	30	
2,4-Dinitrophenol	ND	1600						0	0	30	
2,4-Dinitrotoluene	ND	330						0	0	30	
2,6-Dinitrotoluene	ND	330						0	0	30	
2-Chloronaphthalene	ND	330						0	0	30	
2-Chlorophenol	ND	330						0	0	30	
2-Methylnaphthalene	ND	330						0	0	30	
2-Methylphenol	ND	330						0	0	30	
2-Nitroaniline	ND	1600						0	0	30	
2-Nitrophenol	ND	330						0	0	30	
3,3´-Dichlorobenzidine	ND	660						0	0	30	
3-Nitroaniline	ND	1600						0	0	30	
4,6-Dinitro-2-methylphenol	ND	1600						0	0	30	
4-Bromophenyl-phenylether	ND	330						0	0	30	
4-Chloro-3-methylphenol	ND	660						0	0	30	
4-Chloroaniline	ND	660						0	0	30	
4-Chlorophenyl-phenylether	ND	330						0	0	30	
3/4-Methylphenol	ND	330						0	0	0	
4-Methylphenol	ND	330						0	0	30	
4-Nitroaniline	ND	1600						0	0	30	
4-Nitrophenol	ND	1600						0	0	30	
Acenaphthene	ND	330						0	0	30	
Acenaphthylene	ND	330						0	0	30	
Aniline	ND	330						0	0	30	
Anthracene	ND	330						0	0	30	
Benzidine (M)	ND	1600						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083942
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **083942-010ADUP** SampType: **DUP** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/25/2006** RunNo: **62629**
Client ID: **NM03-B7-41** Batch ID: **27741** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/25/2006** SeqNo: **926967**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)anthracene	ND	330						0	0	30	
Benzo(a)pyrene	ND	330						0	0	30	
Benzo(b)fluoranthene	ND	330						0	0	30	
Benzo(g,h,i)perylene	ND	330						0	0	30	
Benzo(k)fluoranthene	ND	330						0	0	30	
Benzoic acid	ND	1600						0	0	30	
Benzyl alcohol	ND	660						0	0	30	
Bis(2-chloroethoxy)methane	ND	330						0	0	30	
Bis(2-chloroethyl)ether	ND	330						0	0	30	
Bis(2-chloroisopropyl)ether	ND	330						0	0	30	
Bis(2-ethylhexyl)phthalate	ND	330						0	0	30	
Butylbenzylphthalate	ND	330						0	0	30	
Carbazole	ND	330						0	0	30	
Chrysene	ND	330						0	0	30	
Di-n-butylphthalate	ND	330						0	0	30	
Di-n-octylphthalate	ND	330						0	0	30	
Dibenz(a,h)anthracene	ND	330						0	0	30	
Dibenzofuran	ND	330						0	0	30	
Diethylphthalate	ND	330						0	0	30	
Dimethylphthalate	ND	330						0	0	30	
Fluoranthene	ND	330						0	0	30	
Fluorene	ND	330						0	0	30	
Hexachlorobenzene	ND	330						0	0	30	
Hexachlorobutadiene	ND	660						0	0	30	
Hexachlorocyclopentadiene	ND	660						0	0	30	
Hexachloroethane	ND	330						0	0	30	
Indeno(1,2,3-cd)pyrene	ND	330						0	0	30	
Isophorone	ND	330						0	0	30	
N-Nitrosodi-n-propylamine	ND	330						0	0	30	
N-Nitrosodimethylamine	ND	330						0	0	30	
N-Nitrosodiphenylamine	ND	330						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083942
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **083942-010ADUP** SampType: **DUP** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/25/2006** RunNo: **62629**
Client ID: **NM03-B7-41** Batch ID: **27741** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/25/2006** SeqNo: **926967**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	330						0	0	30	
Nitrobenzene	ND	330						0	0	30	
Pentachlorophenol	ND	1600						0	0	30	
Phenanthrene	ND	330						0	0	30	
Phenol	ND	330						0	0	30	
Pyrene	ND	330						0	0	30	
Pyridine	ND	1600						0	0	30	
Surr: 1,2-Dichlorobenzene-d4	2500		3330		75.3	46	105		0	0	
Surr: 2,4,6-Tribromophenol	3300		3330		99.2	46	146		0	0	
Surr: 2-Chlorophenol-d4	2800		3330		84.3	48	117		0	0	
Surr: 2-Fluorobiphenyl	3100		3330		94.5	54	112		0	0	
Surr: 2-Fluorophenol	2800		3330		82.7	45	119		0	0	
Surr: 4-Terphenyl-d14	3100		3330		94.5	46	135		0	0	
Surr: Nitrobenzene-d5	3200		3330		95.1	40	116		0	0	
Surr: Phenol-d5	3000		3330		89.4	37	127		0	0	

Sample ID: **LCS-27741** SampType: **LCS** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/25/2006** RunNo: **62629**
Client ID: **LCSS** Batch ID: **27741** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/26/2006** SeqNo: **927187**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	3100	330	3330	0	92.1	58	117				
1,4-Dichlorobenzene	2800	330	3330	0	84.1	56	100				
2,4-Dinitrotoluene	3800	330	3330	0	115	71	135				
2-Chlorophenol	3000	330	3330	0	90.2	66	107				
4-Chloro-3-methylphenol	3600	660	3330	0	108	74	128				
4-Nitrophenol	3900	1600	3330	0	118	54	133				
Acenaphthene	3100	330	3330	0	92.2	73	118				
N-Nitrosodi-n-propylamine	3500	330	3330	0	105	67	113				
Pentachlorophenol	4100	1600	3330	0	123	78	127				
Phenol	3200	330	3330	0	96.9	67	110				
Pyrene	3200	330	3330	0	95.5	74	127				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083942
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **LCS-27741** SampType: **LCS** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/25/2006** RunNo: **62629**
Client ID: **LCSS** Batch ID: **27741** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/26/2006** SeqNo: **927187**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichlorobenzene-d4	2600		3330		78.7	46	105				
Surr: 2,4,6-Tribromophenol	3600		3330		109	46	146				
Surr: 2-Chlorophenol-d4	2900		3330		87.4	48	117				
Surr: 2-Fluorobiphenyl	3400		3330		101	54	112				
Surr: 2-Fluorophenol	2800		3330		85.4	45	119				
Surr: 4-Terphenyl-d14	3300		3330		97.9	46	135				
Surr: Nitrobenzene-d5	3400		3330		101	40	116				
Surr: Phenol-d5	3100		3330		92.1	37	127				

Sample ID: **MB-27741** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/25/2006** RunNo: **62629**
Client ID: **PBS** Batch ID: **27741** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/26/2006** SeqNo: **927188**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	330									
1,2-Dichlorobenzene	ND	330									
1,3-Dichlorobenzene	ND	330									
1,4-Dichlorobenzene	ND	330									
2,4,5-Trichlorophenol	ND	330									
2,4,6-Trichlorophenol	ND	330									
2,4-Dichlorophenol	ND	1600									
2,4-Dimethylphenol	ND	330									
2,4-Dinitrophenol	ND	1600									
2,4-Dinitrotoluene	ND	330									
2,6-Dinitrotoluene	ND	330									
2-Chloronaphthalene	ND	330									
2-Chlorophenol	ND	330									
2-Methylnaphthalene	ND	330									
2-Methylphenol	ND	330									
2-Nitroaniline	ND	1600									
2-Nitrophenol	ND	330									
3,3´-Dichlorobenzidine	ND	660									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083942
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-27741** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/25/2006** RunNo: **62629**
Client ID: **PBS** Batch ID: **27741** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/26/2006** SeqNo: **927188**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3-Nitroaniline	ND	1600									
4,6-Dinitro-2-methylphenol	ND	1600									
4-Bromophenyl-phenylether	ND	330									
4-Chloro-3-methylphenol	ND	660									
4-Chloroaniline	ND	660									
4-Chlorophenyl-phenylether	ND	330									
4-Methylphenol	ND	330									
4-Nitroaniline	ND	1600									
4-Nitrophenol	ND	1600									
Acenaphthene	ND	330									
Acenaphthylene	ND	330									
Anthracene	ND	330									
Benzidine (M)	ND	1600									
Benzo(a)anthracene	ND	330									
Benzo(a)pyrene	ND	330									
Benzo(b)fluoranthene	ND	330									
Benzo(g,h,i)perylene	ND	330									
Benzo(k)fluoranthene	ND	330									
Benzoic acid	ND	1600									
Benzyl alcohol	ND	660									
Bis(2-chloroethoxy)methane	ND	330									
Bis(2-chloroethyl)ether	ND	330									
Bis(2-chloroisopropyl)ether	ND	330									
Bis(2-ethylhexyl)phthalate	ND	330									
Butylbenzylphthalate	ND	330									
Chrysene	ND	330									
Di-n-butylphthalate	ND	330									
Di-n-octylphthalate	ND	330									
Dibenz(a,h)anthracene	ND	330									
Dibenzofuran	ND	330									
Diethylphthalate	ND	330									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083942
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-27741** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/25/2006** RunNo: **62629**
Client ID: **PBS** Batch ID: **27741** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/26/2006** SeqNo: **927188**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dimethylphthalate	ND	330									
Fluoranthene	ND	330									
Fluorene	ND	330									
Hexachlorobenzene	ND	330									
Hexachlorobutadiene	ND	660									
Hexachlorocyclopentadiene	ND	660									
Hexachloroethane	ND	330									
Indeno(1,2,3-cd)pyrene	ND	330									
Isophorone	ND	330									
N-Nitrosodi-n-propylamine	ND	330									
N-Nitrosodiphenylamine	ND	330									
Naphthalene	ND	330									
Nitrobenzene	ND	330									
Pentachlorophenol	ND	1600									
Phenanthrene	ND	330									
Phenol	ND	330									
Pyrene	ND	330									
Surr: 1,2-Dichlorobenzene-d4	2600		3330		79.5	46	105				
Surr: 2,4,6-Tribromophenol	3500		3330		107	46	146				
Surr: 2-Chlorophenol-d4	3000		3330		90.1	48	117				
Surr: 2-Fluorobiphenyl	3300		3330		97.9	54	112				
Surr: 2-Fluorophenol	2900		3330		86.9	45	119				
Surr: 4-Terphenyl-d14	3200		3330		95.0	46	135				
Surr: Nitrobenzene-d5	3400		3330		102	40	116				
Surr: Phenol-d5	3200		3330		96.8	37	127				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083942
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **LCS-27736** SampType: **LCS** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/25/2006** RunNo: **62610**
Client ID: **LCSW** Batch ID: **27736** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/25/2006** SeqNo: **926415**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	91	10	100.0	0	90.6	60	120				
1,4-Dichlorobenzene	78	10	100.0	0	77.8	56	103				
2,4-Dinitrotoluene	100	10	100.0	0	104	71	136				
2-Chlorophenol	77	10	100.0	0	77.3	59	107				
4-Chloro-3-methylphenol	100	50	100.0	0	99.9	72	126				
4-Nitrophenol	56	50	100.0	0	56.2	30	88				
Acenaphthene	97	10	100.0	0	96.8	72	119				
N-Nitrosodi-n-propylamine	91	10	100.0	0	91.2	65	120				
Pentachlorophenol	100	50	100.0	0	103	78	122				
Phenol	43	10	100.0	0	43.3	35	66				
Pyrene	98	10	100.0	0	98.3	73	127				
Surr: 1,2-Dichlorobenzene-d4	70		100.0		69.6	41	103				
Surr: 2,4,6-Tribromophenol	98		100.0		97.9	55	137				
Surr: 2-Chlorophenol-d4	76		100.0		75.6	34	117				
Surr: 2-Fluorobiphenyl	80		100.0		80.4	49	114				
Surr: 2-Fluorophenol	57		100.0		56.5	24	74				
Surr: 4-Terphenyl-d14	95		100.0		94.6	42	138				
Surr: Nitrobenzene-d5	93		100.0		92.6	47	115				
Surr: Phenol-d5	40		100.0		40.0	16	63				

Sample ID: **MB-27736** SampType: **MBLK** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/25/2006** RunNo: **62610**
Client ID: **PBW** Batch ID: **27736** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/25/2006** SeqNo: **926418**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	10									
1,2-Dichlorobenzene	ND	10									
1,3-Dichlorobenzene	ND	10									
1,4-Dichlorobenzene	ND	10									
2,4,5-Trichlorophenol	ND	10									
2,4,6-Trichlorophenol	ND	10									
2,4-Dichlorophenol	ND	10									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 083942
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **MB-27736** SampType: **MBLK** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/25/2006** RunNo: **62610**
Client ID: **PBW** Batch ID: **27736** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/25/2006** SeqNo: **926418**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dimethylphenol	ND	10									
2,4-Dinitrophenol	ND	50									
2,4-Dinitrotoluene	ND	10									
2,6-Dinitrotoluene	ND	10									
2-Chloronaphthalene	ND	10									
2-Chlorophenol	ND	10									
2-Methylnaphthalene	ND	10									
2-Methylphenol	ND	10									
2-Nitroaniline	ND	50									
2-Nitrophenol	ND	10									
3,3´-Dichlorobenzidine	ND	20									
3-Nitroaniline	ND	50									
4,6-Dinitro-2-methylphenol	ND	50									
4-Bromophenyl-phenylether	ND	10									
4-Chloro-3-methylphenol	ND	50									
4-Chloroaniline	ND	20									
4-Chlorophenyl-phenylether	ND	10									
4-Methylphenol	ND	10									
4-Nitroaniline	ND	20									
4-Nitrophenol	ND	50									
Acenaphthene	ND	10									
Acenaphthylene	ND	10									
Anthracene	ND	10									
Benzidine (M)	ND	50									
Benzo(a)anthracene	ND	10									
Benzo(a)pyrene	ND	10									
Benzo(b)fluoranthene	ND	10									
Benzo(g,h,i)perylene	ND	10									
Benzo(k)fluoranthene	ND	10									
Benzoic acid	ND	50									
Benzyl alcohol	ND	20									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083942
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **MB-27736** SampType: **MBLK** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/25/2006** RunNo: **62610**
Client ID: **PBW** Batch ID: **27736** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/25/2006** SeqNo: **926418**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bis(2-chloroethoxy)methane	ND	10									
Bis(2-chloroethyl)ether	ND	10									
Bis(2-chloroisopropyl)ether	ND	10									
Bis(2-ethylhexyl)phthalate	ND	10									
Butylbenzylphthalate	ND	10									
Chrysene	ND	10									
Di-n-butylphthalate	ND	10									
Di-n-octylphthalate	ND	10									
Dibenz(a,h)anthracene	ND	10									
Dibenzofuran	ND	10									
Diethylphthalate	ND	10									
Dimethylphthalate	ND	10									
Fluoranthene	ND	10									
Fluorene	ND	10									
Hexachlorobenzene	ND	10									
Hexachlorobutadiene	ND	20									
Hexachlorocyclopentadiene	ND	10									
Hexachloroethane	ND	10									
Indeno(1,2,3-cd)pyrene	ND	10									
Isophorone	ND	10									
N-Nitrosodi-n-propylamine	ND	10									
N-Nitrosodiphenylamine	ND	10									
Naphthalene	ND	10									
Nitrobenzene	ND	10									
Pentachlorophenol	ND	50									
Phenanthrene	ND	10									
Phenol	ND	10									
Pyrene	ND	10									
Surr: 1,2-Dichlorobenzene-d4	79		100.0		79.4	41	103				
Surr: 2,4,6-Tribromophenol	84		100.0		83.9	55	137				
Surr: 2-Chlorophenol-d4	76		100.0		76.1	34	117				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083942
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **MB-27736** SampType: **MBLK** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/25/2006** RunNo: **62610**
Client ID: **PBW** Batch ID: **27736** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/25/2006** SeqNo: **926418**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorobiphenyl	84		100.0		83.7	49	114				
Surr: 2-Fluorophenol	58		100.0		58.3	24	74				
Surr: 4-Terphenyl-d14	99		100.0		98.6	42	138				
Surr: Nitrobenzene-d5	90		100.0		90.0	47	115				
Surr: Phenol-d5	39		100.0		38.8	16	63				

Sample ID: **MB-27736MS** SampType: **MS** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/25/2006** RunNo: **62610**
Client ID: **ZZZZZZ** Batch ID: **27736** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/25/2006** SeqNo: **926419**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	97	10	100.0	0	96.8	60	120				
1,4-Dichlorobenzene	81	10	100.0	0	81.4	56	103				
2,4-Dinitrotoluene	110	10	100.0	0	111	71	136				
2-Chlorophenol	84	10	100.0	0	83.9	59	107				
4-Chloro-3-methylphenol	110	50	100.0	0	108	72	126				
4-Nitrophenol	62	50	100.0	0	62.2	30	88				
Acenaphthene	100	10	100.0	0	103	72	119				
N-Nitrosodi-n-propylamine	99	10	100.0	0	99.1	65	120				
Pentachlorophenol	110	50	100.0	0	110	78	122				
Phenol	47	10	100.0	0	47.2	35	66				
Pyrene	110	10	100.0	0	106	73	127				
Surr: 1,2-Dichlorobenzene-d4	71		100.0		70.7	41	103				
Surr: 2,4,6-Tribromophenol	100		100.0		105	55	137				
Surr: 2-Chlorophenol-d4	80		100.0		80.5	34	117				
Surr: 2-Fluorobiphenyl	84		100.0		84.2	49	114				
Surr: 2-Fluorophenol	62		100.0		62.0	24	74				
Surr: 4-Terphenyl-d14	95		100.0		95.3	42	138				
Surr: Nitrobenzene-d5	100		100.0		99.7	47	115				
Surr: Phenol-d5	43		100.0		43.3	16	63				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083942
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **MB-27736MSD** SampType: **MSD** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/25/2006** RunNo: **62610**
Client ID: **ZZZZZZ** Batch ID: **27736** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/25/2006** SeqNo: **926420**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	100	10	100.0	0	99.9	60	120	96.76	3.22	30	
1,4-Dichlorobenzene	83	10	100.0	0	83.2	56	103	81.43	2.10	30	
2,4-Dinitrotoluene	95	10	100.0	0	95.0	71	136	110.6	15.2	30	
2-Chlorophenol	84	10	100.0	0	84.1	59	107	83.86	0.238	30	
4-Chloro-3-methylphenol	100	50	100.0	0	104	72	126	108.2	3.52	30	
4-Nitrophenol	54	50	100.0	0	54.3	30	88	62.21	13.5	30	
Acenaphthene	93	10	100.0	0	93.4	72	119	103.1	9.83	30	
N-Nitrosodi-n-propylamine	99	10	100.0	0	98.6	65	120	99.13	0.577	30	
Pentachlorophenol	110	50	100.0	0	109	78	122	109.9	0.566	30	
Phenol	47	10	100.0	0	46.6	35	66	47.18	1.19	30	
Pyrene	92	10	100.0	0	91.6	73	127	105.6	14.3	30	
Surr: 1,2-Dichlorobenzene-d4	73		100.0		73.3	41	103		0	30	
Surr: 2,4,6-Tribromophenol	97		100.0		97.0	55	137		0	30	
Surr: 2-Chlorophenol-d4	81		100.0		81.3	34	117		0	30	
Surr: 2-Fluorobiphenyl	88		100.0		87.9	49	114		0	30	
Surr: 2-Fluorophenol	62		100.0		62.1	24	74		0	30	
Surr: 4-Terphenyl-d14	110		100.0		113	42	138		0	30	
Surr: Nitrobenzene-d5	100		100.0		101	47	115		0	30	
Surr: Phenol-d5	43		100.0		43.0	16	63		0	30	

Sample ID: **LCS-27736** SampType: **LCS** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/25/2006** RunNo: **62610**
Client ID: **LCSW** Batch ID: **27736** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/26/2006** SeqNo: **927617**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	91	10	100.0	0	91.4	60	120				
1,4-Dichlorobenzene	78	10	100.0	0	77.8	56	103				
2,4-Dinitrotoluene	100	10	100.0	0	103	71	136				
2-Chlorophenol	79	10	100.0	0	79.0	59	107				
4-Chloro-3-methylphenol	100	50	100.0	0	102	72	126				
4-Nitrophenol	62	50	100.0	0	61.5	30	88				
Acenaphthene	87	10	100.0	0	87.1	72	119				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
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CLIENT: Ninyo & Moore
Work Order: 083942
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **LCS-27736** SampType: **LCS** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/25/2006** RunNo: **62610**
Client ID: **LCSW** Batch ID: **27736** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/26/2006** SeqNo: **927617**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
N-Nitrosodi-n-propylamine	94	10	100.0	0	93.7	65	120				
Pentachlorophenol	110	50	100.0	0	108	78	122				
Phenol	44	10	100.0	0	44.4	35	66				
Pyrene	100	10	100.0	0	102	73	127				
Surr: 1,2-Dichlorobenzene-d4	70		100.0		70.3	41	103				
Surr: 2,4,6-Tribromophenol	100		100.0		100	55	137				
Surr: 2-Chlorophenol-d4	76		100.0		76.4	34	117				
Surr: 2-Fluorobiphenyl	79		100.0		78.5	49	114				
Surr: 2-Fluorophenol	59		100.0		58.7	24	74				
Surr: 4-Terphenyl-d14	88		100.0		88.0	42	138				
Surr: Nitrobenzene-d5	93		100.0		93.1	47	115				
Surr: Phenol-d5	41		100.0		41.1	16	63				

Sample ID: **MB-27736** SampType: **MBLK** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/25/2006** RunNo: **62610**
Client ID: **PBW** Batch ID: **27736** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/26/2006** SeqNo: **927618**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	10									
1,2-Dichlorobenzene	ND	10									
1,3-Dichlorobenzene	ND	10									
1,4-Dichlorobenzene	ND	10									
2,4,5-Trichlorophenol	ND	10									
2,4,6-Trichlorophenol	ND	10									
2,4-Dichlorophenol	ND	10									
2,4-Dimethylphenol	ND	10									
2,4-Dinitrophenol	ND	50									
2,4-Dinitrotoluene	ND	10									
2,6-Dinitrotoluene	ND	10									
2-Chloronaphthalene	ND	10									
2-Chlorophenol	ND	10									
2-Methylnaphthalene	ND	10									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083942
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **MB-27736** SampType: **MBLK** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/25/2006** RunNo: **62610**
Client ID: **PBW** Batch ID: **27736** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/26/2006** SeqNo: **927618**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylphenol	ND	10									
2-Nitroaniline	ND	50									
2-Nitrophenol	ND	10									
3,3´-Dichlorobenzidine	ND	20									
3-Nitroaniline	ND	50									
4,6-Dinitro-2-methylphenol	ND	50									
4-Bromophenyl-phenylether	ND	10									
4-Chloro-3-methylphenol	ND	50									
4-Chloroaniline	ND	20									
4-Chlorophenyl-phenylether	ND	10									
4-Methylphenol	ND	10									
4-Nitroaniline	ND	20									
4-Nitrophenol	ND	50									
Acenaphthene	ND	10									
Acenaphthylene	ND	10									
Anthracene	ND	10									
Benzidine (M)	ND	50									
Benzo(a)anthracene	ND	10									
Benzo(a)pyrene	ND	10									
Benzo(b)fluoranthene	ND	10									
Benzo(g,h,i)perylene	ND	10									
Benzo(k)fluoranthene	ND	10									
Benzoic acid	ND	50									
Benzyl alcohol	ND	20									
Bis(2-chloroethoxy)methane	ND	10									
Bis(2-chloroethyl)ether	ND	10									
Bis(2-chloroisopropyl)ether	ND	10									
Bis(2-ethylhexyl)phthalate	ND	10									
Butylbenzylphthalate	ND	10									
Chrysene	ND	10									
Di-n-butylphthalate	ND	10									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
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CLIENT: Ninyo & Moore
Work Order: 083942
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **MB-27736** SampType: **MBLK** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/25/2006** RunNo: **62610**
Client ID: **PBW** Batch ID: **27736** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/26/2006** SeqNo: **927618**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Di-n-octylphthalate	ND	10									
Dibenz(a,h)anthracene	ND	10									
Dibenzofuran	ND	10									
Diethylphthalate	ND	10									
Dimethylphthalate	ND	10									
Fluoranthene	ND	10									
Fluorene	ND	10									
Hexachlorobenzene	ND	10									
Hexachlorobutadiene	ND	20									
Hexachlorocyclopentadiene	ND	10									
Hexachloroethane	ND	10									
Indeno(1,2,3-cd)pyrene	ND	10									
Isophorone	ND	10									
N-Nitrosodi-n-propylamine	ND	10									
N-Nitrosodiphenylamine	ND	10									
Naphthalene	ND	10									
Nitrobenzene	ND	10									
Pentachlorophenol	ND	50									
Phenanthrene	ND	10									
Phenol	ND	10									
Pyrene	ND	10									
Surr: 1,2-Dichlorobenzene-d4	78		100.0		77.7	41	103				
Surr: 2,4,6-Tribromophenol	90		100.0		90.3	55	137				
Surr: 2-Chlorophenol-d4	78		100.0		77.8	34	117				
Surr: 2-Fluorobiphenyl	82		100.0		82.1	49	114				
Surr: 2-Fluorophenol	59		100.0		59.1	24	74				
Surr: 4-Terphenyl-d14	94		100.0		94.0	42	138				
Surr: Nitrobenzene-d5	94		100.0		93.6	47	115				
Surr: Phenol-d5	41		100.0		40.6	16	63				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
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CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:
Logged By: Date: 4/20/06

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other:

Sample Condition Upon Receipt:
1. CHILLED Y☑ N☐ 4. SEALED Y☐ N☑
2. HEADSPACE (VOA) Y☐ N☑ 5. # OF SPLS MATCH COC Y☑ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☑ N☐

Client: Ninyo & Moore
Attn: Scott Snyder
Address: 5710 Ruffin Rd
City: San Diego State: CA Zip Code: 92123
TEL: (858) 576-1000
FAX: (858) 576-9600

Project Name: I-5 Expansion
Project #: 105812001
Sampler: (Printed Name) Matt Fuller (Signature)

Relinquished by: (Signature and Printed Name) Matt Fuller — Date: 4/20/06 Time: 1335 — Received by: (Signature and Printed Name) ATL Joel Valdez — Date: 4/20/06 Time: 1355
Relinquished by: (Signature and Printed Name) — Date: 4/20/06 Time: 1715 — Received by: (Signature and Printed Name) — Date: 4/20/06 Time: 1715
Relinquished by: (Signature and Printed Name) — Date: Time: — Received by: (Signature and Printed Name) — Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Matt Fuller 4-19-06
Print Name Date
Signature: Matt Fuller

Send Report To:
Attn: Scott Snyder
Co: Ninyo & Moore
Address: 5710 Ruffin Rd
City: San Diego State: CA Zip: 92123

Bill To:
Attn: same as
Co: ←
Address: previous
City State Zip

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (SVOCs)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	total lead	soil TPH-g/D	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Type	PRESERVATION	REMARKS
	083942-001	NM03-B7-TRIP	4-19-06	0900			X										X			E	2	VG	H	
	-002	NM03-B7-1.0		0913									X			X					1	JG	C	
	-003	NM03-B7-6.0		0939																	1	TM	C	HOLD
	-004	NM03-B7-11.0		0947																	1	TM	C	
	-005	NM03-B7-16.0		0955																	1	TM	C	
	-006	NM03-B7-21.0		1006																	1	TM	C	
	-007	NM03-B7-26.0		1018																	1	TM	C	
	-008	NM03-B7-30		1030			X	X						X							1	TM	C	
	-009	NM03-B7-35		1046			X	X						X							1	TM	C	
	-010	NM03-B7-41		1115			X	X						X							1	TM	C	

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: Date: 4/20/06

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other:

Sample Condition Upon Receipt:
1. CHILLED Y☑ N☐ 4. SEALED Y☐ N☑
2. HEADSPACE (VOA) Y☐ N☑ 5. # OF SPLS MATCH COC Y☑ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☑ N☐

Client: Ninyo & Moore
Attn: Scott Snyder
Address: 5710 Ruffin Rd
City: San Diego State: CA Zip Code: 92123
TEL: (858) 576-9600
FAX: (858) 576-1000

Project Name: I-5 Expansion Project #: 105812001 Sampler: (Printed Name) Matt Fellin (Signature) Matt Fellin

Relinquished by: (Signature and Printed Name) Matt Fellin	Date: 4/20/06	Time: 1325	Received by: (Signature and Printed Name) ATL Joel Arcio	Date: 4/20/06	Time: 1325
Relinquished by: (Signature and Printed Name)	Date: 4/20/06	Time: 1715	Received by: (Signature and Printed Name)	Date: 4/20/06	Time: 1715
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Matt Fellin (Print Name) 4-19-06 (Date) Matt Fellin (Signature)

Send Report To: Attn: Scott Snyder Co: Ninyo & Moore Address: 5710 Ruffin Rd City: SD State: CA Zip: 92123

Bill To: Attn: same as Co: ← Address: previous City: State: Zip:

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested: 8081A (Pesticides); 8082 (PCB); 8260B (Volatiles); 8270C (SVOCs); 6010B (Total Metal); 8015B (GRO) / 8020 (BTEX); 8015B (DRO); 8021 (BTEX); TITLE 22 / CAM 17 (6010 / 7000); 8015 TPHGD

SPECIFY APPROPRIATE MATRIX: SOIL; WATER; GROUND WATER; WASTEWATER

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A	8082	8260B	8270C	6010B	8015B (GRO)	8015B (DRO)	8021	TITLE 22	8015 TPHGD	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Type	PRESERVATION	REMARKS
	083942-011	NM03-B7-46.0	4-19-06	1136											X				E	1	T M	C	
	-012	NM03-B7-50.0		1155											X					1	T M	C	
	-013	NM03-B7-55.0		1210											X					1	T M	C	
	-014	NM03-B7-GW		1245			X	X					X				X			8	V/L G	HCl	
	-015	NM03-B7-Equip		1310			X	X					X			X				8	V/L G	HCl	

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr; B= Emergency Next workday; C= Critical 2 Workdays; D= Urgent 3 Workdays; E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

April 24, 2006

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 083883

RE: I-5 EXPANSION, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on April 18, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: *24-Apr-06*

CLIENT: Ninyo & Moore
Project: I-5 EXPANSION, 105812001
Lab Order: 083883
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
083883-001A	NM03-B6-TRIP	Water	4/17/2006	4/18/2006	4/24/2006
083883-002A	NM03-B6-1.0	Soil	4/17/2006	4/18/2006	4/24/2006
083883-003A	NM03-B6-6.0	Soil	4/17/2006	4/18/2006	4/24/2006
083883-004A	NM03-B6-11.0	Soil	4/17/2006	4/18/2006	4/24/2006
083883-005A	NM03-B6-16.0	Soil	4/17/2006	4/18/2006	4/24/2006
083883-006A	NM03-B6-GW	Ground Water	4/17/2006	4/18/2006	4/24/2006
083883-006B	NM03-B6-GW	Ground Water	4/17/2006	4/18/2006	4/24/2006
083883-006C	NM03-B6-GW	Ground Water	4/17/2006	4/18/2006	4/24/2006
083883-006D	NM03-B6-GW	Ground Water	4/17/2006	4/18/2006	4/24/2006
083883-007A	NM03-B6-Equip	Water	4/17/2006	4/18/2006	4/24/2006
083883-007B	NM03-B6-Equip	Water	4/17/2006	4/18/2006	4/24/2006
083883-007C	NM03-B6-Equip	Water	4/17/2006	4/18/2006	4/24/2006
083883-007D	NM03-B6-Equip	Water	4/17/2006	4/18/2006	4/24/2006

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *24-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083883
Project: I-5 EXPANSION, 105812001
Lab ID: 083883-001

Client Sample ID: NM03-B6-TRIP
Collection Date: 4/17/2006 9:30:00 AM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS11_060419A	QC Batch: A06VW098				PrepDate:	Analyst: **HH**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	4/19/2006
1,1,1-Trichloroethane	ND	5.0		µg/L	1	4/19/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	4/19/2006
1,1,2-Trichloroethane	ND	5.0		µg/L	1	4/19/2006
1,1-Dichloroethane	ND	5.0		µg/L	1	4/19/2006
1,1-Dichloroethene	ND	5.0		µg/L	1	4/19/2006
1,1-Dichloropropene	ND	5.0		µg/L	1	4/19/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/L	1	4/19/2006
1,2,3-Trichloropropane	ND	5.0		µg/L	1	4/19/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	4/19/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/L	1	4/19/2006
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	4/19/2006
1,2-Dibromoethane	ND	5.0		µg/L	1	4/19/2006
1,2-Dichlorobenzene	ND	5.0		µg/L	1	4/19/2006
1,2-Dichloroethane	ND	5.0		µg/L	1	4/19/2006
1,2-Dichloropropane	ND	5.0		µg/L	1	4/19/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	4/19/2006
1,3-Dichlorobenzene	ND	5.0		µg/L	1	4/19/2006
1,3-Dichloropropane	ND	5.0		µg/L	1	4/19/2006
1,4-Dichlorobenzene	ND	5.0		µg/L	1	4/19/2006
2,2-Dichloropropane	ND	5.0		µg/L	1	4/19/2006
2-Chlorotoluene	ND	5.0		µg/L	1	4/19/2006
4-Chlorotoluene	ND	5.0		µg/L	1	4/19/2006
4-Isopropyltoluene	ND	5.0		µg/L	1	4/19/2006
Benzene	ND	5.0		µg/L	1	4/19/2006
Bromobenzene	ND	5.0		µg/L	1	4/19/2006
Bromodichloromethane	ND	5.0		µg/L	1	4/19/2006
Bromoform	ND	5.0		µg/L	1	4/19/2006
Bromomethane	ND	5.0		µg/L	1	4/19/2006
Carbon tetrachloride	ND	5.0		µg/L	1	4/19/2006
Chlorobenzene	ND	5.0		µg/L	1	4/19/2006
Chloroethane	ND	5.0		µg/L	1	4/19/2006
Chloroform	ND	5.0		µg/L	1	4/19/2006
Chloromethane	ND	5.0		µg/L	1	4/19/2006
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	4/19/2006
Dibromochloromethane	ND	5.0		µg/L	1	4/19/2006
Dibromomethane	ND	5.0		µg/L	1	4/19/2006
Dichlorodifluoromethane	ND	5.0		µg/L	1	4/19/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *24-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B6-TRIP
Lab Order:	083883	**Collection Date:**	4/17/2006 9:30:00 AM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083883-001	**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS11_060419A	QC Batch:	A06VW098			PrepDate:	Analyst: **HH**
Ethylbenzene	ND	5.0		µg/L	1	4/19/2006
Hexachlorobutadiene	ND	5.0		µg/L	1	4/19/2006
Isopropylbenzene	ND	5.0		µg/L	1	4/19/2006
m,p-Xylene	ND	10		µg/L	1	4/19/2006
Methylene chloride	ND	5.0		µg/L	1	4/19/2006
n-Butylbenzene	ND	5.0		µg/L	1	4/19/2006
n-Propylbenzene	ND	5.0		µg/L	1	4/19/2006
Naphthalene	ND	5.0		µg/L	1	4/19/2006
o-Xylene	ND	5.0		µg/L	1	4/19/2006
sec-Butylbenzene	ND	5.0		µg/L	1	4/19/2006
Styrene	ND	5.0		µg/L	1	4/19/2006
tert-Butylbenzene	ND	5.0		µg/L	1	4/19/2006
Tetrachloroethene	ND	5.0		µg/L	1	4/19/2006
Toluene	ND	5.0		µg/L	1	4/19/2006
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	4/19/2006
Trichloroethene	ND	5.0		µg/L	1	4/19/2006
Trichlorofluoromethane	ND	5.0		µg/L	1	4/19/2006
Vinyl chloride	ND	5.0		µg/L	1	4/19/2006
Surr: 1,2-Dichloroethane-d4	81.8	70-126		%REC	1	4/19/2006
Surr: 4-Bromofluorobenzene	92.7	63-134		%REC	1	4/19/2006
Surr: Dibromofluoromethane	87.5	73-124		%REC	1	4/19/2006
Surr: Toluene-d8	94.1	84-123		%REC	1	4/19/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *24-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B6-1.0
Lab Order:	083883	**Collection Date:**	4/17/2006 10:00:00 AM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083883-002	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
LUFT				**EPA 8015B(M)**		
RunID: GC7_060420B	QC Batch: 27699			PrepDate: 4/20/2006		Analyst: **CBR**
DRO	ND	10		mg/Kg	1	4/20/2006
Surr: p-Terphenyl	94.6	56-131		%REC	1	4/20/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_060419A	QC Batch: E06VS085			PrepDate:		Analyst: **TT**
GRO	ND	1.0		mg/Kg	1	4/19/2006
Surr: Bromofluorobenzene (FID)	85.9	42-138		%REC	1	4/19/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060420A	QC Batch: R06VS081			PrepDate:		Analyst: **TT**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1	4/20/2006
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	4/20/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	4/20/2006
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	4/20/2006
1,1-Dichloroethane	ND	5.0		µg/Kg	1	4/20/2006
1,1-Dichloroethene	ND	5.0		µg/Kg	1	4/20/2006
1,1-Dichloropropene	ND	5.0		µg/Kg	1	4/20/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1	4/20/2006
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1	4/20/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1	4/20/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1	4/20/2006
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1	4/20/2006
1,2-Dibromoethane	ND	5.0		µg/Kg	1	4/20/2006
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1	4/20/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	4/20/2006
1,2-Dichloropropane	ND	5.0		µg/Kg	1	4/20/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1	4/20/2006
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1	4/20/2006
1,3-Dichloropropane	ND	5.0		µg/Kg	1	4/20/2006
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1	4/20/2006
2,2-Dichloropropane	ND	5.0		µg/Kg	1	4/20/2006
2-Chlorotoluene	ND	5.0		µg/Kg	1	4/20/2006
4-Chlorotoluene	ND	5.0		µg/Kg	1	4/20/2006
4-Isopropyltoluene	ND	5.0		µg/Kg	1	4/20/2006
Benzene	ND	5.0		µg/Kg	1	4/20/2006
Bromobenzene	ND	5.0		µg/Kg	1	4/20/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *24-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083883
Project: I-5 EXPANSION, 105812001
Lab ID: 083883-002

Client Sample ID: NM03-B6-1.0
Collection Date: 4/17/2006 10:00:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060420A	QC Batch: R06VS081			PrepDate:		Analyst: **TT**
Bromodichloromethane	ND	5.0		µg/Kg	1	4/20/2006
Bromoform	ND	5.0		µg/Kg	1	4/20/2006
Bromomethane	ND	5.0		µg/Kg	1	4/20/2006
Carbon tetrachloride	ND	5.0		µg/Kg	1	4/20/2006
Chlorobenzene	ND	5.0		µg/Kg	1	4/20/2006
Chloroethane	ND	5.0		µg/Kg	1	4/20/2006
Chloroform	ND	5.0		µg/Kg	1	4/20/2006
Chloromethane	ND	5.0		µg/Kg	1	4/20/2006
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	4/20/2006
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	4/20/2006
Dibromochloromethane	ND	5.0		µg/Kg	1	4/20/2006
Dibromomethane	ND	5.0		µg/Kg	1	4/20/2006
Dichlorodifluoromethane	ND	5.0		µg/Kg	1	4/20/2006
Ethylbenzene	ND	5.0		µg/Kg	1	4/20/2006
Hexachlorobutadiene	ND	5.0		µg/Kg	1	4/20/2006
Isopropylbenzene	ND	5.0		µg/Kg	1	4/20/2006
m,p-Xylene	ND	10		µg/Kg	1	4/20/2006
Methylene chloride	ND	5.0		µg/Kg	1	4/20/2006
n-Butylbenzene	ND	5.0		µg/Kg	1	4/20/2006
n-Propylbenzene	ND	5.0		µg/Kg	1	4/20/2006
Naphthalene	ND	5.0		µg/Kg	1	4/20/2006
o-Xylene	ND	5.0		µg/Kg	1	4/20/2006
sec-Butylbenzene	ND	5.0		µg/Kg	1	4/20/2006
Styrene	ND	5.0		µg/Kg	1	4/20/2006
tert-Butylbenzene	ND	5.0		µg/Kg	1	4/20/2006
Tetrachloroethene	ND	5.0		µg/Kg	1	4/20/2006
Toluene	ND	5.0		µg/Kg	1	4/20/2006
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	4/20/2006
Trichloroethene	ND	5.0		µg/Kg	1	4/20/2006
Trichlorofluoromethane	ND	5.0		µg/Kg	1	4/20/2006
Vinyl chloride	ND	5.0		µg/Kg	1	4/20/2006
Surr: 1,2-Dichloroethane-d4	111	58-138		%REC	1	4/20/2006
Surr: 4-Bromofluorobenzene	108	74-130		%REC	1	4/20/2006
Surr: Dibromofluoromethane	112	58-135		%REC	1	4/20/2006
Surr: Toluene-d8	113	84-130		%REC	1	4/20/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *24-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B6-1.0
Lab Order:	083883	**Collection Date:**	4/17/2006 10:00:00 AM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083883-002	**Matrix:**	SOIL

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B **EPA 8270C**

RunID: MS7_060420A QC Batch: 27698 PrepDate: 4/20/2006 Analyst: **MFR**

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
1,2,4-Trichlorobenzene	ND	330		µg/Kg	1	4/20/2006
1,2-Dichlorobenzene	ND	330		µg/Kg	1	4/20/2006
1,3-Dichlorobenzene	ND	330		µg/Kg	1	4/20/2006
1,4-Dichlorobenzene	ND	330		µg/Kg	1	4/20/2006
2,4,5-Trichlorophenol	ND	330		µg/Kg	1	4/20/2006
2,4,6-Trichlorophenol	ND	330		µg/Kg	1	4/20/2006
2,4-Dichlorophenol	ND	1600		µg/Kg	1	4/20/2006
2,4-Dimethylphenol	ND	330		µg/Kg	1	4/20/2006
2,4-Dinitrophenol	ND	1600		µg/Kg	1	4/20/2006
2,4-Dinitrotoluene	ND	330		µg/Kg	1	4/20/2006
2,6-Dinitrotoluene	ND	330		µg/Kg	1	4/20/2006
2-Chloronaphthalene	ND	330		µg/Kg	1	4/20/2006
2-Chlorophenol	ND	330		µg/Kg	1	4/20/2006
2-Methylnaphthalene	ND	330		µg/Kg	1	4/20/2006
2-Methylphenol	ND	330		µg/Kg	1	4/20/2006
2-Nitroaniline	ND	1600		µg/Kg	1	4/20/2006
2-Nitrophenol	ND	330		µg/Kg	1	4/20/2006
3,3´-Dichlorobenzidine	ND	660		µg/Kg	1	4/20/2006
3-Nitroaniline	ND	1600		µg/Kg	1	4/20/2006
4,6-Dinitro-2-methylphenol	ND	1600		µg/Kg	1	4/20/2006
4-Bromophenyl-phenylether	ND	330		µg/Kg	1	4/20/2006
4-Chloro-3-methylphenol	ND	660		µg/Kg	1	4/20/2006
4-Chloroaniline	ND	660		µg/Kg	1	4/20/2006
4-Chlorophenyl-phenylether	ND	330		µg/Kg	1	4/20/2006
4-Methylphenol	ND	330		µg/Kg	1	4/20/2006
4-Nitroaniline	ND	1600		µg/Kg	1	4/20/2006
4-Nitrophenol	ND	1600		µg/Kg	1	4/20/2006
Acenaphthene	ND	330		µg/Kg	1	4/20/2006
Acenaphthylene	ND	330		µg/Kg	1	4/20/2006
Anthracene	ND	330		µg/Kg	1	4/20/2006
Benzidine (M)	ND	1600		µg/Kg	1	4/20/2006
Benzo(a)anthracene	ND	330		µg/Kg	1	4/20/2006
Benzo(a)pyrene	ND	330		µg/Kg	1	4/20/2006
Benzo(b)fluoranthene	ND	330		µg/Kg	1	4/20/2006
Benzo(g,h,i)perylene	ND	330		µg/Kg	1	4/20/2006
Benzo(k)fluoranthene	ND	330		µg/Kg	1	4/20/2006
Benzoic acid	ND	1600		µg/Kg	1	4/20/2006
Benzyl alcohol	ND	660		µg/Kg	1	4/20/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *24-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083883
Project: I-5 EXPANSION, 105812001
Lab ID: 083883-002

Client Sample ID: NM03-B6-1.0
Collection Date: 4/17/2006 10:00:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS7_060420A	QC Batch: 27698			PrepDate:	4/20/2006	Analyst: **MFR**
Bis(2-chloroethoxy)methane	ND	330		µg/Kg	1	4/20/2006
Bis(2-chloroethyl)ether	ND	330		µg/Kg	1	4/20/2006
Bis(2-chloroisopropyl)ether	ND	330		µg/Kg	1	4/20/2006
Bis(2-ethylhexyl)phthalate	ND	330		µg/Kg	1	4/20/2006
Butylbenzylphthalate	ND	330		µg/Kg	1	4/20/2006
Chrysene	ND	330		µg/Kg	1	4/20/2006
Di-n-butylphthalate	ND	330		µg/Kg	1	4/20/2006
Di-n-octylphthalate	ND	330		µg/Kg	1	4/20/2006
Dibenz(a,h)anthracene	ND	330		µg/Kg	1	4/20/2006
Dibenzofuran	ND	330		µg/Kg	1	4/20/2006
Diethylphthalate	ND	330		µg/Kg	1	4/20/2006
Dimethylphthalate	ND	330		µg/Kg	1	4/20/2006
Fluoranthene	ND	330		µg/Kg	1	4/20/2006
Fluorene	ND	330		µg/Kg	1	4/20/2006
Hexachlorobenzene	ND	330		µg/Kg	1	4/20/2006
Hexachlorobutadiene	ND	660		µg/Kg	1	4/20/2006
Hexachlorocyclopentadiene	ND	660		µg/Kg	1	4/20/2006
Hexachloroethane	ND	330		µg/Kg	1	4/20/2006
Indeno(1,2,3-cd)pyrene	ND	330		µg/Kg	1	4/20/2006
Isophorone	ND	330		µg/Kg	1	4/20/2006
N-Nitrosodi-n-propylamine	ND	330		µg/Kg	1	4/20/2006
N-Nitrosodiphenylamine	ND	330		µg/Kg	1	4/20/2006
Naphthalene	ND	330		µg/Kg	1	4/20/2006
Nitrobenzene	ND	330		µg/Kg	1	4/20/2006
Pentachlorophenol	ND	1600		µg/Kg	1	4/20/2006
Phenanthrene	ND	330		µg/Kg	1	4/20/2006
Phenol	ND	330		µg/Kg	1	4/20/2006
Pyrene	ND	330		µg/Kg	1	4/20/2006
Surr: 1,2-Dichlorobenzene-d4	65.6	46-105		%REC	1	4/20/2006
Surr: 2,4,6-Tribromophenol	101	46-146		%REC	1	4/20/2006
Surr: 2-Chlorophenol-d4	79.2	48-117		%REC	1	4/20/2006
Surr: 2-Fluorobiphenyl	82.8	54-112		%REC	1	4/20/2006
Surr: 2-Fluorophenol	77.0	45-119		%REC	1	4/20/2006
Surr: 4-Terphenyl-d14	71.5	46-135		%REC	1	4/20/2006
Surr: Nitrobenzene-d5	84.2	40-116		%REC	1	4/20/2006
Surr: Phenol-d5	84.7	37-127		%REC	1	4/20/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
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Advanced Technology Laboratories

Date: *24-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B6-6.0
Lab Order:	083883	**Collection Date:**	4/17/2006 11:03:00 AM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083883-003	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
LUFT				**EPA 8015B(M)**		
RunID: GC7_060420B	QC Batch: 27699			PrepDate: 4/20/2006		Analyst: **CBR**
DRO	ND	10		mg/Kg	1	4/20/2006
Surr: p-Terphenyl	89.3	56-131		%REC	1	4/20/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_060419A	QC Batch: E06VS085			PrepDate:		Analyst: **TT**
GRO	ND	1.0		mg/Kg	1	4/19/2006
Surr: Bromofluorobenzene (FID)	87.5	42-138		%REC	1	4/19/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060420A	QC Batch: R06VS081			PrepDate:		Analyst: **TT**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1	4/20/2006
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	4/20/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	4/20/2006
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	4/20/2006
1,1-Dichloroethane	ND	5.0		µg/Kg	1	4/20/2006
1,1-Dichloroethene	ND	5.0		µg/Kg	1	4/20/2006
1,1-Dichloropropene	ND	5.0		µg/Kg	1	4/20/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1	4/20/2006
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1	4/20/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1	4/20/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1	4/20/2006
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1	4/20/2006
1,2-Dibromoethane	ND	5.0		µg/Kg	1	4/20/2006
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1	4/20/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	4/20/2006
1,2-Dichloropropane	ND	5.0		µg/Kg	1	4/20/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1	4/20/2006
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1	4/20/2006
1,3-Dichloropropane	ND	5.0		µg/Kg	1	4/20/2006
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1	4/20/2006
2,2-Dichloropropane	ND	5.0		µg/Kg	1	4/20/2006
2-Chlorotoluene	ND	5.0		µg/Kg	1	4/20/2006
4-Chlorotoluene	ND	5.0		µg/Kg	1	4/20/2006
4-Isopropyltoluene	ND	5.0		µg/Kg	1	4/20/2006
Benzene	ND	5.0		µg/Kg	1	4/20/2006
Bromobenzene	ND	5.0		µg/Kg	1	4/20/2006

Qualifiers:

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S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *24-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083883
Project: I-5 EXPANSION, 105812001
Lab ID: 083883-003

Client Sample ID: NM03-B6-6.0
Collection Date: 4/17/2006 11:03:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060420A	QC Batch: R06VS081			PrepDate:		Analyst: **TT**
Bromodichloromethane	ND	5.0		µg/Kg	1	4/20/2006
Bromoform	ND	5.0		µg/Kg	1	4/20/2006
Bromomethane	ND	5.0		µg/Kg	1	4/20/2006
Carbon tetrachloride	ND	5.0		µg/Kg	1	4/20/2006
Chlorobenzene	ND	5.0		µg/Kg	1	4/20/2006
Chloroethane	ND	5.0		µg/Kg	1	4/20/2006
Chloroform	ND	5.0		µg/Kg	1	4/20/2006
Chloromethane	ND	5.0		µg/Kg	1	4/20/2006
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	4/20/2006
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	4/20/2006
Dibromochloromethane	ND	5.0		µg/Kg	1	4/20/2006
Dibromomethane	ND	5.0		µg/Kg	1	4/20/2006
Dichlorodifluoromethane	ND	5.0		µg/Kg	1	4/20/2006
Ethylbenzene	ND	5.0		µg/Kg	1	4/20/2006
Hexachlorobutadiene	ND	5.0		µg/Kg	1	4/20/2006
Isopropylbenzene	ND	5.0		µg/Kg	1	4/20/2006
m,p-Xylene	ND	10		µg/Kg	1	4/20/2006
Methylene chloride	ND	5.0		µg/Kg	1	4/20/2006
n-Butylbenzene	ND	5.0		µg/Kg	1	4/20/2006
n-Propylbenzene	ND	5.0		µg/Kg	1	4/20/2006
Naphthalene	ND	5.0		µg/Kg	1	4/20/2006
o-Xylene	ND	5.0		µg/Kg	1	4/20/2006
sec-Butylbenzene	ND	5.0		µg/Kg	1	4/20/2006
Styrene	ND	5.0		µg/Kg	1	4/20/2006
tert-Butylbenzene	ND	5.0		µg/Kg	1	4/20/2006
Tetrachloroethene	ND	5.0		µg/Kg	1	4/20/2006
Toluene	ND	5.0		µg/Kg	1	4/20/2006
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	4/20/2006
Trichloroethene	ND	5.0		µg/Kg	1	4/20/2006
Trichlorofluoromethane	ND	5.0		µg/Kg	1	4/20/2006
Vinyl chloride	ND	5.0		µg/Kg	1	4/20/2006
Surr: 1,2-Dichloroethane-d4	109	58-138		%REC	1	4/20/2006
Surr: 4-Bromofluorobenzene	98.3	74-130		%REC	1	4/20/2006
Surr: Dibromofluoromethane	104	58-135		%REC	1	4/20/2006
Surr: Toluene-d8	103	84-130		%REC	1	4/20/2006

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Advanced Technology Laboratories

Date: *24-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B6-6.0
Lab Order:	083883	**Collection Date:**	4/17/2006 11:03:00 AM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083883-003	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS7_060420A	QC Batch: 27698			PrepDate:	4/20/2006	Analyst: **MFR**
1,2,4-Trichlorobenzene	ND	330		µg/Kg	1	4/20/2006
1,2-Dichlorobenzene	ND	330		µg/Kg	1	4/20/2006
1,3-Dichlorobenzene	ND	330		µg/Kg	1	4/20/2006
1,4-Dichlorobenzene	ND	330		µg/Kg	1	4/20/2006
2,4,5-Trichlorophenol	ND	330		µg/Kg	1	4/20/2006
2,4,6-Trichlorophenol	ND	330		µg/Kg	1	4/20/2006
2,4-Dichlorophenol	ND	1600		µg/Kg	1	4/20/2006
2,4-Dimethylphenol	ND	330		µg/Kg	1	4/20/2006
2,4-Dinitrophenol	ND	1600		µg/Kg	1	4/20/2006
2,4-Dinitrotoluene	ND	330		µg/Kg	1	4/20/2006
2,6-Dinitrotoluene	ND	330		µg/Kg	1	4/20/2006
2-Chloronaphthalene	ND	330		µg/Kg	1	4/20/2006
2-Chlorophenol	ND	330		µg/Kg	1	4/20/2006
2-Methylnaphthalene	ND	330		µg/Kg	1	4/20/2006
2-Methylphenol	ND	330		µg/Kg	1	4/20/2006
2-Nitroaniline	ND	1600		µg/Kg	1	4/20/2006
2-Nitrophenol	ND	330		µg/Kg	1	4/20/2006
3,3´-Dichlorobenzidine	ND	660		µg/Kg	1	4/20/2006
3-Nitroaniline	ND	1600		µg/Kg	1	4/20/2006
4,6-Dinitro-2-methylphenol	ND	1600		µg/Kg	1	4/20/2006
4-Bromophenyl-phenylether	ND	330		µg/Kg	1	4/20/2006
4-Chloro-3-methylphenol	ND	660		µg/Kg	1	4/20/2006
4-Chloroaniline	ND	660		µg/Kg	1	4/20/2006
4-Chlorophenyl-phenylether	ND	330		µg/Kg	1	4/20/2006
4-Methylphenol	ND	330		µg/Kg	1	4/20/2006
4-Nitroaniline	ND	1600		µg/Kg	1	4/20/2006
4-Nitrophenol	ND	1600		µg/Kg	1	4/20/2006
Acenaphthene	ND	330		µg/Kg	1	4/20/2006
Acenaphthylene	ND	330		µg/Kg	1	4/20/2006
Anthracene	ND	330		µg/Kg	1	4/20/2006
Benzidine (M)	ND	1600		µg/Kg	1	4/20/2006
Benzo(a)anthracene	ND	330		µg/Kg	1	4/20/2006
Benzo(a)pyrene	ND	330		µg/Kg	1	4/20/2006
Benzo(b)fluoranthene	ND	330		µg/Kg	1	4/20/2006
Benzo(g,h,i)perylene	ND	330		µg/Kg	1	4/20/2006
Benzo(k)fluoranthene	ND	330		µg/Kg	1	4/20/2006
Benzoic acid	ND	1600		µg/Kg	1	4/20/2006
Benzyl alcohol	ND	660		µg/Kg	1	4/20/2006

Qualifiers:

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DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *24-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083883
Project: I-5 EXPANSION, 105812001
Lab ID: 083883-003

Client Sample ID: NM03-B6-6.0
Collection Date: 4/17/2006 11:03:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS7_060420A	QC Batch: 27698			PrepDate:	4/20/2006	Analyst: **MFR**
Bis(2-chloroethoxy)methane	ND	330		µg/Kg	1	4/20/2006
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Bis(2-chloroisopropyl)ether	ND	330		µg/Kg	1	4/20/2006
Bis(2-ethylhexyl)phthalate	ND	330		µg/Kg	1	4/20/2006
Butylbenzylphthalate	ND	330		µg/Kg	1	4/20/2006
Chrysene	ND	330		µg/Kg	1	4/20/2006
Di-n-butylphthalate	ND	330		µg/Kg	1	4/20/2006
Di-n-octylphthalate	ND	330		µg/Kg	1	4/20/2006
Dibenz(a,h)anthracene	ND	330		µg/Kg	1	4/20/2006
Dibenzofuran	ND	330		µg/Kg	1	4/20/2006
Diethylphthalate	ND	330		µg/Kg	1	4/20/2006
Dimethylphthalate	ND	330		µg/Kg	1	4/20/2006
Fluoranthene	ND	330		µg/Kg	1	4/20/2006
Fluorene	ND	330		µg/Kg	1	4/20/2006
Hexachlorobenzene	ND	330		µg/Kg	1	4/20/2006
Hexachlorobutadiene	ND	660		µg/Kg	1	4/20/2006
Hexachlorocyclopentadiene	ND	660		µg/Kg	1	4/20/2006
Hexachloroethane	ND	330		µg/Kg	1	4/20/2006
Indeno(1,2,3-cd)pyrene	ND	330		µg/Kg	1	4/20/2006
Isophorone	ND	330		µg/Kg	1	4/20/2006
N-Nitrosodi-n-propylamine	ND	330		µg/Kg	1	4/20/2006
N-Nitrosodiphenylamine	ND	330		µg/Kg	1	4/20/2006
Naphthalene	ND	330		µg/Kg	1	4/20/2006
Nitrobenzene	ND	330		µg/Kg	1	4/20/2006
Pentachlorophenol	ND	1600		µg/Kg	1	4/20/2006
Phenanthrene	ND	330		µg/Kg	1	4/20/2006
Phenol	ND	330		µg/Kg	1	4/20/2006
Pyrene	ND	330		µg/Kg	1	4/20/2006
Surr: 1,2-Dichlorobenzene-d4	69.0	46-105		%REC	1	4/20/2006
Surr: 2,4,6-Tribromophenol	118	46-146		%REC	1	4/20/2006
Surr: 2-Chlorophenol-d4	80.8	48-117		%REC	1	4/20/2006
Surr: 2-Fluorobiphenyl	86.0	54-112		%REC	1	4/20/2006
Surr: 2-Fluorophenol	79.4	45-119		%REC	1	4/20/2006
Surr: 4-Terphenyl-d14	72.0	46-135		%REC	1	4/20/2006
Surr: Nitrobenzene-d5	88.2	40-116		%REC	1	4/20/2006
Surr: Phenol-d5	85.6	37-127		%REC	1	4/20/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
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Advanced Technology Laboratories

Date: *24-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B6-11.0
Lab Order:	083883	**Collection Date:**	4/17/2006 11:42:00 AM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083883-004	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
LUFT				**EPA 8015B(M)**		
RunID: GC7_060420B	QC Batch: 27699			PrepDate: 4/20/2006		Analyst: **CBR**
DRO	ND	10		mg/Kg	1	4/20/2006
Surr: p-Terphenyl	94.3	56-131		%REC	1	4/20/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_060419A	QC Batch: E06VS085			PrepDate:		Analyst: **TT**
GRO	ND	1.0		mg/Kg	1	4/19/2006
Surr: Bromofluorobenzene (FID)	87.7	42-138		%REC	1	4/19/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060420A	QC Batch: R06VS081			PrepDate:		Analyst: **TT**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1	4/20/2006
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	4/20/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	4/20/2006
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	4/20/2006
1,1-Dichloroethane	ND	5.0		µg/Kg	1	4/20/2006
1,1-Dichloroethene	ND	5.0		µg/Kg	1	4/20/2006
1,1-Dichloropropene	ND	5.0		µg/Kg	1	4/20/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1	4/20/2006
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1	4/20/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1	4/20/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1	4/20/2006
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1	4/20/2006
1,2-Dibromoethane	ND	5.0		µg/Kg	1	4/20/2006
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1	4/20/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	4/20/2006
1,2-Dichloropropane	ND	5.0		µg/Kg	1	4/20/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1	4/20/2006
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1	4/20/2006
1,3-Dichloropropane	ND	5.0		µg/Kg	1	4/20/2006
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1	4/20/2006
2,2-Dichloropropane	ND	5.0		µg/Kg	1	4/20/2006
2-Chlorotoluene	ND	5.0		µg/Kg	1	4/20/2006
4-Chlorotoluene	ND	5.0		µg/Kg	1	4/20/2006
4-Isopropyltoluene	ND	5.0		µg/Kg	1	4/20/2006
Benzene	ND	5.0		µg/Kg	1	4/20/2006
Bromobenzene	ND	5.0		µg/Kg	1	4/20/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *24-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083883
Project: I-5 EXPANSION, 105812001
Lab ID: 083883-004

Client Sample ID: NM03-B6-11.0
Collection Date: 4/17/2006 11:42:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS3_060420A	QC Batch: R06VS081			PrepDate:		Analyst: **TT**
Bromodichloromethane	ND	5.0		µg/Kg	1	4/20/2006
Bromoform	ND	5.0		µg/Kg	1	4/20/2006
Bromomethane	ND	5.0		µg/Kg	1	4/20/2006
Carbon tetrachloride	ND	5.0		µg/Kg	1	4/20/2006
Chlorobenzene	ND	5.0		µg/Kg	1	4/20/2006
Chloroethane	ND	5.0		µg/Kg	1	4/20/2006
Chloroform	ND	5.0		µg/Kg	1	4/20/2006
Chloromethane	ND	5.0		µg/Kg	1	4/20/2006
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	4/20/2006
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	4/20/2006
Dibromochloromethane	ND	5.0		µg/Kg	1	4/20/2006
Dibromomethane	ND	5.0		µg/Kg	1	4/20/2006
Dichlorodifluoromethane	ND	5.0		µg/Kg	1	4/20/2006
Ethylbenzene	ND	5.0		µg/Kg	1	4/20/2006
Hexachlorobutadiene	ND	5.0		µg/Kg	1	4/20/2006
Isopropylbenzene	ND	5.0		µg/Kg	1	4/20/2006
m,p-Xylene	ND	10		µg/Kg	1	4/20/2006
Methylene chloride	ND	5.0		µg/Kg	1	4/20/2006
n-Butylbenzene	ND	5.0		µg/Kg	1	4/20/2006
n-Propylbenzene	ND	5.0		µg/Kg	1	4/20/2006
Naphthalene	ND	5.0		µg/Kg	1	4/20/2006
o-Xylene	ND	5.0		µg/Kg	1	4/20/2006
sec-Butylbenzene	ND	5.0		µg/Kg	1	4/20/2006
Styrene	ND	5.0		µg/Kg	1	4/20/2006
tert-Butylbenzene	ND	5.0		µg/Kg	1	4/20/2006
Tetrachloroethene	ND	5.0		µg/Kg	1	4/20/2006
Toluene	ND	5.0		µg/Kg	1	4/20/2006
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	4/20/2006
Trichloroethene	ND	5.0		µg/Kg	1	4/20/2006
Trichlorofluoromethane	ND	5.0		µg/Kg	1	4/20/2006
Vinyl chloride	ND	5.0		µg/Kg	1	4/20/2006
Surr: 1,2-Dichloroethane-d4	129	58-138		%REC	1	4/20/2006
Surr: 4-Bromofluorobenzene	107	74-130		%REC	1	4/20/2006
Surr: Dibromofluoromethane	118	58-135		%REC	1	4/20/2006
Surr: Toluene-d8	112	84-130		%REC	1	4/20/2006

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Advanced Technology Laboratories

Date: *24-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083883
Project: I-5 EXPANSION, 105812001
Lab ID: 083883-004

Client Sample ID: NM03-B6-11.0
Collection Date: 4/17/2006 11:42:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS7_060420A	QC Batch: 27698				PrepDate: 4/20/2006	Analyst: **MFR**
1,2,4-Trichlorobenzene	ND	330		µg/Kg	1	4/20/2006
1,2-Dichlorobenzene	ND	330		µg/Kg	1	4/20/2006
1,3-Dichlorobenzene	ND	330		µg/Kg	1	4/20/2006
1,4-Dichlorobenzene	ND	330		µg/Kg	1	4/20/2006
2,4,5-Trichlorophenol	ND	330		µg/Kg	1	4/20/2006
2,4,6-Trichlorophenol	ND	330		µg/Kg	1	4/20/2006
2,4-Dichlorophenol	ND	1600		µg/Kg	1	4/20/2006
2,4-Dimethylphenol	ND	330		µg/Kg	1	4/20/2006
2,4-Dinitrophenol	ND	1600		µg/Kg	1	4/20/2006
2,4-Dinitrotoluene	ND	330		µg/Kg	1	4/20/2006
2,6-Dinitrotoluene	ND	330		µg/Kg	1	4/20/2006
2-Chloronaphthalene	ND	330		µg/Kg	1	4/20/2006
2-Chlorophenol	ND	330		µg/Kg	1	4/20/2006
2-Methylnaphthalene	ND	330		µg/Kg	1	4/20/2006
2-Methylphenol	ND	330		µg/Kg	1	4/20/2006
2-Nitroaniline	ND	1600		µg/Kg	1	4/20/2006
2-Nitrophenol	ND	330		µg/Kg	1	4/20/2006
3,3´-Dichlorobenzidine	ND	660		µg/Kg	1	4/20/2006
3-Nitroaniline	ND	1600		µg/Kg	1	4/20/2006
4,6-Dinitro-2-methylphenol	ND	1600		µg/Kg	1	4/20/2006
4-Bromophenyl-phenylether	ND	330		µg/Kg	1	4/20/2006
4-Chloro-3-methylphenol	ND	660		µg/Kg	1	4/20/2006
4-Chloroaniline	ND	660		µg/Kg	1	4/20/2006
4-Chlorophenyl-phenylether	ND	330		µg/Kg	1	4/20/2006
4-Methylphenol	ND	330		µg/Kg	1	4/20/2006
4-Nitroaniline	ND	1600		µg/Kg	1	4/20/2006
4-Nitrophenol	ND	1600		µg/Kg	1	4/20/2006
Acenaphthene	ND	330		µg/Kg	1	4/20/2006
Acenaphthylene	ND	330		µg/Kg	1	4/20/2006
Anthracene	ND	330		µg/Kg	1	4/20/2006
Benzidine (M)	ND	1600		µg/Kg	1	4/20/2006
Benzo(a)anthracene	ND	330		µg/Kg	1	4/20/2006
Benzo(a)pyrene	ND	330		µg/Kg	1	4/20/2006
Benzo(b)fluoranthene	ND	330		µg/Kg	1	4/20/2006
Benzo(g,h,i)perylene	ND	330		µg/Kg	1	4/20/2006
Benzo(k)fluoranthene	ND	330		µg/Kg	1	4/20/2006
Benzoic acid	ND	1600		µg/Kg	1	4/20/2006
Benzyl alcohol	ND	660		µg/Kg	1	4/20/2006

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Advanced Technology Laboratories

Date: *24-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083883
Project: I-5 EXPANSION, 105812001
Lab ID: 083883-004

Client Sample ID: NM03-B6-11.0
Collection Date: 4/17/2006 11:42:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS7_060420A	QC Batch: 27698				PrepDate: 4/20/2006	Analyst: **MFR**
Bis(2-chloroethoxy)methane	ND	330		µg/Kg	1	4/20/2006
Bis(2-chloroethyl)ether	ND	330		µg/Kg	1	4/20/2006
Bis(2-chloroisopropyl)ether	ND	330		µg/Kg	1	4/20/2006
Bis(2-ethylhexyl)phthalate	ND	330		µg/Kg	1	4/20/2006
Butylbenzylphthalate	ND	330		µg/Kg	1	4/20/2006
Chrysene	ND	330		µg/Kg	1	4/20/2006
Di-n-butylphthalate	ND	330		µg/Kg	1	4/20/2006
Di-n-octylphthalate	ND	330		µg/Kg	1	4/20/2006
Dibenz(a,h)anthracene	ND	330		µg/Kg	1	4/20/2006
Dibenzofuran	ND	330		µg/Kg	1	4/20/2006
Diethylphthalate	ND	330		µg/Kg	1	4/20/2006
Dimethylphthalate	ND	330		µg/Kg	1	4/20/2006
Fluoranthene	ND	330		µg/Kg	1	4/20/2006
Fluorene	ND	330		µg/Kg	1	4/20/2006
Hexachlorobenzene	ND	330		µg/Kg	1	4/20/2006
Hexachlorobutadiene	ND	660		µg/Kg	1	4/20/2006
Hexachlorocyclopentadiene	ND	660		µg/Kg	1	4/20/2006
Hexachloroethane	ND	330		µg/Kg	1	4/20/2006
Indeno(1,2,3-cd)pyrene	ND	330		µg/Kg	1	4/20/2006
Isophorone	ND	330		µg/Kg	1	4/20/2006
N-Nitrosodi-n-propylamine	ND	330		µg/Kg	1	4/20/2006
N-Nitrosodiphenylamine	ND	330		µg/Kg	1	4/20/2006
Naphthalene	ND	330		µg/Kg	1	4/20/2006
Nitrobenzene	ND	330		µg/Kg	1	4/20/2006
Pentachlorophenol	ND	1600		µg/Kg	1	4/20/2006
Phenanthrene	ND	330		µg/Kg	1	4/20/2006
Phenol	ND	330		µg/Kg	1	4/20/2006
Pyrene	ND	330		µg/Kg	1	4/20/2006
Surr: 1,2-Dichlorobenzene-d4	68.4	46-105		%REC	1	4/20/2006
Surr: 2,4,6-Tribromophenol	115	46-146		%REC	1	4/20/2006
Surr: 2-Chlorophenol-d4	80.3	48-117		%REC	1	4/20/2006
Surr: 2-Fluorobiphenyl	85.2	54-112		%REC	1	4/20/2006
Surr: 2-Fluorophenol	78.5	45-119		%REC	1	4/20/2006
Surr: 4-Terphenyl-d14	72.7	46-135		%REC	1	4/20/2006
Surr: Nitrobenzene-d5	86.4	40-116		%REC	1	4/20/2006
Surr: Phenol-d5	84.9	37-127		%REC	1	4/20/2006

Qualifiers:

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DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *24-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B6-GW
Lab Order:	083883	**Collection Date:**	4/17/2006 12:45:00 PM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083883-006	**Matrix:**	GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3510C				**EPA 8015B(M)**		
RunID: GC7_060420A	QC Batch: 27670			PrepDate:	4/19/2006	Analyst: **CBR**
DRO	0.29	0.20		mg/L	1	4/19/2006
Surr: p-Terphenyl	77.4	32-125		%REC	1	4/19/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC6_060420A	QC Batch: I06VW100			PrepDate:		Analyst: **EA**
GRO	ND	0.20		mg/L	1	4/20/2006
Surr: Bromofluorobenzene (FID)	98.1	76-125		%REC	1	4/20/2006
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3510C				**EPA 8270C**		
RunID: MS6_060420A	QC Batch: 27686			PrepDate:	4/20/2006	Analyst: **MFR**
1,2,4-Trichlorobenzene	ND	10		µg/L	1	4/21/2006
1,2-Dichlorobenzene	ND	10		µg/L	1	4/21/2006
1,3-Dichlorobenzene	ND	10		µg/L	1	4/21/2006
1,4-Dichlorobenzene	ND	10		µg/L	1	4/21/2006
2,4,5-Trichlorophenol	ND	10		µg/L	1	4/21/2006
2,4,6-Trichlorophenol	ND	10		µg/L	1	4/21/2006
2,4-Dichlorophenol	ND	10		µg/L	1	4/21/2006
2,4-Dimethylphenol	ND	10		µg/L	1	4/21/2006
2,4-Dinitrophenol	ND	50		µg/L	1	4/21/2006
2,4-Dinitrotoluene	ND	10		µg/L	1	4/21/2006
2,6-Dinitrotoluene	ND	10		µg/L	1	4/21/2006
2-Chloronaphthalene	ND	10		µg/L	1	4/21/2006
2-Chlorophenol	ND	10		µg/L	1	4/21/2006
2-Methylnaphthalene	ND	10		µg/L	1	4/21/2006
2-Methylphenol	ND	10		µg/L	1	4/21/2006
2-Nitroaniline	ND	50		µg/L	1	4/21/2006
2-Nitrophenol	ND	10		µg/L	1	4/21/2006
3,3´-Dichlorobenzidine	ND	20		µg/L	1	4/21/2006
3-Nitroaniline	ND	50		µg/L	1	4/21/2006
4,6-Dinitro-2-methylphenol	ND	50		µg/L	1	4/21/2006
4-Bromophenyl-phenylether	ND	10		µg/L	1	4/21/2006
4-Chloro-3-methylphenol	ND	50		µg/L	1	4/21/2006
4-Chloroaniline	ND	20		µg/L	1	4/21/2006
4-Chlorophenyl-phenylether	ND	10		µg/L	1	4/21/2006
4-Methylphenol	ND	10		µg/L	1	4/21/2006
4-Nitroaniline	ND	20		µg/L	1	4/21/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
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Date: *24-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083883
Project: I-5 EXPANSION, 105812001
Lab ID: 083883-006

Client Sample ID: NM03-B6-GW
Collection Date: 4/17/2006 12:45:00 PM
Matrix: GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3510C				**EPA 8270C**		
RunID: MS6_060420A	QC Batch: 27686				PrepDate: 4/20/2006	Analyst: **MFR**
4-Nitrophenol	ND	50		µg/L	1	4/21/2006
Acenaphthene	ND	10		µg/L	1	4/21/2006
Acenaphthylene	ND	10		µg/L	1	4/21/2006
Anthracene	ND	10		µg/L	1	4/21/2006
Benzidine (M)	ND	50		µg/L	1	4/21/2006
Benzo(a)anthracene	ND	10		µg/L	1	4/21/2006
Benzo(a)pyrene	ND	10		µg/L	1	4/21/2006
Benzo(b)fluoranthene	ND	10		µg/L	1	4/21/2006
Benzo(g,h,i)perylene	ND	10		µg/L	1	4/21/2006
Benzo(k)fluoranthene	ND	10		µg/L	1	4/21/2006
Benzoic acid	ND	50		µg/L	1	4/21/2006
Benzyl alcohol	ND	20		µg/L	1	4/21/2006
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	4/21/2006
Bis(2-chloroethyl)ether	ND	10		µg/L	1	4/21/2006
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	4/21/2006
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	4/21/2006
Butylbenzylphthalate	ND	10		µg/L	1	4/21/2006
Chrysene	ND	10		µg/L	1	4/21/2006
Di-n-butylphthalate	ND	10		µg/L	1	4/21/2006
Di-n-octylphthalate	ND	10		µg/L	1	4/21/2006
Dibenz(a,h)anthracene	ND	10		µg/L	1	4/21/2006
Dibenzofuran	ND	10		µg/L	1	4/21/2006
Diethylphthalate	ND	10		µg/L	1	4/21/2006
Dimethylphthalate	ND	10		µg/L	1	4/21/2006
Fluoranthene	ND	10		µg/L	1	4/21/2006
Fluorene	ND	10		µg/L	1	4/21/2006
Hexachlorobenzene	ND	10		µg/L	1	4/21/2006
Hexachlorobutadiene	ND	20		µg/L	1	4/21/2006
Hexachlorocyclopentadiene	ND	10		µg/L	1	4/21/2006
Hexachloroethane	ND	10		µg/L	1	4/21/2006
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	4/21/2006
Isophorone	ND	10		µg/L	1	4/21/2006
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	4/21/2006
N-Nitrosodiphenylamine	ND	10		µg/L	1	4/21/2006
Naphthalene	ND	10		µg/L	1	4/21/2006
Nitrobenzene	ND	10		µg/L	1	4/21/2006
Pentachlorophenol	ND	50		µg/L	1	4/21/2006
Phenanthrene	ND	10		µg/L	1	4/21/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
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Date: *24-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083883
Project: I-5 EXPANSION, 105812001
Lab ID: 083883-006

Client Sample ID: NM03-B6-GW
Collection Date: 4/17/2006 12:45:00 PM
Matrix: GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3510C				**EPA 8270C**		
RunID: MS6_060420A	QC Batch: 27686				PrepDate: 4/20/2006	Analyst: **MFR**
Phenol	ND	10		µg/L	1	4/21/2006
Pyrene	ND	10		µg/L	1	4/21/2006
Surr: 1,2-Dichlorobenzene-d4	57.5	41-103		%REC	1	4/21/2006
Surr: 2,4,6-Tribromophenol	102	55-137		%REC	1	4/21/2006
Surr: 2-Chlorophenol-d4	60.4	34-117		%REC	1	4/21/2006
Surr: 2-Fluorobiphenyl	68.0	49-114		%REC	1	4/21/2006
Surr: 2-Fluorophenol	44.9	24-74		%REC	1	4/21/2006
Surr: 4-Terphenyl-d14	103	42-138		%REC	1	4/21/2006
Surr: Nitrobenzene-d5	70.3	47-115		%REC	1	4/21/2006
Surr: Phenol-d5	41.9	16-63		%REC	1	4/21/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS11_060419A	QC Batch: A06VW098				PrepDate:	Analyst: **HH**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	4/19/2006
1,1,1-Trichloroethane	ND	5.0		µg/L	1	4/19/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	4/19/2006
1,1,2-Trichloroethane	ND	5.0		µg/L	1	4/19/2006
1,1-Dichloroethane	ND	5.0		µg/L	1	4/19/2006
1,1-Dichloroethene	ND	5.0		µg/L	1	4/19/2006
1,1-Dichloropropene	ND	5.0		µg/L	1	4/19/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/L	1	4/19/2006
1,2,3-Trichloropropane	ND	5.0		µg/L	1	4/19/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	4/19/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/L	1	4/19/2006
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	4/19/2006
1,2-Dibromoethane	ND	5.0		µg/L	1	4/19/2006
1,2-Dichlorobenzene	ND	5.0		µg/L	1	4/19/2006
1,2-Dichloroethane	ND	5.0		µg/L	1	4/19/2006
1,2-Dichloropropane	ND	5.0		µg/L	1	4/19/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	4/19/2006
1,3-Dichlorobenzene	ND	5.0		µg/L	1	4/19/2006
1,3-Dichloropropane	ND	5.0		µg/L	1	4/19/2006
1,4-Dichlorobenzene	ND	5.0		µg/L	1	4/19/2006
2,2-Dichloropropane	ND	5.0		µg/L	1	4/19/2006
2-Chlorotoluene	ND	5.0		µg/L	1	4/19/2006
4-Chlorotoluene	ND	5.0		µg/L	1	4/19/2006
4-Isopropyltoluene	ND	5.0		µg/L	1	4/19/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *24-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083883
Project: I-5 EXPANSION, 105812001
Lab ID: 083883-006

Client Sample ID: NM03-B6-GW
Collection Date: 4/17/2006 12:45:00 PM
Matrix: GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS11_060419A	QC Batch: A06VW098			PrepDate:		Analyst: **HH**
Benzene	ND	5.0		µg/L	1	4/19/2006
Bromobenzene	ND	5.0		µg/L	1	4/19/2006
Bromodichloromethane	ND	5.0		µg/L	1	4/19/2006
Bromoform	ND	5.0		µg/L	1	4/19/2006
Bromomethane	ND	5.0		µg/L	1	4/19/2006
Carbon tetrachloride	ND	5.0		µg/L	1	4/19/2006
Chlorobenzene	ND	5.0		µg/L	1	4/19/2006
Chloroethane	ND	5.0		µg/L	1	4/19/2006
Chloroform	ND	5.0		µg/L	1	4/19/2006
Chloromethane	ND	5.0		µg/L	1	4/19/2006
cis-1,2-Dichloroethene	5.9	5.0		µg/L	1	4/19/2006
Dibromochloromethane	ND	5.0		µg/L	1	4/19/2006
Dibromomethane	ND	5.0		µg/L	1	4/19/2006
Dichlorodifluoromethane	ND	5.0		µg/L	1	4/19/2006
Ethylbenzene	ND	5.0		µg/L	1	4/19/2006
Hexachlorobutadiene	ND	5.0		µg/L	1	4/19/2006
Isopropylbenzene	ND	5.0		µg/L	1	4/19/2006
m,p-Xylene	ND	10		µg/L	1	4/19/2006
Methylene chloride	ND	5.0		µg/L	1	4/19/2006
n-Butylbenzene	ND	5.0		µg/L	1	4/19/2006
n-Propylbenzene	ND	5.0		µg/L	1	4/19/2006
Naphthalene	ND	5.0		µg/L	1	4/19/2006
o-Xylene	ND	5.0		µg/L	1	4/19/2006
sec-Butylbenzene	ND	5.0		µg/L	1	4/19/2006
Styrene	ND	5.0		µg/L	1	4/19/2006
tert-Butylbenzene	ND	5.0		µg/L	1	4/19/2006
Tetrachloroethene	7.7	5.0		µg/L	1	4/19/2006
Toluene	ND	5.0		µg/L	1	4/19/2006
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	4/19/2006
Trichloroethene	18	5.0		µg/L	1	4/19/2006
Trichlorofluoromethane	ND	5.0		µg/L	1	4/19/2006
Vinyl chloride	ND	5.0		µg/L	1	4/19/2006
Surr: 1,2-Dichloroethane-d4	87.3	70-126		%REC	1	4/19/2006
Surr: 4-Bromofluorobenzene	91.7	63-134		%REC	1	4/19/2006
Surr: Dibromofluoromethane	89.3	73-124		%REC	1	4/19/2006
Surr: Toluene-d8	95.3	84-123		%REC	1	4/19/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *24-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B6-Equip
Lab Order:	083883	**Collection Date:**	4/17/2006 1:10:00 PM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083883-007	**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3510C				**EPA 8015B(M)**		
RunID: GC7_060420A	QC Batch: 27670			PrepDate:	4/19/2006	Analyst: **CBR**
DRO	ND	0.20		mg/L	1	4/19/2006
Surr: p-Terphenyl	49.6	32-125		%REC	1	4/19/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC6_060420A	QC Batch: I06VW100			PrepDate:		Analyst: **EA**
GRO	ND	0.20		mg/L	1	4/20/2006
Surr: Bromofluorobenzene (FID)	98.4	76-125		%REC	1	4/20/2006
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3510C				**EPA 8270C**		
RunID: MS6_060420A	QC Batch: 27686			PrepDate:	4/20/2006	Analyst: **MFR**
1,2,4-Trichlorobenzene	ND	10		µg/L	1	4/21/2006
1,2-Dichlorobenzene	ND	10		µg/L	1	4/21/2006
1,3-Dichlorobenzene	ND	10		µg/L	1	4/21/2006
1,4-Dichlorobenzene	ND	10		µg/L	1	4/21/2006
2,4,5-Trichlorophenol	ND	10		µg/L	1	4/21/2006
2,4,6-Trichlorophenol	ND	10		µg/L	1	4/21/2006
2,4-Dichlorophenol	ND	10		µg/L	1	4/21/2006
2,4-Dimethylphenol	ND	10		µg/L	1	4/21/2006
2,4-Dinitrophenol	ND	50		µg/L	1	4/21/2006
2,4-Dinitrotoluene	ND	10		µg/L	1	4/21/2006
2,6-Dinitrotoluene	ND	10		µg/L	1	4/21/2006
2-Chloronaphthalene	ND	10		µg/L	1	4/21/2006
2-Chlorophenol	ND	10		µg/L	1	4/21/2006
2-Methylnaphthalene	ND	10		µg/L	1	4/21/2006
2-Methylphenol	ND	10		µg/L	1	4/21/2006
2-Nitroaniline	ND	50		µg/L	1	4/21/2006
2-Nitrophenol	ND	10		µg/L	1	4/21/2006
3,3´-Dichlorobenzidine	ND	20		µg/L	1	4/21/2006
3-Nitroaniline	ND	50		µg/L	1	4/21/2006
4,6-Dinitro-2-methylphenol	ND	50		µg/L	1	4/21/2006
4-Bromophenyl-phenylether	ND	10		µg/L	1	4/21/2006
4-Chloro-3-methylphenol	ND	50		µg/L	1	4/21/2006
4-Chloroaniline	ND	20		µg/L	1	4/21/2006
4-Chlorophenyl-phenylether	ND	10		µg/L	1	4/21/2006
4-Methylphenol	ND	10		µg/L	1	4/21/2006
4-Nitroaniline	ND	20		µg/L	1	4/21/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *24-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083883
Project: I-5 EXPANSION, 105812001
Lab ID: 083883-007

Client Sample ID: NM03-B6-Equip
Collection Date: 4/17/2006 1:10:00 PM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3510C				**EPA 8270C**		
RunID: MS6_060420A	QC Batch: 27686				PrepDate: 4/20/2006	Analyst: **MFR**
4-Nitrophenol	ND	50		µg/L	1	4/21/2006
Acenaphthene	ND	10		µg/L	1	4/21/2006
Acenaphthylene	ND	10		µg/L	1	4/21/2006
Anthracene	ND	10		µg/L	1	4/21/2006
Benzidine (M)	ND	50		µg/L	1	4/21/2006
Benzo(a)anthracene	ND	10		µg/L	1	4/21/2006
Benzo(a)pyrene	ND	10		µg/L	1	4/21/2006
Benzo(b)fluoranthene	ND	10		µg/L	1	4/21/2006
Benzo(g,h,i)perylene	ND	10		µg/L	1	4/21/2006
Benzo(k)fluoranthene	ND	10		µg/L	1	4/21/2006
Benzoic acid	ND	50		µg/L	1	4/21/2006
Benzyl alcohol	ND	20		µg/L	1	4/21/2006
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	4/21/2006
Bis(2-chloroethyl)ether	ND	10		µg/L	1	4/21/2006
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	4/21/2006
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	4/21/2006
Butylbenzylphthalate	ND	10		µg/L	1	4/21/2006
Chrysene	ND	10		µg/L	1	4/21/2006
Di-n-butylphthalate	ND	10		µg/L	1	4/21/2006
Di-n-octylphthalate	ND	10		µg/L	1	4/21/2006
Dibenz(a,h)anthracene	ND	10		µg/L	1	4/21/2006
Dibenzofuran	ND	10		µg/L	1	4/21/2006
Diethylphthalate	ND	10		µg/L	1	4/21/2006
Dimethylphthalate	ND	10		µg/L	1	4/21/2006
Fluoranthene	ND	10		µg/L	1	4/21/2006
Fluorene	ND	10		µg/L	1	4/21/2006
Hexachlorobenzene	ND	10		µg/L	1	4/21/2006
Hexachlorobutadiene	ND	20		µg/L	1	4/21/2006
Hexachlorocyclopentadiene	ND	10		µg/L	1	4/21/2006
Hexachloroethane	ND	10		µg/L	1	4/21/2006
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	4/21/2006
Isophorone	ND	10		µg/L	1	4/21/2006
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	4/21/2006
N-Nitrosodiphenylamine	ND	10		µg/L	1	4/21/2006
Naphthalene	ND	10		µg/L	1	4/21/2006
Nitrobenzene	ND	10		µg/L	1	4/21/2006
Pentachlorophenol	ND	50		µg/L	1	4/21/2006
Phenanthrene	ND	10		µg/L	1	4/21/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *24-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083883
Project: I-5 EXPANSION, 105812001
Lab ID: 083883-007

Client Sample ID: NM03-B6-Equip
Collection Date: 4/17/2006 1:10:00 PM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3510C				**EPA 8270C**		
RunID: MS6_060420A	QC Batch: 27686			PrepDate: 4/20/2006		Analyst: **MFR**
Phenol	ND	10		µg/L	1	4/21/2006
Pyrene	ND	10		µg/L	1	4/21/2006
Surr: 1,2-Dichlorobenzene-d4	73.3	41-103		%REC	1	4/21/2006
Surr: 2,4,6-Tribromophenol	93.4	55-137		%REC	1	4/21/2006
Surr: 2-Chlorophenol-d4	69.8	34-117		%REC	1	4/21/2006
Surr: 2-Fluorobiphenyl	79.0	49-114		%REC	1	4/21/2006
Surr: 2-Fluorophenol	42.8	24-74		%REC	1	4/21/2006
Surr: 4-Terphenyl-d14	93.1	42-138		%REC	1	4/21/2006
Surr: Nitrobenzene-d5	84.4	47-115		%REC	1	4/21/2006
Surr: Phenol-d5	28.9	16-63		%REC	1	4/21/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS11_060419A	QC Batch: A06VW098			PrepDate:		Analyst: **HH**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	4/19/2006
1,1,1-Trichloroethane	ND	5.0		µg/L	1	4/19/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	4/19/2006
1,1,2-Trichloroethane	ND	5.0		µg/L	1	4/19/2006
1,1-Dichloroethane	ND	5.0		µg/L	1	4/19/2006
1,1-Dichloroethene	ND	5.0		µg/L	1	4/19/2006
1,1-Dichloropropene	ND	5.0		µg/L	1	4/19/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/L	1	4/19/2006
1,2,3-Trichloropropane	ND	5.0		µg/L	1	4/19/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	4/19/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/L	1	4/19/2006
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	4/19/2006
1,2-Dibromoethane	ND	5.0		µg/L	1	4/19/2006
1,2-Dichlorobenzene	ND	5.0		µg/L	1	4/19/2006
1,2-Dichloroethane	ND	5.0		µg/L	1	4/19/2006
1,2-Dichloropropane	ND	5.0		µg/L	1	4/19/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	4/19/2006
1,3-Dichlorobenzene	ND	5.0		µg/L	1	4/19/2006
1,3-Dichloropropane	ND	5.0		µg/L	1	4/19/2006
1,4-Dichlorobenzene	ND	5.0		µg/L	1	4/19/2006
2,2-Dichloropropane	ND	5.0		µg/L	1	4/19/2006
2-Chlorotoluene	ND	5.0		µg/L	1	4/19/2006
4-Chlorotoluene	ND	5.0		µg/L	1	4/19/2006
4-Isopropyltoluene	ND	5.0		µg/L	1	4/19/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *24-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083883
Project: I-5 EXPANSION, 105812001
Lab ID: 083883-007

Client Sample ID: NM03-B6-Equip
Collection Date: 4/17/2006 1:10:00 PM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS11_060419A	QC Batch: A06VW098			PrepDate:		Analyst: **HH**
Benzene	ND	5.0		µg/L	1	4/19/2006
Bromobenzene	ND	5.0		µg/L	1	4/19/2006
Bromodichloromethane	ND	5.0		µg/L	1	4/19/2006
Bromoform	ND	5.0		µg/L	1	4/19/2006
Bromomethane	ND	5.0		µg/L	1	4/19/2006
Carbon tetrachloride	ND	5.0		µg/L	1	4/19/2006
Chlorobenzene	ND	5.0		µg/L	1	4/19/2006
Chloroethane	ND	5.0		µg/L	1	4/19/2006
Chloroform	ND	5.0		µg/L	1	4/19/2006
Chloromethane	ND	5.0		µg/L	1	4/19/2006
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	4/19/2006
Dibromochloromethane	ND	5.0		µg/L	1	4/19/2006
Dibromomethane	ND	5.0		µg/L	1	4/19/2006
Dichlorodifluoromethane	ND	5.0		µg/L	1	4/19/2006
Ethylbenzene	ND	5.0		µg/L	1	4/19/2006
Hexachlorobutadiene	ND	5.0		µg/L	1	4/19/2006
Isopropylbenzene	ND	5.0		µg/L	1	4/19/2006
m,p-Xylene	ND	10		µg/L	1	4/19/2006
Methylene chloride	ND	5.0		µg/L	1	4/19/2006
n-Butylbenzene	ND	5.0		µg/L	1	4/19/2006
n-Propylbenzene	ND	5.0		µg/L	1	4/19/2006
Naphthalene	ND	5.0		µg/L	1	4/19/2006
o-Xylene	ND	5.0		µg/L	1	4/19/2006
sec-Butylbenzene	ND	5.0		µg/L	1	4/19/2006
Styrene	ND	5.0		µg/L	1	4/19/2006
tert-Butylbenzene	ND	5.0		µg/L	1	4/19/2006
Tetrachloroethene	ND	5.0		µg/L	1	4/19/2006
Toluene	ND	5.0		µg/L	1	4/19/2006
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	4/19/2006
Trichloroethene	ND	5.0		µg/L	1	4/19/2006
Trichlorofluoromethane	ND	5.0		µg/L	1	4/19/2006
Vinyl chloride	ND	5.0		µg/L	1	4/19/2006
Surr: 1,2-Dichloroethane-d4	87.0	70-126		%REC	1	4/19/2006
Surr: 4-Bromofluorobenzene	121	63-134		%REC	1	4/19/2006
Surr: Dibromofluoromethane	89.4	73-124		%REC	1	4/19/2006
Surr: Toluene-d8	92.9	84-123		%REC	1	4/19/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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CLIENT: Ninyo & Moore
Work Order: 083883
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DSL H

Sample ID: **MB-27699** SampType: **MBLK** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **4/20/2006** RunNo: **62448**
Client ID: **PBS** Batch ID: **27699** TestNo: **EPA 8015B(M LUFT** Analysis Date: **4/20/2006** SeqNo: **924351**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	10									
Surr: p-Terphenyl	75		80.00		94.3	56	131				

Sample ID: **LCS-27699** SampType: **LCS** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **4/20/2006** RunNo: **62448**
Client ID: **LCSS** Batch ID: **27699** TestNo: **EPA 8015B(M LUFT** Analysis Date: **4/20/2006** SeqNo: **924352**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	950	10	1000	0	95.1	67	131				
Surr: p-Terphenyl	90		80.00		112	56	131				

Sample ID: **083837-003AMS** SampType: **MS** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **4/20/2006** RunNo: **62448**
Client ID: **ZZZZZZ** Batch ID: **27699** TestNo: **EPA 8015B(M LUFT** Analysis Date: **4/20/2006** SeqNo: **924353**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	920	10	1000	0	91.6	49	140				
Surr: p-Terphenyl	79		80.00		98.2	56	131				

Sample ID: **083837-003AMSD** SampType: **MSD** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **4/20/2006** RunNo: **62448**
Client ID: **ZZZZZZ** Batch ID: **27699** TestNo: **EPA 8015B(M LUFT** Analysis Date: **4/20/2006** SeqNo: **924354**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	910	10	1000	0	91.1	49	140	915.6	0.505	30	
Surr: p-Terphenyl	77		80.00		96.6	56	131		0	30	

Sample ID: **083883-004ADUP** SampType: **DUP** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **4/20/2006** RunNo: **62448**
Client ID: **NM03-B6-11.0** Batch ID: **27699** TestNo: **EPA 8015B(M LUFT** Analysis Date: **4/20/2006** SeqNo: **924355**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	10						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DSL H

Sample ID: **083883-004ADUP** SampType: **DUP** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **4/20/2006** RunNo: **62448**
Client ID: **NM03-B6-11.0** Batch ID: **27699** TestNo: **EPA 8015B(M LUFT** Analysis Date: **4/20/2006** SeqNo: **924355**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: p-Terphenyl	72		80.00		90.4	56	131		0	0	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interferenc	DO	Surrogate Diluted Out
	Calculations are based on raw values				

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID: **E041906MB1** SampType: **MBLK** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **62388**
Client ID: **PBS** Batch ID: **E06VS085** TestNo: **EPA 8015B(M** Analysis Date: **4/19/2006** SeqNo: **923561**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0									
Surr: Bromofluorobenzene (FID)	84		100.0		84.0	42	138				

Sample ID: **083883-002AMS** SampType: **MS** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **62388**
Client ID: **NM03-B6-1.0** Batch ID: **E06VS085** TestNo: **EPA 8015B(M** Analysis Date: **4/19/2006** SeqNo: **923565**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	3.9	1.0	5.000	0	78.3	34	140				
Surr: Bromofluorobenzene (FID)	89		100.0		88.8	42	138				

Sample ID: **083883-002AMSD** SampType: **MSD** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **62388**
Client ID: **NM03-B6-1.0** Batch ID: **E06VS085** TestNo: **EPA 8015B(M** Analysis Date: **4/19/2006** SeqNo: **923566**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.1	1.0	5.000	0	81.0	34	140	3.914	3.44	30	
Surr: Bromofluorobenzene (FID)	93		100.0		92.5	42	138		0	30	

Sample ID: **083883-002A** SampType: **DUP** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **62388**
Client ID: **NM03-B6-1.0** Batch ID: **E06VS085** TestNo: **EPA 8015B(M** Analysis Date: **4/19/2006** SeqNo: **923567**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0						0	0	30	
Surr: Bromofluorobenzene (FID)	83		100.0		83.3	42	138		0	0	

Sample ID: **E041906LCS2** SampType: **LCS** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **62388**
Client ID: **LCSS** Batch ID: **E06VS085** TestNo: **EPA 8015B(M** Analysis Date: **4/19/2006** SeqNo: **923575**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.2	1.0	5.000	0	84.6	78	122				
Surr: Bromofluorobenzene (FID)	91		100.0		90.6	42	138				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_DSL H

Sample ID: **LCS-27670** SampType: **LCS** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/19/2006** RunNo: **62405**
Client ID: **LCSW** Batch ID: **27670** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/19/2006** SeqNo: **923605**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.81	0.20	1.000	0	81.3	60	130				
Surr: p-Terphenyl	0.045		0.08000		55.8	32	125				

Sample ID: **MB-27670** SampType: **MBLK** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/19/2006** RunNo: **62405**
Client ID: **PBW** Batch ID: **27670** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/19/2006** SeqNo: **923606**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	0.20									
Surr: p-Terphenyl	0.031		0.08000		39.1	32	125				

Sample ID: **MB-27670MS** SampType: **MS** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/19/2006** RunNo: **62405**
Client ID: **ZZZZZZ** Batch ID: **27670** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/19/2006** SeqNo: **923607**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.77	0.20	1.000	0	76.9	60	130				
Surr: p-Terphenyl	0.046		0.08000		57.1	32	125				

Sample ID: **MB-27670MSD** SampType: **MSD** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/19/2006** RunNo: **62405**
Client ID: **ZZZZZZ** Batch ID: **27670** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/19/2006** SeqNo: **923608**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.78	0.20	1.000	0	77.7	60	130	0.7694	0.946	40	
Surr: p-Terphenyl	0.053		0.08000		65.9	32	125		0	0	

Sample ID: **LCS-27670** SampType: **LCS** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/19/2006** RunNo: **62405**
Client ID: **LCSW** Batch ID: **27670** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/20/2006** SeqNo: **923612**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.83	0.20	1.000	0	83.3	60	130				
Surr: p-Terphenyl	0.047		0.08000		58.2	32	125				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
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H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_DSL H

Sample ID: **MB-27670**	SampType: **MBLK**	TestCode: **8015_W_DSL**	Units: **mg/L**	Prep Date: **4/19/2006**	RunNo: **62405**							
Client ID: **PBW**	Batch ID: **27670**	TestNo: **EPA 8015B(M EPA 3510C**	Analysis Date: **4/20/2006**	SeqNo: **923613**								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
DRO	ND	0.20										
Surr: p-Terphenyl	0.032		0.08000		40.4	32	125					

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interferenc	DO	Surrogate Diluted Out
	Calculations are based on raw values				

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_G PRES

Sample ID: **I042006LCS2** SampType: **LCS** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **62396**
Client ID: **LCSW** Batch ID: **I06VW100** TestNo: **EPA 8015B(M** Analysis Date: **4/20/2006** SeqNo: **923816**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	1.0	0.20	1.000	0	105	71	122				
Surr: Bromofluorobenzene (FID)	100		100.0		104	76	125				

Sample ID: **I042006MB2MS** SampType: **MS** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **62396**
Client ID: **ZZZZZZ** Batch ID: **I06VW100** TestNo: **EPA 8015B(M** Analysis Date: **4/20/2006** SeqNo: **923817**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.86	0.20	1.000	0	85.9	71	122				
Surr: Bromofluorobenzene (FID)	110		100.0		112	76	125				

Sample ID: **I042006MB2MSD** SampType: **MSD** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **62396**
Client ID: **ZZZZZZ** Batch ID: **I06VW100** TestNo: **EPA 8015B(M** Analysis Date: **4/20/2006** SeqNo: **923818**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.83	0.20	1.000	0	83.3	71	122	0.8590	3.07	30	
Surr: Bromofluorobenzene (FID)	110		100.0		108	76	125		0	0	

Sample ID: **I042006MB2** SampType: **MBLK** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **62396**
Client ID: **PBW** Batch ID: **I06VW100** TestNo: **EPA 8015B(M** Analysis Date: **4/20/2006** SeqNo: **923819**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.20									
Surr: Bromofluorobenzene (FID)	99		100.0		99.4	76	125				

Sample ID: **083883-006B** SampType: **DUP** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **62396**
Client ID: **NM03-B6-GW** Batch ID: **I06VW100** TestNo: **EPA 8015B(M** Analysis Date: **4/20/2006** SeqNo: **924005**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.20						0.08400	0	30	
Surr: Bromofluorobenzene (FID)	97		100.0		97.3	76	125		0	0	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **R060420LCS** SampType: **LCS** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **62395**
Client ID: **LCSS** Batch ID: **R06VS081** TestNo: **EPA 8260B** Analysis Date: **4/20/2006** SeqNo: **924394**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	110	5.0	100.0	0	109	76	126				
Benzene	100	5.0	100.0	0	99.7	77	131				
Chlorobenzene	100	5.0	100.0	0	102	81	136				
Toluene	98	5.0	100.0	0	97.7	78	129				
Trichloroethene	100	5.0	100.0	0	104	78	136				
Surr: 1,2-Dichloroethane-d4	49		50.00		97.8	58	138				
Surr: 4-Bromofluorobenzene	53		50.00		105	74	130				
Surr: Dibromofluoromethane	51		50.00		102	58	135				
Surr: Toluene-d8	57		50.00		114	84	130				

Sample ID: **R060420MS** SampType: **MS** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **62395**
Client ID: **ZZZZZZ** Batch ID: **R06VS081** TestNo: **EPA 8260B** Analysis Date: **4/20/2006** SeqNo: **924395**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	110	5.0	100.0	0	108	59	146				
Benzene	98	5.0	100.0	0	97.5	68	137				
Chlorobenzene	100	5.0	100.0	0	101	64	144				
Toluene	95	5.0	100.0	0	95.3	53	150				
Trichloroethene	100	5.0	100.0	0	102	58	155				
Surr: 1,2-Dichloroethane-d4	46		50.00		91.8	58	138				
Surr: 4-Bromofluorobenzene	52		50.00		103	74	130				
Surr: Dibromofluoromethane	50		50.00		99.4	58	135				
Surr: Toluene-d8	55		50.00		109	84	130				

Sample ID: **R060420MSD** SampType: **MSD** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **62395**
Client ID: **ZZZZZZ** Batch ID: **R06VS081** TestNo: **EPA 8260B** Analysis Date: **4/20/2006** SeqNo: **924396**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	110	5.0	100.0	0	105	59	146	108.1	2.54	30	
Benzene	96	5.0	100.0	0	95.9	68	137	97.53	1.69	30	
Chlorobenzene	98	5.0	100.0	0	97.6	64	144	100.6	2.98	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **R060420MSD** SampType: **MSD** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **62395**
Client ID: **ZZZZZZ** Batch ID: **R06VS081** TestNo: **EPA 8260B** Analysis Date: **4/20/2006** SeqNo: **924396**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	95	5.0	100.0	0	94.7	53	150	95.29	0.579	30	
Trichloroethene	99	5.0	100.0	0	99.3	58	155	101.7	2.38	30	
Surr: 1,2-Dichloroethane-d4	45		50.00		90.9	58	138		0	30	
Surr: 4-Bromofluorobenzene	50		50.00		99.8	74	130		0	30	
Surr: Dibromofluoromethane	48		50.00		96.9	58	135		0	30	
Surr: Toluene-d8	54		50.00		107	84	130		0	30	

Sample ID: **R060420MB2** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **62395**
Client ID: **PBS** Batch ID: **R06VS081** TestNo: **EPA 8260B** Analysis Date: **4/20/2006** SeqNo: **924397**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **R060420MB2** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **62395**
Client ID: **PBS** Batch ID: **R06VS081** TestNo: **EPA 8260B** Analysis Date: **4/20/2006** SeqNo: **924397**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **R060420MB2** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **62395**
Client ID: **PBS** Batch ID: **R06VS081** TestNo: **EPA 8260B** Analysis Date: **4/20/2006** SeqNo: **924397**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	52		50.00		103	58	138				
Surr: 4-Bromofluorobenzene	52		50.00		103	74	130				
Surr: Dibromofluoromethane	53		50.00		105	58	135				
Surr: Toluene-d8	53		50.00		107	84	130				

Sample ID: **083883-003A** SampType: **DUP** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **62395**
Client ID: **NM03-B6-6.0** Batch ID: **R06VS081** TestNo: **EPA 8260B** Analysis Date: **4/20/2006** SeqNo: **924400**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0						0	0	30	
1,1,1-Trichloroethane	ND	5.0						0	0	30	
1,1,2,2-Tetrachloroethane	ND	5.0						0	0	30	
1,1,2-Trichloroethane	ND	5.0						0	0	30	
1,1-Dichloroethane	ND	5.0						0	0	30	
1,1-Dichloroethene	ND	5.0						0	0	30	
1,1-Dichloropropene	ND	5.0						0	0	30	
1,2,3-Trichlorobenzene	ND	5.0						0	0	30	
1,2,3-Trichloropropane	ND	5.0						0	0	30	
1,2,4-Trichlorobenzene	ND	5.0						0	0	30	
1,2,4-Trimethylbenzene	ND	5.0						0	0	30	
1,2-Dibromo-3-chloropropane	ND	10						0	0	30	
1,2-Dibromoethane	ND	5.0						0	0	30	
1,2-Dichlorobenzene	ND	5.0						0	0	30	
1,2-Dichloroethane	ND	5.0						0	0	30	
1,2-Dichloropropane	ND	5.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
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CLIENT: Ninyo & Moore
Work Order: 083883
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **083883-003A** SampType: **DUP** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **62395**
Client ID: **NM03-B6-6.0** Batch ID: **R06VS081** TestNo: **EPA 8260B** Analysis Date: **4/20/2006** SeqNo: **924400**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trimethylbenzene	ND	5.0						0	0	30	
1,3-Dichlorobenzene	ND	5.0						0	0	30	
1,3-Dichloropropane	ND	5.0						0	0	30	
1,4-Dichlorobenzene	ND	5.0						0	0	30	
2,2-Dichloropropane	ND	5.0						0	0	30	
2-Butanone	ND	50						0	0	30	
2-Chloroethyl vinyl ether	ND	5.0						0	0	30	
2-Chlorotoluene	ND	5.0						0	0	30	
2-Hexanone	ND	50						0	0	30	
4-Chlorotoluene	ND	5.0						0	0	30	
4-Isopropyltoluene	ND	5.0						0	0	30	
4-Methyl-2-pentanone	ND	50						0	0	30	
Acetone	ND	50						0	0	30	
Acrolein	ND	50						0	0	30	
Acrylonitrile	ND	50						0	0	30	
Benzene	ND	5.0						0	0	30	
Bromobenzene	ND	5.0						0	0	30	
Bromochloromethane	ND	5.0						0	0	30	
Bromodichloromethane	ND	5.0						0	0	30	
Bromoform	ND	5.0						0	0	30	
Bromomethane	ND	5.0						0	0	30	
Carbon disulfide	ND	5.0						0	0	30	
Carbon tetrachloride	ND	5.0						0	0	30	
Chlorobenzene	ND	5.0						0	0	30	
Chloroethane	ND	5.0						0	0	30	
Chloroform	ND	5.0						0	0	30	
Chloromethane	ND	5.0						0	0	30	
cis-1,2-Dichloroethene	ND	5.0						0	0	30	
cis-1,3-Dichloropropene	ND	5.0						0	0	30	
Cyclohexanone	ND	50						0	0	30	
Di-isopropyl ether	ND	5.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
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CLIENT: Ninyo & Moore
Work Order: 083883
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **083883-003A** SampType: **DUP** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **62395**
Client ID: **NM03-B6-6.0** Batch ID: **R06VS081** TestNo: **EPA 8260B** Analysis Date: **4/20/2006** SeqNo: **924400**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	ND	5.0						0	0	30	
Dibromomethane	ND	5.0						0	0	30	
Dichlorodifluoromethane	ND	5.0						0	0	30	
Ethyl Acetate	ND	50						0	0	30	
Ethyl Ether	ND	50						0	0	30	
Ethyl Tert-butyl ether	ND	5.0						0	0	30	
Ethylbenzene	ND	5.0						0	0	30	
Freon-113	ND	5.0						0	0	30	
Hexachlorobutadiene	ND	5.0						0	0	30	
Iodomethane	ND	5.0						0	0	30	
Isopropylbenzene	ND	5.0						0	0	30	
m,p-Xylene	ND	10						0	0	30	
Methylene chloride	ND	5.0						0	0	30	
MTBE	ND	5.0						0	0	30	
n-Butylbenzene	ND	5.0						0	0	30	
n-Propylbenzene	ND	5.0						0	0	30	
Naphthalene	ND	5.0						0	0	30	
o-Xylene	ND	5.0						0	0	30	
sec-Butylbenzene	ND	5.0						0	0	30	
Styrene	ND	5.0						0	0	30	
Tert-amyl methyl ether	ND	5.0						0	0	30	
Tert-Butanol	ND	100						0	0	30	
tert-Butylbenzene	ND	5.0						0	0	30	
Tetrachloroethene	ND	5.0						0	0	30	
Toluene	ND	5.0						0	0	30	
trans-1,2-Dichloroethene	ND	5.0						0	0	30	
trans-1,3-Dichloropropene	ND	5.0						0	0	30	
Trichloroethene	ND	5.0						0	0	30	
Trichlorofluoromethane	ND	5.0						0	0	30	
Vinyl acetate	ND	50						0	0	30	
Vinyl chloride	ND	5.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083883
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **083883-003A** SampType: **DUP** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **62395**
Client ID: **NM03-B6-6.0** Batch ID: **R06VS081** TestNo: **EPA 8260B** Analysis Date: **4/20/2006** SeqNo: **924400**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Xylenes, Total	ND	15						0	0	30	
Surr: 1,2-Dichloroethane-d4	52		50.00		104	58	138		0	30	
Surr: 4-Bromofluorobenzene	48		50.00		96.3	74	130		0	30	
Surr: Dibromofluoromethane	51		50.00		101	58	135		0	30	
Surr: Toluene-d8	49		50.00		98.4	84	130		0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
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ND Not Detected at the Reporting Limit
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Work Order: 083883
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **A041906LC1** SampType: **LCS** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **62363**
Client ID: **LCSW** Batch ID: **A06VW098** TestNo: **EPA 8260B** Analysis Date: **4/19/2006** SeqNo: **922939**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	23	5.0	20.00	0	113	76	132				
Benzene	21	5.0	20.00	0	103	90	123				
Chlorobenzene	21	5.0	20.00	0	104	76	118				
Toluene	20	5.0	20.00	0	99.6	91	124				
Trichloroethene	21	5.0	20.00	0	104	87	125				
Surr: 1,2-Dichloroethane-d4	45		50.00		89.7	70	126				
Surr: 4-Bromofluorobenzene	47		50.00		93.8	63	134				
Surr: Dibromofluoromethane	48		50.00		96.6	73	124				
Surr: Toluene-d8	48		50.00		95.4	84	123				

Sample ID: **A041906MB1MS** SampType: **MS** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **62363**
Client ID: **ZZZZZZ** Batch ID: **A06VW098** TestNo: **EPA 8260B** Analysis Date: **4/19/2006** SeqNo: **922940**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	22	5.0	20.00	0	112	76	132				
Benzene	21	5.0	20.00	0	106	90	123				
Chlorobenzene	21	5.0	20.00	0	106	76	118				
Toluene	20	5.0	20.00	0	102	91	124				
Trichloroethene	22	5.0	20.00	0	108	87	125				
Surr: 1,2-Dichloroethane-d4	44		50.00		88.8	70	126				
Surr: 4-Bromofluorobenzene	48		50.00		95.9	63	134				
Surr: Dibromofluoromethane	48		50.00		95.7	73	124				
Surr: Toluene-d8	49		50.00		97.2	84	123				

Sample ID: **A041906MB1MSD** SampType: **MSD** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **62363**
Client ID: **ZZZZZZ** Batch ID: **A06VW098** TestNo: **EPA 8260B** Analysis Date: **4/19/2006** SeqNo: **922941**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	22	5.0	20.00	0	112	76	132	22.33	0.714	30	
Benzene	21	5.0	20.00	0	106	90	123	21.11	0.378	30	
Chlorobenzene	21	5.0	20.00	0	107	76	118	21.13	1.60	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **A041906MB1MSD** SampType: **MSD** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **62363**
Client ID: **ZZZZZZ** Batch ID: **A06VW098** TestNo: **EPA 8260B** Analysis Date: **4/19/2006** SeqNo: **922941**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	20	5.0	20.00	0	101	91	124	20.31	0.841	30	
Trichloroethene	21	5.0	20.00	0	107	87	125	21.55	0.839	30	
Surr: 1,2-Dichloroethane-d4	44		50.00		88.3	70	126		0	30	
Surr: 4-Bromofluorobenzene	47		50.00		94.6	63	134		0	30	
Surr: Dibromofluoromethane	47		50.00		93.2	73	124		0	30	
Surr: Toluene-d8	47		50.00		94.4	84	123		0	30	

Sample ID: **A041906MB1** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **62363**
Client ID: **PBW** Batch ID: **A06VW098** TestNo: **EPA 8260B** Analysis Date: **4/19/2006** SeqNo: **922942**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	5.0									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Work Order: 083883
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **A041906MB1** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **62363**
Client ID: **PBW** Batch ID: **A06VW098** TestNo: **EPA 8260B** Analysis Date: **4/19/2006** SeqNo: **922942**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083883
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **A041906MB1** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **62363**
Client ID: **PBW** Batch ID: **A06VW098** TestNo: **EPA 8260B** Analysis Date: **4/19/2006** SeqNo: **922942**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	43		50.00		86.1	70	126				
Surr: 4-Bromofluorobenzene	45		50.00		90.6	63	134				
Surr: Dibromofluoromethane	45		50.00		90.0	73	124				
Surr: Toluene-d8	47		50.00		94.5	84	123				

Sample ID: **083883-006ADUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **62363**
Client ID: **NM03-B6-GW** Batch ID: **A06VW098** TestNo: **EPA 8260B** Analysis Date: **4/19/2006** SeqNo: **923367**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0						0	0	30	
1,1,1-Trichloroethane	ND	5.0						0	0	30	
1,1,2,2-Tetrachloroethane	ND	5.0						0	0	30	
1,1,2-Trichloroethane	ND	5.0						0	0	30	
1,1-Dichloroethane	ND	5.0						0	0	30	
1,1-Dichloroethene	ND	5.0						0	0	30	
1,1-Dichloropropene	ND	5.0						0	0	30	
1,2,3-Trichlorobenzene	ND	5.0						0	0	30	
1,2,3-Trichloropropane	ND	5.0						0	0	30	
1,2,4-Trichlorobenzene	ND	5.0						0	0	30	
1,2,4-Trimethylbenzene	ND	5.0						0	0	30	
1,2-Dibromo-3-chloropropane	ND	5.0						0	0	30	
1,2-Dibromoethane	ND	5.0						0	0	30	
1,2-Dichlorobenzene	ND	5.0						0	0	30	
1,2-Dichloroethane	ND	5.0						0	0	30	
1,2-Dichloropropane	ND	5.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083883
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **083883-006ADUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **62363**
Client ID: **NM03-B6-GW** Batch ID: **A06VW098** TestNo: **EPA 8260B** Analysis Date: **4/19/2006** SeqNo: **923367**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trimethylbenzene	ND	5.0						0	0	30	
1,3-Dichlorobenzene	ND	5.0						0	0	30	
1,3-Dichloropropane	ND	5.0						0	0	30	
1,4-Dichlorobenzene	ND	5.0						0	0	30	
2,2-Dichloropropane	ND	5.0						0	0	30	
2-Butanone	ND	50						0	0	30	
2-Chloroethyl vinyl ether	ND	5.0						0	0	30	
2-Chlorotoluene	ND	5.0						0	0	30	
2-Hexanone	ND	50						0	0	30	
4-Chlorotoluene	ND	5.0						0	0	30	
4-Isopropyltoluene	ND	5.0						0	0	30	
4-Methyl-2-pentanone	ND	50						0	0	30	
Acetone	ND	50						0	0	30	
Acrolein	ND	50						0	0	30	
Acrylonitrile	ND	50						0	0	30	
Benzene	ND	5.0						0	0	30	
Bromobenzene	ND	5.0						0	0	30	
Bromochloromethane	ND	5.0						0	0	30	
Bromodichloromethane	ND	5.0						0	0	30	
Bromoform	ND	5.0						0	0	30	
Bromomethane	ND	5.0						0	0	30	
Carbon disulfide	ND	5.0						0	0	30	
Carbon tetrachloride	ND	5.0						0	0	30	
Chlorobenzene	ND	5.0						0	0	30	
Chloroethane	ND	5.0						0	0	30	
Chloroform	ND	5.0						0	0	30	
Chloromethane	ND	5.0						0	0	30	
cis-1,2-Dichloroethene	7.0	5.0						5.890	17.5	30	
cis-1,3-Dichloropropene	ND	5.0						0	0	30	
Cyclohexanone	ND	50						0	0	30	
Di-isopropyl ether	ND	5.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083883
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **083883-006ADUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **62363**
Client ID: **NM03-B6-GW** Batch ID: **A06VW098** TestNo: **EPA 8260B** Analysis Date: **4/19/2006** SeqNo: **923367**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	ND	5.0						0	0	30	
Dibromomethane	ND	5.0						0	0	30	
Dichlorodifluoromethane	ND	5.0						0	0	30	
Ethyl Acetate	ND	50						0	0	30	
Ethyl Ether	ND	50						0	0	30	
Ethyl tert-butyl ether	ND	5.0						0	0	30	
Ethylbenzene	ND	5.0						0	0	30	
Freon-113	ND	5.0						0	0	30	
Hexachlorobutadiene	ND	5.0						0	0	30	
Iodomethane	ND	5.0						0	0	30	
Isopropylbenzene	ND	5.0						0	0	30	
m,p-Xylene	ND	10						0	0	30	
Methylene chloride	ND	5.0						0	0	30	
MTBE	5.8	5.0						5.520	4.26	30	
n-Butylbenzene	ND	5.0						0	0	30	
n-Propylbenzene	ND	5.0						0	0	30	
Naphthalene	ND	5.0						0	0	30	
o-Xylene	ND	5.0						0	0	30	
sec-Butylbenzene	ND	5.0						0	0	30	
Styrene	ND	5.0						0	0	30	
Tert-amyl methyl ether	ND	5.0						0	0	30	
Tert-Butanol	ND	100						0	0	30	
tert-Butylbenzene	ND	5.0						0	0	30	
Tetrachloroethene	10	5.0						7.670	28.5	30	
Toluene	ND	5.0						0	0	30	
trans-1,2-Dichloroethene	ND	5.0						0	0	30	
trans-1,3-Dichloropropene	ND	5.0						0	0	30	
Trichloroethene	22	5.0						18.43	18.2	30	
Trichlorofluoromethane	ND	5.0						0	0	30	
Vinyl acetate	ND	50						0	0	30	
Vinyl chloride	ND	5.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Work Order: 083883
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **083883-006ADUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **62363**
Client ID: **NM03-B6-GW** Batch ID: **A06VW098** TestNo: **EPA 8260B** Analysis Date: **4/19/2006** SeqNo: **923367**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Xylenes, Total	ND	15						0	0	30	
Surr: 1,2-Dichloroethane-d4	43		50.00		85.5	70	126		0	30	
Surr: 4-Bromofluorobenzene	47		50.00		93.3	63	134		0	30	
Surr: Dibromofluoromethane	45		50.00		90.8	73	124		0	30	
Surr: Toluene-d8	46		50.00		92.9	84	123		0	30	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interferenc	DO	Surrogate Diluted Out
	Calculations are based on raw values				

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Work Order: 083883
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-27698** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/20/2006** RunNo: **62422**
Client ID: **PBS** Batch ID: **27698** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/20/2006** SeqNo: **923856**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	330									
1,2-Dichlorobenzene	ND	330									
1,3-Dichlorobenzene	ND	330									
1,4-Dichlorobenzene	ND	330									
2,4,5-Trichlorophenol	ND	330									
2,4,6-Trichlorophenol	ND	330									
2,4-Dichlorophenol	ND	1600									
2,4-Dimethylphenol	ND	330									
2,4-Dinitrophenol	ND	1600									
2,4-Dinitrotoluene	ND	330									
2,6-Dinitrotoluene	ND	330									
2-Chloronaphthalene	ND	330									
2-Chlorophenol	ND	330									
2-Methylnaphthalene	ND	330									
2-Methylphenol	ND	330									
2-Nitroaniline	ND	1600									
2-Nitrophenol	ND	330									
3,3´-Dichlorobenzidine	ND	660									
3-Nitroaniline	ND	1600									
4,6-Dinitro-2-methylphenol	ND	1600									
4-Bromophenyl-phenylether	ND	330									
4-Chloro-3-methylphenol	ND	660									
4-Chloroaniline	ND	660									
4-Chlorophenyl-phenylether	ND	330									
4-Methylphenol	ND	330									
4-Nitroaniline	ND	1600									
4-Nitrophenol	ND	1600									
Acenaphthene	ND	330									
Acenaphthylene	ND	330									
Anthracene	ND	330									
Benzidine (M)	ND	1600									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
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ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-27698** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/20/2006** RunNo: **62422**
Client ID: **PBS** Batch ID: **27698** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/20/2006** SeqNo: **923856**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)anthracene	ND	330									
Benzo(a)pyrene	ND	330									
Benzo(b)fluoranthene	ND	330									
Benzo(g,h,i)perylene	ND	330									
Benzo(k)fluoranthene	ND	330									
Benzoic acid	ND	1600									
Benzyl alcohol	ND	660									
Bis(2-chloroethoxy)methane	ND	330									
Bis(2-chloroethyl)ether	ND	330									
Bis(2-chloroisopropyl)ether	ND	330									
Bis(2-ethylhexyl)phthalate	ND	330									
Butylbenzylphthalate	ND	330									
Chrysene	ND	330									
Di-n-butylphthalate	ND	330									
Di-n-octylphthalate	ND	330									
Dibenz(a,h)anthracene	ND	330									
Dibenzofuran	ND	330									
Diethylphthalate	ND	330									
Dimethylphthalate	ND	330									
Fluoranthene	ND	330									
Fluorene	ND	330									
Hexachlorobenzene	ND	330									
Hexachlorobutadiene	ND	660									
Hexachlorocyclopentadiene	ND	660									
Hexachloroethane	ND	330									
Indeno(1,2,3-cd)pyrene	ND	330									
Isophorone	ND	330									
N-Nitrosodi-n-propylamine	ND	330									
N-Nitrosodiphenylamine	ND	330									
Naphthalene	ND	330									
Nitrobenzene	ND	330									

Qualifiers:
E Value above quantitation range
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ND Not Detected at the Reporting Limit
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Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-27698** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/20/2006** RunNo: **62422**
Client ID: **PBS** Batch ID: **27698** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/20/2006** SeqNo: **923856**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	ND	1600									
Phenanthrene	ND	330									
Phenol	ND	330									
Pyrene	ND	330									
Surr: 1,2-Dichlorobenzene-d4	2200		3330		67.2	46	105				
Surr: 2,4,6-Tribromophenol	3200		3330		95.4	46	146				
Surr: 2-Chlorophenol-d4	2600		3330		77.6	48	117				
Surr: 2-Fluorobiphenyl	2800		3330		85.2	54	112				
Surr: 2-Fluorophenol	2500		3330		76.1	45	119				
Surr: 4-Terphenyl-d14	3100		3330		94.5	46	135				
Surr: Nitrobenzene-d5	2800		3330		84.7	40	116				
Surr: Phenol-d5	2800		3330		82.7	37	127				

Sample ID: **LCS-27698** SampType: **LCS** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/20/2006** RunNo: **62422**
Client ID: **LCSS** Batch ID: **27698** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/20/2006** SeqNo: **923857**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2900	330	3330	0	86.7	58	117				
1,4-Dichlorobenzene	2600	330	3330	0	79.2	56	100				
2,4-Dinitrotoluene	3600	330	3330	0	107	71	135				
2-Chlorophenol	2900	330	3330	0	87.2	66	107				
4-Chloro-3-methylphenol	3300	660	3330	0	99.9	74	128				
4-Nitrophenol	3600	1600	3330	0	108	54	133				
Acenaphthene	2900	330	3330	0	86.7	73	118				
N-Nitrosodi-n-propylamine	3400	330	3330	0	101	67	113				
Pentachlorophenol	3900	1600	3330	0	117	78	127				
Phenol	3100	330	3330	0	94.3	67	110				
Pyrene	2700	330	3330	0	82.5	74	127				
Surr: 1,2-Dichlorobenzene-d4	2400		3330		71.3	46	105				
Surr: 2,4,6-Tribromophenol	3200		3330		96.9	46	146				
Surr: 2-Chlorophenol-d4	2800		3330		82.9	48	117				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **LCS-27698** SampType: **LCS** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/20/2006** RunNo: **62422**
Client ID: **LCSS** Batch ID: **27698** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/20/2006** SeqNo: **923857**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorobiphenyl	3100		3330		92.7	54	112				
Surr: 2-Fluorophenol	2700		3330		82.2	45	119				
Surr: 4-Terphenyl-d14	3300		3330		98.7	46	135				
Surr: Nitrobenzene-d5	3100		3330		92.3	40	116				
Surr: Phenol-d5	2900		3330		87.4	37	127				

Sample ID: **083816-025AMS** SampType: **MS** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/20/2006** RunNo: **62422**
Client ID: **ZZZZZZ** Batch ID: **27698** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/20/2006** SeqNo: **924015**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2700	330	3330	0	82.5	45	126				
1,4-Dichlorobenzene	2500	330	3330	0	73.7	41	110				
2,4-Dinitrotoluene	3500	330	3330	0	105	57	139				
2-Chlorophenol	2700	330	3330	0	79.6	52	117				
4-Chloro-3-methylphenol	3400	660	3330	0	101	63	135				
4-Nitrophenol	3500	1600	3330	0	106	48	137				
Acenaphthene	2700	330	3330	0	82.1	59	129				
N-Nitrosodi-n-propylamine	3200	330	3330	0	94.7	41	135				
Pentachlorophenol	3700	1600	3330	0	111	55	146				
Phenol	2800	330	3330	0	85.4	51	122				
Pyrene	2500	330	3330	0	76.1	58	138				
Surr: 1,2-Dichlorobenzene-d4	2200		3330		64.9	46	105				
Surr: 2,4,6-Tribromophenol	3100		3330		93.6	46	146				
Surr: 2-Chlorophenol-d4	2500		3330		75.4	48	117				
Surr: 2-Fluorobiphenyl	2800		3330		84.2	54	112				
Surr: 2-Fluorophenol	2500		3330		74.5	45	119				
Surr: 4-Terphenyl-d14	3200		3330		96.2	46	135				
Surr: Nitrobenzene-d5	2900		3330		86.2	40	116				
Surr: Phenol-d5	2600		3330		79.1	37	127				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Work Order: 083883
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **083816-025AMSD** SampType: **MSD** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/20/2006** RunNo: **62422**
Client ID: **ZZZZZZ** Batch ID: **27698** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/20/2006** SeqNo: **924016**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2700	330	3330	0	81.5	45	126	2747	1.27	30	
1,4-Dichlorobenzene	2500	330	3330	0	74.4	41	110	2456	0.838	30	
2,4-Dinitrotoluene	3500	330	3330	0	105	57	139	3502	0.133	30	
2-Chlorophenol	2800	330	3330	0	83.1	52	117	2652	4.27	30	
4-Chloro-3-methylphenol	3300	660	3330	0	98.4	63	135	3378	3.04	30	
4-Nitrophenol	3600	1600	3330	0	108	48	137	3515	1.87	30	
Acenaphthene	2800	330	3330	0	83.2	59	129	2734	1.30	30	
N-Nitrosodi-n-propylamine	3200	330	3330	0	95.9	41	135	3152	1.26	30	
Pentachlorophenol	3700	1600	3330	0	112	55	146	3711	0.430	30	
Phenol	3000	330	3330	0	89.8	51	122	2845	4.94	30	
Pyrene	2700	330	3330	0	80.8	58	138	2534	6.05	30	
Surr: 1,2-Dichlorobenzene-d4	2200		3330		65.3	46	105		0	30	
Surr: 2,4,6-Tribromophenol	3100		3330		93.4	46	146		0	30	
Surr: 2-Chlorophenol-d4	2600		3330		77.0	48	117		0	30	
Surr: 2-Fluorobiphenyl	2800		3330		84.7	54	112		0	30	
Surr: 2-Fluorophenol	2500		3330		75.6	45	119		0	30	
Surr: 4-Terphenyl-d14	3000		3330		91.0	46	135		0	30	
Surr: Nitrobenzene-d5	2800		3330		84.9	40	116		0	30	
Surr: Phenol-d5	2700		3330		81.1	37	127		0	30	

Sample ID: **083883-003ADUP** SampType: **DUP** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/20/2006** RunNo: **62422**
Client ID: **NM03-B6-6.0** Batch ID: **27698** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/20/2006** SeqNo: **924253**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	330						0	0	30	
1,2-Dichlorobenzene	ND	330						0	0	30	
1,2-Diphenylhydrazine	ND	330						0	0	30	
1,3-Dichlorobenzene	ND	330						0	0	30	
1,4-Dichlorobenzene	ND	330						0	0	30	
1,4-Dioxane	ND	330						0	0	0	
2,4,5-Trichlorophenol	ND	330						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083883
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **083883-003ADUP** SampType: **DUP** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/20/2006** RunNo: **62422**
Client ID: **NM03-B6-6.0** Batch ID: **27698** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/20/2006** SeqNo: **924253**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,6-Trichlorophenol	ND	330						0	0	30	
2,4-Dichlorophenol	ND	1600						0	0	30	
2,4-Dimethylphenol	ND	330						0	0	30	
2,4-Dinitrophenol	ND	1600						0	0	30	
2,4-Dinitrotoluene	ND	330						0	0	30	
2,6-Dinitrotoluene	ND	330						0	0	30	
2-Chloronaphthalene	ND	330						0	0	30	
2-Chlorophenol	ND	330						0	0	30	
2-Methylnaphthalene	ND	330						0	0	30	
2-Methylphenol	ND	330						0	0	30	
2-Nitroaniline	ND	1600						0	0	30	
2-Nitrophenol	ND	330						0	0	30	
3,3´-Dichlorobenzidine	ND	660						0	0	30	
3-Nitroaniline	ND	1600						0	0	30	
4,6-Dinitro-2-methylphenol	ND	1600						0	0	30	
4-Bromophenyl-phenylether	ND	330						0	0	30	
4-Chloro-3-methylphenol	ND	660						0	0	30	
4-Chloroaniline	ND	660						0	0	30	
4-Chlorophenyl-phenylether	ND	330						0	0	30	
3/4-Methylphenol	ND	330						0	0	0	
4-Methylphenol	ND	330						0	0	30	
4-Nitroaniline	ND	1600						0	0	30	
4-Nitrophenol	ND	1600						0	0	30	
Acenaphthene	ND	330						0	0	30	
Acenaphthylene	ND	330						0	0	30	
Aniline	ND	330						0	0	30	
Anthracene	ND	330						0	0	30	
Benzidine (M)	ND	1600						0	0	30	
Benzo(a)anthracene	ND	330						0	0	30	
Benzo(a)pyrene	ND	330						0	0	30	
Benzo(b)fluoranthene	ND	330						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Work Order: 083883
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **083883-003ADUP** SampType: **DUP** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/20/2006** RunNo: **62422**
Client ID: **NM03-B6-6.0** Batch ID: **27698** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/20/2006** SeqNo: **924253**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(g,h,i)perylene	ND	330						0	0	30	
Benzo(k)fluoranthene	ND	330						0	0	30	
Benzoic acid	ND	1600						0	0	30	
Benzyl alcohol	ND	660						0	0	30	
Bis(2-chloroethoxy)methane	ND	330						0	0	30	
Bis(2-chloroethyl)ether	ND	330						0	0	30	
Bis(2-chloroisopropyl)ether	ND	330						0	0	30	
Bis(2-ethylhexyl)phthalate	ND	330						0	0	30	
Butylbenzylphthalate	ND	330						0	0	30	
Carbazole	ND	330						0	0	30	
Chrysene	ND	330						0	0	30	
Di-n-butylphthalate	ND	330						0	0	30	
Di-n-octylphthalate	ND	330						0	0	30	
Dibenz(a,h)anthracene	ND	330						0	0	30	
Dibenzofuran	ND	330						0	0	30	
Diethylphthalate	ND	330						0	0	30	
Dimethylphthalate	ND	330						0	0	30	
Fluoranthene	ND	330						0	0	30	
Fluorene	ND	330						0	0	30	
Hexachlorobenzene	ND	330						0	0	30	
Hexachlorobutadiene	ND	660						0	0	30	
Hexachlorocyclopentadiene	ND	660						0	0	30	
Hexachloroethane	ND	330						0	0	30	
Indeno(1,2,3-cd)pyrene	ND	330						0	0	30	
Isophorone	ND	330						0	0	30	
N-Nitrosodi-n-propylamine	ND	330						0	0	30	
N-Nitrosodimethylamine	ND	330						0	0	30	
N-Nitrosodiphenylamine	ND	330						0	0	30	
Naphthalene	ND	330						0	0	30	
Nitrobenzene	ND	330						0	0	30	
Pentachlorophenol	ND	1600						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
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CLIENT: Ninyo & Moore
Work Order: 083883
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **083883-003ADUP** SampType: **DUP** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/20/2006** RunNo: **62422**
Client ID: **NM03-B6-6.0** Batch ID: **27698** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/20/2006** SeqNo: **924253**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenanthrene	ND	330						0	0	30	
Phenol	ND	330						0	0	30	
Pyrene	ND	330						0	0	30	
Pyridine	ND	1600						0	0	30	
Surr: 1,2-Dichlorobenzene-d4	2300		3330		70.6	46	105		0	0	
Surr: 2,4,6-Tribromophenol	3800		3330		113	46	146		0	0	
Surr: 2-Chlorophenol-d4	2800		3330		85.4	48	117		0	0	
Surr: 2-Fluorobiphenyl	2800		3330		84.3	54	112		0	0	
Surr: 2-Fluorophenol	2800		3330		83.1	45	119		0	0	
Surr: 4-Terphenyl-d14	2600		3330		78.6	46	135		0	0	
Surr: Nitrobenzene-d5	3000		3330		89.5	40	116		0	0	
Surr: Phenol-d5	3000		3330		91.6	37	127		0	0	

Sample ID: **MB-27698** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/20/2006** RunNo: **62422**
Client ID: **PBS** Batch ID: **27698** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/21/2006** SeqNo: **924493**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	330									
1,2-Dichlorobenzene	ND	330									
1,3-Dichlorobenzene	ND	330									
1,4-Dichlorobenzene	ND	330									
2,4,5-Trichlorophenol	ND	330									
2,4,6-Trichlorophenol	ND	330									
2,4-Dichlorophenol	ND	1600									
2,4-Dimethylphenol	ND	330									
2,4-Dinitrophenol	ND	1600									
2,4-Dinitrotoluene	ND	330									
2,6-Dinitrotoluene	ND	330									
2-Chloronaphthalene	ND	330									
2-Chlorophenol	ND	330									
2-Methylnaphthalene	ND	330									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083883
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-27698** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/20/2006** RunNo: **62422**
Client ID: **PBS** Batch ID: **27698** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/21/2006** SeqNo: **924493**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylphenol	ND	330									
2-Nitroaniline	ND	1600									
2-Nitrophenol	ND	330									
3,3´-Dichlorobenzidine	ND	660									
3-Nitroaniline	ND	1600									
4,6-Dinitro-2-methylphenol	ND	1600									
4-Bromophenyl-phenylether	ND	330									
4-Chloro-3-methylphenol	ND	660									
4-Chloroaniline	ND	660									
4-Chlorophenyl-phenylether	ND	330									
4-Methylphenol	ND	330									
4-Nitroaniline	ND	1600									
4-Nitrophenol	ND	1600									
Acenaphthene	ND	330									
Acenaphthylene	ND	330									
Anthracene	ND	330									
Benzidine (M)	ND	1600									
Benzo(a)anthracene	ND	330									
Benzo(a)pyrene	ND	330									
Benzo(b)fluoranthene	ND	330									
Benzo(g,h,i)perylene	ND	330									
Benzo(k)fluoranthene	ND	330									
Benzoic acid	ND	1600									
Benzyl alcohol	ND	660									
Bis(2-chloroethoxy)methane	ND	330									
Bis(2-chloroethyl)ether	ND	330									
Bis(2-chloroisopropyl)ether	ND	330									
Bis(2-ethylhexyl)phthalate	ND	330									
Butylbenzylphthalate	ND	330									
Chrysene	ND	330									
Di-n-butylphthalate	ND	330									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
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H Holding times for preparation or analysis exceeded
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ND Not Detected at the Reporting Limit
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CLIENT: Ninyo & Moore
Work Order: 083883
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-27698** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/20/2006** RunNo: **62422**
Client ID: **PBS** Batch ID: **27698** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/21/2006** SeqNo: **924493**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Di-n-octylphthalate	ND	330									
Dibenz(a,h)anthracene	ND	330									
Dibenzofuran	ND	330									
Diethylphthalate	ND	330									
Dimethylphthalate	ND	330									
Fluoranthene	ND	330									
Fluorene	ND	330									
Hexachlorobenzene	ND	330									
Hexachlorobutadiene	ND	660									
Hexachlorocyclopentadiene	ND	660									
Hexachloroethane	ND	330									
Indeno(1,2,3-cd)pyrene	ND	330									
Isophorone	ND	330									
N-Nitrosodi-n-propylamine	ND	330									
N-Nitrosodiphenylamine	ND	330									
Naphthalene	ND	330									
Nitrobenzene	ND	330									
Pentachlorophenol	ND	1600									
Phenanthrene	ND	330									
Phenol	ND	330									
Pyrene	ND	330									
Surr: 1,2-Dichlorobenzene-d4	2200		3330		67.5	46	105				
Surr: 2,4,6-Tribromophenol	3200		3330		94.7	46	146				
Surr: 2-Chlorophenol-d4	2600		3330		77.1	48	117				
Surr: 2-Fluorobiphenyl	2900		3330		86.2	54	112				
Surr: 2-Fluorophenol	2500		3330		76.4	45	119				
Surr: 4-Terphenyl-d14	2800		3330		82.7	46	135				
Surr: Nitrobenzene-d5	2900		3330		85.6	40	116				
Surr: Phenol-d5	2700		3330		82.2	37	127				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
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H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Work Order: 083883
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **LCS-27698** SampType: **LCS** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/20/2006** RunNo: **62422**
Client ID: **LCSS** Batch ID: **27698** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/21/2006** SeqNo: **924494**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2900	330	3330	0	86.8	58	117				
1,4-Dichlorobenzene	2600	330	3330	0	78.0	56	100				
2,4-Dinitrotoluene	3800	330	3330	0	114	71	135				
2-Chlorophenol	2800	330	3330	0	84.6	66	107				
4-Chloro-3-methylphenol	3500	660	3330	0	105	74	128				
4-Nitrophenol	3900	1600	3330	0	118	54	133				
Acenaphthene	2900	330	3330	0	88.3	73	118				
N-Nitrosodi-n-propylamine	3300	330	3330	0	99.1	67	113				
Pentachlorophenol	3900	1600	3330	0	118	78	127				
Phenol	3100	330	3330	0	91.7	67	110				
Pyrene	3100	330	3330	0	93.1	74	127				
Surr: 1,2-Dichlorobenzene-d4	2300		3330		69.9	46	105				
Surr: 2,4,6-Tribromophenol	3500		3330		104	46	146				
Surr: 2-Chlorophenol-d4	2700		3330		81.1	48	117				
Surr: 2-Fluorobiphenyl	3000		3330		91.0	54	112				
Surr: 2-Fluorophenol	2700		3330		79.9	45	119				
Surr: 4-Terphenyl-d14	2900		3330		85.6	46	135				
Surr: Nitrobenzene-d5	3100		3330		93.3	40	116				
Surr: Phenol-d5	2800		3330		85.0	37	127				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **LCS-27686** SampType: **LCS** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/20/2006** RunNo: **62418**
Client ID: **LCSW** Batch ID: **27686** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/20/2006** SeqNo: **923824**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	86	10	100.0	0	86.5	60	120				
1,4-Dichlorobenzene	77	10	100.0	0	77.2	56	103				
2,4-Dinitrotoluene	110	10	100.0	0	107	71	136				
2-Chlorophenol	76	10	100.0	0	75.8	59	107				
4-Chloro-3-methylphenol	100	50	100.0	0	103	72	126				
4-Nitrophenol	ND	50	100.0	0	39.7	30	88				
Acenaphthene	82	10	100.0	0	81.6	72	119				
N-Nitrosodi-n-propylamine	100	10	100.0	0	102	65	120				
Pentachlorophenol	110	50	100.0	0	105	78	122				
Phenol	38	10	100.0	0	37.6	35	66				
Pyrene	89	10	100.0	0	88.7	73	127				
Surr: 1,2-Dichlorobenzene-d4	79		100.0		78.7	41	103				
Surr: 2,4,6-Tribromophenol	110		100.0		105	55	137				
Surr: 2-Chlorophenol-d4	75		100.0		74.6	34	117				
Surr: 2-Fluorobiphenyl	79		100.0		78.9	49	114				
Surr: 2-Fluorophenol	42		100.0		42.3	24	74				
Surr: 4-Terphenyl-d14	100		100.0		104	42	138				
Surr: Nitrobenzene-d5	89		100.0		88.8	47	115				
Surr: Phenol-d5	27		100.0		27.4	16	63				

Sample ID: **MB-27686** SampType: **MBLK** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/20/2006** RunNo: **62418**
Client ID: **PBW** Batch ID: **27686** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/20/2006** SeqNo: **923825**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	10									
1,2-Dichlorobenzene	ND	10									
1,3-Dichlorobenzene	ND	10									
1,4-Dichlorobenzene	ND	10									
2,4,5-Trichlorophenol	ND	10									
2,4,6-Trichlorophenol	ND	10									
2,4-Dichlorophenol	ND	10									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083883
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **MB-27686** SampType: **MBLK** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/20/2006** RunNo: **62418**
Client ID: **PBW** Batch ID: **27686** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/20/2006** SeqNo: **923825**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dimethylphenol	ND	10									
2,4-Dinitrophenol	ND	50									
2,4-Dinitrotoluene	ND	10									
2,6-Dinitrotoluene	ND	10									
2-Chloronaphthalene	ND	10									
2-Chlorophenol	ND	10									
2-Methylnaphthalene	ND	10									
2-Methylphenol	ND	10									
2-Nitroaniline	ND	50									
2-Nitrophenol	ND	10									
3,3´-Dichlorobenzidine	ND	20									
3-Nitroaniline	ND	50									
4,6-Dinitro-2-methylphenol	ND	50									
4-Bromophenyl-phenylether	ND	10									
4-Chloro-3-methylphenol	ND	50									
4-Chloroaniline	ND	20									
4-Chlorophenyl-phenylether	ND	10									
4-Methylphenol	ND	10									
4-Nitroaniline	ND	20									
4-Nitrophenol	ND	50									
Acenaphthene	ND	10									
Acenaphthylene	ND	10									
Anthracene	ND	10									
Benzidine (M)	ND	50									
Benzo(a)anthracene	ND	10									
Benzo(a)pyrene	ND	10									
Benzo(b)fluoranthene	ND	10									
Benzo(g,h,i)perylene	ND	10									
Benzo(k)fluoranthene	ND	10									
Benzoic acid	ND	50									
Benzyl alcohol	ND	20									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083883
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **MB-27686** SampType: **MBLK** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/20/2006** RunNo: **62418**
Client ID: **PBW** Batch ID: **27686** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/20/2006** SeqNo: **923825**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bis(2-chloroethoxy)methane	ND	10									
Bis(2-chloroethyl)ether	ND	10									
Bis(2-chloroisopropyl)ether	ND	10									
Bis(2-ethylhexyl)phthalate	ND	10									
Butylbenzylphthalate	ND	10									
Chrysene	ND	10									
Di-n-butylphthalate	ND	10									
Di-n-octylphthalate	ND	10									
Dibenz(a,h)anthracene	ND	10									
Dibenzofuran	ND	10									
Diethylphthalate	ND	10									
Dimethylphthalate	ND	10									
Fluoranthene	ND	10									
Fluorene	ND	10									
Hexachlorobenzene	ND	10									
Hexachlorobutadiene	ND	20									
Hexachlorocyclopentadiene	ND	10									
Hexachloroethane	ND	10									
Indeno(1,2,3-cd)pyrene	ND	10									
Isophorone	ND	10									
N-Nitrosodi-n-propylamine	ND	10									
N-Nitrosodiphenylamine	ND	10									
Naphthalene	ND	10									
Nitrobenzene	ND	10									
Pentachlorophenol	ND	50									
Phenanthrene	ND	10									
Phenol	ND	10									
Pyrene	ND	10									
Surr: 1,2-Dichlorobenzene-d4	81		100.0		80.5	41	103				
Surr: 2,4,6-Tribromophenol	88		100.0		88.4	55	137				
Surr: 2-Chlorophenol-d4	73		100.0		72.6	34	117				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083883
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **MB-27686** SampType: **MBLK** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/20/2006** RunNo: **62418**
Client ID: **PBW** Batch ID: **27686** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/20/2006** SeqNo: **923825**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorobiphenyl	82		100.0		82.0	49	114				
Surr: 2-Fluorophenol	42		100.0		42.0	24	74				
Surr: 4-Terphenyl-d14	110		100.0		112	42	138				
Surr: Nitrobenzene-d5	92		100.0		91.7	47	115				
Surr: Phenol-d5	25		100.0		25.1	16	63				

Sample ID: **083824-002GMS** SampType: **MS** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/20/2006** RunNo: **62418**
Client ID: **ZZZZZZ** Batch ID: **27686** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/20/2006** SeqNo: **924283**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	85	10	100.0	0	85.0	60	120				
1,4-Dichlorobenzene	76	10	100.0	0	75.6	56	103				
2,4-Dinitrotoluene	110	10	100.0	0	107	71	136				
2-Chlorophenol	78	10	100.0	0	77.8	59	107				
4-Chloro-3-methylphenol	110	50	100.0	0	106	72	126				
4-Nitrophenol	51	50	100.0	0	50.9	30	88				
Acenaphthene	84	10	100.0	0	84.4	72	119				
N-Nitrosodi-n-propylamine	100	10	100.0	0	102	65	120				
Pentachlorophenol	110	50	100.0	0	110	78	122				
Phenol	50	10	100.0	0	49.7	35	66				
Pyrene	90	10	100.0	0	89.9	73	127				
Surr: 1,2-Dichlorobenzene-d4	75		100.0		74.8	41	103				
Surr: 2,4,6-Tribromophenol	100		100.0		100	55	137				
Surr: 2-Chlorophenol-d4	75		100.0		74.6	34	117				
Surr: 2-Fluorobiphenyl	80		100.0		79.6	49	114				
Surr: 2-Fluorophenol	52		100.0		52.1	24	74				
Surr: 4-Terphenyl-d14	110		100.0		109	42	138				
Surr: Nitrobenzene-d5	86		100.0		86.2	47	115				
Surr: Phenol-d5	45		100.0		45.3	16	63				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 083883
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **083824-002GMSD** SampType: **MSD** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/20/2006** RunNo: **62418**
Client ID: **ZZZZZZ** Batch ID: **27686** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/20/2006** SeqNo: **924284**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	87	10	100.0	0	87.0	60	120	85.05	2.29	30	
1,4-Dichlorobenzene	75	10	100.0	0	74.8	56	103	75.60	1.02	30	
2,4-Dinitrotoluene	100	10	100.0	0	101	71	136	106.8	5.26	30	
2-Chlorophenol	74	10	100.0	0	74.2	59	107	77.75	4.67	30	
4-Chloro-3-methylphenol	99	50	100.0	0	99.2	72	126	106.1	6.70	30	
4-Nitrophenol	ND	50	100.0	0	45.3	30	88	50.91	0	30	
Acenaphthene	87	10	100.0	0	87.1	72	119	84.36	3.24	30	
N-Nitrosodi-n-propylamine	91	10	100.0	0	91.3	65	120	101.6	10.6	30	
Pentachlorophenol	110	50	100.0	0	108	78	122	109.8	1.26	30	
Phenol	46	10	100.0	0	45.5	35	66	49.72	8.86	30	
Pyrene	94	10	100.0	0	94.2	73	127	89.89	4.64	30	
Surr: 1,2-Dichlorobenzene-d4	73		100.0		72.9	41	103		0	30	
Surr: 2,4,6-Tribromophenol	94		100.0		94.0	55	137		0	30	
Surr: 2-Chlorophenol-d4	70		100.0		70.1	34	117		0	30	
Surr: 2-Fluorobiphenyl	83		100.0		83.5	49	114		0	30	
Surr: 2-Fluorophenol	50		100.0		49.6	24	74		0	30	
Surr: 4-Terphenyl-d14	89		100.0		89.4	42	138		0	30	
Surr: Nitrobenzene-d5	86		100.0		85.8	47	115		0	30	
Surr: Phenol-d5	42		100.0		41.8	16	63		0	30	

Sample ID: **LCS-27686** SampType: **LCS** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/20/2006** RunNo: **62418**
Client ID: **LCSW** Batch ID: **27686** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/21/2006** SeqNo: **925017**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	85	10	100.0	0	85.5	60	120				
1,4-Dichlorobenzene	75	10	100.0	0	74.7	56	103				
2,4-Dinitrotoluene	110	10	100.0	0	106	71	136				
2-Chlorophenol	75	10	100.0	0	74.8	59	107				
4-Chloro-3-methylphenol	100	50	100.0	0	104	72	126				
4-Nitrophenol	ND	50	100.0	0	48.7	30	88				
Acenaphthene	94	10	100.0	0	93.6	72	119				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 083883
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **LCS-27686** SampType: **LCS** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/20/2006** RunNo: **62418**
Client ID: **LCSW** Batch ID: **27686** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/21/2006** SeqNo: **925017**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
N-Nitrosodi-n-propylamine	96	10	100.0	0	96.4	65	120				
Pentachlorophenol	96	50	100.0	0	96.1	78	122				
Phenol	47	10	100.0	0	47.2	35	66				
Pyrene	90	10	100.0	0	90.1	73	127				
Surr: 1,2-Dichlorobenzene-d4	77		100.0		76.7	41	103				
Surr: 2,4,6-Tribromophenol	96		100.0		96.1	55	137				
Surr: 2-Chlorophenol-d4	74		100.0		74.4	34	117				
Surr: 2-Fluorobiphenyl	83		100.0		83.1	49	114				
Surr: 2-Fluorophenol	50		100.0		49.8	24	74				
Surr: 4-Terphenyl-d14	99		100.0		99.1	42	138				
Surr: Nitrobenzene-d5	87		100.0		86.8	47	115				
Surr: Phenol-d5	44		100.0		44.2	16	63				

Sample ID: **MB-27686** SampType: **MBLK** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/20/2006** RunNo: **62418**
Client ID: **PBW** Batch ID: **27686** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/21/2006** SeqNo: **925018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	10									
1,2-Dichlorobenzene	ND	10									
1,3-Dichlorobenzene	ND	10									
1,4-Dichlorobenzene	ND	10									
2,4,5-Trichlorophenol	ND	10									
2,4,6-Trichlorophenol	ND	10									
2,4-Dichlorophenol	ND	10									
2,4-Dimethylphenol	ND	10									
2,4-Dinitrophenol	ND	50									
2,4-Dinitrotoluene	ND	10									
2,6-Dinitrotoluene	ND	10									
2-Chloronaphthalene	ND	10									
2-Chlorophenol	ND	10									
2-Methylnaphthalene	ND	10									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 083883
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **MB-27686** SampType: **MBLK** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/20/2006** RunNo: **62418**
Client ID: **PBW** Batch ID: **27686** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/21/2006** SeqNo: **925018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylphenol	ND	10									
2-Nitroaniline	ND	50									
2-Nitrophenol	ND	10									
3,3´-Dichlorobenzidine	ND	20									
3-Nitroaniline	ND	50									
4,6-Dinitro-2-methylphenol	ND	50									
4-Bromophenyl-phenylether	ND	10									
4-Chloro-3-methylphenol	ND	50									
4-Chloroaniline	ND	20									
4-Chlorophenyl-phenylether	ND	10									
4-Methylphenol	ND	10									
4-Nitroaniline	ND	20									
4-Nitrophenol	ND	50									
Acenaphthene	ND	10									
Acenaphthylene	ND	10									
Anthracene	ND	10									
Benzidine (M)	ND	50									
Benzo(a)anthracene	ND	10									
Benzo(a)pyrene	ND	10									
Benzo(b)fluoranthene	ND	10									
Benzo(g,h,i)perylene	ND	10									
Benzo(k)fluoranthene	ND	10									
Benzoic acid	ND	50									
Benzyl alcohol	ND	20									
Bis(2-chloroethoxy)methane	ND	10									
Bis(2-chloroethyl)ether	ND	10									
Bis(2-chloroisopropyl)ether	ND	10									
Bis(2-ethylhexyl)phthalate	ND	10									
Butylbenzylphthalate	ND	10									
Chrysene	ND	10									
Di-n-butylphthalate	ND	10									

Qualifiers:
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Calculations are based on raw values
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Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 083883
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **MB-27686** SampType: **MBLK** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/20/2006** RunNo: **62418**
Client ID: **PBW** Batch ID: **27686** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/21/2006** SeqNo: **925018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Di-n-octylphthalate	ND	10									
Dibenz(a,h)anthracene	ND	10									
Dibenzofuran	ND	10									
Diethylphthalate	ND	10									
Dimethylphthalate	ND	10									
Fluoranthene	ND	10									
Fluorene	ND	10									
Hexachlorobenzene	ND	10									
Hexachlorobutadiene	ND	20									
Hexachlorocyclopentadiene	ND	10									
Hexachloroethane	ND	10									
Indeno(1,2,3-cd)pyrene	ND	10									
Isophorone	ND	10									
N-Nitrosodi-n-propylamine	ND	10									
N-Nitrosodiphenylamine	ND	10									
Naphthalene	ND	10									
Nitrobenzene	ND	10									
Pentachlorophenol	ND	50									
Phenanthrene	ND	10									
Phenol	ND	10									
Pyrene	ND	10									
Surr: 1,2-Dichlorobenzene-d4	84		100.0		83.6	41	103				
Surr: 2,4,6-Tribromophenol	93		100.0		92.9	55	137				
Surr: 2-Chlorophenol-d4	75		100.0		75.1	34	117				
Surr: 2-Fluorobiphenyl	85		100.0		84.8	49	114				
Surr: 2-Fluorophenol	42		100.0		41.9	24	74				
Surr: 4-Terphenyl-d14	110		100.0		109	42	138				
Surr: Nitrobenzene-d5	92		100.0		92.1	47	115				
Surr: Phenol-d5	26		100.0		26.1	16	63				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
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ND Not Detected at the Reporting Limit
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Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY RECORD

Pg 1 of

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:
Logged By: Date: 4/18/05

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other:

Sample Condition Upon Receipt: 1. CHILLED Y☑ N☐ 2. HEADSPACE (VOA) Y☐ N☑ 3. CONTAINER INTACT Y☑ N☐ 4. SEALED Y☐ N☑ 5. # OF SPLS MATCH COC Y☑ N☐ 6. PRESERVED Y☑ N☐

Client: Ninyo & Moore
Attn: Scott Snyder
Address: 5710 Ruffin Rd
City: San Diego State: CA Zip Code: 92123
TEL: (858) 576-1000
FAX: (858) 576-9600

Project Name: I-5 Expansion
Project #: 105812001
Sampler: (Printed Name) Matt Fuller (Signature)

Relinquished by: (Signature and Printed Name) Matt Fuller Date: Time: Received by: (Signature and Printed Name) Date: 4-18-06 Time: 2:00
Relinquished by: (Signature and Printed Name) Date: 4-18-06 Time: 6:15p Received by: (Signature and Printed Name) Date: 4/18/06 Time: 1815
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Matt Fuller 4-17-06
Print Name Date
Signature

Send Report To: Attn: Scott Snyder Co: Ninyo & Moore Address: 5710 Ruffin Rd City: SD State: CA Zip: 92123

Bill To: Attn: Same as Co: Address: City: State: Zip:

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C SVOCs	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	8015 TPHG/D	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Type	PRESERVATION	REMARKS
	083883-001	NM03-B6-TRIP	4-17-06	0930			X									X			E	2	V	G H	
	-002	NM03-B6-1.0		1000			X	X					X		X					2	J	G C	
	-003	NM03-B6-6.0		1103			X	X					X		X					1	T	M C	
	-004	NM03-B6-11.0		1142			X	X					X		X					1	T	M C	
	-005	NM03-B6-16.0		1220											X					1	T	M C	HOLD
	-006	NM03-B6-GW		1245			X	X					X				X			8	VL	G H C	
	-007	NM03-B6-EQWIP		1310			X	X					X			X				8	VL	G H C	

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

April 19, 2006

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 083799

RE: I-5 EXPANSION, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on April 13, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: *19-Apr-06*

CLIENT: Ninyo & Moore
Project: I-5 EXPANSION, 105812001
Lab Order: 083799
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
083799-001A	NM03-B5-1.5	Soil	4/13/2006	4/13/2006	4/19/2006
083799-002A	NM03-B5-TRIP	Water	4/13/2006	4/13/2006	4/19/2006
083799-003A	NM03-B5-6.0	Soil	4/13/2006	4/13/2006	4/19/2006
083799-004A	NM03-B5-11.0	Soil	4/13/2006	4/13/2006	4/19/2006
083799-005A	NM03-B5-16.0	Soil	4/13/2006	4/13/2006	4/19/2006
083799-008A	NM03-B5-GW	Ground Water	4/13/2006	4/13/2006	4/19/2006
083799-008B	NM03-B5-GW	Ground Water	4/13/2006	4/13/2006	4/19/2006
083799-008C	NM03-B5-GW	Ground Water	4/13/2006	4/13/2006	4/19/2006
083799-008D	NM03-B5-GW	Ground Water	4/13/2006	4/13/2006	4/19/2006
083799-009A	NM03-B5-Equip	Water	4/13/2006	4/13/2006	4/19/2006
083799-009B	NM03-B5-Equip	Water	4/13/2006	4/13/2006	4/19/2006
083799-009C	NM03-B5-Equip	Water	4/13/2006	4/13/2006	4/19/2006
083799-009D	NM03-B5-Equip	Water	4/13/2006	4/13/2006	4/19/2006

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CASE NARRATIVE

Analytical Comments for EPA 6010B

RPD for Sample Duplicate (DUP) is outside criteria for sample 083799-001ADUP; however, the Laboratory Control Sample (LCS) validated the analytical batch.

Analytical Comments for EPA 8015B (M)

Samples 083799-004ADUP and 083765-004AMSD surrogate was outside criteria; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *19-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B5-1.5
Lab Order:	083799	**Collection Date:**	4/13/2006 9:00:00 AM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083799-001	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
LEAD BY ICP						
	EPA 3050M			**EPA 6010B**		
RunID: ICP5_060417I	QC Batch: 27622				PrepDate: 4/17/2006	Analyst: **RQ**
Lead	3.2	1.0		mg/Kg	1	4/17/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *19-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083799
Project: I-5 EXPANSION, 105812001
Lab ID: 083799-002

Client Sample ID: NM03-B5-TRIP
Collection Date: 4/13/2006 9:10:00 AM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS11_060417A	QC Batch: A06VW097				PrepDate:	Analyst: **HH**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	4/17/2006
1,1,1-Trichloroethane	ND	5.0		µg/L	1	4/17/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	4/17/2006
1,1,2-Trichloroethane	ND	5.0		µg/L	1	4/17/2006
1,1-Dichloroethane	ND	5.0		µg/L	1	4/17/2006
1,1-Dichloroethene	ND	5.0		µg/L	1	4/17/2006
1,1-Dichloropropene	ND	5.0		µg/L	1	4/17/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/L	1	4/17/2006
1,2,3-Trichloropropane	ND	5.0		µg/L	1	4/17/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	4/17/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/L	1	4/17/2006
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	4/17/2006
1,2-Dibromoethane	ND	5.0		µg/L	1	4/17/2006
1,2-Dichlorobenzene	ND	5.0		µg/L	1	4/17/2006
1,2-Dichloroethane	ND	5.0		µg/L	1	4/17/2006
1,2-Dichloropropane	ND	5.0		µg/L	1	4/17/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	4/17/2006
1,3-Dichlorobenzene	ND	5.0		µg/L	1	4/17/2006
1,3-Dichloropropane	ND	5.0		µg/L	1	4/17/2006
1,4-Dichlorobenzene	ND	5.0		µg/L	1	4/17/2006
2,2-Dichloropropane	ND	5.0		µg/L	1	4/17/2006
2-Chlorotoluene	ND	5.0		µg/L	1	4/17/2006
4-Chlorotoluene	ND	5.0		µg/L	1	4/17/2006
4-Isopropyltoluene	ND	5.0		µg/L	1	4/17/2006
Benzene	ND	5.0		µg/L	1	4/17/2006
Bromobenzene	ND	5.0		µg/L	1	4/17/2006
Bromodichloromethane	ND	5.0		µg/L	1	4/17/2006
Bromoform	ND	5.0		µg/L	1	4/17/2006
Bromomethane	ND	5.0		µg/L	1	4/17/2006
Carbon tetrachloride	ND	5.0		µg/L	1	4/17/2006
Chlorobenzene	ND	5.0		µg/L	1	4/17/2006
Chloroethane	ND	5.0		µg/L	1	4/17/2006
Chloroform	ND	5.0		µg/L	1	4/17/2006
Chloromethane	ND	5.0		µg/L	1	4/17/2006
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	4/17/2006
Dibromochloromethane	ND	5.0		µg/L	1	4/17/2006
Dibromomethane	ND	5.0		µg/L	1	4/17/2006
Dichlorodifluoromethane	ND	5.0		µg/L	1	4/17/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *19-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B5-TRIP
Lab Order:	083799	**Collection Date:**	4/13/2006 9:10:00 AM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083799-002	**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS11_060417A	QC Batch: A06VW097			PrepDate:		Analyst: **HH**
Ethylbenzene	ND	5.0		µg/L	1	4/17/2006
Hexachlorobutadiene	ND	5.0		µg/L	1	4/17/2006
Isopropylbenzene	ND	5.0		µg/L	1	4/17/2006
m,p-Xylene	ND	10		µg/L	1	4/17/2006
Methylene chloride	ND	5.0		µg/L	1	4/17/2006
n-Butylbenzene	ND	5.0		µg/L	1	4/17/2006
n-Propylbenzene	ND	5.0		µg/L	1	4/17/2006
Naphthalene	ND	5.0		µg/L	1	4/17/2006
o-Xylene	ND	5.0		µg/L	1	4/17/2006
sec-Butylbenzene	ND	5.0		µg/L	1	4/17/2006
Styrene	ND	5.0		µg/L	1	4/17/2006
tert-Butylbenzene	ND	5.0		µg/L	1	4/17/2006
Tetrachloroethene	ND	5.0		µg/L	1	4/17/2006
Toluene	ND	5.0		µg/L	1	4/17/2006
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	4/17/2006
Trichloroethene	ND	5.0		µg/L	1	4/17/2006
Trichlorofluoromethane	ND	5.0		µg/L	1	4/17/2006
Vinyl chloride	ND	5.0		µg/L	1	4/17/2006
Surr: 1,2-Dichloroethane-d4	87.5	70-126		%REC	1	4/17/2006
Surr: 4-Bromofluorobenzene	99.2	63-134		%REC	1	4/17/2006
Surr: Dibromofluoromethane	87.6	73-124		%REC	1	4/17/2006
Surr: Toluene-d8	92.8	84-123		%REC	1	4/17/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: *19-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B5-6.0
Lab Order:	083799	**Collection Date:**	4/13/2006 9:11:00 AM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083799-003	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
LUFT				**EPA 8015B(M)**		
RunID: GC7_BACK_060417A	QC Batch: 27637			PrepDate: 4/17/2006		Analyst: **CBR**
DRO	ND	10		mg/Kg	1	4/17/2006
Surr: p-Terphenyl	79.0	56-131		%REC	1	4/17/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_060414A	QC Batch: E06VS082			PrepDate:		Analyst: **TT**
GRO	ND	1.0		mg/Kg	1	4/14/2006
Surr: Bromofluorobenzene (FID)	83.0	42-138		%REC	1	4/14/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS1_060415A	QC Batch: P06VS070			PrepDate:		Analyst: **RK**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1	4/15/2006
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	4/15/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	4/15/2006
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	4/15/2006
1,1-Dichloroethane	ND	5.0		µg/Kg	1	4/15/2006
1,1-Dichloroethene	ND	5.0		µg/Kg	1	4/15/2006
1,1-Dichloropropene	ND	5.0		µg/Kg	1	4/15/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1	4/15/2006
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1	4/15/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1	4/15/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1	4/15/2006
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1	4/15/2006
1,2-Dibromoethane	ND	5.0		µg/Kg	1	4/15/2006
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1	4/15/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	4/15/2006
1,2-Dichloropropane	ND	5.0		µg/Kg	1	4/15/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1	4/15/2006
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1	4/15/2006
1,3-Dichloropropane	ND	5.0		µg/Kg	1	4/15/2006
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1	4/15/2006
2,2-Dichloropropane	ND	5.0		µg/Kg	1	4/15/2006
2-Chlorotoluene	ND	5.0		µg/Kg	1	4/15/2006
4-Chlorotoluene	ND	5.0		µg/Kg	1	4/15/2006
4-Isopropyltoluene	ND	5.0		µg/Kg	1	4/15/2006
Benzene	ND	5.0		µg/Kg	1	4/15/2006
Bromobenzene	ND	5.0		µg/Kg	1	4/15/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *19-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083799
Project: I-5 EXPANSION, 105812001
Lab ID: 083799-003

Client Sample ID: NM03-B5-6.0
Collection Date: 4/13/2006 9:11:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS1_060415A	QC Batch: P06VS070			PrepDate:		Analyst: **RK**
Bromodichloromethane	ND	5.0		µg/Kg	1	4/15/2006
Bromoform	ND	5.0		µg/Kg	1	4/15/2006
Bromomethane	ND	5.0		µg/Kg	1	4/15/2006
Carbon tetrachloride	ND	5.0		µg/Kg	1	4/15/2006
Chlorobenzene	ND	5.0		µg/Kg	1	4/15/2006
Chloroethane	ND	5.0		µg/Kg	1	4/15/2006
Chloroform	ND	5.0		µg/Kg	1	4/15/2006
Chloromethane	ND	5.0		µg/Kg	1	4/15/2006
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	4/15/2006
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	4/15/2006
Dibromochloromethane	ND	5.0		µg/Kg	1	4/15/2006
Dibromomethane	ND	5.0		µg/Kg	1	4/15/2006
Dichlorodifluoromethane	ND	5.0		µg/Kg	1	4/15/2006
Ethylbenzene	ND	5.0		µg/Kg	1	4/15/2006
Hexachlorobutadiene	ND	5.0		µg/Kg	1	4/15/2006
Isopropylbenzene	ND	5.0		µg/Kg	1	4/15/2006
m,p-Xylene	ND	10		µg/Kg	1	4/15/2006
Methylene chloride	ND	5.0		µg/Kg	1	4/15/2006
n-Butylbenzene	ND	5.0		µg/Kg	1	4/15/2006
n-Propylbenzene	ND	5.0		µg/Kg	1	4/15/2006
Naphthalene	ND	5.0		µg/Kg	1	4/15/2006
o-Xylene	ND	5.0		µg/Kg	1	4/15/2006
sec-Butylbenzene	ND	5.0		µg/Kg	1	4/15/2006
Styrene	ND	5.0		µg/Kg	1	4/15/2006
tert-Butylbenzene	ND	5.0		µg/Kg	1	4/15/2006
Tetrachloroethene	ND	5.0		µg/Kg	1	4/15/2006
Toluene	ND	5.0		µg/Kg	1	4/15/2006
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	4/15/2006
Trichloroethene	ND	5.0		µg/Kg	1	4/15/2006
Trichlorofluoromethane	ND	5.0		µg/Kg	1	4/15/2006
Vinyl chloride	ND	5.0		µg/Kg	1	4/15/2006
Surr: 1,2-Dichloroethane-d4	88.5	58-138		%REC	1	4/15/2006
Surr: 4-Bromofluorobenzene	103	74-130		%REC	1	4/15/2006
Surr: Dibromofluoromethane	93.1	58-135		%REC	1	4/15/2006
Surr: Toluene-d8	102	84-130		%REC	1	4/15/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *19-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083799
Project: I-5 EXPANSION, 105812001
Lab ID: 083799-003

Client Sample ID: NM03-B5-6.0
Collection Date: 4/13/2006 9:11:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS7_060418A	QC Batch: 27655				PrepDate: 4/18/2006	Analyst: **MFR**
1,2,4-Trichlorobenzene	ND	330		µg/Kg	1	4/18/2006
1,2-Dichlorobenzene	ND	330		µg/Kg	1	4/18/2006
1,3-Dichlorobenzene	ND	330		µg/Kg	1	4/18/2006
1,4-Dichlorobenzene	ND	330		µg/Kg	1	4/18/2006
2,4,5-Trichlorophenol	ND	330		µg/Kg	1	4/18/2006
2,4,6-Trichlorophenol	ND	330		µg/Kg	1	4/18/2006
2,4-Dichlorophenol	ND	1600		µg/Kg	1	4/18/2006
2,4-Dimethylphenol	ND	330		µg/Kg	1	4/18/2006
2,4-Dinitrophenol	ND	1600		µg/Kg	1	4/18/2006
2,4-Dinitrotoluene	ND	330		µg/Kg	1	4/18/2006
2,6-Dinitrotoluene	ND	330		µg/Kg	1	4/18/2006
2-Chloronaphthalene	ND	330		µg/Kg	1	4/18/2006
2-Chlorophenol	ND	330		µg/Kg	1	4/18/2006
2-Methylnaphthalene	ND	330		µg/Kg	1	4/18/2006
2-Methylphenol	ND	330		µg/Kg	1	4/18/2006
2-Nitroaniline	ND	1600		µg/Kg	1	4/18/2006
2-Nitrophenol	ND	330		µg/Kg	1	4/18/2006
3,3´-Dichlorobenzidine	ND	660		µg/Kg	1	4/18/2006
3-Nitroaniline	ND	1600		µg/Kg	1	4/18/2006
4,6-Dinitro-2-methylphenol	ND	1600		µg/Kg	1	4/18/2006
4-Bromophenyl-phenylether	ND	330		µg/Kg	1	4/18/2006
4-Chloro-3-methylphenol	ND	660		µg/Kg	1	4/18/2006
4-Chloroaniline	ND	660		µg/Kg	1	4/18/2006
4-Chlorophenyl-phenylether	ND	330		µg/Kg	1	4/18/2006
4-Methylphenol	ND	330		µg/Kg	1	4/18/2006
4-Nitroaniline	ND	1600		µg/Kg	1	4/18/2006
4-Nitrophenol	ND	1600		µg/Kg	1	4/18/2006
Acenaphthene	ND	330		µg/Kg	1	4/18/2006
Acenaphthylene	ND	330		µg/Kg	1	4/18/2006
Anthracene	ND	330		µg/Kg	1	4/18/2006
Benzidine (M)	ND	1600		µg/Kg	1	4/18/2006
Benzo(a)anthracene	ND	330		µg/Kg	1	4/18/2006
Benzo(a)pyrene	ND	330		µg/Kg	1	4/18/2006
Benzo(b)fluoranthene	ND	330		µg/Kg	1	4/18/2006
Benzo(g,h,i)perylene	ND	330		µg/Kg	1	4/18/2006
Benzo(k)fluoranthene	ND	330		µg/Kg	1	4/18/2006
Benzoic acid	ND	1600		µg/Kg	1	4/18/2006
Benzyl alcohol	ND	660		µg/Kg	1	4/18/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *19-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083799
Project: I-5 EXPANSION, 105812001
Lab ID: 083799-003

Client Sample ID: NM03-B5-6.0
Collection Date: 4/13/2006 9:11:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS7_060418A	QC Batch: 27655			PrepDate:	4/18/2006	Analyst: **MFR**
Bis(2-chloroethoxy)methane	ND	330		µg/Kg	1	4/18/2006
Bis(2-chloroethyl)ether	ND	330		µg/Kg	1	4/18/2006
Bis(2-chloroisopropyl)ether	ND	330		µg/Kg	1	4/18/2006
Bis(2-ethylhexyl)phthalate	ND	330		µg/Kg	1	4/18/2006
Butylbenzylphthalate	ND	330		µg/Kg	1	4/18/2006
Chrysene	ND	330		µg/Kg	1	4/18/2006
Di-n-butylphthalate	ND	330		µg/Kg	1	4/18/2006
Di-n-octylphthalate	ND	330		µg/Kg	1	4/18/2006
Dibenz(a,h)anthracene	ND	330		µg/Kg	1	4/18/2006
Dibenzofuran	ND	330		µg/Kg	1	4/18/2006
Diethylphthalate	ND	330		µg/Kg	1	4/18/2006
Dimethylphthalate	ND	330		µg/Kg	1	4/18/2006
Fluoranthene	ND	330		µg/Kg	1	4/18/2006
Fluorene	ND	330		µg/Kg	1	4/18/2006
Hexachlorobenzene	ND	330		µg/Kg	1	4/18/2006
Hexachlorobutadiene	ND	660		µg/Kg	1	4/18/2006
Hexachlorocyclopentadiene	ND	660		µg/Kg	1	4/18/2006
Hexachloroethane	ND	330		µg/Kg	1	4/18/2006
Indeno(1,2,3-cd)pyrene	ND	330		µg/Kg	1	4/18/2006
Isophorone	ND	330		µg/Kg	1	4/18/2006
N-Nitrosodi-n-propylamine	ND	330		µg/Kg	1	4/18/2006
N-Nitrosodiphenylamine	ND	330		µg/Kg	1	4/18/2006
Naphthalene	ND	330		µg/Kg	1	4/18/2006
Nitrobenzene	ND	330		µg/Kg	1	4/18/2006
Pentachlorophenol	ND	1600		µg/Kg	1	4/18/2006
Phenanthrene	ND	330		µg/Kg	1	4/18/2006
Phenol	ND	330		µg/Kg	1	4/18/2006
Pyrene	ND	330		µg/Kg	1	4/18/2006
Surr: 1,2-Dichlorobenzene-d4	72.0	46-105		%REC	1	4/18/2006
Surr: 2,4,6-Tribromophenol	98.6	46-146		%REC	1	4/18/2006
Surr: 2-Chlorophenol-d4	80.9	48-117		%REC	1	4/18/2006
Surr: 2-Fluorobiphenyl	90.2	54-112		%REC	1	4/18/2006
Surr: 2-Fluorophenol	79.4	45-119		%REC	1	4/18/2006
Surr: 4-Terphenyl-d14	93.9	46-135		%REC	1	4/18/2006
Surr: Nitrobenzene-d5	91.5	40-116		%REC	1	4/18/2006
Surr: Phenol-d5	85.8	37-127		%REC	1	4/18/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Date: *19-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B5-11.0
Lab Order:	083799	**Collection Date:**	4/13/2006 9:25:00 AM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083799-004	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
LUFT				**EPA 8015B(M)**		
RunID: GC7_BACK_060417A	QC Batch: 27637			PrepDate: 4/17/2006		Analyst: **CBR**
DRO	ND	10		mg/Kg	1	4/17/2006
Surr: p-Terphenyl	79.3	56-131		%REC	1	4/17/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_060414A	QC Batch: E06VS082			PrepDate:		Analyst: **TT**
GRO	ND	1.0		mg/Kg	1	4/14/2006
Surr: Bromofluorobenzene (FID)	84.2	42-138		%REC	1	4/14/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS1_060415A	QC Batch: P06VS070			PrepDate:		Analyst: **RK**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1	4/15/2006
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	4/15/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	4/15/2006
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	4/15/2006
1,1-Dichloroethane	ND	5.0		µg/Kg	1	4/15/2006
1,1-Dichloroethene	ND	5.0		µg/Kg	1	4/15/2006
1,1-Dichloropropene	ND	5.0		µg/Kg	1	4/15/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1	4/15/2006
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1	4/15/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1	4/15/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1	4/15/2006
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1	4/15/2006
1,2-Dibromoethane	ND	5.0		µg/Kg	1	4/15/2006
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1	4/15/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	4/15/2006
1,2-Dichloropropane	ND	5.0		µg/Kg	1	4/15/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1	4/15/2006
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1	4/15/2006
1,3-Dichloropropane	ND	5.0		µg/Kg	1	4/15/2006
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1	4/15/2006
2,2-Dichloropropane	ND	5.0		µg/Kg	1	4/15/2006
2-Chlorotoluene	ND	5.0		µg/Kg	1	4/15/2006
4-Chlorotoluene	ND	5.0		µg/Kg	1	4/15/2006
4-Isopropyltoluene	ND	5.0		µg/Kg	1	4/15/2006
Benzene	ND	5.0		µg/Kg	1	4/15/2006
Bromobenzene	ND	5.0		µg/Kg	1	4/15/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *19-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083799
Project: I-5 EXPANSION, 105812001
Lab ID: 083799-004

Client Sample ID: NM03-B5-11.0
Collection Date: 4/13/2006 9:25:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS1_060415A	QC Batch: P06VS070			PrepDate:		Analyst: **RK**
Bromodichloromethane	ND	5.0		µg/Kg	1	4/15/2006
Bromoform	ND	5.0		µg/Kg	1	4/15/2006
Bromomethane	ND	5.0		µg/Kg	1	4/15/2006
Carbon tetrachloride	ND	5.0		µg/Kg	1	4/15/2006
Chlorobenzene	ND	5.0		µg/Kg	1	4/15/2006
Chloroethane	ND	5.0		µg/Kg	1	4/15/2006
Chloroform	ND	5.0		µg/Kg	1	4/15/2006
Chloromethane	ND	5.0		µg/Kg	1	4/15/2006
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	4/15/2006
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	4/15/2006
Dibromochloromethane	ND	5.0		µg/Kg	1	4/15/2006
Dibromomethane	ND	5.0		µg/Kg	1	4/15/2006
Dichlorodifluoromethane	ND	5.0		µg/Kg	1	4/15/2006
Ethylbenzene	ND	5.0		µg/Kg	1	4/15/2006
Hexachlorobutadiene	ND	5.0		µg/Kg	1	4/15/2006
Isopropylbenzene	ND	5.0		µg/Kg	1	4/15/2006
m,p-Xylene	ND	10		µg/Kg	1	4/15/2006
Methylene chloride	ND	5.0		µg/Kg	1	4/15/2006
n-Butylbenzene	ND	5.0		µg/Kg	1	4/15/2006
n-Propylbenzene	ND	5.0		µg/Kg	1	4/15/2006
Naphthalene	ND	5.0		µg/Kg	1	4/15/2006
o-Xylene	ND	5.0		µg/Kg	1	4/15/2006
sec-Butylbenzene	ND	5.0		µg/Kg	1	4/15/2006
Styrene	ND	5.0		µg/Kg	1	4/15/2006
tert-Butylbenzene	ND	5.0		µg/Kg	1	4/15/2006
Tetrachloroethene	ND	5.0		µg/Kg	1	4/15/2006
Toluene	ND	5.0		µg/Kg	1	4/15/2006
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	4/15/2006
Trichloroethene	ND	5.0		µg/Kg	1	4/15/2006
Trichlorofluoromethane	ND	5.0		µg/Kg	1	4/15/2006
Vinyl chloride	ND	5.0		µg/Kg	1	4/15/2006
Surr: 1,2-Dichloroethane-d4	92.7	58-138		%REC	1	4/15/2006
Surr: 4-Bromofluorobenzene	104	74-130		%REC	1	4/15/2006
Surr: Dibromofluoromethane	96.9	58-135		%REC	1	4/15/2006
Surr: Toluene-d8	104	84-130		%REC	1	4/15/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *19-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083799
Project: I-5 EXPANSION, 105812001
Lab ID: 083799-004

Client Sample ID: NM03-B5-11.0
Collection Date: 4/13/2006 9:25:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS7_060418A	QC Batch: 27655				PrepDate: 4/18/2006	Analyst: **MFR**
1,2,4-Trichlorobenzene	ND	330		µg/Kg	1	4/18/2006
1,2-Dichlorobenzene	ND	330		µg/Kg	1	4/18/2006
1,3-Dichlorobenzene	ND	330		µg/Kg	1	4/18/2006
1,4-Dichlorobenzene	ND	330		µg/Kg	1	4/18/2006
2,4,5-Trichlorophenol	ND	330		µg/Kg	1	4/18/2006
2,4,6-Trichlorophenol	ND	330		µg/Kg	1	4/18/2006
2,4-Dichlorophenol	ND	1600		µg/Kg	1	4/18/2006
2,4-Dimethylphenol	ND	330		µg/Kg	1	4/18/2006
2,4-Dinitrophenol	ND	1600		µg/Kg	1	4/18/2006
2,4-Dinitrotoluene	ND	330		µg/Kg	1	4/18/2006
2,6-Dinitrotoluene	ND	330		µg/Kg	1	4/18/2006
2-Chloronaphthalene	ND	330		µg/Kg	1	4/18/2006
2-Chlorophenol	ND	330		µg/Kg	1	4/18/2006
2-Methylnaphthalene	ND	330		µg/Kg	1	4/18/2006
2-Methylphenol	ND	330		µg/Kg	1	4/18/2006
2-Nitroaniline	ND	1600		µg/Kg	1	4/18/2006
2-Nitrophenol	ND	330		µg/Kg	1	4/18/2006
3,3´-Dichlorobenzidine	ND	660		µg/Kg	1	4/18/2006
3-Nitroaniline	ND	1600		µg/Kg	1	4/18/2006
4,6-Dinitro-2-methylphenol	ND	1600		µg/Kg	1	4/18/2006
4-Bromophenyl-phenylether	ND	330		µg/Kg	1	4/18/2006
4-Chloro-3-methylphenol	ND	660		µg/Kg	1	4/18/2006
4-Chloroaniline	ND	660		µg/Kg	1	4/18/2006
4-Chlorophenyl-phenylether	ND	330		µg/Kg	1	4/18/2006
4-Methylphenol	ND	330		µg/Kg	1	4/18/2006
4-Nitroaniline	ND	1600		µg/Kg	1	4/18/2006
4-Nitrophenol	ND	1600		µg/Kg	1	4/18/2006
Acenaphthene	ND	330		µg/Kg	1	4/18/2006
Acenaphthylene	ND	330		µg/Kg	1	4/18/2006
Anthracene	ND	330		µg/Kg	1	4/18/2006
Benzidine (M)	ND	1600		µg/Kg	1	4/18/2006
Benzo(a)anthracene	ND	330		µg/Kg	1	4/18/2006
Benzo(a)pyrene	ND	330		µg/Kg	1	4/18/2006
Benzo(b)fluoranthene	ND	330		µg/Kg	1	4/18/2006
Benzo(g,h,i)perylene	ND	330		µg/Kg	1	4/18/2006
Benzo(k)fluoranthene	ND	330		µg/Kg	1	4/18/2006
Benzoic acid	ND	1600		µg/Kg	1	4/18/2006
Benzyl alcohol	ND	660		µg/Kg	1	4/18/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *19-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083799
Project: I-5 EXPANSION, 105812001
Lab ID: 083799-004

Client Sample ID: NM03-B5-11.0
Collection Date: 4/13/2006 9:25:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS7_060418A	QC Batch: 27655			PrepDate:	4/18/2006	Analyst: **MFR**
Bis(2-chloroethoxy)methane	ND	330		µg/Kg	1	4/18/2006
Bis(2-chloroethyl)ether	ND	330		µg/Kg	1	4/18/2006
Bis(2-chloroisopropyl)ether	ND	330		µg/Kg	1	4/18/2006
Bis(2-ethylhexyl)phthalate	ND	330		µg/Kg	1	4/18/2006
Butylbenzylphthalate	ND	330		µg/Kg	1	4/18/2006
Chrysene	ND	330		µg/Kg	1	4/18/2006
Di-n-butylphthalate	ND	330		µg/Kg	1	4/18/2006
Di-n-octylphthalate	ND	330		µg/Kg	1	4/18/2006
Dibenz(a,h)anthracene	ND	330		µg/Kg	1	4/18/2006
Dibenzofuran	ND	330		µg/Kg	1	4/18/2006
Diethylphthalate	ND	330		µg/Kg	1	4/18/2006
Dimethylphthalate	ND	330		µg/Kg	1	4/18/2006
Fluoranthene	ND	330		µg/Kg	1	4/18/2006
Fluorene	ND	330		µg/Kg	1	4/18/2006
Hexachlorobenzene	ND	330		µg/Kg	1	4/18/2006
Hexachlorobutadiene	ND	660		µg/Kg	1	4/18/2006
Hexachlorocyclopentadiene	ND	660		µg/Kg	1	4/18/2006
Hexachloroethane	ND	330		µg/Kg	1	4/18/2006
Indeno(1,2,3-cd)pyrene	ND	330		µg/Kg	1	4/18/2006
Isophorone	ND	330		µg/Kg	1	4/18/2006
N-Nitrosodi-n-propylamine	ND	330		µg/Kg	1	4/18/2006
N-Nitrosodiphenylamine	ND	330		µg/Kg	1	4/18/2006
Naphthalene	ND	330		µg/Kg	1	4/18/2006
Nitrobenzene	ND	330		µg/Kg	1	4/18/2006
Pentachlorophenol	ND	1600		µg/Kg	1	4/18/2006
Phenanthrene	ND	330		µg/Kg	1	4/18/2006
Phenol	ND	330		µg/Kg	1	4/18/2006
Pyrene	ND	330		µg/Kg	1	4/18/2006
Surr: 1,2-Dichlorobenzene-d4	73.2	46-105		%REC	1	4/18/2006
Surr: 2,4,6-Tribromophenol	101	46-146		%REC	1	4/18/2006
Surr: 2-Chlorophenol-d4	82.7	48-117		%REC	1	4/18/2006
Surr: 2-Fluorobiphenyl	90.0	54-112		%REC	1	4/18/2006
Surr: 2-Fluorophenol	81.2	45-119		%REC	1	4/18/2006
Surr: 4-Terphenyl-d14	87.4	46-135		%REC	1	4/18/2006
Surr: Nitrobenzene-d5	92.0	40-116		%REC	1	4/18/2006
Surr: Phenol-d5	89.1	37-127		%REC	1	4/18/2006

Qualifiers:

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DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *19-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B5-16.0
Lab Order:	083799	**Collection Date:**	4/13/2006 9:37:00 AM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083799-005	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
LUFT				**EPA 8015B(M)**		
RunID: GC7_BACK_060417A QC Batch: 27637				PrepDate: 4/17/2006		Analyst: **CBR**
DRO	ND	10		mg/Kg	1	4/17/2006
Surr: p-Terphenyl	78.8	56-131		%REC	1	4/17/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_060414A QC Batch: E06VS082				PrepDate:		Analyst: **TT**
GRO	ND	1.0		mg/Kg	1	4/14/2006
Surr: Bromofluorobenzene (FID)	84.3	42-138		%REC	1	4/14/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS1_060415A QC Batch: P06VS070				PrepDate:		Analyst: **RK**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1	4/15/2006
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	4/15/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	4/15/2006
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	4/15/2006
1,1-Dichloroethane	ND	5.0		µg/Kg	1	4/15/2006
1,1-Dichloroethene	ND	5.0		µg/Kg	1	4/15/2006
1,1-Dichloropropene	ND	5.0		µg/Kg	1	4/15/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1	4/15/2006
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1	4/15/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1	4/15/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1	4/15/2006
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1	4/15/2006
1,2-Dibromoethane	ND	5.0		µg/Kg	1	4/15/2006
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1	4/15/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	4/15/2006
1,2-Dichloropropane	ND	5.0		µg/Kg	1	4/15/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1	4/15/2006
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1	4/15/2006
1,3-Dichloropropane	ND	5.0		µg/Kg	1	4/15/2006
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1	4/15/2006
2,2-Dichloropropane	ND	5.0		µg/Kg	1	4/15/2006
2-Chlorotoluene	ND	5.0		µg/Kg	1	4/15/2006
4-Chlorotoluene	ND	5.0		µg/Kg	1	4/15/2006
4-Isopropyltoluene	ND	5.0		µg/Kg	1	4/15/2006
Benzene	ND	5.0		µg/Kg	1	4/15/2006
Bromobenzene	ND	5.0		µg/Kg	1	4/15/2006

Qualifiers:

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S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *19-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B5-16.0
Lab Order:	083799	**Collection Date:**	4/13/2006 9:37:00 AM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083799-005	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS1_060415A	QC Batch: P06VS070			PrepDate:		Analyst: **RK**
Bromodichloromethane	ND	5.0		µg/Kg	1	4/15/2006
Bromoform	ND	5.0		µg/Kg	1	4/15/2006
Bromomethane	ND	5.0		µg/Kg	1	4/15/2006
Carbon tetrachloride	ND	5.0		µg/Kg	1	4/15/2006
Chlorobenzene	ND	5.0		µg/Kg	1	4/15/2006
Chloroethane	ND	5.0		µg/Kg	1	4/15/2006
Chloroform	ND	5.0		µg/Kg	1	4/15/2006
Chloromethane	ND	5.0		µg/Kg	1	4/15/2006
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	4/15/2006
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	4/15/2006
Dibromochloromethane	ND	5.0		µg/Kg	1	4/15/2006
Dibromomethane	ND	5.0		µg/Kg	1	4/15/2006
Dichlorodifluoromethane	ND	5.0		µg/Kg	1	4/15/2006
Ethylbenzene	ND	5.0		µg/Kg	1	4/15/2006
Hexachlorobutadiene	ND	5.0		µg/Kg	1	4/15/2006
Isopropylbenzene	ND	5.0		µg/Kg	1	4/15/2006
m,p-Xylene	ND	10		µg/Kg	1	4/15/2006
Methylene chloride	ND	5.0		µg/Kg	1	4/15/2006
n-Butylbenzene	ND	5.0		µg/Kg	1	4/15/2006
n-Propylbenzene	ND	5.0		µg/Kg	1	4/15/2006
Naphthalene	ND	5.0		µg/Kg	1	4/15/2006
o-Xylene	ND	5.0		µg/Kg	1	4/15/2006
sec-Butylbenzene	ND	5.0		µg/Kg	1	4/15/2006
Styrene	ND	5.0		µg/Kg	1	4/15/2006
tert-Butylbenzene	ND	5.0		µg/Kg	1	4/15/2006
Tetrachloroethene	ND	5.0		µg/Kg	1	4/15/2006
Toluene	ND	5.0		µg/Kg	1	4/15/2006
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	4/15/2006
Trichloroethene	ND	5.0		µg/Kg	1	4/15/2006
Trichlorofluoromethane	ND	5.0		µg/Kg	1	4/15/2006
Vinyl chloride	ND	5.0		µg/Kg	1	4/15/2006
Surr: 1,2-Dichloroethane-d4	92.0	58-138		%REC	1	4/15/2006
Surr: 4-Bromofluorobenzene	104	74-130		%REC	1	4/15/2006
Surr: Dibromofluoromethane	93.3	58-135		%REC	1	4/15/2006
Surr: Toluene-d8	105	84-130		%REC	1	4/15/2006

Qualifiers:

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Advanced Technology Laboratories

Date: *19-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083799
Project: I-5 EXPANSION, 105812001
Lab ID: 083799-005

Client Sample ID: NM03-B5-16.0
Collection Date: 4/13/2006 9:37:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS7_060418A	QC Batch: 27655				PrepDate: 4/18/2006	Analyst: **MFR**
1,2,4-Trichlorobenzene	ND	330		µg/Kg	1	4/18/2006
1,2-Dichlorobenzene	ND	330		µg/Kg	1	4/18/2006
1,3-Dichlorobenzene	ND	330		µg/Kg	1	4/18/2006
1,4-Dichlorobenzene	ND	330		µg/Kg	1	4/18/2006
2,4,5-Trichlorophenol	ND	330		µg/Kg	1	4/18/2006
2,4,6-Trichlorophenol	ND	330		µg/Kg	1	4/18/2006
2,4-Dichlorophenol	ND	1600		µg/Kg	1	4/18/2006
2,4-Dimethylphenol	ND	330		µg/Kg	1	4/18/2006
2,4-Dinitrophenol	ND	1600		µg/Kg	1	4/18/2006
2,4-Dinitrotoluene	ND	330		µg/Kg	1	4/18/2006
2,6-Dinitrotoluene	ND	330		µg/Kg	1	4/18/2006
2-Chloronaphthalene	ND	330		µg/Kg	1	4/18/2006
2-Chlorophenol	ND	330		µg/Kg	1	4/18/2006
2-Methylnaphthalene	ND	330		µg/Kg	1	4/18/2006
2-Methylphenol	ND	330		µg/Kg	1	4/18/2006
2-Nitroaniline	ND	1600		µg/Kg	1	4/18/2006
2-Nitrophenol	ND	330		µg/Kg	1	4/18/2006
3,3´-Dichlorobenzidine	ND	660		µg/Kg	1	4/18/2006
3-Nitroaniline	ND	1600		µg/Kg	1	4/18/2006
4,6-Dinitro-2-methylphenol	ND	1600		µg/Kg	1	4/18/2006
4-Bromophenyl-phenylether	ND	330		µg/Kg	1	4/18/2006
4-Chloro-3-methylphenol	ND	660		µg/Kg	1	4/18/2006
4-Chloroaniline	ND	660		µg/Kg	1	4/18/2006
4-Chlorophenyl-phenylether	ND	330		µg/Kg	1	4/18/2006
4-Methylphenol	ND	330		µg/Kg	1	4/18/2006
4-Nitroaniline	ND	1600		µg/Kg	1	4/18/2006
4-Nitrophenol	ND	1600		µg/Kg	1	4/18/2006
Acenaphthene	ND	330		µg/Kg	1	4/18/2006
Acenaphthylene	ND	330		µg/Kg	1	4/18/2006
Anthracene	ND	330		µg/Kg	1	4/18/2006
Benzidine (M)	ND	1600		µg/Kg	1	4/18/2006
Benzo(a)anthracene	ND	330		µg/Kg	1	4/18/2006
Benzo(a)pyrene	ND	330		µg/Kg	1	4/18/2006
Benzo(b)fluoranthene	ND	330		µg/Kg	1	4/18/2006
Benzo(g,h,i)perylene	ND	330		µg/Kg	1	4/18/2006
Benzo(k)fluoranthene	ND	330		µg/Kg	1	4/18/2006
Benzoic acid	ND	1600		µg/Kg	1	4/18/2006
Benzyl alcohol	ND	660		µg/Kg	1	4/18/2006

Qualifiers:

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Advanced Technology Laboratories

Date: *19-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083799
Project: I-5 EXPANSION, 105812001
Lab ID: 083799-005

Client Sample ID: NM03-B5-16.0
Collection Date: 4/13/2006 9:37:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS7_060418A	QC Batch: 27655			PrepDate:	4/18/2006	Analyst: **MFR**
Bis(2-chloroethoxy)methane	ND	330		µg/Kg	1	4/18/2006
Bis(2-chloroethyl)ether	ND	330		µg/Kg	1	4/18/2006
Bis(2-chloroisopropyl)ether	ND	330		µg/Kg	1	4/18/2006
Bis(2-ethylhexyl)phthalate	ND	330		µg/Kg	1	4/18/2006
Butylbenzylphthalate	ND	330		µg/Kg	1	4/18/2006
Chrysene	ND	330		µg/Kg	1	4/18/2006
Di-n-butylphthalate	ND	330		µg/Kg	1	4/18/2006
Di-n-octylphthalate	ND	330		µg/Kg	1	4/18/2006
Dibenz(a,h)anthracene	ND	330		µg/Kg	1	4/18/2006
Dibenzofuran	ND	330		µg/Kg	1	4/18/2006
Diethylphthalate	ND	330		µg/Kg	1	4/18/2006
Dimethylphthalate	ND	330		µg/Kg	1	4/18/2006
Fluoranthene	ND	330		µg/Kg	1	4/18/2006
Fluorene	ND	330		µg/Kg	1	4/18/2006
Hexachlorobenzene	ND	330		µg/Kg	1	4/18/2006
Hexachlorobutadiene	ND	660		µg/Kg	1	4/18/2006
Hexachlorocyclopentadiene	ND	660		µg/Kg	1	4/18/2006
Hexachloroethane	ND	330		µg/Kg	1	4/18/2006
Indeno(1,2,3-cd)pyrene	ND	330		µg/Kg	1	4/18/2006
Isophorone	ND	330		µg/Kg	1	4/18/2006
N-Nitrosodi-n-propylamine	ND	330		µg/Kg	1	4/18/2006
N-Nitrosodiphenylamine	ND	330		µg/Kg	1	4/18/2006
Naphthalene	ND	330		µg/Kg	1	4/18/2006
Nitrobenzene	ND	330		µg/Kg	1	4/18/2006
Pentachlorophenol	ND	1600		µg/Kg	1	4/18/2006
Phenanthrene	ND	330		µg/Kg	1	4/18/2006
Phenol	ND	330		µg/Kg	1	4/18/2006
Pyrene	ND	330		µg/Kg	1	4/18/2006
Surr: 1,2-Dichlorobenzene-d4	64.5	46-105		%REC	1	4/18/2006
Surr: 2,4,6-Tribromophenol	92.9	46-146		%REC	1	4/18/2006
Surr: 2-Chlorophenol-d4	74.5	48-117		%REC	1	4/18/2006
Surr: 2-Fluorobiphenyl	83.4	54-112		%REC	1	4/18/2006
Surr: 2-Fluorophenol	72.3	45-119		%REC	1	4/18/2006
Surr: 4-Terphenyl-d14	85.3	46-135		%REC	1	4/18/2006
Surr: Nitrobenzene-d5	83.6	40-116		%REC	1	4/18/2006
Surr: Phenol-d5	80.7	37-127		%REC	1	4/18/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *19-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B5-GW
Lab Order:	083799	**Collection Date:**	4/13/2006 10:55:00 AM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083799-008	**Matrix:**	GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3510C				**EPA 8015B(M)**		
RunID: GC7_060417A	QC Batch: 27629			PrepDate: 4/17/2006		Analyst: **CBR**
DRO	ND	0.22		mg/L	1	4/18/2006
Surr: p-Terphenyl	85.9	32-125		%REC	1	4/18/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC6_060414A	QC Batch: I06VW096			PrepDate:		Analyst: **EA**
GRO	0.20	0.20		mg/L	1	4/14/2006
Surr: Bromofluorobenzene (FID)	102	76-125		%REC	1	4/14/2006
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3510C				**EPA 8270C**		
RunID: MS7_060414B	QC Batch: 27610			PrepDate: 4/14/2006		Analyst: **MFR**
1,2,4-Trichlorobenzene	ND	12		µg/L	1	4/17/2006
1,2-Dichlorobenzene	ND	12		µg/L	1	4/17/2006
1,3-Dichlorobenzene	ND	12		µg/L	1	4/17/2006
1,4-Dichlorobenzene	ND	12		µg/L	1	4/17/2006
2,4,5-Trichlorophenol	ND	12		µg/L	1	4/17/2006
2,4,6-Trichlorophenol	ND	12		µg/L	1	4/17/2006
2,4-Dichlorophenol	ND	12		µg/L	1	4/17/2006
2,4-Dimethylphenol	ND	12		µg/L	1	4/17/2006
2,4-Dinitrophenol	ND	62		µg/L	1	4/17/2006
2,4-Dinitrotoluene	ND	12		µg/L	1	4/17/2006
2,6-Dinitrotoluene	ND	12		µg/L	1	4/17/2006
2-Chloronaphthalene	ND	12		µg/L	1	4/17/2006
2-Chlorophenol	ND	12		µg/L	1	4/17/2006
2-Methylnaphthalene	ND	12		µg/L	1	4/17/2006
2-Methylphenol	ND	12		µg/L	1	4/17/2006
2-Nitroaniline	ND	62		µg/L	1	4/17/2006
2-Nitrophenol	ND	12		µg/L	1	4/17/2006
3,3´-Dichlorobenzidine	ND	25		µg/L	1	4/17/2006
3-Nitroaniline	ND	62		µg/L	1	4/17/2006
4,6-Dinitro-2-methylphenol	ND	62		µg/L	1	4/17/2006
4-Bromophenyl-phenylether	ND	12		µg/L	1	4/17/2006
4-Chloro-3-methylphenol	ND	62		µg/L	1	4/17/2006
4-Chloroaniline	ND	25		µg/L	1	4/17/2006
4-Chlorophenyl-phenylether	ND	12		µg/L	1	4/17/2006
4-Methylphenol	ND	12		µg/L	1	4/17/2006
4-Nitroaniline	ND	25		µg/L	1	4/17/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *19-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083799
Project: I-5 EXPANSION, 105812001
Lab ID: 083799-008

Client Sample ID: NM03-B5-GW
Collection Date: 4/13/2006 10:55:00 AM
Matrix: GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3510C				**EPA 8270C**		
RunID: MS7_060414B	QC Batch: 27610				PrepDate: 4/14/2006	Analyst: **MFR**
4-Nitrophenol	ND	62		µg/L	1	4/17/2006
Acenaphthene	ND	12		µg/L	1	4/17/2006
Acenaphthylene	ND	12		µg/L	1	4/17/2006
Anthracene	ND	12		µg/L	1	4/17/2006
Benzidine (M)	ND	62		µg/L	1	4/17/2006
Benzo(a)anthracene	ND	12		µg/L	1	4/17/2006
Benzo(a)pyrene	ND	12		µg/L	1	4/17/2006
Benzo(b)fluoranthene	ND	12		µg/L	1	4/17/2006
Benzo(g,h,i)perylene	ND	12		µg/L	1	4/17/2006
Benzo(k)fluoranthene	ND	12		µg/L	1	4/17/2006
Benzoic acid	ND	62		µg/L	1	4/17/2006
Benzyl alcohol	ND	25		µg/L	1	4/17/2006
Bis(2-chloroethoxy)methane	ND	12		µg/L	1	4/17/2006
Bis(2-chloroethyl)ether	ND	12		µg/L	1	4/17/2006
Bis(2-chloroisopropyl)ether	ND	12		µg/L	1	4/17/2006
Bis(2-ethylhexyl)phthalate	ND	12		µg/L	1	4/17/2006
Butylbenzylphthalate	ND	12		µg/L	1	4/17/2006
Chrysene	ND	12		µg/L	1	4/17/2006
Di-n-butylphthalate	ND	12		µg/L	1	4/17/2006
Di-n-octylphthalate	ND	12		µg/L	1	4/17/2006
Dibenz(a,h)anthracene	ND	12		µg/L	1	4/17/2006
Dibenzofuran	ND	12		µg/L	1	4/17/2006
Diethylphthalate	ND	12		µg/L	1	4/17/2006
Dimethylphthalate	ND	12		µg/L	1	4/17/2006
Fluoranthene	ND	12		µg/L	1	4/17/2006
Fluorene	ND	12		µg/L	1	4/17/2006
Hexachlorobenzene	ND	12		µg/L	1	4/17/2006
Hexachlorobutadiene	ND	25		µg/L	1	4/17/2006
Hexachlorocyclopentadiene	ND	12		µg/L	1	4/17/2006
Hexachloroethane	ND	12		µg/L	1	4/17/2006
Indeno(1,2,3-cd)pyrene	ND	12		µg/L	1	4/17/2006
Isophorone	ND	12		µg/L	1	4/17/2006
N-Nitrosodi-n-propylamine	ND	12		µg/L	1	4/17/2006
N-Nitrosodiphenylamine	ND	12		µg/L	1	4/17/2006
Naphthalene	ND	12		µg/L	1	4/17/2006
Nitrobenzene	ND	12		µg/L	1	4/17/2006
Pentachlorophenol	ND	62		µg/L	1	4/17/2006
Phenanthrene	ND	12		µg/L	1	4/17/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *19-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083799
Project: I-5 EXPANSION, 105812001
Lab ID: 083799-008

Client Sample ID: NM03-B5-GW
Collection Date: 4/13/2006 10:55:00 AM
Matrix: GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3510C				**EPA 8270C**		
RunID: MS7_060414B	QC Batch: 27610				PrepDate: 4/14/2006	Analyst: **MFR**
Phenol	ND	12		µg/L	1	4/17/2006
Pyrene	ND	12		µg/L	1	4/17/2006
Surr: 1,2-Dichlorobenzene-d4	61.9	41-103		%REC	1	4/17/2006
Surr: 2,4,6-Tribromophenol	110	55-137		%REC	1	4/17/2006
Surr: 2-Chlorophenol-d4	80.6	34-117		%REC	1	4/17/2006
Surr: 2-Fluorobiphenyl	82.8	49-114		%REC	1	4/17/2006
Surr: 2-Fluorophenol	54.0	24-74		%REC	1	4/17/2006
Surr: 4-Terphenyl-d14	93.2	42-138		%REC	1	4/17/2006
Surr: Nitrobenzene-d5	94.6	47-115		%REC	1	4/17/2006
Surr: Phenol-d5	42.2	16-63		%REC	1	4/17/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS11_060417A	QC Batch: A06VW097				PrepDate:	Analyst: **HH**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	4/17/2006
1,1,1-Trichloroethane	ND	5.0		µg/L	1	4/17/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	4/17/2006
1,1,2-Trichloroethane	ND	5.0		µg/L	1	4/17/2006
1,1-Dichloroethane	ND	5.0		µg/L	1	4/17/2006
1,1-Dichloroethene	ND	5.0		µg/L	1	4/17/2006
1,1-Dichloropropene	ND	5.0		µg/L	1	4/17/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/L	1	4/17/2006
1,2,3-Trichloropropane	ND	5.0		µg/L	1	4/17/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	4/17/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/L	1	4/17/2006
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	4/17/2006
1,2-Dibromoethane	ND	5.0		µg/L	1	4/17/2006
1,2-Dichlorobenzene	ND	5.0		µg/L	1	4/17/2006
1,2-Dichloroethane	ND	5.0		µg/L	1	4/17/2006
1,2-Dichloropropane	ND	5.0		µg/L	1	4/17/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	4/17/2006
1,3-Dichlorobenzene	ND	5.0		µg/L	1	4/17/2006
1,3-Dichloropropane	ND	5.0		µg/L	1	4/17/2006
1,4-Dichlorobenzene	ND	5.0		µg/L	1	4/17/2006
2,2-Dichloropropane	ND	5.0		µg/L	1	4/17/2006
2-Chlorotoluene	ND	5.0		µg/L	1	4/17/2006
4-Chlorotoluene	ND	5.0		µg/L	1	4/17/2006
4-Isopropyltoluene	ND	5.0		µg/L	1	4/17/2006

Qualifiers:

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H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *19-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083799
Project: I-5 EXPANSION, 105812001
Lab ID: 083799-008

Client Sample ID: NM03-B5-GW
Collection Date: 4/13/2006 10:55:00 AM
Matrix: GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS11_060417A	QC Batch: A06VW097			PrepDate:		Analyst: **HH**
Benzene	ND	5.0		µg/L	1	4/17/2006
Bromobenzene	ND	5.0		µg/L	1	4/17/2006
Bromodichloromethane	ND	5.0		µg/L	1	4/17/2006
Bromoform	ND	5.0		µg/L	1	4/17/2006
Bromomethane	ND	5.0		µg/L	1	4/17/2006
Carbon tetrachloride	ND	5.0		µg/L	1	4/17/2006
Chlorobenzene	ND	5.0		µg/L	1	4/17/2006
Chloroethane	ND	5.0		µg/L	1	4/17/2006
Chloroform	ND	5.0		µg/L	1	4/17/2006
Chloromethane	ND	5.0		µg/L	1	4/17/2006
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	4/17/2006
Dibromochloromethane	ND	5.0		µg/L	1	4/17/2006
Dibromomethane	ND	5.0		µg/L	1	4/17/2006
Dichlorodifluoromethane	ND	5.0		µg/L	1	4/17/2006
Ethylbenzene	ND	5.0		µg/L	1	4/17/2006
Hexachlorobutadiene	ND	5.0		µg/L	1	4/17/2006
Isopropylbenzene	ND	5.0		µg/L	1	4/17/2006
m,p-Xylene	ND	10		µg/L	1	4/17/2006
Methylene chloride	ND	5.0		µg/L	1	4/17/2006
n-Butylbenzene	ND	5.0		µg/L	1	4/17/2006
n-Propylbenzene	7.5	5.0		µg/L	1	4/17/2006
Naphthalene	ND	5.0		µg/L	1	4/17/2006
o-Xylene	ND	5.0		µg/L	1	4/17/2006
sec-Butylbenzene	ND	5.0		µg/L	1	4/17/2006
Styrene	ND	5.0		µg/L	1	4/17/2006
tert-Butylbenzene	ND	5.0		µg/L	1	4/17/2006
Tetrachloroethene	ND	5.0		µg/L	1	4/17/2006
Toluene	ND	5.0		µg/L	1	4/17/2006
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	4/17/2006
Trichloroethene	ND	5.0		µg/L	1	4/17/2006
Trichlorofluoromethane	ND	5.0		µg/L	1	4/17/2006
Vinyl chloride	ND	5.0		µg/L	1	4/17/2006
Surr: 1,2-Dichloroethane-d4	88.3	70-126		%REC	1	4/17/2006
Surr: 4-Bromofluorobenzene	98.2	63-134		%REC	1	4/17/2006
Surr: Dibromofluoromethane	88.0	73-124		%REC	1	4/17/2006
Surr: Toluene-d8	92.8	84-123		%REC	1	4/17/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *19-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B5-Equip
Lab Order:	083799	**Collection Date:**	4/13/2006 10:25:00 AM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083799-009	**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3510C				**EPA 8015B(M)**		
RunID: GC7_060417A	QC Batch: 27629			PrepDate:	4/17/2006	Analyst: **CBR**
DRO	ND	0.20		mg/L	1	4/18/2006
Surr: p-Terphenyl	63.0	32-125		%REC	1	4/18/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC6_060414A	QC Batch: I06VW096			PrepDate:		Analyst: **EA**
GRO	ND	0.20		mg/L	1	4/14/2006
Surr: Bromofluorobenzene (FID)	99.7	76-125		%REC	1	4/14/2006
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3510C				**EPA 8270C**		
RunID: MS7_060414B	QC Batch: 27610			PrepDate:	4/14/2006	Analyst: **MFR**
1,2,4-Trichlorobenzene	ND	10		µg/L	1	4/17/2006
1,2-Dichlorobenzene	ND	10		µg/L	1	4/17/2006
1,3-Dichlorobenzene	ND	10		µg/L	1	4/17/2006
1,4-Dichlorobenzene	ND	10		µg/L	1	4/17/2006
2,4,5-Trichlorophenol	ND	10		µg/L	1	4/17/2006
2,4,6-Trichlorophenol	ND	10		µg/L	1	4/17/2006
2,4-Dichlorophenol	ND	10		µg/L	1	4/17/2006
2,4-Dimethylphenol	ND	10		µg/L	1	4/17/2006
2,4-Dinitrophenol	ND	50		µg/L	1	4/17/2006
2,4-Dinitrotoluene	ND	10		µg/L	1	4/17/2006
2,6-Dinitrotoluene	ND	10		µg/L	1	4/17/2006
2-Chloronaphthalene	ND	10		µg/L	1	4/17/2006
2-Chlorophenol	ND	10		µg/L	1	4/17/2006
2-Methylnaphthalene	ND	10		µg/L	1	4/17/2006
2-Methylphenol	ND	10		µg/L	1	4/17/2006
2-Nitroaniline	ND	50		µg/L	1	4/17/2006
2-Nitrophenol	ND	10		µg/L	1	4/17/2006
3,3´-Dichlorobenzidine	ND	20		µg/L	1	4/17/2006
3-Nitroaniline	ND	50		µg/L	1	4/17/2006
4,6-Dinitro-2-methylphenol	ND	50		µg/L	1	4/17/2006
4-Bromophenyl-phenylether	ND	10		µg/L	1	4/17/2006
4-Chloro-3-methylphenol	ND	50		µg/L	1	4/17/2006
4-Chloroaniline	ND	20		µg/L	1	4/17/2006
4-Chlorophenyl-phenylether	ND	10		µg/L	1	4/17/2006
4-Methylphenol	ND	10		µg/L	1	4/17/2006
4-Nitroaniline	ND	20		µg/L	1	4/17/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *19-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083799
Project: I-5 EXPANSION, 105812001
Lab ID: 083799-009

Client Sample ID: NM03-B5-Equip
Collection Date: 4/13/2006 10:25:00 AM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3510C				**EPA 8270C**		
RunID: MS7_060414B	QC Batch: 27610				PrepDate: 4/14/2006	Analyst: **MFR**
4-Nitrophenol	ND	50		µg/L	1	4/17/2006
Acenaphthene	ND	10		µg/L	1	4/17/2006
Acenaphthylene	ND	10		µg/L	1	4/17/2006
Anthracene	ND	10		µg/L	1	4/17/2006
Benzidine (M)	ND	50		µg/L	1	4/17/2006
Benzo(a)anthracene	ND	10		µg/L	1	4/17/2006
Benzo(a)pyrene	ND	10		µg/L	1	4/17/2006
Benzo(b)fluoranthene	ND	10		µg/L	1	4/17/2006
Benzo(g,h,i)perylene	ND	10		µg/L	1	4/17/2006
Benzo(k)fluoranthene	ND	10		µg/L	1	4/17/2006
Benzoic acid	ND	50		µg/L	1	4/17/2006
Benzyl alcohol	ND	20		µg/L	1	4/17/2006
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	4/17/2006
Bis(2-chloroethyl)ether	ND	10		µg/L	1	4/17/2006
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	4/17/2006
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	4/17/2006
Butylbenzylphthalate	ND	10		µg/L	1	4/17/2006
Chrysene	ND	10		µg/L	1	4/17/2006
Di-n-butylphthalate	ND	10		µg/L	1	4/17/2006
Di-n-octylphthalate	ND	10		µg/L	1	4/17/2006
Dibenz(a,h)anthracene	ND	10		µg/L	1	4/17/2006
Dibenzofuran	ND	10		µg/L	1	4/17/2006
Diethylphthalate	ND	10		µg/L	1	4/17/2006
Dimethylphthalate	ND	10		µg/L	1	4/17/2006
Fluoranthene	ND	10		µg/L	1	4/17/2006
Fluorene	ND	10		µg/L	1	4/17/2006
Hexachlorobenzene	ND	10		µg/L	1	4/17/2006
Hexachlorobutadiene	ND	20		µg/L	1	4/17/2006
Hexachlorocyclopentadiene	ND	10		µg/L	1	4/17/2006
Hexachloroethane	ND	10		µg/L	1	4/17/2006
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	4/17/2006
Isophorone	ND	10		µg/L	1	4/17/2006
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	4/17/2006
N-Nitrosodiphenylamine	ND	10		µg/L	1	4/17/2006
Naphthalene	ND	10		µg/L	1	4/17/2006
Nitrobenzene	ND	10		µg/L	1	4/17/2006
Pentachlorophenol	ND	50		µg/L	1	4/17/2006
Phenanthrene	ND	10		µg/L	1	4/17/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *19-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083799
Project: I-5 EXPANSION, 105812001
Lab ID: 083799-009

Client Sample ID: NM03-B5-Equip
Collection Date: 4/13/2006 10:25:00 AM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3510C				**EPA 8270C**		
RunID: MS7_060414B	QC Batch: 27610			PrepDate: 4/14/2006		Analyst: **MFR**
Phenol	ND	10		µg/L	1	4/17/2006
Pyrene	ND	10		µg/L	1	4/17/2006
Surr: 1,2-Dichlorobenzene-d4	56.8	41-103		%REC	1	4/17/2006
Surr: 2,4,6-Tribromophenol	93.7	55-137		%REC	1	4/17/2006
Surr: 2-Chlorophenol-d4	70.4	34-117		%REC	1	4/17/2006
Surr: 2-Fluorobiphenyl	76.8	49-114		%REC	1	4/17/2006
Surr: 2-Fluorophenol	42.3	24-74		%REC	1	4/17/2006
Surr: 4-Terphenyl-d14	95.2	42-138		%REC	1	4/17/2006
Surr: Nitrobenzene-d5	88.0	47-115		%REC	1	4/17/2006
Surr: Phenol-d5	30.8	16-63		%REC	1	4/17/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS11_060417A	QC Batch: A06VW097			PrepDate:		Analyst: **HH**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	4/17/2006
1,1,1-Trichloroethane	ND	5.0		µg/L	1	4/17/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	4/17/2006
1,1,2-Trichloroethane	ND	5.0		µg/L	1	4/17/2006
1,1-Dichloroethane	ND	5.0		µg/L	1	4/17/2006
1,1-Dichloroethene	ND	5.0		µg/L	1	4/17/2006
1,1-Dichloropropene	ND	5.0		µg/L	1	4/17/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/L	1	4/17/2006
1,2,3-Trichloropropane	ND	5.0		µg/L	1	4/17/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	4/17/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/L	1	4/17/2006
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	4/17/2006
1,2-Dibromoethane	ND	5.0		µg/L	1	4/17/2006
1,2-Dichlorobenzene	ND	5.0		µg/L	1	4/17/2006
1,2-Dichloroethane	ND	5.0		µg/L	1	4/17/2006
1,2-Dichloropropane	ND	5.0		µg/L	1	4/17/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	4/17/2006
1,3-Dichlorobenzene	ND	5.0		µg/L	1	4/17/2006
1,3-Dichloropropane	ND	5.0		µg/L	1	4/17/2006
1,4-Dichlorobenzene	ND	5.0		µg/L	1	4/17/2006
2,2-Dichloropropane	ND	5.0		µg/L	1	4/17/2006
2-Chlorotoluene	ND	5.0		µg/L	1	4/17/2006
4-Chlorotoluene	ND	5.0		µg/L	1	4/17/2006
4-Isopropyltoluene	ND	5.0		µg/L	1	4/17/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *19-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083799
Project: I-5 EXPANSION, 105812001
Lab ID: 083799-009

Client Sample ID: NM03-B5-Equip
Collection Date: 4/13/2006 10:25:00 AM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS11_060417A	QC Batch: A06VW097			PrepDate:		Analyst: **HH**
Benzene	ND	5.0		µg/L	1	4/17/2006
Bromobenzene	ND	5.0		µg/L	1	4/17/2006
Bromodichloromethane	ND	5.0		µg/L	1	4/17/2006
Bromoform	ND	5.0		µg/L	1	4/17/2006
Bromomethane	ND	5.0		µg/L	1	4/17/2006
Carbon tetrachloride	ND	5.0		µg/L	1	4/17/2006
Chlorobenzene	ND	5.0		µg/L	1	4/17/2006
Chloroethane	ND	5.0		µg/L	1	4/17/2006
Chloroform	ND	5.0		µg/L	1	4/17/2006
Chloromethane	ND	5.0		µg/L	1	4/17/2006
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	4/17/2006
Dibromochloromethane	ND	5.0		µg/L	1	4/17/2006
Dibromomethane	ND	5.0		µg/L	1	4/17/2006
Dichlorodifluoromethane	ND	5.0		µg/L	1	4/17/2006
Ethylbenzene	ND	5.0		µg/L	1	4/17/2006
Hexachlorobutadiene	ND	5.0		µg/L	1	4/17/2006
Isopropylbenzene	ND	5.0		µg/L	1	4/17/2006
m,p-Xylene	ND	10		µg/L	1	4/17/2006
Methylene chloride	ND	5.0		µg/L	1	4/17/2006
n-Butylbenzene	ND	5.0		µg/L	1	4/17/2006
n-Propylbenzene	ND	5.0		µg/L	1	4/17/2006
Naphthalene	ND	5.0		µg/L	1	4/17/2006
o-Xylene	ND	5.0		µg/L	1	4/17/2006
sec-Butylbenzene	ND	5.0		µg/L	1	4/17/2006
Styrene	ND	5.0		µg/L	1	4/17/2006
tert-Butylbenzene	ND	5.0		µg/L	1	4/17/2006
Tetrachloroethene	ND	5.0		µg/L	1	4/17/2006
Toluene	ND	5.0		µg/L	1	4/17/2006
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	4/17/2006
Trichloroethene	ND	5.0		µg/L	1	4/17/2006
Trichlorofluoromethane	ND	5.0		µg/L	1	4/17/2006
Vinyl chloride	ND	5.0		µg/L	1	4/17/2006
Surr: 1,2-Dichloroethane-d4	88.0	70-126		%REC	1	4/17/2006
Surr: 4-Bromofluorobenzene	99.4	63-134		%REC	1	4/17/2006
Surr: Dibromofluoromethane	88.0	73-124		%REC	1	4/17/2006
Surr: Toluene-d8	92.4	84-123		%REC	1	4/17/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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CLIENT: Ninyo & Moore
Work Order: 083799
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **MB-27622A** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/17/2006** RunNo: **62297**
Client ID: **PBS** Batch ID: **27622** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/17/2006** SeqNo: **921777**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID: **LCS-27622** SampType: **LCS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/17/2006** RunNo: **62297**
Client ID: **LCSS** Batch ID: **27622** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/17/2006** SeqNo: **921778**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	250	1.0	250.0	0	98.9	80	120				

Sample ID: **083799-001ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/17/2006** RunNo: **62297**
Client ID: **NM03-B5-1.5** Batch ID: **27622** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/17/2006** SeqNo: **921782**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.0	1.0						3.190	22.3	20	R

Sample ID: **083799-001AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/17/2006** RunNo: **62297**
Client ID: **NM03-B5-1.5** Batch ID: **27622** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/17/2006** SeqNo: **921783**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	220	1.0	250.0	3.190	85.9	31	122				

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interferenc	DO	Surrogate Diluted Out
	Calculations are based on raw values				

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Work Order: 083799
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DSL H

Sample ID: **MB-27637** SampType: **MBLK** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **4/17/2006** RunNo: **62323**
Client ID: **PBS** Batch ID: **27637** TestNo: **EPA 8015B(M LUFT** Analysis Date: **4/17/2006** SeqNo: **922289**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	10									
Surr: p-Terphenyl	63		80.00		79.2	56	131				

Sample ID: **LCS-27637** SampType: **LCS** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **4/17/2006** RunNo: **62323**
Client ID: **LCSS** Batch ID: **27637** TestNo: **EPA 8015B(M LUFT** Analysis Date: **4/17/2006** SeqNo: **922290**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	990	10	1000	0	99.0	67	131				
Surr: p-Terphenyl	77		80.00		96.4	56	131				

Sample ID: **083781-012AMS** SampType: **MS** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **4/17/2006** RunNo: **62323**
Client ID: **ZZZZZZ** Batch ID: **27637** TestNo: **EPA 8015B(M LUFT** Analysis Date: **4/17/2006** SeqNo: **922291**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1100	10	1000	0	112	49	140				
Surr: p-Terphenyl	88		80.00		111	56	131				

Sample ID: **083781-012AMSD** SampType: **MSD** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **4/17/2006** RunNo: **62323**
Client ID: **ZZZZZZ** Batch ID: **27637** TestNo: **EPA 8015B(M LUFT** Analysis Date: **4/17/2006** SeqNo: **922292**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1100	10	1000	0	111	49	140	1123	1.15	30	
Surr: p-Terphenyl	85		80.00		107	56	131		0	30	

Sample ID: **083799-004ADUP** SampType: **DUP** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: RunNo: **62323**
Client ID: **NM03-B5-11.0** Batch ID: **27637** TestNo: **EPA 8015B(M LUFT** Analysis Date: **4/17/2006** SeqNo: **922297**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	10						0	0	30	
Surr: p-Terphenyl	0.063		80.00		0.0788	56	131		0	0	S

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083799
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID: **E041406MB1** SampType: **MBLK** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **62239**
Client ID: **PBS** Batch ID: **E06VS082** TestNo: **EPA 8015B(M** Analysis Date: **4/14/2006** SeqNo: **921007**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0									
Surr: Bromofluorobenzene (FID)	85		100.0		84.9	42	138				

Sample ID: **083765-004A** SampType: **DUP** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **62239**
Client ID: **ZZZZZZ** Batch ID: **E06VS082** TestNo: **EPA 8015B(M** Analysis Date: **4/14/2006** SeqNo: **921009**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0						0	0	30	
Surr: Bromofluorobenzene (FID)	79		100.0		78.6	42	138		0	0	

Sample ID: **E041406LCS2** SampType: **LCS** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **62239**
Client ID: **LCSS** Batch ID: **E06VS082** TestNo: **EPA 8015B(M** Analysis Date: **4/14/2006** SeqNo: **921012**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.2	1.0	5.000	0	83.5	78	122				
Surr: Bromofluorobenzene (FID)	92		100.0		91.9	42	138				

Sample ID: **083765-004AMS** SampType: **MS** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **62239**
Client ID: **ZZZZZZ** Batch ID: **E06VS082** TestNo: **EPA 8015B(M** Analysis Date: **4/14/2006** SeqNo: **921013**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.2	1.0	5.000	0	84.0	34	140				
Surr: Bromofluorobenzene (FID)	94		100.0		93.6	42	138				

Sample ID: **083765-004AMSD** SampType: **MSD** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **62239**
Client ID: **ZZZZZZ** Batch ID: **E06VS082** TestNo: **EPA 8015B(M** Analysis Date: **4/14/2006** SeqNo: **921014**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0	5.000	0	0	34	140	4.201	0	30	S
Surr: Bromofluorobenzene (FID)	6.7		100.0		6.73	42	138		0	30	S

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083799
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_DSL H

Sample ID: **MB-27629** SampType: **MBLK** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/17/2006** RunNo: **62303**
Client ID: **PBW** Batch ID: **27629** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/17/2006** SeqNo: **922079**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	0.20									
Surr: p-Terphenyl	0.039		0.08000		49.4	32	125				

Sample ID: **LCS-27629** SampType: **LCS** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/17/2006** RunNo: **62303**
Client ID: **LCSW** Batch ID: **27629** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/17/2006** SeqNo: **922080**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.80	0.20	1.000	0	80.1	60	130				
Surr: p-Terphenyl	0.030		0.08000		37.4	32	125				

Sample ID: **MB-27629MS** SampType: **MS** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/17/2006** RunNo: **62303**
Client ID: **ZZZZZZ** Batch ID: **27629** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/17/2006** SeqNo: **922081**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.83	0.20	1.000	0	83.0	60	130				
Surr: p-Terphenyl	0.029		0.08000		36.2	32	125				

Sample ID: **MB-27629MSD** SampType: **MSD** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/17/2006** RunNo: **62303**
Client ID: **ZZZZZZ** Batch ID: **27629** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/17/2006** SeqNo: **922082**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.78	0.20	1.000	0	78.0	60	130	0.8300	6.27	40	
Surr: p-Terphenyl	0.026		0.08000		32.9	32	125		0	0	

Sample ID: **083765-009DDUP** SampType: **DUP** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/17/2006** RunNo: **62303**
Client ID: **ZZZZZZ** Batch ID: **27629** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/17/2006** SeqNo: **922084**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	0.20						0	0	30	
Surr: p-Terphenyl	0.072		0.08000		89.6	32	125		0	0	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083799
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_DSL H

Sample ID: **MB-27629**	SampType: **MBLK**	TestCode: **8015_W_DSL**	Units: **mg/L**	Prep Date: **4/17/2006**	RunNo: **62303**
Client ID: **PBW**	Batch ID: **27629**	TestNo: **EPA 8015B(M**	**EPA 3510C**	Analysis Date: **4/18/2006**	SeqNo: **922910**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	0.20									
Surr: p-Terphenyl	0.040		0.08000		50.3	32	125				

Sample ID: **LCS-27629**	SampType: **LCS**	TestCode: **8015_W_DSL**	Units: **mg/L**	Prep Date: **4/17/2006**	RunNo: **62303**
Client ID: **LCSW**	Batch ID: **27629**	TestNo: **EPA 8015B(M**	**EPA 3510C**	Analysis Date: **4/18/2006**	SeqNo: **922911**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.79	0.20	1.000	0	78.8	60	130				
Surr: p-Terphenyl	0.033		0.08000		40.8	32	125				

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interferenc	DO	Surrogate Diluted Out
	Calculations are based on raw values				

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CLIENT: Ninyo & Moore
Work Order: 083799
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_G PRES

Sample ID: **I041406LCS1** SampType: **LCS** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **62161**
Client ID: **LCSW** Batch ID: **I06VW096** TestNo: **EPA 8015B(M** Analysis Date: **4/14/2006** SeqNo: **920615**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.92	0.20	1.000	0	92.1	71	122				
Surr: Bromofluorobenzene (FID)	110		100.0		107	76	125				

Sample ID: **I041406MB2MS** SampType: **MS** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **62161**
Client ID: **ZZZZZZ** Batch ID: **I06VW096** TestNo: **EPA 8015B(M** Analysis Date: **4/14/2006** SeqNo: **920616**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.96	0.20	1.000	0	95.8	71	122				
Surr: Bromofluorobenzene (FID)	110		100.0		111	76	125				

Sample ID: **I041406MB2MSD** SampType: **MSD** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **62161**
Client ID: **ZZZZZZ** Batch ID: **I06VW096** TestNo: **EPA 8015B(M** Analysis Date: **4/14/2006** SeqNo: **920617**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.96	0.20	1.000	0	96.3	71	122	0.9580	0.521	30	
Surr: Bromofluorobenzene (FID)	110		100.0		111	76	125		0	0	

Sample ID: **I041406MB2** SampType: **MBLK** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **62161**
Client ID: **PBW** Batch ID: **I06VW096** TestNo: **EPA 8015B(M** Analysis Date: **4/14/2006** SeqNo: **920618**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.20									
Surr: Bromofluorobenzene (FID)	100		100.0		102	76	125				

Sample ID: **083799-008B** SampType: **DUP** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **62161**
Client ID: **NM03-B5-GW** Batch ID: **I06VW096** TestNo: **EPA 8015B(M** Analysis Date: **4/14/2006** SeqNo: **920621**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.20						0.2040	0	30	
Surr: Bromofluorobenzene (FID)	100		100.0		101	76	125		0	0	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083799
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **P060415LC1** SampType: **LCS** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **62217**
Client ID: **LCSS** Batch ID: **P06VS070** TestNo: **EPA 8260B** Analysis Date: **4/15/2006** SeqNo: **920515**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	110	5.0	100.0	0	107	76	126				
Benzene	110	5.0	100.0	0	108	77	131				
Chlorobenzene	110	5.0	100.0	0	114	81	136				
Toluene	100	5.0	100.0	0	101	78	129				
Trichloroethene	110	5.0	100.0	0	115	78	136				
Surr: 1,2-Dichloroethane-d4	47		50.00		94.4	58	138				
Surr: 4-Bromofluorobenzene	52		50.00		104	74	130				
Surr: Dibromofluoromethane	49		50.00		97.1	58	135				
Surr: Toluene-d8	53		50.00		106	84	130				

Sample ID: **P060415MS** SampType: **MS** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **62217**
Client ID: **ZZZZZZ** Batch ID: **P06VS070** TestNo: **EPA 8260B** Analysis Date: **4/15/2006** SeqNo: **920516**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	110	5.0	100.0	0	107	59	146				
Benzene	110	5.0	100.0	0	108	68	137				
Chlorobenzene	110	5.0	100.0	0	113	64	144				
Toluene	100	5.0	100.0	0	99.9	53	150				
Trichloroethene	110	5.0	100.0	0	112	58	155				
Surr: 1,2-Dichloroethane-d4	46		50.00		92.4	58	138				
Surr: 4-Bromofluorobenzene	53		50.00		106	74	130				
Surr: Dibromofluoromethane	49		50.00		98.1	58	135				
Surr: Toluene-d8	53		50.00		106	84	130				

Sample ID: **P060415MSD** SampType: **MSD** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **62217**
Client ID: **ZZZZZZ** Batch ID: **P06VS070** TestNo: **EPA 8260B** Analysis Date: **4/15/2006** SeqNo: **920517**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	110	5.0	100.0	0	110	59	146				
Benzene	100	5.0	100.0	0	105	68	137				
Chlorobenzene	110	5.0	100.0	0	114	64	144				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083799
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **P060415MSD** SampType: **MSD** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **62217**
Client ID: **ZZZZZZ** Batch ID: **P06VS070** TestNo: **EPA 8260B** Analysis Date: **4/15/2006** SeqNo: **920517**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	97	5.0	100.0	0	96.8	53	150				
Trichloroethene	110	5.0	100.0	0	111	58	155				
Surr: 1,2-Dichloroethane-d4	47		50.00		93.9	58	138				
Surr: 4-Bromofluorobenzene	52		50.00		104	74	130				
Surr: Dibromofluoromethane	49		50.00		98.8	58	135				
Surr: Toluene-d8	51		50.00		102	84	130				

Sample ID: **P060415MB1** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **62217**
Client ID: **PBS** Batch ID: **P06VS070** TestNo: **EPA 8260B** Analysis Date: **4/15/2006** SeqNo: **920518**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Work Order: 083799
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **P060415MB1** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **62217**
Client ID: **PBS** Batch ID: **P06VS070** TestNo: **EPA 8260B** Analysis Date: **4/15/2006** SeqNo: **920518**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
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CLIENT: Ninyo & Moore
Work Order: 083799
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **P060415MB1** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **62217**
Client ID: **PBS** Batch ID: **P06VS070** TestNo: **EPA 8260B** Analysis Date: **4/15/2006** SeqNo: **920518**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	46		50.00		92.4	58	138				
Surr: 4-Bromofluorobenzene	51		50.00		103	74	130				
Surr: Dibromofluoromethane	47		50.00		93.9	58	135				
Surr: Toluene-d8	51		50.00		103	84	130				

Sample ID: **083799-003A** SampType: **DUP** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **62217**
Client ID: **NM03-B5-6.0** Batch ID: **P06VS070** TestNo: **EPA 8260B** Analysis Date: **4/15/2006** SeqNo: **920520**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0						0	0	30	
1,1,1-Trichloroethane	ND	5.0						0	0	30	
1,1,2,2-Tetrachloroethane	ND	5.0						0	0	30	
1,1,2-Trichloroethane	ND	5.0						0	0	30	
1,1-Dichloroethane	ND	5.0						0	0	30	
1,1-Dichloroethene	ND	5.0						0	0	30	
1,1-Dichloropropene	ND	5.0						0	0	30	
1,2,3-Trichlorobenzene	ND	5.0						0	0	30	
1,2,3-Trichloropropane	ND	5.0						0	0	30	
1,2,4-Trichlorobenzene	ND	5.0						0	0	30	
1,2,4-Trimethylbenzene	ND	5.0						0	0	30	
1,2-Dibromo-3-chloropropane	ND	10						0	0	30	
1,2-Dibromoethane	ND	5.0						0	0	30	
1,2-Dichlorobenzene	ND	5.0						0	0	30	
1,2-Dichloroethane	ND	5.0						0	0	30	
1,2-Dichloropropane	ND	5.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Work Order: 083799
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **083799-003A** SampType: **DUP** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **62217**
Client ID: **NM03-B5-6.0** Batch ID: **P06VS070** TestNo: **EPA 8260B** Analysis Date: **4/15/2006** SeqNo: **920520**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trimethylbenzene	ND	5.0						0	0	30	
1,3-Dichlorobenzene	ND	5.0						0	0	30	
1,3-Dichloropropane	ND	5.0						0	0	30	
1,4-Dichlorobenzene	ND	5.0						0	0	30	
2,2-Dichloropropane	ND	5.0						0	0	30	
2-Butanone	ND	50						0	0	30	
2-Chloroethyl vinyl ether	ND	5.0						0	0	30	
2-Chlorotoluene	ND	5.0						0	0	30	
2-Hexanone	ND	50						0	0	30	
4-Chlorotoluene	ND	5.0						0	0	30	
4-Isopropyltoluene	ND	5.0						0	0	30	
4-Methyl-2-pentanone	ND	50						0	0	30	
Acetone	ND	50						0	0	30	
Acrolein	ND	50						0	0	30	
Acrylonitrile	ND	50						0	0	30	
Benzene	ND	5.0						0	0	30	
Bromobenzene	ND	5.0						0	0	30	
Bromochloromethane	ND	5.0						0	0	30	
Bromodichloromethane	ND	5.0						0	0	30	
Bromoform	ND	5.0						0	0	30	
Bromomethane	ND	5.0						0	0	30	
Carbon disulfide	ND	5.0						0	0	30	
Carbon tetrachloride	ND	5.0						0	0	30	
Chlorobenzene	ND	5.0						0	0	30	
Chloroethane	ND	5.0						0	0	30	
Chloroform	ND	5.0						0	0	30	
Chloromethane	ND	5.0						0	0	30	
cis-1,2-Dichloroethene	ND	5.0						0	0	30	
cis-1,3-Dichloropropene	ND	5.0						0	0	30	
Cyclohexanone	ND	50						0	0	30	
Di-isopropyl ether	ND	5.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **083799-003A** SampType: **DUP** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **62217**
Client ID: **NM03-B5-6.0** Batch ID: **P06VS070** TestNo: **EPA 8260B** Analysis Date: **4/15/2006** SeqNo: **920520**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	ND	5.0						0	0	30	
Dibromomethane	ND	5.0						0	0	30	
Dichlorodifluoromethane	ND	5.0						0	0	30	
Ethyl Acetate	ND	50						0	0	30	
Ethyl Ether	ND	50						0	0	30	
Ethyl Tert-butyl ether	ND	5.0						0	0	30	
Ethylbenzene	ND	5.0						0	0	30	
Freon-113	ND	5.0						0	0	30	
Hexachlorobutadiene	ND	5.0						0	0	30	
Iodomethane	ND	5.0						0	0	30	
Isopropylbenzene	ND	5.0						0	0	30	
m,p-Xylene	ND	10						0	0	30	
Methylene chloride	ND	5.0						0	0	30	
MTBE	ND	5.0						0	0	30	
n-Butylbenzene	ND	5.0						0	0	30	
n-Propylbenzene	ND	5.0						0	0	30	
Naphthalene	ND	5.0						0	0	30	
o-Xylene	ND	5.0						0	0	30	
sec-Butylbenzene	ND	5.0						0	0	30	
Styrene	ND	5.0						0	0	30	
Tert-amyl methyl ether	ND	5.0						0	0	30	
Tert-Butanol	ND	100						0	0	30	
tert-Butylbenzene	ND	5.0						0	0	30	
Tetrachloroethene	ND	5.0						0	0	30	
Toluene	ND	5.0						0	0	30	
trans-1,2-Dichloroethene	ND	5.0						0	0	30	
trans-1,3-Dichloropropene	ND	5.0						0	0	30	
Trichloroethene	ND	5.0						0	0	30	
Trichlorofluoromethane	ND	5.0						0	0	30	
Vinyl acetate	ND	50						0	0	30	
Vinyl chloride	ND	5.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Work Order: 083799
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **083799-003A** SampType: **DUP** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **62217**
Client ID: **NM03-B5-6.0** Batch ID: **P06VS070** TestNo: **EPA 8260B** Analysis Date: **4/15/2006** SeqNo: **920520**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Xylenes, Total	ND	15						0	0	30	
Surr: 1,2-Dichloroethane-d4	48		50.00		95.7	58	138		0	30	
Surr: 4-Bromofluorobenzene	52		50.00		104	74	130		0	30	
Surr: Dibromofluoromethane	48		50.00		96.4	58	135		0	30	
Surr: Toluene-d8	51		50.00		102	84	130		0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083799
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **A041706LC1** SampType: **LCS** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **62316**
Client ID: **LCSW** Batch ID: **A06VW097** TestNo: **EPA 8260B** Analysis Date: **4/17/2006** SeqNo: **922184**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	23	5.0	20.00	0	116	76	132				
Benzene	21	5.0	20.00	0	107	90	123				
Chlorobenzene	22	5.0	20.00	0	108	76	118				
Toluene	21	5.0	20.00	0	104	91	124				
Trichloroethene	22	5.0	20.00	0	110	87	125				
Surr: 1,2-Dichloroethane-d4	22		25.00		88.2	70	126				
Surr: 4-Bromofluorobenzene	25		25.00		100	63	134				
Surr: Dibromofluoromethane	22		25.00		89.1	73	124				
Surr: Toluene-d8	23		25.00		92.8	84	123				

Sample ID: **A041706MB4MS** SampType: **MS** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **62316**
Client ID: **ZZZZZZ** Batch ID: **A06VW097** TestNo: **EPA 8260B** Analysis Date: **4/17/2006** SeqNo: **922185**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	22	5.0	20.00	0	112	76	132				
Benzene	21	5.0	20.00	0	107	90	123				
Chlorobenzene	21	5.0	20.00	0	105	76	118				
Toluene	21	5.0	20.00	0	104	91	124				
Trichloroethene	22	5.0	20.00	0	108	87	125				
Surr: 1,2-Dichloroethane-d4	22		25.00		89.1	70	126				
Surr: 4-Bromofluorobenzene	25		25.00		99.8	63	134				
Surr: Dibromofluoromethane	22		25.00		89.0	73	124				
Surr: Toluene-d8	23		25.00		94.0	84	123				

Sample ID: **A041706MB4MSD** SampType: **MSD** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **62316**
Client ID: **ZZZZZZ** Batch ID: **A06VW097** TestNo: **EPA 8260B** Analysis Date: **4/17/2006** SeqNo: **922186**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	22	5.0	20.00	0	112	76	132	22.38	0.0447	30	
Benzene	21	5.0	20.00	0	107	90	123	21.38	0.187	30	
Chlorobenzene	21	5.0	20.00	0	107	76	118	21.00	2.31	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Work Order: 083799
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **A041706MB4MSD** SampType: **MSD** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **62316**
Client ID: **ZZZZZZ** Batch ID: **A06VW097** TestNo: **EPA 8260B** Analysis Date: **4/17/2006** SeqNo: **922186**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	21	5.0	20.00	0	104	91	124	20.80	0.192	30	
Trichloroethene	22	5.0	20.00	0	110	87	125	21.70	1.24	30	
Surr: 1,2-Dichloroethane-d4	22		25.00		89.3	70	126		0	30	
Surr: 4-Bromofluorobenzene	25		25.00		101	63	134		0	30	
Surr: Dibromofluoromethane	22		25.00		88.7	73	124		0	30	
Surr: Toluene-d8	23		25.00		92.6	84	123		0	30	

Sample ID: **A041706MB4** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **62316**
Client ID: **PBW** Batch ID: **A06VW097** TestNo: **EPA 8260B** Analysis Date: **4/17/2006** SeqNo: **922187**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	5.0									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083799
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **A041706MB4** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **62316**
Client ID: **PBW** Batch ID: **A06VW097** TestNo: **EPA 8260B** Analysis Date: **4/17/2006** SeqNo: **922187**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
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Work Order: 083799
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **A041706MB4** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **62316**
Client ID: **PBW** Batch ID: **A06VW097** TestNo: **EPA 8260B** Analysis Date: **4/17/2006** SeqNo: **922187**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	22		25.00		88.6	70	126				
Surr: 4-Bromofluorobenzene	27		25.00		106	63	134				
Surr: Dibromofluoromethane	22		25.00		89.1	73	124				
Surr: Toluene-d8	23		25.00		93.0	84	123				

Sample ID: **083799-008ADUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **62316**
Client ID: **NM03-B5-GW** Batch ID: **A06VW097** TestNo: **EPA 8260B** Analysis Date: **4/17/2006** SeqNo: **922191**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0						0	0	30	
1,1,1-Trichloroethane	ND	5.0						0	0	30	
1,1,2,2-Tetrachloroethane	ND	5.0						0	0	30	
1,1,2-Trichloroethane	ND	5.0						0	0	30	
1,1-Dichloroethane	ND	5.0						0	0	30	
1,1-Dichloroethene	ND	5.0						0	0	30	
1,1-Dichloropropene	ND	5.0						0	0	30	
1,2,3-Trichlorobenzene	ND	5.0						0	0	30	
1,2,3-Trichloropropane	ND	5.0						0	0	30	
1,2,4-Trichlorobenzene	ND	5.0						0	0	30	
1,2,4-Trimethylbenzene	ND	5.0						0	0	30	
1,2-Dibromo-3-chloropropane	ND	5.0						0	0	30	
1,2-Dibromoethane	ND	5.0						0	0	30	
1,2-Dichlorobenzene	ND	5.0						0	0	30	
1,2-Dichloroethane	ND	5.0						0	0	30	
1,2-Dichloropropane	ND	5.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083799
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **083799-008ADUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **62316**
Client ID: **NM03-B5-GW** Batch ID: **A06VW097** TestNo: **EPA 8260B** Analysis Date: **4/17/2006** SeqNo: **922191**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trimethylbenzene	ND	5.0						0	0	30	
1,3-Dichlorobenzene	ND	5.0						0	0	30	
1,3-Dichloropropane	ND	5.0						0	0	30	
1,4-Dichlorobenzene	ND	5.0						0	0	30	
2,2-Dichloropropane	ND	5.0						0	0	30	
2-Butanone	ND	50						0	0	30	
2-Chloroethyl vinyl ether	ND	5.0						0	0	30	
2-Chlorotoluene	ND	5.0						0	0	30	
2-Hexanone	ND	50						0	0	30	
4-Chlorotoluene	ND	5.0						0	0	30	
4-Isopropyltoluene	ND	5.0						0	0	30	
4-Methyl-2-pentanone	ND	50						0	0	30	
Acetone	ND	50						0	0	30	
Acrolein	ND	50						0	0	30	
Acrylonitrile	ND	50						0	0	30	
Benzene	ND	5.0						0	0	30	
Bromobenzene	ND	5.0						0	0	30	
Bromochloromethane	ND	5.0						0	0	30	
Bromodichloromethane	ND	5.0						0	0	30	
Bromoform	ND	5.0						0	0	30	
Bromomethane	ND	5.0						0	0	30	
Carbon disulfide	ND	5.0						0	0	30	
Carbon tetrachloride	ND	5.0						0	0	30	
Chlorobenzene	ND	5.0						0	0	30	
Chloroethane	ND	5.0						0	0	30	
Chloroform	ND	5.0						0	0	30	
Chloromethane	ND	5.0						0	0	30	
cis-1,2-Dichloroethene	ND	5.0						0	0	30	
cis-1,3-Dichloropropene	ND	5.0						0	0	30	
Cyclohexanone	ND	50						0	0	30	
Di-isopropyl ether	ND	5.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083799
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **083799-008ADUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **62316**
Client ID: **NM03-B5-GW** Batch ID: **A06VW097** TestNo: **EPA 8260B** Analysis Date: **4/17/2006** SeqNo: **922191**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	ND	5.0						0	0	30	
Dibromomethane	ND	5.0						0	0	30	
Dichlorodifluoromethane	ND	5.0						0	0	30	
Ethyl Acetate	ND	50						0	0	30	
Ethyl Ether	ND	50						0	0	30	
Ethyl tert-butyl ether	ND	5.0						0	0	30	
Ethylbenzene	ND	5.0						0	0	30	
Freon-113	ND	5.0						0	0	30	
Hexachlorobutadiene	ND	5.0						0	0	30	
Iodomethane	ND	5.0						0	0	30	
Isopropylbenzene	ND	5.0						4.550	0	30	
m,p-Xylene	ND	10						0	0	30	
Methylene chloride	ND	5.0						0	0	30	
MTBE	67	5.0						69.76	3.87	30	
n-Butylbenzene	ND	5.0						0	0	30	
n-Propylbenzene	7.1	5.0						7.520	5.75	30	
Naphthalene	ND	5.0						0	0	30	
o-Xylene	ND	5.0						0	0	30	
sec-Butylbenzene	ND	5.0						0	0	30	
Styrene	ND	5.0						0	0	30	
Tert-amyl methyl ether	ND	5.0						0	0	30	
Tert-Butanol	ND	100						17.65	0	30	
tert-Butylbenzene	ND	5.0						0	0	30	
Tetrachloroethene	ND	5.0						0	0	30	
Toluene	ND	5.0						0	0	30	
trans-1,2-Dichloroethene	ND	5.0						0	0	30	
trans-1,3-Dichloropropene	ND	5.0						0	0	30	
Trichloroethene	ND	5.0						0	0	30	
Trichlorofluoromethane	ND	5.0						0	0	30	
Vinyl acetate	ND	50						0	0	30	
Vinyl chloride	ND	5.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Work Order: 083799
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **083799-008ADUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **62316**
Client ID: **NM03-B5-GW** Batch ID: **A06VW097** TestNo: **EPA 8260B** Analysis Date: **4/17/2006** SeqNo: **922191**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Xylenes, Total	ND	15						0	0	30	
Surr: 1,2-Dichloroethane-d4	22		25.00		89.0	70	126		0	30	
Surr: 4-Bromofluorobenzene	26		25.00		104	63	134		0	30	
Surr: Dibromofluoromethane	22		25.00		89.0	73	124		0	30	
Surr: Toluene-d8	23		25.00		93.0	84	123		0	30	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interferenc	DO	Surrogate Diluted Out
	Calculations are based on raw values				

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Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-27655** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/18/2006** RunNo: **62330**
Client ID: **PBS** Batch ID: **27655** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/18/2006** SeqNo: **922403**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	330									
1,2-Dichlorobenzene	ND	330									
1,3-Dichlorobenzene	ND	330									
1,4-Dichlorobenzene	ND	330									
2,4,5-Trichlorophenol	ND	330									
2,4,6-Trichlorophenol	ND	330									
2,4-Dichlorophenol	ND	1600									
2,4-Dimethylphenol	ND	330									
2,4-Dinitrophenol	ND	1600									
2,4-Dinitrotoluene	ND	330									
2,6-Dinitrotoluene	ND	330									
2-Chloronaphthalene	ND	330									
2-Chlorophenol	ND	330									
2-Methylnaphthalene	ND	330									
2-Methylphenol	ND	330									
2-Nitroaniline	ND	1600									
2-Nitrophenol	ND	330									
3,3´-Dichlorobenzidine	ND	660									
3-Nitroaniline	ND	1600									
4,6-Dinitro-2-methylphenol	ND	1600									
4-Bromophenyl-phenylether	ND	330									
4-Chloro-3-methylphenol	ND	660									
4-Chloroaniline	ND	660									
4-Chlorophenyl-phenylether	ND	330									
4-Methylphenol	ND	330									
4-Nitroaniline	ND	1600									
4-Nitrophenol	ND	1600									
Acenaphthene	ND	330									
Acenaphthylene	ND	330									
Anthracene	ND	330									
Benzidine (M)	ND	1600									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
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ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-27655** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/18/2006** RunNo: **62330**
Client ID: **PBS** Batch ID: **27655** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/18/2006** SeqNo: **922403**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)anthracene	ND	330									
Benzo(a)pyrene	ND	330									
Benzo(b)fluoranthene	ND	330									
Benzo(g,h,i)perylene	ND	330									
Benzo(k)fluoranthene	ND	330									
Benzoic acid	ND	1600									
Benzyl alcohol	ND	660									
Bis(2-chloroethoxy)methane	ND	330									
Bis(2-chloroethyl)ether	ND	330									
Bis(2-chloroisopropyl)ether	ND	330									
Bis(2-ethylhexyl)phthalate	ND	330									
Butylbenzylphthalate	ND	330									
Chrysene	ND	330									
Di-n-butylphthalate	ND	330									
Di-n-octylphthalate	ND	330									
Dibenz(a,h)anthracene	ND	330									
Dibenzofuran	ND	330									
Diethylphthalate	ND	330									
Dimethylphthalate	ND	330									
Fluoranthene	ND	330									
Fluorene	ND	330									
Hexachlorobenzene	ND	330									
Hexachlorobutadiene	ND	660									
Hexachlorocyclopentadiene	ND	660									
Hexachloroethane	ND	330									
Indeno(1,2,3-cd)pyrene	ND	330									
Isophorone	ND	330									
N-Nitrosodi-n-propylamine	ND	330									
N-Nitrosodiphenylamine	ND	330									
Naphthalene	ND	330									
Nitrobenzene	ND	330									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-27655** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/18/2006** RunNo: **62330**
Client ID: **PBS** Batch ID: **27655** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/18/2006** SeqNo: **922403**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	ND	1600									
Phenanthrene	ND	330									
Phenol	ND	330									
Pyrene	ND	330									
Surr: 1,2-Dichlorobenzene-d4	2400		3330		73.5	46	105				
Surr: 2,4,6-Tribromophenol	3300		3330		98.3	46	146				
Surr: 2-Chlorophenol-d4	2800		3330		85.6	48	117				
Surr: 2-Fluorobiphenyl	3100		3330		91.8	54	112				
Surr: 2-Fluorophenol	2800		3330		84.4	45	119				
Surr: 4-Terphenyl-d14	3100		3330		92.8	46	135				
Surr: Nitrobenzene-d5	3100		3330		91.8	40	116				
Surr: Phenol-d5	3100		3330		92.3	37	127				

Sample ID: **LCS-27655** SampType: **LCS** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/18/2006** RunNo: **62330**
Client ID: **LCSS** Batch ID: **27655** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/18/2006** SeqNo: **922404**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2900	330	3330	0	87.7	58	117				
1,4-Dichlorobenzene	2700	330	3330	0	81.1	56	100				
2,4-Dinitrotoluene	4000	330	3330	0	121	71	135				
2-Chlorophenol	3100	330	3330	0	91.6	66	107				
4-Chloro-3-methylphenol	3800	660	3330	0	113	74	128				
4-Nitrophenol	4100	1600	3330	0	122	54	133				
Acenaphthene	3000	330	3330	0	90.3	73	118				
N-Nitrosodi-n-propylamine	3600	330	3330	0	108	67	113				
Pentachlorophenol	4100	1600	3330	0	124	78	127				
Phenol	3400	330	3330	0	101	67	110				
Pyrene	3200	330	3330	0	97.1	74	127				
Surr: 1,2-Dichlorobenzene-d4	2400		3330		73.2	46	105				
Surr: 2,4,6-Tribromophenol	3600		3330		107	46	146				
Surr: 2-Chlorophenol-d4	2900		3330		87.5	48	117				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Work Order: 083799
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **LCS-27655** SampType: **LCS** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/18/2006** RunNo: **62330**
Client ID: **LCSS** Batch ID: **27655** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/18/2006** SeqNo: **922404**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorobiphenyl	3100		3330		92.7	54	112				
Surr: 2-Fluorophenol	2900		3330		86.5	45	119				
Surr: 4-Terphenyl-d14	3100		3330		92.9	46	135				
Surr: Nitrobenzene-d5	3200		3330		95.8	40	116				
Surr: Phenol-d5	3100		3330		94.3	37	127				

Sample ID: **083799-005AMS** SampType: **MS** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/18/2006** RunNo: **62330**
Client ID: **NM03-B5-16.0** Batch ID: **27655** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/18/2006** SeqNo: **922579**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2800	330	3330	0	85.2	45	126				
1,4-Dichlorobenzene	2600	330	3330	0	76.7	41	110				
2,4-Dinitrotoluene	3800	330	3330	0	115	57	139				
2-Chlorophenol	3000	330	3330	0	88.8	52	117				
4-Chloro-3-methylphenol	3600	660	3330	0	108	63	135				
4-Nitrophenol	3800	1600	3330	0	115	48	137				
Acenaphthene	2900	330	3330	0	86.0	59	129				
N-Nitrosodi-n-propylamine	3500	330	3330	0	105	41	135				
Pentachlorophenol	4000	1600	3330	0	119	55	146				
Phenol	3200	330	3330	0	97.5	51	122				
Pyrene	3100	330	3330	0	93.9	58	138				
Surr: 1,2-Dichlorobenzene-d4	2300		3330		68.5	46	105				
Surr: 2,4,6-Tribromophenol	3300		3330		98.6	46	146				
Surr: 2-Chlorophenol-d4	2800		3330		82.7	48	117				
Surr: 2-Fluorobiphenyl	2900		3330		87.3	54	112				
Surr: 2-Fluorophenol	2700		3330		80.7	45	119				
Surr: 4-Terphenyl-d14	2900		3330		87.2	46	135				
Surr: Nitrobenzene-d5	3000		3330		90.8	40	116				
Surr: Phenol-d5	3000		3330		88.6	37	127				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **083799-005AMSD** SampType: **MSD** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/18/2006** RunNo: **62330**
Client ID: **NM03-B5-16.0** Batch ID: **27655** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/18/2006** SeqNo: **922580**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2900	330	3330	0	87.7	45	126	2837	2.89	30	
1,4-Dichlorobenzene	2700	330	3330	0	80.4	41	110	2555	4.65	30	
2,4-Dinitrotoluene	4000	330	3330	0	120	57	139	3821	4.23	30	
2-Chlorophenol	3000	330	3330	0	91.2	52	117	2958	2.58	30	
4-Chloro-3-methylphenol	3700	660	3330	0	110	63	135	3594	1.95	30	
4-Nitrophenol	4000	1600	3330	0	119	48	137	3835	3.57	30	
Acenaphthene	3000	330	3330	0	89.3	59	129	2865	3.77	30	
N-Nitrosodi-n-propylamine	3500	330	3330	0	106	41	135	3484	1.02	30	
Pentachlorophenol	4100	1600	3330	0	122	55	146	3964	2.52	30	
Phenol	3400	330	3330	0	101	51	122	3248	3.16	30	
Pyrene	3200	330	3330	0	97.0	58	138	3127	3.21	30	
Surr: 1,2-Dichlorobenzene-d4	2400		3330		71.1	46	105		0	30	
Surr: 2,4,6-Tribromophenol	3400		3330		103	46	146		0	30	
Surr: 2-Chlorophenol-d4	2800		3330		85.0	48	117		0	30	
Surr: 2-Fluorobiphenyl	3000		3330		89.9	54	112		0	30	
Surr: 2-Fluorophenol	2800		3330		84.2	45	119		0	30	
Surr: 4-Terphenyl-d14	2900		3330		88.1	46	135		0	30	
Surr: Nitrobenzene-d5	3100		3330		92.3	40	116		0	30	
Surr: Phenol-d5	3000		3330		91.0	37	127		0	30	

Sample ID: **083799-004ADUP** SampType: **DUP** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/18/2006** RunNo: **62330**
Client ID: **NM03-B5-11.0** Batch ID: **27655** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/18/2006** SeqNo: **922582**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	330						0	0	30	
1,2-Dichlorobenzene	ND	330						0	0	30	
1,2-Diphenylhydrazine	ND	330						0	0	30	
1,3-Dichlorobenzene	ND	330						0	0	30	
1,4-Dichlorobenzene	ND	330						0	0	30	
1,4-Dioxane	ND	330						0	0	0	
2,4,5-Trichlorophenol	ND	330						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **083799-004ADUP** SampType: **DUP** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/18/2006** RunNo: **62330**
Client ID: **NM03-B5-11.0** Batch ID: **27655** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/18/2006** SeqNo: **922582**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,6-Trichlorophenol	ND	330						0	0	30	
2,4-Dichlorophenol	ND	1600						0	0	30	
2,4-Dimethylphenol	ND	330						0	0	30	
2,4-Dinitrophenol	ND	1600						0	0	30	
2,4-Dinitrotoluene	ND	330						0	0	30	
2,6-Dinitrotoluene	ND	330						0	0	30	
2-Chloronaphthalene	ND	330						0	0	30	
2-Chlorophenol	ND	330						0	0	30	
2-Methylnaphthalene	ND	330						0	0	30	
2-Methylphenol	ND	330						0	0	30	
2-Nitroaniline	ND	1600						0	0	30	
2-Nitrophenol	ND	330						0	0	30	
3,3´-Dichlorobenzidine	ND	660						0	0	30	
3-Nitroaniline	ND	1600						0	0	30	
4,6-Dinitro-2-methylphenol	ND	1600						0	0	30	
4-Bromophenyl-phenylether	ND	330						0	0	30	
4-Chloro-3-methylphenol	ND	660						0	0	30	
4-Chloroaniline	ND	660						0	0	30	
4-Chlorophenyl-phenylether	ND	330						0	0	30	
3/4-Methylphenol	ND	330						0	0	0	
4-Methylphenol	ND	330						0	0	30	
4-Nitroaniline	ND	1600						0	0	30	
4-Nitrophenol	ND	1600						0	0	30	
Acenaphthene	ND	330						0	0	30	
Acenaphthylene	ND	330						0	0	30	
Aniline	ND	330						0	0	30	
Anthracene	ND	330						0	0	30	
Benzidine (M)	ND	1600						0	0	30	
Benzo(a)anthracene	ND	330						0	0	30	
Benzo(a)pyrene	ND	330						0	0	30	
Benzo(b)fluoranthene	ND	330						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083799
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **083799-004ADUP** SampType: **DUP** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/18/2006** RunNo: **62330**
Client ID: **NM03-B5-11.0** Batch ID: **27655** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/18/2006** SeqNo: **922582**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(g,h,i)perylene	ND	330						0	0	30	
Benzo(k)fluoranthene	ND	330						0	0	30	
Benzoic acid	ND	1600						0	0	30	
Benzyl alcohol	ND	660						0	0	30	
Bis(2-chloroethoxy)methane	ND	330						0	0	30	
Bis(2-chloroethyl)ether	ND	330						0	0	30	
Bis(2-chloroisopropyl)ether	ND	330						0	0	30	
Bis(2-ethylhexyl)phthalate	ND	330						0	0	30	
Butylbenzylphthalate	ND	330						0	0	30	
Carbazole	ND	330						0	0	30	
Chrysene	ND	330						0	0	30	
Di-n-butylphthalate	ND	330						0	0	30	
Di-n-octylphthalate	ND	330						0	0	30	
Dibenz(a,h)anthracene	ND	330						0	0	30	
Dibenzofuran	ND	330						0	0	30	
Diethylphthalate	ND	330						0	0	30	
Dimethylphthalate	ND	330						0	0	30	
Fluoranthene	ND	330						0	0	30	
Fluorene	ND	330						0	0	30	
Hexachlorobenzene	ND	330						0	0	30	
Hexachlorobutadiene	ND	660						0	0	30	
Hexachlorocyclopentadiene	ND	660						0	0	30	
Hexachloroethane	ND	330						0	0	30	
Indeno(1,2,3-cd)pyrene	ND	330						0	0	30	
Isophorone	ND	330						0	0	30	
N-Nitrosodi-n-propylamine	ND	330						0	0	30	
N-Nitrosodimethylamine	ND	330						0	0	30	
N-Nitrosodiphenylamine	ND	330						0	0	30	
Naphthalene	ND	330						0	0	30	
Nitrobenzene	ND	330						0	0	30	
Pentachlorophenol	ND	1600						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Work Order: 083799
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **083799-004ADUP** SampType: **DUP** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/18/2006** RunNo: **62330**
Client ID: **NM03-B5-11.0** Batch ID: **27655** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/18/2006** SeqNo: **922582**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenanthrene	ND	330						0	0	30	
Phenol	ND	330						0	0	30	
Pyrene	ND	330						0	0	30	
Pyridine	ND	1600						0	0	30	
Surr: 1,2-Dichlorobenzene-d4	2400		3330		71.7	46	105		0	0	
Surr: 2,4,6-Tribromophenol	3400		3330		101	46	146		0	0	
Surr: 2-Chlorophenol-d4	2900		3330		85.8	48	117		0	0	
Surr: 2-Fluorobiphenyl	2900		3330		87.8	54	112		0	0	
Surr: 2-Fluorophenol	2800		3330		84.5	45	119		0	0	
Surr: 4-Terphenyl-d14	2900		3330		87.1	46	135		0	0	
Surr: Nitrobenzene-d5	3000		3330		90.6	40	116		0	0	
Surr: Phenol-d5	3100		3330		92.6	37	127		0	0	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **MB-27610** SampType: **MBLK** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/14/2006** RunNo: **62179**
Client ID: **PBW** Batch ID: **27610** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/14/2006** SeqNo: **919924**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	10									
1,2-Dichlorobenzene	ND	10									
1,3-Dichlorobenzene	ND	10									
1,4-Dichlorobenzene	ND	10									
2,4,5-Trichlorophenol	ND	10									
2,4,6-Trichlorophenol	ND	10									
2,4-Dichlorophenol	ND	10									
2,4-Dimethylphenol	ND	10									
2,4-Dinitrophenol	ND	50									
2,4-Dinitrotoluene	ND	10									
2,6-Dinitrotoluene	ND	10									
2-Chloronaphthalene	ND	10									
2-Chlorophenol	ND	10									
2-Methylnaphthalene	ND	10									
2-Methylphenol	ND	10									
2-Nitroaniline	ND	50									
2-Nitrophenol	ND	10									
3,3´-Dichlorobenzidine	ND	20									
3-Nitroaniline	ND	50									
4,6-Dinitro-2-methylphenol	ND	50									
4-Bromophenyl-phenylether	ND	10									
4-Chloro-3-methylphenol	ND	50									
4-Chloroaniline	ND	20									
4-Chlorophenyl-phenylether	ND	10									
4-Methylphenol	ND	10									
4-Nitroaniline	ND	20									
4-Nitrophenol	ND	50									
Acenaphthene	ND	10									
Acenaphthylene	ND	10									
Anthracene	ND	10									
Benzidine (M)	ND	50									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **MB-27610** SampType: **MBLK** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/14/2006** RunNo: **62179**
Client ID: **PBW** Batch ID: **27610** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/14/2006** SeqNo: **919924**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)anthracene	ND	10									
Benzo(a)pyrene	ND	10									
Benzo(b)fluoranthene	ND	10									
Benzo(g,h,i)perylene	ND	10									
Benzo(k)fluoranthene	ND	10									
Benzoic acid	ND	50									
Benzyl alcohol	ND	20									
Bis(2-chloroethoxy)methane	ND	10									
Bis(2-chloroethyl)ether	ND	10									
Bis(2-chloroisopropyl)ether	ND	10									
Bis(2-ethylhexyl)phthalate	ND	10									
Butylbenzylphthalate	ND	10									
Chrysene	ND	10									
Di-n-butylphthalate	ND	10									
Di-n-octylphthalate	ND	10									
Dibenz(a,h)anthracene	ND	10									
Dibenzofuran	ND	10									
Diethylphthalate	ND	10									
Dimethylphthalate	ND	10									
Fluoranthene	ND	10									
Fluorene	ND	10									
Hexachlorobenzene	ND	10									
Hexachlorobutadiene	ND	20									
Hexachlorocyclopentadiene	ND	10									
Hexachloroethane	ND	10									
Indeno(1,2,3-cd)pyrene	ND	10									
Isophorone	ND	10									
N-Nitrosodi-n-propylamine	ND	10									
N-Nitrosodiphenylamine	ND	10									
Naphthalene	ND	10									
Nitrobenzene	ND	10									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083799
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ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **MB-27610** SampType: **MBLK** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/14/2006** RunNo: **62179**
Client ID: **PBW** Batch ID: **27610** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/14/2006** SeqNo: **919924**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	ND	50									
Phenanthrene	ND	10									
Phenol	ND	10									
Pyrene	ND	10									
Surr: 1,2-Dichlorobenzene-d4	65		100.0		65.1	41	103				
Surr: 2,4,6-Tribromophenol	85		100.0		84.7	55	137				
Surr: 2-Chlorophenol-d4	73		100.0		72.7	34	117				
Surr: 2-Fluorobiphenyl	81		100.0		81.5	49	114				
Surr: 2-Fluorophenol	54		100.0		54.0	24	74				
Surr: 4-Terphenyl-d14	81		100.0		81.0	42	138				
Surr: Nitrobenzene-d5	83		100.0		83.3	47	115				
Surr: Phenol-d5	41		100.0		41.4	16	63				

Sample ID: **LCS-27610** SampType: **LCS** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/14/2006** RunNo: **62179**
Client ID: **LCSW** Batch ID: **27610** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/14/2006** SeqNo: **919925**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	73	10	100.0	0	72.5	60	120				
1,4-Dichlorobenzene	69	10	100.0	0	69.0	56	103				
2,4-Dinitrotoluene	100	10	100.0	0	101	71	136				
2-Chlorophenol	71	10	100.0	0	71.2	59	107				
4-Chloro-3-methylphenol	87	50	100.0	0	87.3	72	126				
4-Nitrophenol	60	50	100.0	0	59.6	30	88				
Acenaphthene	72	10	100.0	0	72.3	72	119				
N-Nitrosodi-n-propylamine	87	10	100.0	0	87.4	65	120				
Pentachlorophenol	99	50	100.0	0	99.3	78	122				
Phenol	44	10	100.0	0	44.0	35	66				
Pyrene	89	10	100.0	0	89.1	73	127				
Surr: 1,2-Dichlorobenzene-d4	61		100.0		61.0	41	103				
Surr: 2,4,6-Tribromophenol	97		100.0		96.9	55	137				
Surr: 2-Chlorophenol-d4	75		100.0		75.4	34	117				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 083799
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **LCS-27610** SampType: **LCS** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/14/2006** RunNo: **62179**
Client ID: **LCSW** Batch ID: **27610** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/14/2006** SeqNo: **919925**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorobiphenyl	77		100.0		77.1	49	114				
Surr: 2-Fluorophenol	55		100.0		55.3	24	74				
Surr: 4-Terphenyl-d14	82		100.0		82.0	42	138				
Surr: Nitrobenzene-d5	84		100.0		84.3	47	115				
Surr: Phenol-d5	44		100.0		43.8	16	63				

Sample ID: **MB-27610MS** SampType: **MS** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/14/2006** RunNo: **62179**
Client ID: **ZZZZZZ** Batch ID: **27610** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/14/2006** SeqNo: **920046**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	73	10	100.0	0	73.1	60	120				
1,4-Dichlorobenzene	69	10	100.0	0	68.6	56	103				
2,4-Dinitrotoluene	98	10	100.0	0	98.0	71	136				
2-Chlorophenol	72	10	100.0	0	72.2	59	107				
4-Chloro-3-methylphenol	86	50	100.0	0	86.4	72	126				
4-Nitrophenol	58	50	100.0	0	58.5	30	88				
Acenaphthene	73	10	100.0	0	72.8	72	119				
N-Nitrosodi-n-propylamine	88	10	100.0	0	87.9	65	120				
Pentachlorophenol	98	50	100.0	0	97.9	78	122				
Phenol	45	10	100.0	0	44.8	35	66				
Pyrene	86	10	100.0	0	86.1	73	127				
Surr: 1,2-Dichlorobenzene-d4	56		100.0		55.6	41	103				
Surr: 2,4,6-Tribromophenol	90		100.0		89.8	55	137				
Surr: 2-Chlorophenol-d4	72		100.0		72.4	34	117				
Surr: 2-Fluorobiphenyl	72		100.0		71.7	49	114				
Surr: 2-Fluorophenol	54		100.0		53.6	24	74				
Surr: 4-Terphenyl-d14	78		100.0		77.6	42	138				
Surr: Nitrobenzene-d5	81		100.0		81.1	47	115				
Surr: Phenol-d5	42		100.0		42.4	16	63				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 083799
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **MB-27610MSD** SampType: **MSD** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/14/2006** RunNo: **62179**
Client ID: **ZZZZZZ** Batch ID: **27610** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/14/2006** SeqNo: **920047**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	78	10	100.0	0	78.0	60	120	73.11	6.54	30	
1,4-Dichlorobenzene	74	10	100.0	0	74.2	56	103	68.57	7.95	30	
2,4-Dinitrotoluene	110	10	100.0	0	106	71	136	97.95	7.45	30	
2-Chlorophenol	78	10	100.0	0	77.9	59	107	72.17	7.59	30	
4-Chloro-3-methylphenol	95	50	100.0	0	94.7	72	126	86.38	9.15	30	
4-Nitrophenol	66	50	100.0	0	65.7	30	88	58.49	11.6	30	
Acenaphthene	75	10	100.0	0	75.4	72	119	72.79	3.46	30	
N-Nitrosodi-n-propylamine	98	10	100.0	0	98.2	65	120	87.86	11.2	30	
Pentachlorophenol	100	50	100.0	0	102	78	122	97.86	4.20	30	
Phenol	50	10	100.0	0	49.6	35	66	44.78	10.2	30	
Pyrene	89	10	100.0	0	89.2	73	127	86.11	3.47	30	
Surr: 1,2-Dichlorobenzene-d4	63		100.0		63.4	41	103		0	30	
Surr: 2,4,6-Tribromophenol	96		100.0		95.7	55	137		0	30	
Surr: 2-Chlorophenol-d4	79		100.0		79.2	34	117		0	30	
Surr: 2-Fluorobiphenyl	77		100.0		77.4	49	114		0	30	
Surr: 2-Fluorophenol	60		100.0		59.8	24	74		0	30	
Surr: 4-Terphenyl-d14	88		100.0		88.0	42	138		0	30	
Surr: Nitrobenzene-d5	90		100.0		89.6	47	115		0	30	
Surr: Phenol-d5	48		100.0		47.7	16	63		0	30	

Sample ID: **MB-27610** SampType: **MBLK** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/14/2006** RunNo: **62179**
Client ID: **PBW** Batch ID: **27610** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/17/2006** SeqNo: **920993**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	10									
1,2-Dichlorobenzene	ND	10									
1,3-Dichlorobenzene	ND	10									
1,4-Dichlorobenzene	ND	10									
2,4,5-Trichlorophenol	ND	10									
2,4,6-Trichlorophenol	ND	10									
2,4-Dichlorophenol	ND	10									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
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S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
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Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 083799
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **MB-27610** SampType: **MBLK** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/14/2006** RunNo: **62179**
Client ID: **PBW** Batch ID: **27610** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/17/2006** SeqNo: **920993**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dimethylphenol	ND	10									
2,4-Dinitrophenol	ND	50									
2,4-Dinitrotoluene	ND	10									
2,6-Dinitrotoluene	ND	10									
2-Chloronaphthalene	ND	10									
2-Chlorophenol	ND	10									
2-Methylnaphthalene	ND	10									
2-Methylphenol	ND	10									
2-Nitroaniline	ND	50									
2-Nitrophenol	ND	10									
3,3´-Dichlorobenzidine	ND	20									
3-Nitroaniline	ND	50									
4,6-Dinitro-2-methylphenol	ND	50									
4-Bromophenyl-phenylether	ND	10									
4-Chloro-3-methylphenol	ND	50									
4-Chloroaniline	ND	20									
4-Chlorophenyl-phenylether	ND	10									
4-Methylphenol	ND	10									
4-Nitroaniline	ND	20									
4-Nitrophenol	ND	50									
Acenaphthene	ND	10									
Acenaphthylene	ND	10									
Anthracene	ND	10									
Benzidine (M)	ND	50									
Benzo(a)anthracene	ND	10									
Benzo(a)pyrene	ND	10									
Benzo(b)fluoranthene	ND	10									
Benzo(g,h,i)perylene	ND	10									
Benzo(k)fluoranthene	ND	10									
Benzoic acid	ND	50									
Benzyl alcohol	ND	20									

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CLIENT: Ninyo & Moore
Work Order: 083799
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **MB-27610** SampType: **MBLK** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/14/2006** RunNo: **62179**
Client ID: **PBW** Batch ID: **27610** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/17/2006** SeqNo: **920993**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bis(2-chloroethoxy)methane	ND	10									
Bis(2-chloroethyl)ether	ND	10									
Bis(2-chloroisopropyl)ether	ND	10									
Bis(2-ethylhexyl)phthalate	ND	10									
Butylbenzylphthalate	ND	10									
Chrysene	ND	10									
Di-n-butylphthalate	ND	10									
Di-n-octylphthalate	ND	10									
Dibenz(a,h)anthracene	ND	10									
Dibenzofuran	ND	10									
Diethylphthalate	ND	10									
Dimethylphthalate	ND	10									
Fluoranthene	ND	10									
Fluorene	ND	10									
Hexachlorobenzene	ND	10									
Hexachlorobutadiene	ND	20									
Hexachlorocyclopentadiene	ND	10									
Hexachloroethane	ND	10									
Indeno(1,2,3-cd)pyrene	ND	10									
Isophorone	ND	10									
N-Nitrosodi-n-propylamine	ND	10									
N-Nitrosodiphenylamine	ND	10									
Naphthalene	ND	10									
Nitrobenzene	ND	10									
Pentachlorophenol	ND	50									
Phenanthrene	ND	10									
Phenol	ND	10									
Pyrene	ND	10									
Surr: 1,2-Dichlorobenzene-d4	66		100.0		66.2	41	103				
Surr: 2,4,6-Tribromophenol	89		100.0		89.3	55	137				
Surr: 2-Chlorophenol-d4	75		100.0		74.8	34	117				

Qualifiers:
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CLIENT: Ninyo & Moore
Work Order: 083799
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **MB-27610** SampType: **MBLK** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/14/2006** RunNo: **62179**
Client ID: **PBW** Batch ID: **27610** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/17/2006** SeqNo: **920993**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorobiphenyl	81		100.0		80.7	49	114				
Surr: 2-Fluorophenol	54		100.0		54.4	24	74				
Surr: 4-Terphenyl-d14	89		100.0		88.7	42	138				
Surr: Nitrobenzene-d5	84		100.0		84.3	47	115				
Surr: Phenol-d5	42		100.0		42.2	16	63				

Sample ID: **LCS-27610** SampType: **LCS** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/14/2006** RunNo: **62179**
Client ID: **LCSW** Batch ID: **27610** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/17/2006** SeqNo: **920994**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	83	10	100.0	0	83.1	60	120				
1,4-Dichlorobenzene	78	10	100.0	0	77.6	56	103				
2,4-Dinitrotoluene	110	10	100.0	0	110	71	136				
2-Chlorophenol	79	10	100.0	0	78.8	59	107				
4-Chloro-3-methylphenol	96	50	100.0	0	95.6	72	126				
4-Nitrophenol	63	50	100.0	0	63.3	30	88				
Acenaphthene	84	10	100.0	0	84.3	72	119				
N-Nitrosodi-n-propylamine	96	10	100.0	0	96.4	65	120				
Pentachlorophenol	110	50	100.0	0	113	78	122				
Phenol	48	10	100.0	0	47.8	35	66				
Pyrene	91	10	100.0	0	91.5	73	127				
Surr: 1,2-Dichlorobenzene-d4	67		100.0		66.6	41	103				
Surr: 2,4,6-Tribromophenol	100		100.0		104	55	137				
Surr: 2-Chlorophenol-d4	80		100.0		80.4	34	117				
Surr: 2-Fluorobiphenyl	87		100.0		87.0	49	114				
Surr: 2-Fluorophenol	59		100.0		59.1	24	74				
Surr: 4-Terphenyl-d14	97		100.0		96.9	42	138				
Surr: Nitrobenzene-d5	91		100.0		91.2	47	115				
Surr: Phenol-d5	46		100.0		45.7	16	63				

Qualifiers:
E Value above quantitation range
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ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
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CHAIN OF CUSTODY RECORD

Pg. ___ of ___

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: ____

Logged By: ____ Date: 4/14/06

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other: ____

Sample Condition Upon Receipt:
1. CHILLED Y☑ N☐ 4. SEALED Y☐ N☑
2. HEADSPACE (VOA) Y☑ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☑ N☑

Client: Ninyo & Moore
Attn: Scott Snyder
Address: 5710 Ruffin Rd
City: San Diego State: CA Zip Code: 92123
TEL: (858) 576-1000
FAX: (858) 576-9600

Project Name: I-5 Expansion Project #: 105812001 Sampler: (Printed Name) Matt Fuller (Signature) Matt Fuller

Relinquished by: (Signature and Printed Name)	Date	Time	Received by: (Signature and Printed Name)	Date	Time
Matt Fuller Matt Fuller	4-13-06	5:15p		4-13-06	5:15p
	4-13-06	8:45p		4-13-06	

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: M. Fuller 4-13-06 (Print Name, Date)
Signature: Matt Fuller

Send Report To: Attn: Scott Snyder; Co: Ninyo & Moore; Address: 5710 Ruffin; City: SD State: CA Zip: 92123

Bill To: Attn: same as; Co: previous; Address: ←; City ____ State ____ Zip ____

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested; SPECIFY APPROPRIATE MATRIX

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (SVOCs)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	TOTAL LEAD	BOIS TPH-D	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Type	PRESERVATION	REMARKS
	C83799-01	NM03-B5-1.5	4-13-06	0900									X			X				E	1	J G	C	
	-02	NM03-B5-TRIP		0910			X										X				2	V G	H	
	-03	NM03-B5-6.0		0911			X	X						X		X					1	T M	C	
	-04	NM03-B5-11.0		0925			X	X						X		X					1	T M	C	
	-05	NM03-B5-16.0		0937			X	X						X		X					1	T M	C	
	-06	NM03-B5-21.0		0942												X					1	T M	C	HOLD
	-07	NM03-B5-26.0		1000												X					1	T M	C	HOLD
	-08	NM03-B5-GW		1055			X	X						X				X			8	V G	HC	
	-09	NM03-B5-Equip		1025			X	X						X			X				8	V G	HC	

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr; B= Emergency Next workday; C= Critical 2 Workdays; D= Urgent 3 Workdays; E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

April 21, 2006

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 083765

RE: I-5 EXPANSION, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on April 12, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: *21-Apr-06*

CLIENT: Ninyo & Moore
Project: I-5 EXPANSION, 105812001
Lab Order: 083765
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
083765-001A	NM03-B3-1.0	Soil	4/11/2006	4/12/2006	4/21/2006
083765-002A	NM03-B3-TRIP	Water	4/11/2006	4/12/2006	4/21/2006
083765-004A	NM03-B3-11.0	Soil	4/11/2006	4/12/2006	4/21/2006
083765-005A	NM03-B3-15.5	Soil	4/11/2006	4/12/2006	4/21/2006
083765-006A	NM03-B3-21.0	Soil	4/11/2006	4/12/2006	4/21/2006
083765-009A	NM03-B3-GW	Ground Water	4/11/2006	4/12/2006	4/21/2006
083765-009B	NM03-B3-GW	Ground Water	4/11/2006	4/12/2006	4/21/2006
083765-009C	NM03-B3-GW	Ground Water	4/11/2006	4/12/2006	4/21/2006
083765-009D	NM03-B3-GW	Ground Water	4/11/2006	4/12/2006	4/21/2006
083765-009E	NM03-B3-GW	Ground Water	4/11/2006	4/12/2006	4/21/2006
083765-010A	NM03-B3-Equip	Water	4/11/2006	4/12/2006	4/21/2006
083765-010B	NM03-B3-Equip	Water	4/11/2006	4/12/2006	4/21/2006
083765-010C	NM03-B3-Equip	Water	4/11/2006	4/12/2006	4/21/2006
083765-010D	NM03-B3-Equip	Water	4/11/2006	4/12/2006	4/21/2006
083765-010E	NM03-B3-Equip	Water	4/11/2006	4/12/2006	4/21/2006

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CASE NARRATIVE

Analytical Comments for EPA 6010B

RPD for Sample Duplicate (DUP) is outside criteria for sample 083790-004ADUP, 083791-006ADUP and 083799-001ADUP; however, the Laboratory Control Sample (LCS) validated the analytical batch.

Analytical Comments for EPA 8015B (M)

Samples 083765-004AMSD, 083765-010D and 083765-004AMSD surrogate was outside criteria; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *21-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B3-1.0
Lab Order:	083765	**Collection Date:**	4/11/2006 8:50:00 AM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083765-001	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
LEAD BY ICP						
	EPA 3050M			**EPA 6010B**		
RunID: ICP5_060417I	QC Batch: 27622				PrepDate: 4/17/2006	Analyst: **RQ**
Lead	21	1.0		mg/Kg	1	4/17/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *21-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083765
Project: I-5 EXPANSION, 105812001
Lab ID: 083765-002

Client Sample ID: NM03-B3-TRIP
Collection Date: 4/11/2006 9:00:00 AM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS11_060414A	QC Batch: A06VW095				PrepDate:	Analyst: **HH**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	4/14/2006
1,1,1-Trichloroethane	ND	5.0		µg/L	1	4/14/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	4/14/2006
1,1,2-Trichloroethane	ND	5.0		µg/L	1	4/14/2006
1,1-Dichloroethane	ND	5.0		µg/L	1	4/14/2006
1,1-Dichloroethene	ND	5.0		µg/L	1	4/14/2006
1,1-Dichloropropene	ND	5.0		µg/L	1	4/14/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/L	1	4/14/2006
1,2,3-Trichloropropane	ND	5.0		µg/L	1	4/14/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	4/14/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/L	1	4/14/2006
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	4/14/2006
1,2-Dibromoethane	ND	5.0		µg/L	1	4/14/2006
1,2-Dichlorobenzene	ND	5.0		µg/L	1	4/14/2006
1,2-Dichloroethane	ND	5.0		µg/L	1	4/14/2006
1,2-Dichloropropane	ND	5.0		µg/L	1	4/14/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	4/14/2006
1,3-Dichlorobenzene	ND	5.0		µg/L	1	4/14/2006
1,3-Dichloropropane	ND	5.0		µg/L	1	4/14/2006
1,4-Dichlorobenzene	ND	5.0		µg/L	1	4/14/2006
2,2-Dichloropropane	ND	5.0		µg/L	1	4/14/2006
2-Chlorotoluene	ND	5.0		µg/L	1	4/14/2006
4-Chlorotoluene	ND	5.0		µg/L	1	4/14/2006
4-Isopropyltoluene	ND	5.0		µg/L	1	4/14/2006
Benzene	ND	5.0		µg/L	1	4/14/2006
Bromobenzene	ND	5.0		µg/L	1	4/14/2006
Bromodichloromethane	ND	5.0		µg/L	1	4/14/2006
Bromoform	ND	5.0		µg/L	1	4/14/2006
Bromomethane	ND	5.0		µg/L	1	4/14/2006
Carbon tetrachloride	ND	5.0		µg/L	1	4/14/2006
Chlorobenzene	ND	5.0		µg/L	1	4/14/2006
Chloroethane	ND	5.0		µg/L	1	4/14/2006
Chloroform	ND	5.0		µg/L	1	4/14/2006
Chloromethane	ND	5.0		µg/L	1	4/14/2006
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	4/14/2006
Dibromochloromethane	ND	5.0		µg/L	1	4/14/2006
Dibromomethane	ND	5.0		µg/L	1	4/14/2006
Dichlorodifluoromethane	ND	5.0		µg/L	1	4/14/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *21-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B3-TRIP
Lab Order:	083765	**Collection Date:**	4/11/2006 9:00:00 AM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083765-002	**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS11_060414A	QC Batch:	A06VW095			PrepDate:	Analyst: **HH**
Ethylbenzene	ND	5.0		µg/L	1	4/14/2006
Hexachlorobutadiene	ND	5.0		µg/L	1	4/14/2006
Isopropylbenzene	ND	5.0		µg/L	1	4/14/2006
m,p-Xylene	ND	10		µg/L	1	4/14/2006
Methylene chloride	ND	5.0		µg/L	1	4/14/2006
n-Butylbenzene	ND	5.0		µg/L	1	4/14/2006
n-Propylbenzene	ND	5.0		µg/L	1	4/14/2006
Naphthalene	ND	5.0		µg/L	1	4/14/2006
o-Xylene	ND	5.0		µg/L	1	4/14/2006
sec-Butylbenzene	ND	5.0		µg/L	1	4/14/2006
Styrene	ND	5.0		µg/L	1	4/14/2006
tert-Butylbenzene	ND	5.0		µg/L	1	4/14/2006
Tetrachloroethene	ND	5.0		µg/L	1	4/14/2006
Toluene	ND	5.0		µg/L	1	4/14/2006
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	4/14/2006
Trichloroethene	ND	5.0		µg/L	1	4/14/2006
Trichlorofluoromethane	ND	5.0		µg/L	1	4/14/2006
Vinyl chloride	ND	5.0		µg/L	1	4/14/2006
Surr: 1,2-Dichloroethane-d4	86.0	70-126		%REC	1	4/14/2006
Surr: 4-Bromofluorobenzene	96.6	63-134		%REC	1	4/14/2006
Surr: Dibromofluoromethane	87.8	73-124		%REC	1	4/14/2006
Surr: Toluene-d8	95.2	84-123		%REC	1	4/14/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *21-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083765
Project: I-5 EXPANSION, 105812001
Lab ID: 083765-004

Client Sample ID: NM03-B3-11.0
Collection Date: 4/11/2006 9:18:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP6_060417C	QC Batch: 27631			PrepDate:	4/17/2006	Analyst: **RQ**
Antimony	ND	2.0		mg/Kg	1	4/17/2006
Arsenic	ND	1.0		mg/Kg	1	4/17/2006
Barium	30	1.0		mg/Kg	1	4/17/2006
Beryllium	ND	1.0		mg/Kg	1	4/17/2006
Cadmium	ND	1.0		mg/Kg	1	4/17/2006
Chromium	5.5	1.0		mg/Kg	1	4/17/2006
Cobalt	2.7	1.0		mg/Kg	1	4/17/2006
Copper	2.2	2.0		mg/Kg	1	4/17/2006
Lead	1.1	1.0		mg/Kg	1	4/17/2006
Molybdenum	ND	1.0		mg/Kg	1	4/17/2006
Nickel	2.5	1.0		mg/Kg	1	4/17/2006
Selenium	ND	1.0		mg/Kg	1	4/17/2006
Silver	ND	1.0		mg/Kg	1	4/17/2006
Thallium	ND	1.0		mg/Kg	1	4/17/2006
Vanadium	12	1.0		mg/Kg	1	4/17/2006
Zinc	8.5	1.0		mg/Kg	1	4/17/2006
DIESEL RANGE ORGANICS BY GC/FID						
	LUFT			**EPA 8015B(M)**		
RunID: GC7_BACK_060414A	QC Batch: 27623			PrepDate:	4/14/2006	Analyst: **CBR**
DRO	ND	10		mg/Kg	1	4/14/2006
Surr: p-Terphenyl	84.6	56-131		%REC	1	4/14/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_060414A	QC Batch: E06VS082			PrepDate:		Analyst: **TT**
GRO	ND	1.0		mg/Kg	1	4/14/2006
Surr: Bromofluorobenzene (FID)	83.5	42-138		%REC	1	4/14/2006
MERCURY BY COLD VAPOR TECHNIQUE						
	EPA 7471			**EPA 7471A**		
RunID: AA5_060417A	QC Batch: 27630			PrepDate:	4/17/2006	Analyst: **NS**
Mercury	ND	0.10		mg/Kg	1	4/17/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS1_060414A	QC Batch: P06VS068			PrepDate:		Analyst: **RK**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1	4/14/2006
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	4/14/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *21-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083765
Project: I-5 EXPANSION, 105812001
Lab ID: 083765-004

Client Sample ID: NM03-B3-11.0
Collection Date: 4/11/2006 9:18:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS1_060414A	QC Batch: P06VS068			PrepDate:		Analyst: **RK**
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	4/14/2006
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	4/14/2006
1,1-Dichloroethane	ND	5.0		µg/Kg	1	4/14/2006
1,1-Dichloroethene	ND	5.0		µg/Kg	1	4/14/2006
1,1-Dichloropropene	ND	5.0		µg/Kg	1	4/14/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1	4/14/2006
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1	4/14/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1	4/14/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1	4/14/2006
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1	4/14/2006
1,2-Dibromoethane	ND	5.0		µg/Kg	1	4/14/2006
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1	4/14/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	4/14/2006
1,2-Dichloropropane	ND	5.0		µg/Kg	1	4/14/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1	4/14/2006
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1	4/14/2006
1,3-Dichloropropane	ND	5.0		µg/Kg	1	4/14/2006
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1	4/14/2006
2,2-Dichloropropane	ND	5.0		µg/Kg	1	4/14/2006
2-Chlorotoluene	ND	5.0		µg/Kg	1	4/14/2006
4-Chlorotoluene	ND	5.0		µg/Kg	1	4/14/2006
4-Isopropyltoluene	ND	5.0		µg/Kg	1	4/14/2006
Benzene	ND	5.0		µg/Kg	1	4/14/2006
Bromobenzene	ND	5.0		µg/Kg	1	4/14/2006
Bromodichloromethane	ND	5.0		µg/Kg	1	4/14/2006
Bromoform	ND	5.0		µg/Kg	1	4/14/2006
Bromomethane	ND	5.0		µg/Kg	1	4/14/2006
Carbon tetrachloride	ND	5.0		µg/Kg	1	4/14/2006
Chlorobenzene	ND	5.0		µg/Kg	1	4/14/2006
Chloroethane	ND	5.0		µg/Kg	1	4/14/2006
Chloroform	ND	5.0		µg/Kg	1	4/14/2006
Chloromethane	ND	5.0		µg/Kg	1	4/14/2006
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	4/14/2006
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	4/14/2006
Dibromochloromethane	ND	5.0		µg/Kg	1	4/14/2006
Dibromomethane	ND	5.0		µg/Kg	1	4/14/2006
Dichlorodifluoromethane	ND	5.0		µg/Kg	1	4/14/2006
Ethylbenzene	ND	5.0		µg/Kg	1	4/14/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *21-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083765
Project: I-5 EXPANSION, 105812001
Lab ID: 083765-004

Client Sample ID: NM03-B3-11.0
Collection Date: 4/11/2006 9:18:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS1_060414A	QC Batch:	P06VS068		PrepDate:		Analyst: **RK**
Hexachlorobutadiene	ND	5.0		µg/Kg	1	4/14/2006
Isopropylbenzene	ND	5.0		µg/Kg	1	4/14/2006
m,p-Xylene	ND	10		µg/Kg	1	4/14/2006
Methylene chloride	ND	5.0		µg/Kg	1	4/14/2006
n-Butylbenzene	ND	5.0		µg/Kg	1	4/14/2006
n-Propylbenzene	ND	5.0		µg/Kg	1	4/14/2006
Naphthalene	ND	5.0		µg/Kg	1	4/14/2006
o-Xylene	ND	5.0		µg/Kg	1	4/14/2006
sec-Butylbenzene	ND	5.0		µg/Kg	1	4/14/2006
Styrene	ND	5.0		µg/Kg	1	4/14/2006
tert-Butylbenzene	ND	5.0		µg/Kg	1	4/14/2006
Tetrachloroethene	ND	5.0		µg/Kg	1	4/14/2006
Toluene	ND	5.0		µg/Kg	1	4/14/2006
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	4/14/2006
Trichloroethene	ND	5.0		µg/Kg	1	4/14/2006
Trichlorofluoromethane	ND	5.0		µg/Kg	1	4/14/2006
Vinyl chloride	ND	5.0		µg/Kg	1	4/14/2006
Surr: 1,2-Dichloroethane-d4	98.1	58-138		%REC	1	4/14/2006
Surr: 4-Bromofluorobenzene	103	74-130		%REC	1	4/14/2006
Surr: Dibromofluoromethane	95.0	58-135		%REC	1	4/14/2006
Surr: Toluene-d8	103	84-130		%REC	1	4/14/2006
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
	EPA 3550B			**EPA 8270C**		
RunID: MS6_060414A	QC Batch:	27625		PrepDate:	4/14/2006	Analyst: **MFR**
1,2,4-Trichlorobenzene	ND	330		µg/Kg	1	4/15/2006
1,2-Dichlorobenzene	ND	330		µg/Kg	1	4/15/2006
1,3-Dichlorobenzene	ND	330		µg/Kg	1	4/15/2006
1,4-Dichlorobenzene	ND	330		µg/Kg	1	4/15/2006
2,4,5-Trichlorophenol	ND	330		µg/Kg	1	4/15/2006
2,4,6-Trichlorophenol	ND	330		µg/Kg	1	4/15/2006
2,4-Dichlorophenol	ND	1600		µg/Kg	1	4/15/2006
2,4-Dimethylphenol	ND	330		µg/Kg	1	4/15/2006
2,4-Dinitrophenol	ND	1600		µg/Kg	1	4/15/2006
2,4-Dinitrotoluene	ND	330		µg/Kg	1	4/15/2006
2,6-Dinitrotoluene	ND	330		µg/Kg	1	4/15/2006
2-Chloronaphthalene	ND	330		µg/Kg	1	4/15/2006
2-Chlorophenol	ND	330		µg/Kg	1	4/15/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *21-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083765
Project: I-5 EXPANSION, 105812001
Lab ID: 083765-004

Client Sample ID: NM03-B3-11.0
Collection Date: 4/11/2006 9:18:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS6_060414A	QC Batch: 27625				PrepDate: 4/14/2006	Analyst: **MFR**
2-Methylnaphthalene	ND	330		µg/Kg	1	4/15/2006
2-Methylphenol	ND	330		µg/Kg	1	4/15/2006
2-Nitroaniline	ND	1600		µg/Kg	1	4/15/2006
2-Nitrophenol	ND	330		µg/Kg	1	4/15/2006
3,3´-Dichlorobenzidine	ND	660		µg/Kg	1	4/15/2006
3-Nitroaniline	ND	1600		µg/Kg	1	4/15/2006
4,6-Dinitro-2-methylphenol	ND	1600		µg/Kg	1	4/15/2006
4-Bromophenyl-phenylether	ND	330		µg/Kg	1	4/15/2006
4-Chloro-3-methylphenol	ND	660		µg/Kg	1	4/15/2006
4-Chloroaniline	ND	660		µg/Kg	1	4/15/2006
4-Chlorophenyl-phenylether	ND	330		µg/Kg	1	4/15/2006
4-Methylphenol	ND	330		µg/Kg	1	4/15/2006
4-Nitroaniline	ND	1600		µg/Kg	1	4/15/2006
4-Nitrophenol	ND	1600		µg/Kg	1	4/15/2006
Acenaphthene	ND	330		µg/Kg	1	4/15/2006
Acenaphthylene	ND	330		µg/Kg	1	4/15/2006
Anthracene	ND	330		µg/Kg	1	4/15/2006
Benzidine (M)	ND	1600		µg/Kg	1	4/15/2006
Benzo(a)anthracene	ND	330		µg/Kg	1	4/15/2006
Benzo(a)pyrene	ND	330		µg/Kg	1	4/15/2006
Benzo(b)fluoranthene	ND	330		µg/Kg	1	4/15/2006
Benzo(g,h,i)perylene	ND	330		µg/Kg	1	4/15/2006
Benzo(k)fluoranthene	ND	330		µg/Kg	1	4/15/2006
Benzoic acid	ND	1600		µg/Kg	1	4/15/2006
Benzyl alcohol	ND	660		µg/Kg	1	4/15/2006
Bis(2-chloroethoxy)methane	ND	330		µg/Kg	1	4/15/2006
Bis(2-chloroethyl)ether	ND	330		µg/Kg	1	4/15/2006
Bis(2-chloroisopropyl)ether	ND	330		µg/Kg	1	4/15/2006
Bis(2-ethylhexyl)phthalate	ND	330		µg/Kg	1	4/15/2006
Butylbenzylphthalate	ND	330		µg/Kg	1	4/15/2006
Chrysene	ND	330		µg/Kg	1	4/15/2006
Di-n-butylphthalate	ND	330		µg/Kg	1	4/15/2006
Di-n-octylphthalate	ND	330		µg/Kg	1	4/15/2006
Dibenz(a,h)anthracene	ND	330		µg/Kg	1	4/15/2006
Dibenzofuran	ND	330		µg/Kg	1	4/15/2006
Diethylphthalate	ND	330		µg/Kg	1	4/15/2006
Dimethylphthalate	ND	330		µg/Kg	1	4/15/2006
Fluoranthene	ND	330		µg/Kg	1	4/15/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *21-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B3-11.0
Lab Order:	083765	**Collection Date:**	4/11/2006 9:18:00 AM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083765-004	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS6_060414A	QC Batch: 27625				PrepDate: 4/14/2006	Analyst: **MFR**
Fluorene	ND	330		µg/Kg	1	4/15/2006
Hexachlorobenzene	ND	330		µg/Kg	1	4/15/2006
Hexachlorobutadiene	ND	660		µg/Kg	1	4/15/2006
Hexachlorocyclopentadiene	ND	660		µg/Kg	1	4/15/2006
Hexachloroethane	ND	330		µg/Kg	1	4/15/2006
Indeno(1,2,3-cd)pyrene	ND	330		µg/Kg	1	4/15/2006
Isophorone	ND	330		µg/Kg	1	4/15/2006
N-Nitrosodi-n-propylamine	ND	330		µg/Kg	1	4/15/2006
N-Nitrosodiphenylamine	ND	330		µg/Kg	1	4/15/2006
Naphthalene	ND	330		µg/Kg	1	4/15/2006
Nitrobenzene	ND	330		µg/Kg	1	4/15/2006
Pentachlorophenol	ND	1600		µg/Kg	1	4/15/2006
Phenanthrene	ND	330		µg/Kg	1	4/15/2006
Phenol	ND	330		µg/Kg	1	4/15/2006
Pyrene	ND	330		µg/Kg	1	4/15/2006
Surr: 1,2-Dichlorobenzene-d4	73.2	46-105		%REC	1	4/15/2006
Surr: 2,4,6-Tribromophenol	85.6	46-146		%REC	1	4/15/2006
Surr: 2-Chlorophenol-d4	77.4	48-117		%REC	1	4/15/2006
Surr: 2-Fluorobiphenyl	80.5	54-112		%REC	1	4/15/2006
Surr: 2-Fluorophenol	78.9	45-119		%REC	1	4/15/2006
Surr: 4-Terphenyl-d14	114	46-135		%REC	1	4/15/2006
Surr: Nitrobenzene-d5	80.5	40-116		%REC	1	4/15/2006
Surr: Phenol-d5	80.8	37-127		%REC	1	4/15/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *21-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B3-15.5
Lab Order:	083765	**Collection Date:**	4/11/2006 9:30:00 AM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083765-005	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP6_060417C	QC Batch: 27631			PrepDate:	4/17/2006	Analyst: **RQ**
Antimony	ND	2.0		mg/Kg	1	4/17/2006
Arsenic	ND	1.0		mg/Kg	1	4/17/2006
Barium	23	1.0		mg/Kg	1	4/17/2006
Beryllium	ND	1.0		mg/Kg	1	4/17/2006
Cadmium	ND	1.0		mg/Kg	1	4/17/2006
Chromium	5.5	1.0		mg/Kg	1	4/17/2006
Cobalt	1.7	1.0		mg/Kg	1	4/17/2006
Copper	3.1	2.0		mg/Kg	1	4/17/2006
Lead	1.5	1.0		mg/Kg	1	4/17/2006
Molybdenum	ND	1.0		mg/Kg	1	4/17/2006
Nickel	31	1.0		mg/Kg	1	4/17/2006
Selenium	ND	1.0		mg/Kg	1	4/17/2006
Silver	ND	1.0		mg/Kg	1	4/17/2006
Thallium	ND	1.0		mg/Kg	1	4/17/2006
Vanadium	6.7	1.0		mg/Kg	1	4/17/2006
Zinc	11	1.0		mg/Kg	1	4/17/2006
DIESEL RANGE ORGANICS BY GC/FID						
	LUFT			**EPA 8015B(M)**		
RunID: GC7_BACK_060414A	QC Batch: 27623			PrepDate:	4/14/2006	Analyst: **CBR**
DRO	ND	10		mg/Kg	1	4/14/2006
Surr: p-Terphenyl	75.7	56-131		%REC	1	4/14/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_060414A	QC Batch: E06VS082			PrepDate:		Analyst: **TT**
GRO	ND	1.0		mg/Kg	1	4/14/2006
Surr: Bromofluorobenzene (FID)	84.3	42-138		%REC	1	4/14/2006
MERCURY BY COLD VAPOR TECHNIQUE						
	EPA 7471			**EPA 7471A**		
RunID: AA5_060417A	QC Batch: 27630			PrepDate:	4/17/2006	Analyst: **NS**
Mercury	ND	0.10		mg/Kg	1	4/17/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS1_060414A	QC Batch: P06VS068			PrepDate:		Analyst: **RK**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1	4/14/2006
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	4/14/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *21-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083765
Project: I-5 EXPANSION, 105812001
Lab ID: 083765-005

Client Sample ID: NM03-B3-15.5
Collection Date: 4/11/2006 9:30:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS1_060414A	QC Batch: P06VS068			PrepDate:		Analyst: **RK**
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	4/14/2006
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	4/14/2006
1,1-Dichloroethane	ND	5.0		µg/Kg	1	4/14/2006
1,1-Dichloroethene	ND	5.0		µg/Kg	1	4/14/2006
1,1-Dichloropropene	ND	5.0		µg/Kg	1	4/14/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1	4/14/2006
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1	4/14/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1	4/14/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1	4/14/2006
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1	4/14/2006
1,2-Dibromoethane	ND	5.0		µg/Kg	1	4/14/2006
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1	4/14/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	4/14/2006
1,2-Dichloropropane	ND	5.0		µg/Kg	1	4/14/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1	4/14/2006
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1	4/14/2006
1,3-Dichloropropane	ND	5.0		µg/Kg	1	4/14/2006
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1	4/14/2006
2,2-Dichloropropane	ND	5.0		µg/Kg	1	4/14/2006
2-Chlorotoluene	ND	5.0		µg/Kg	1	4/14/2006
4-Chlorotoluene	ND	5.0		µg/Kg	1	4/14/2006
4-Isopropyltoluene	ND	5.0		µg/Kg	1	4/14/2006
Benzene	ND	5.0		µg/Kg	1	4/14/2006
Bromobenzene	ND	5.0		µg/Kg	1	4/14/2006
Bromodichloromethane	ND	5.0		µg/Kg	1	4/14/2006
Bromoform	ND	5.0		µg/Kg	1	4/14/2006
Bromomethane	ND	5.0		µg/Kg	1	4/14/2006
Carbon tetrachloride	ND	5.0		µg/Kg	1	4/14/2006
Chlorobenzene	ND	5.0		µg/Kg	1	4/14/2006
Chloroethane	ND	5.0		µg/Kg	1	4/14/2006
Chloroform	ND	5.0		µg/Kg	1	4/14/2006
Chloromethane	ND	5.0		µg/Kg	1	4/14/2006
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	4/14/2006
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	4/14/2006
Dibromochloromethane	ND	5.0		µg/Kg	1	4/14/2006
Dibromomethane	ND	5.0		µg/Kg	1	4/14/2006
Dichlorodifluoromethane	ND	5.0		µg/Kg	1	4/14/2006
Ethylbenzene	ND	5.0		µg/Kg	1	4/14/2006

Qualifiers:

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S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *21-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B3-15.5
Lab Order:	083765	**Collection Date:**	4/11/2006 9:30:00 AM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083765-005	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS1_060414A	QC Batch:	P06VS068		PrepDate:		Analyst: **RK**
Hexachlorobutadiene	ND	5.0		µg/Kg	1	4/14/2006
Isopropylbenzene	ND	5.0		µg/Kg	1	4/14/2006
m,p-Xylene	ND	10		µg/Kg	1	4/14/2006
Methylene chloride	ND	5.0		µg/Kg	1	4/14/2006
n-Butylbenzene	ND	5.0		µg/Kg	1	4/14/2006
n-Propylbenzene	ND	5.0		µg/Kg	1	4/14/2006
Naphthalene	ND	5.0		µg/Kg	1	4/14/2006
o-Xylene	ND	5.0		µg/Kg	1	4/14/2006
sec-Butylbenzene	ND	5.0		µg/Kg	1	4/14/2006
Styrene	ND	5.0		µg/Kg	1	4/14/2006
tert-Butylbenzene	ND	5.0		µg/Kg	1	4/14/2006
Tetrachloroethene	ND	5.0		µg/Kg	1	4/14/2006
Toluene	ND	5.0		µg/Kg	1	4/14/2006
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	4/14/2006
Trichloroethene	ND	5.0		µg/Kg	1	4/14/2006
Trichlorofluoromethane	ND	5.0		µg/Kg	1	4/14/2006
Vinyl chloride	ND	5.0		µg/Kg	1	4/14/2006
Surr: 1,2-Dichloroethane-d4	93.8	58-138		%REC	1	4/14/2006
Surr: 4-Bromofluorobenzene	101	74-130		%REC	1	4/14/2006
Surr: Dibromofluoromethane	95.5	58-135		%REC	1	4/14/2006
Surr: Toluene-d8	103	84-130		%REC	1	4/14/2006
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
	EPA 3550B			**EPA 8270C**		
RunID: MS7_060417A	QC Batch:	27625		PrepDate:	4/14/2006	Analyst: **MFR**
1,2,4-Trichlorobenzene	ND	330		µg/Kg	1	4/17/2006
1,2-Dichlorobenzene	ND	330		µg/Kg	1	4/17/2006
1,3-Dichlorobenzene	ND	330		µg/Kg	1	4/17/2006
1,4-Dichlorobenzene	ND	330		µg/Kg	1	4/17/2006
2,4,5-Trichlorophenol	ND	330		µg/Kg	1	4/17/2006
2,4,6-Trichlorophenol	ND	330		µg/Kg	1	4/17/2006
2,4-Dichlorophenol	ND	1600		µg/Kg	1	4/17/2006
2,4-Dimethylphenol	ND	330		µg/Kg	1	4/17/2006
2,4-Dinitrophenol	ND	1600		µg/Kg	1	4/17/2006
2,4-Dinitrotoluene	ND	330		µg/Kg	1	4/17/2006
2,6-Dinitrotoluene	ND	330		µg/Kg	1	4/17/2006
2-Chloronaphthalene	ND	330		µg/Kg	1	4/17/2006
2-Chlorophenol	ND	330		µg/Kg	1	4/17/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *21-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083765
Project: I-5 EXPANSION, 105812001
Lab ID: 083765-005

Client Sample ID: NM03-B3-15.5
Collection Date: 4/11/2006 9:30:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS7_060417A	QC Batch: 27625			PrepDate:	4/14/2006	Analyst: **MFR**
2-Methylnaphthalene	ND	330		µg/Kg	1	4/17/2006
2-Methylphenol	ND	330		µg/Kg	1	4/17/2006
2-Nitroaniline	ND	1600		µg/Kg	1	4/17/2006
2-Nitrophenol	ND	330		µg/Kg	1	4/17/2006
3,3´-Dichlorobenzidine	ND	660		µg/Kg	1	4/17/2006
3-Nitroaniline	ND	1600		µg/Kg	1	4/17/2006
4,6-Dinitro-2-methylphenol	ND	1600		µg/Kg	1	4/17/2006
4-Bromophenyl-phenylether	ND	330		µg/Kg	1	4/17/2006
4-Chloro-3-methylphenol	ND	660		µg/Kg	1	4/17/2006
4-Chloroaniline	ND	660		µg/Kg	1	4/17/2006
4-Chlorophenyl-phenylether	ND	330		µg/Kg	1	4/17/2006
4-Methylphenol	ND	330		µg/Kg	1	4/17/2006
4-Nitroaniline	ND	1600		µg/Kg	1	4/17/2006
4-Nitrophenol	ND	1600		µg/Kg	1	4/17/2006
Acenaphthene	ND	330		µg/Kg	1	4/17/2006
Acenaphthylene	ND	330		µg/Kg	1	4/17/2006
Anthracene	ND	330		µg/Kg	1	4/17/2006
Benzidine (M)	ND	1600		µg/Kg	1	4/17/2006
Benzo(a)anthracene	ND	330		µg/Kg	1	4/17/2006
Benzo(a)pyrene	ND	330		µg/Kg	1	4/17/2006
Benzo(b)fluoranthene	ND	330		µg/Kg	1	4/17/2006
Benzo(g,h,i)perylene	ND	330		µg/Kg	1	4/17/2006
Benzo(k)fluoranthene	ND	330		µg/Kg	1	4/17/2006
Benzoic acid	ND	1600		µg/Kg	1	4/17/2006
Benzyl alcohol	ND	660		µg/Kg	1	4/17/2006
Bis(2-chloroethoxy)methane	ND	330		µg/Kg	1	4/17/2006
Bis(2-chloroethyl)ether	ND	330		µg/Kg	1	4/17/2006
Bis(2-chloroisopropyl)ether	ND	330		µg/Kg	1	4/17/2006
Bis(2-ethylhexyl)phthalate	ND	330		µg/Kg	1	4/17/2006
Butylbenzylphthalate	ND	330		µg/Kg	1	4/17/2006
Chrysene	ND	330		µg/Kg	1	4/17/2006
Di-n-butylphthalate	ND	330		µg/Kg	1	4/17/2006
Di-n-octylphthalate	ND	330		µg/Kg	1	4/17/2006
Dibenz(a,h)anthracene	ND	330		µg/Kg	1	4/17/2006
Dibenzofuran	ND	330		µg/Kg	1	4/17/2006
Diethylphthalate	ND	330		µg/Kg	1	4/17/2006
Dimethylphthalate	ND	330		µg/Kg	1	4/17/2006
Fluoranthene	ND	330		µg/Kg	1	4/17/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *21-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B3-15.5
Lab Order:	083765	**Collection Date:**	4/11/2006 9:30:00 AM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083765-005	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS7_060417A	QC Batch: 27625			PrepDate:	4/14/2006	Analyst: **MFR**
Fluorene	ND	330		µg/Kg	1	4/17/2006
Hexachlorobenzene	ND	330		µg/Kg	1	4/17/2006
Hexachlorobutadiene	ND	660		µg/Kg	1	4/17/2006
Hexachlorocyclopentadiene	ND	660		µg/Kg	1	4/17/2006
Hexachloroethane	ND	330		µg/Kg	1	4/17/2006
Indeno(1,2,3-cd)pyrene	ND	330		µg/Kg	1	4/17/2006
Isophorone	ND	330		µg/Kg	1	4/17/2006
N-Nitrosodi-n-propylamine	ND	330		µg/Kg	1	4/17/2006
N-Nitrosodiphenylamine	ND	330		µg/Kg	1	4/17/2006
Naphthalene	ND	330		µg/Kg	1	4/17/2006
Nitrobenzene	ND	330		µg/Kg	1	4/17/2006
Pentachlorophenol	ND	1600		µg/Kg	1	4/17/2006
Phenanthrene	ND	330		µg/Kg	1	4/17/2006
Phenol	ND	330		µg/Kg	1	4/17/2006
Pyrene	ND	330		µg/Kg	1	4/17/2006
Surr: 1,2-Dichlorobenzene-d4	69.5	46-105		%REC	1	4/17/2006
Surr: 2,4,6-Tribromophenol	101	46-146		%REC	1	4/17/2006
Surr: 2-Chlorophenol-d4	79.9	48-117		%REC	1	4/17/2006
Surr: 2-Fluorobiphenyl	87.4	54-112		%REC	1	4/17/2006
Surr: 2-Fluorophenol	78.5	45-119		%REC	1	4/17/2006
Surr: 4-Terphenyl-d14	90.6	46-135		%REC	1	4/17/2006
Surr: Nitrobenzene-d5	85.8	40-116		%REC	1	4/17/2006
Surr: Phenol-d5	84.5	37-127		%REC	1	4/17/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *21-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083765
Project: I-5 EXPANSION, 105812001
Lab ID: 083765-006

Client Sample ID: NM03-B3-21.0
Collection Date: 4/11/2006 9:45:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP6_060417C	QC Batch: 27631			PrepDate:	4/17/2006	Analyst: **RQ**
Antimony	ND	2.0		mg/Kg	1	4/17/2006
Arsenic	ND	1.0		mg/Kg	1	4/17/2006
Barium	52	1.0		mg/Kg	1	4/17/2006
Beryllium	ND	1.0		mg/Kg	1	4/17/2006
Cadmium	ND	1.0		mg/Kg	1	4/17/2006
Chromium	6.3	1.0		mg/Kg	1	4/17/2006
Cobalt	3.9	1.0		mg/Kg	1	4/17/2006
Copper	3.9	2.0		mg/Kg	1	4/17/2006
Lead	6.2	1.0		mg/Kg	1	4/17/2006
Molybdenum	ND	1.0		mg/Kg	1	4/17/2006
Nickel	7.1	1.0		mg/Kg	1	4/17/2006
Selenium	ND	1.0		mg/Kg	1	4/17/2006
Silver	ND	1.0		mg/Kg	1	4/17/2006
Thallium	ND	1.0		mg/Kg	1	4/17/2006
Vanadium	11	1.0		mg/Kg	1	4/17/2006
Zinc	14	1.0		mg/Kg	1	4/17/2006
DIESEL RANGE ORGANICS BY GC/FID						
	LUFT			**EPA 8015B(M)**		
RunID: GC7_BACK_060414A	QC Batch: 27623			PrepDate:	4/14/2006	Analyst: **CBR**
DRO	ND	10		mg/Kg	1	4/14/2006
Surr: p-Terphenyl	77.0	56-131		%REC	1	4/14/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_060414A	QC Batch: E06VS082			PrepDate:		Analyst: **TT**
GRO	ND	1.0		mg/Kg	1	4/14/2006
Surr: Bromofluorobenzene (FID)	84.1	42-138		%REC	1	4/14/2006
MERCURY BY COLD VAPOR TECHNIQUE						
	EPA 7471			**EPA 7471A**		
RunID: AA5_060417A	QC Batch: 27630			PrepDate:	4/17/2006	Analyst: **NS**
Mercury	ND	0.10		mg/Kg	1	4/17/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS1_060414A	QC Batch: P06VS068			PrepDate:		Analyst: **RK**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1	4/14/2006
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	4/14/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *21-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B3-21.0
Lab Order:	083765	**Collection Date:**	4/11/2006 9:45:00 AM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083765-006	**Matrix:**	SOIL

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS1_060414A QC Batch: P06VS068 PrepDate: Analyst: **RK**

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	4/14/2006
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	4/14/2006
1,1-Dichloroethane	ND	5.0		µg/Kg	1	4/14/2006
1,1-Dichloroethene	ND	5.0		µg/Kg	1	4/14/2006
1,1-Dichloropropene	ND	5.0		µg/Kg	1	4/14/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1	4/14/2006
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1	4/14/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1	4/14/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1	4/14/2006
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1	4/14/2006
1,2-Dibromoethane	ND	5.0		µg/Kg	1	4/14/2006
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1	4/14/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	4/14/2006
1,2-Dichloropropane	ND	5.0		µg/Kg	1	4/14/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1	4/14/2006
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1	4/14/2006
1,3-Dichloropropane	ND	5.0		µg/Kg	1	4/14/2006
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1	4/14/2006
2,2-Dichloropropane	ND	5.0		µg/Kg	1	4/14/2006
2-Chlorotoluene	ND	5.0		µg/Kg	1	4/14/2006
4-Chlorotoluene	ND	5.0		µg/Kg	1	4/14/2006
4-Isopropyltoluene	ND	5.0		µg/Kg	1	4/14/2006
Benzene	ND	5.0		µg/Kg	1	4/14/2006
Bromobenzene	ND	5.0		µg/Kg	1	4/14/2006
Bromodichloromethane	ND	5.0		µg/Kg	1	4/14/2006
Bromoform	ND	5.0		µg/Kg	1	4/14/2006
Bromomethane	ND	5.0		µg/Kg	1	4/14/2006
Carbon tetrachloride	ND	5.0		µg/Kg	1	4/14/2006
Chlorobenzene	ND	5.0		µg/Kg	1	4/14/2006
Chloroethane	ND	5.0		µg/Kg	1	4/14/2006
Chloroform	ND	5.0		µg/Kg	1	4/14/2006
Chloromethane	ND	5.0		µg/Kg	1	4/14/2006
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	4/14/2006
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	4/14/2006
Dibromochloromethane	ND	5.0		µg/Kg	1	4/14/2006
Dibromomethane	ND	5.0		µg/Kg	1	4/14/2006
Dichlorodifluoromethane	ND	5.0		µg/Kg	1	4/14/2006
Ethylbenzene	ND	5.0		µg/Kg	1	4/14/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *21-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B3-21.0
Lab Order:	083765	**Collection Date:**	4/11/2006 9:45:00 AM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083765-006	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS1_060414A	QC Batch:	P06VS068		PrepDate:		Analyst: **RK**
Hexachlorobutadiene	ND	5.0		µg/Kg	1	4/14/2006
Isopropylbenzene	ND	5.0		µg/Kg	1	4/14/2006
m,p-Xylene	ND	10		µg/Kg	1	4/14/2006
Methylene chloride	ND	5.0		µg/Kg	1	4/14/2006
n-Butylbenzene	ND	5.0		µg/Kg	1	4/14/2006
n-Propylbenzene	ND	5.0		µg/Kg	1	4/14/2006
Naphthalene	ND	5.0		µg/Kg	1	4/14/2006
o-Xylene	ND	5.0		µg/Kg	1	4/14/2006
sec-Butylbenzene	ND	5.0		µg/Kg	1	4/14/2006
Styrene	ND	5.0		µg/Kg	1	4/14/2006
tert-Butylbenzene	ND	5.0		µg/Kg	1	4/14/2006
Tetrachloroethene	ND	5.0		µg/Kg	1	4/14/2006
Toluene	ND	5.0		µg/Kg	1	4/14/2006
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	4/14/2006
Trichloroethene	ND	5.0		µg/Kg	1	4/14/2006
Trichlorofluoromethane	ND	5.0		µg/Kg	1	4/14/2006
Vinyl chloride	ND	5.0		µg/Kg	1	4/14/2006
Surr: 1,2-Dichloroethane-d4	92.2	58-138		%REC	1	4/14/2006
Surr: 4-Bromofluorobenzene	103	74-130		%REC	1	4/14/2006
Surr: Dibromofluoromethane	95.0	58-135		%REC	1	4/14/2006
Surr: Toluene-d8	103	84-130		%REC	1	4/14/2006
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
	EPA 3550B			**EPA 8270C**		
RunID: MS6_060414A	QC Batch:	27625		PrepDate:	4/14/2006	Analyst: **MFR**
1,2,4-Trichlorobenzene	ND	330		µg/Kg	1	4/14/2006
1,2-Dichlorobenzene	ND	330		µg/Kg	1	4/14/2006
1,3-Dichlorobenzene	ND	330		µg/Kg	1	4/14/2006
1,4-Dichlorobenzene	ND	330		µg/Kg	1	4/14/2006
2,4,5-Trichlorophenol	ND	330		µg/Kg	1	4/14/2006
2,4,6-Trichlorophenol	ND	330		µg/Kg	1	4/14/2006
2,4-Dichlorophenol	ND	1600		µg/Kg	1	4/14/2006
2,4-Dimethylphenol	ND	330		µg/Kg	1	4/14/2006
2,4-Dinitrophenol	ND	1600		µg/Kg	1	4/14/2006
2,4-Dinitrotoluene	ND	330		µg/Kg	1	4/14/2006
2,6-Dinitrotoluene	ND	330		µg/Kg	1	4/14/2006
2-Chloronaphthalene	ND	330		µg/Kg	1	4/14/2006
2-Chlorophenol	ND	330		µg/Kg	1	4/14/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *21-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B3-21.0
Lab Order:	083765	**Collection Date:**	4/11/2006 9:45:00 AM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083765-006	**Matrix:**	SOIL

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B **EPA 8270C**

RunID: MS6_060414A QC Batch: 27625 PrepDate: 4/14/2006 Analyst: **MFR**

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
2-Methylnaphthalene	ND	330		µg/Kg	1	4/14/2006
2-Methylphenol	ND	330		µg/Kg	1	4/14/2006
2-Nitroaniline	ND	1600		µg/Kg	1	4/14/2006
2-Nitrophenol	ND	330		µg/Kg	1	4/14/2006
3,3´-Dichlorobenzidine	ND	660		µg/Kg	1	4/14/2006
3-Nitroaniline	ND	1600		µg/Kg	1	4/14/2006
4,6-Dinitro-2-methylphenol	ND	1600		µg/Kg	1	4/14/2006
4-Bromophenyl-phenylether	ND	330		µg/Kg	1	4/14/2006
4-Chloro-3-methylphenol	ND	660		µg/Kg	1	4/14/2006
4-Chloroaniline	ND	660		µg/Kg	1	4/14/2006
4-Chlorophenyl-phenylether	ND	330		µg/Kg	1	4/14/2006
4-Methylphenol	ND	330		µg/Kg	1	4/14/2006
4-Nitroaniline	ND	1600		µg/Kg	1	4/14/2006
4-Nitrophenol	ND	1600		µg/Kg	1	4/14/2006
Acenaphthene	ND	330		µg/Kg	1	4/14/2006
Acenaphthylene	ND	330		µg/Kg	1	4/14/2006
Anthracene	ND	330		µg/Kg	1	4/14/2006
Benzidine (M)	ND	1600		µg/Kg	1	4/14/2006
Benzo(a)anthracene	ND	330		µg/Kg	1	4/14/2006
Benzo(a)pyrene	ND	330		µg/Kg	1	4/14/2006
Benzo(b)fluoranthene	ND	330		µg/Kg	1	4/14/2006
Benzo(g,h,i)perylene	ND	330		µg/Kg	1	4/14/2006
Benzo(k)fluoranthene	ND	330		µg/Kg	1	4/14/2006
Benzoic acid	ND	1600		µg/Kg	1	4/14/2006
Benzyl alcohol	ND	660		µg/Kg	1	4/14/2006
Bis(2-chloroethoxy)methane	ND	330		µg/Kg	1	4/14/2006
Bis(2-chloroethyl)ether	ND	330		µg/Kg	1	4/14/2006
Bis(2-chloroisopropyl)ether	ND	330		µg/Kg	1	4/14/2006
Bis(2-ethylhexyl)phthalate	ND	330		µg/Kg	1	4/14/2006
Butylbenzylphthalate	ND	330		µg/Kg	1	4/14/2006
Chrysene	ND	330		µg/Kg	1	4/14/2006
Di-n-butylphthalate	ND	330		µg/Kg	1	4/14/2006
Di-n-octylphthalate	ND	330		µg/Kg	1	4/14/2006
Dibenz(a,h)anthracene	ND	330		µg/Kg	1	4/14/2006
Dibenzofuran	ND	330		µg/Kg	1	4/14/2006
Diethylphthalate	ND	330		µg/Kg	1	4/14/2006
Dimethylphthalate	ND	330		µg/Kg	1	4/14/2006
Fluoranthene	ND	330		µg/Kg	1	4/14/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *21-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B3-21.0
Lab Order:	083765	**Collection Date:**	4/11/2006 9:45:00 AM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083765-006	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS6_060414A	QC Batch: 27625			PrepDate:	4/14/2006	Analyst: **MFR**
Fluorene	ND	330		µg/Kg	1	4/14/2006
Hexachlorobenzene	ND	330		µg/Kg	1	4/14/2006
Hexachlorobutadiene	ND	660		µg/Kg	1	4/14/2006
Hexachlorocyclopentadiene	ND	660		µg/Kg	1	4/14/2006
Hexachloroethane	ND	330		µg/Kg	1	4/14/2006
Indeno(1,2,3-cd)pyrene	ND	330		µg/Kg	1	4/14/2006
Isophorone	ND	330		µg/Kg	1	4/14/2006
N-Nitrosodi-n-propylamine	ND	330		µg/Kg	1	4/14/2006
N-Nitrosodiphenylamine	ND	330		µg/Kg	1	4/14/2006
Naphthalene	ND	330		µg/Kg	1	4/14/2006
Nitrobenzene	ND	330		µg/Kg	1	4/14/2006
Pentachlorophenol	ND	1600		µg/Kg	1	4/14/2006
Phenanthrene	ND	330		µg/Kg	1	4/14/2006
Phenol	ND	330		µg/Kg	1	4/14/2006
Pyrene	ND	330		µg/Kg	1	4/14/2006
Surr: 1,2-Dichlorobenzene-d4	72.8	46-105		%REC	1	4/14/2006
Surr: 2,4,6-Tribromophenol	86.6	46-146		%REC	1	4/14/2006
Surr: 2-Chlorophenol-d4	75.9	48-117		%REC	1	4/14/2006
Surr: 2-Fluorobiphenyl	76.7	54-112		%REC	1	4/14/2006
Surr: 2-Fluorophenol	78.4	45-119		%REC	1	4/14/2006
Surr: 4-Terphenyl-d14	112	46-135		%REC	1	4/14/2006
Surr: Nitrobenzene-d5	80.6	40-116		%REC	1	4/14/2006
Surr: Phenol-d5	77.9	37-127		%REC	1	4/14/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *21-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B3-GW
Lab Order:	083765	**Collection Date:**	4/11/2006 11:00:00 AM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083765-009	**Matrix:**	GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3010A			**EPA 6010B**		
RunID: ICP6_060418C	QC Batch: 27613			PrepDate:	4/14/2006	Analyst: **RQ**
Antimony	ND	0.0050		mg/L	1	4/18/2006
Arsenic	ND	0.010		mg/L	1	4/18/2006
Barium	1.3	0.0030		mg/L	1	4/18/2006
Beryllium	ND	0.0030		mg/L	1	4/18/2006
Cadmium	ND	0.0030		mg/L	1	4/18/2006
Chromium	0.20	0.0030		mg/L	1	4/18/2006
Cobalt	0.069	0.0030		mg/L	1	4/18/2006
Copper	0.089	0.0050		mg/L	1	4/18/2006
Lead	0.063	0.0050		mg/L	1	4/18/2006
Molybdenum	ND	0.0050		mg/L	1	4/18/2006
Nickel	0.089	0.0050		mg/L	1	4/18/2006
Selenium	0.021	0.010		mg/L	1	4/18/2006
Silver	ND	0.0030		mg/L	1	4/18/2006
Thallium	ND	0.015		mg/L	1	4/18/2006
Vanadium	0.38	0.0030		mg/L	1	4/18/2006
Zinc	0.42	0.010		mg/L	1	4/18/2006
DIESEL RANGE ORGANICS BY GC/FID						
	EPA 3510C			**EPA 8015B(M)**		
RunID: GC7_060417A	QC Batch: 27629			PrepDate:	4/17/2006	Analyst: **CBR**
DRO	ND	0.20		mg/L	1	4/17/2006
Surr: p-Terphenyl	87.5	32-125		%REC	1	4/17/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC6_060413A	QC Batch: I06VW095			PrepDate:		Analyst: **EA**
GRO	ND	0.20		mg/L	1	4/13/2006
Surr: Bromofluorobenzene (FID)	102	76-125		%REC	1	4/13/2006
MERCURY BY COLD VAPOR TECHNIQUE						
	EPA 7470			**EPA 7470A**		
RunID: AA5_060414A	QC Batch: 27614			PrepDate:	4/14/2006	Analyst: **NS**
Mercury	0.23	0.20		µg/L	1	4/14/2006
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
	EPA 3510C			**EPA 8270C**		
RunID: MS7_060414B	QC Batch: 27610			PrepDate:	4/14/2006	Analyst: **MFR**
1,2,4-Trichlorobenzene	ND	10		µg/L	1	4/14/2006
1,2-Dichlorobenzene	ND	10		µg/L	1	4/14/2006

Qualifiers:

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S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Date: *21-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083765
Project: I-5 EXPANSION, 105812001
Lab ID: 083765-009

Client Sample ID: NM03-B3-GW
Collection Date: 4/11/2006 11:00:00 AM
Matrix: GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3510C				**EPA 8270C**		
RunID: MS7_060414B	QC Batch: 27610				PrepDate: 4/14/2006	Analyst: **MFR**
1,3-Dichlorobenzene	ND	10		µg/L	1	4/14/2006
1,4-Dichlorobenzene	ND	10		µg/L	1	4/14/2006
2,4,5-Trichlorophenol	ND	10		µg/L	1	4/14/2006
2,4,6-Trichlorophenol	ND	10		µg/L	1	4/14/2006
2,4-Dichlorophenol	ND	10		µg/L	1	4/14/2006
2,4-Dimethylphenol	ND	10		µg/L	1	4/14/2006
2,4-Dinitrophenol	ND	50		µg/L	1	4/14/2006
2,4-Dinitrotoluene	ND	10		µg/L	1	4/14/2006
2,6-Dinitrotoluene	ND	10		µg/L	1	4/14/2006
2-Chloronaphthalene	ND	10		µg/L	1	4/14/2006
2-Chlorophenol	ND	10		µg/L	1	4/14/2006
2-Methylnaphthalene	ND	10		µg/L	1	4/14/2006
2-Methylphenol	ND	10		µg/L	1	4/14/2006
2-Nitroaniline	ND	50		µg/L	1	4/14/2006
2-Nitrophenol	ND	10		µg/L	1	4/14/2006
3,3´-Dichlorobenzidine	ND	20		µg/L	1	4/14/2006
3-Nitroaniline	ND	50		µg/L	1	4/14/2006
4,6-Dinitro-2-methylphenol	ND	50		µg/L	1	4/14/2006
4-Bromophenyl-phenylether	ND	10		µg/L	1	4/14/2006
4-Chloro-3-methylphenol	ND	50		µg/L	1	4/14/2006
4-Chloroaniline	ND	20		µg/L	1	4/14/2006
4-Chlorophenyl-phenylether	ND	10		µg/L	1	4/14/2006
4-Methylphenol	ND	10		µg/L	1	4/14/2006
4-Nitroaniline	ND	20		µg/L	1	4/14/2006
4-Nitrophenol	ND	50		µg/L	1	4/14/2006
Acenaphthene	ND	10		µg/L	1	4/14/2006
Acenaphthylene	ND	10		µg/L	1	4/14/2006
Anthracene	ND	10		µg/L	1	4/14/2006
Benzidine (M)	ND	50		µg/L	1	4/14/2006
Benzo(a)anthracene	ND	10		µg/L	1	4/14/2006
Benzo(a)pyrene	ND	10		µg/L	1	4/14/2006
Benzo(b)fluoranthene	ND	10		µg/L	1	4/14/2006
Benzo(g,h,i)perylene	ND	10		µg/L	1	4/14/2006
Benzo(k)fluoranthene	ND	10		µg/L	1	4/14/2006
Benzoic acid	ND	50		µg/L	1	4/14/2006
Benzyl alcohol	ND	20		µg/L	1	4/14/2006
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	4/14/2006
Bis(2-chloroethyl)ether	ND	10		µg/L	1	4/14/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
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Advanced Technology Laboratories

Date: *21-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083765
Project: I-5 EXPANSION, 105812001
Lab ID: 083765-009

Client Sample ID: NM03-B3-GW
Collection Date: 4/11/2006 11:00:00 AM
Matrix: GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3510C				**EPA 8270C**		
RunID: MS7_060414B	QC Batch: 27610				PrepDate: 4/14/2006	Analyst: **MFR**
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	4/14/2006
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	4/14/2006
Butylbenzylphthalate	ND	10		µg/L	1	4/14/2006
Chrysene	ND	10		µg/L	1	4/14/2006
Di-n-butylphthalate	ND	10		µg/L	1	4/14/2006
Di-n-octylphthalate	ND	10		µg/L	1	4/14/2006
Dibenz(a,h)anthracene	ND	10		µg/L	1	4/14/2006
Dibenzofuran	ND	10		µg/L	1	4/14/2006
Diethylphthalate	ND	10		µg/L	1	4/14/2006
Dimethylphthalate	ND	10		µg/L	1	4/14/2006
Fluoranthene	ND	10		µg/L	1	4/14/2006
Fluorene	ND	10		µg/L	1	4/14/2006
Hexachlorobenzene	ND	10		µg/L	1	4/14/2006
Hexachlorobutadiene	ND	20		µg/L	1	4/14/2006
Hexachlorocyclopentadiene	ND	10		µg/L	1	4/14/2006
Hexachloroethane	ND	10		µg/L	1	4/14/2006
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	4/14/2006
Isophorone	ND	10		µg/L	1	4/14/2006
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	4/14/2006
N-Nitrosodiphenylamine	ND	10		µg/L	1	4/14/2006
Naphthalene	ND	10		µg/L	1	4/14/2006
Nitrobenzene	ND	10		µg/L	1	4/14/2006
Pentachlorophenol	ND	50		µg/L	1	4/14/2006
Phenanthrene	ND	10		µg/L	1	4/14/2006
Phenol	ND	10		µg/L	1	4/14/2006
Pyrene	ND	10		µg/L	1	4/14/2006
Surr: 1,2-Dichlorobenzene-d4	62.6	41-103		%REC	1	4/14/2006
Surr: 2,4,6-Tribromophenol	98.1	55-137		%REC	1	4/14/2006
Surr: 2-Chlorophenol-d4	73.9	34-117		%REC	1	4/14/2006
Surr: 2-Fluorobiphenyl	75.5	49-114		%REC	1	4/14/2006
Surr: 2-Fluorophenol	47.3	24-74		%REC	1	4/14/2006
Surr: 4-Terphenyl-d14	75.6	42-138		%REC	1	4/14/2006
Surr: Nitrobenzene-d5	85.0	47-115		%REC	1	4/14/2006
Surr: Phenol-d5	35.3	16-63		%REC	1	4/14/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS11_060414A	QC Batch: A06VW095				PrepDate:	Analyst: **HH**

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *21-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B3-GW
Lab Order:	083765	**Collection Date:**	4/11/2006 11:00:00 AM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083765-009	**Matrix:**	GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS11_060414A	QC Batch: A06VW095				PrepDate:	Analyst: **HH**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	4/14/2006
1,1,1-Trichloroethane	ND	5.0		µg/L	1	4/14/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	4/14/2006
1,1,2-Trichloroethane	ND	5.0		µg/L	1	4/14/2006
1,1-Dichloroethane	ND	5.0		µg/L	1	4/14/2006
1,1-Dichloroethene	ND	5.0		µg/L	1	4/14/2006
1,1-Dichloropropene	ND	5.0		µg/L	1	4/14/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/L	1	4/14/2006
1,2,3-Trichloropropane	ND	5.0		µg/L	1	4/14/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	4/14/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/L	1	4/14/2006
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	4/14/2006
1,2-Dibromoethane	ND	5.0		µg/L	1	4/14/2006
1,2-Dichlorobenzene	ND	5.0		µg/L	1	4/14/2006
1,2-Dichloroethane	ND	5.0		µg/L	1	4/14/2006
1,2-Dichloropropane	ND	5.0		µg/L	1	4/14/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	4/14/2006
1,3-Dichlorobenzene	ND	5.0		µg/L	1	4/14/2006
1,3-Dichloropropane	ND	5.0		µg/L	1	4/14/2006
1,4-Dichlorobenzene	ND	5.0		µg/L	1	4/14/2006
2,2-Dichloropropane	ND	5.0		µg/L	1	4/14/2006
2-Chlorotoluene	ND	5.0		µg/L	1	4/14/2006
4-Chlorotoluene	ND	5.0		µg/L	1	4/14/2006
4-Isopropyltoluene	ND	5.0		µg/L	1	4/14/2006
Benzene	ND	5.0		µg/L	1	4/14/2006
Bromobenzene	ND	5.0		µg/L	1	4/14/2006
Bromodichloromethane	ND	5.0		µg/L	1	4/14/2006
Bromoform	ND	5.0		µg/L	1	4/14/2006
Bromomethane	ND	5.0		µg/L	1	4/14/2006
Carbon tetrachloride	ND	5.0		µg/L	1	4/14/2006
Chlorobenzene	ND	5.0		µg/L	1	4/14/2006
Chloroethane	ND	5.0		µg/L	1	4/14/2006
Chloroform	ND	5.0		µg/L	1	4/14/2006
Chloromethane	ND	5.0		µg/L	1	4/14/2006
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	4/14/2006
Dibromochloromethane	ND	5.0		µg/L	1	4/14/2006
Dibromomethane	ND	5.0		µg/L	1	4/14/2006
Dichlorodifluoromethane	ND	5.0		µg/L	1	4/14/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *21-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B3-GW
Lab Order:	083765	**Collection Date:**	4/11/2006 11:00:00 AM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083765-009	**Matrix:**	GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS11_060414A	QC Batch:	A06VW095			PrepDate:	Analyst: **HH**
Ethylbenzene	ND	5.0		µg/L	1	4/14/2006
Hexachlorobutadiene	ND	5.0		µg/L	1	4/14/2006
Isopropylbenzene	ND	5.0		µg/L	1	4/14/2006
m,p-Xylene	ND	10		µg/L	1	4/14/2006
Methylene chloride	ND	5.0		µg/L	1	4/14/2006
n-Butylbenzene	ND	5.0		µg/L	1	4/14/2006
n-Propylbenzene	ND	5.0		µg/L	1	4/14/2006
Naphthalene	ND	5.0		µg/L	1	4/14/2006
o-Xylene	ND	5.0		µg/L	1	4/14/2006
sec-Butylbenzene	ND	5.0		µg/L	1	4/14/2006
Styrene	ND	5.0		µg/L	1	4/14/2006
tert-Butylbenzene	ND	5.0		µg/L	1	4/14/2006
Tetrachloroethene	ND	5.0		µg/L	1	4/14/2006
Toluene	ND	5.0		µg/L	1	4/14/2006
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	4/14/2006
Trichloroethene	ND	5.0		µg/L	1	4/14/2006
Trichlorofluoromethane	ND	5.0		µg/L	1	4/14/2006
Vinyl chloride	ND	5.0		µg/L	1	4/14/2006
Surr: 1,2-Dichloroethane-d4	85.1	70-126		%REC	1	4/14/2006
Surr: 4-Bromofluorobenzene	95.3	63-134		%REC	1	4/14/2006
Surr: Dibromofluoromethane	85.8	73-124		%REC	1	4/14/2006
Surr: Toluene-d8	94.9	84-123		%REC	1	4/14/2006

Qualifiers:

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S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *21-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B3-Equip
Lab Order:	083765	**Collection Date:**	4/11/2006 11:30:00 AM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083765-010	**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3010A			**EPA 6010B**		
RunID: ICP6_060418C	QC Batch: 27613			PrepDate:	4/14/2006	Analyst: **RQ**
Antimony	ND	0.0050		mg/L	1	4/18/2006
Arsenic	ND	0.010		mg/L	1	4/18/2006
Barium	ND	0.0030		mg/L	1	4/18/2006
Beryllium	ND	0.0030		mg/L	1	4/18/2006
Cadmium	ND	0.0030		mg/L	1	4/18/2006
Chromium	ND	0.0030		mg/L	1	4/18/2006
Cobalt	ND	0.0030		mg/L	1	4/18/2006
Copper	ND	0.0050		mg/L	1	4/18/2006
Lead	ND	0.0050		mg/L	1	4/18/2006
Molybdenum	ND	0.0050		mg/L	1	4/18/2006
Nickel	ND	0.0050		mg/L	1	4/18/2006
Selenium	ND	0.010		mg/L	1	4/18/2006
Silver	ND	0.0030		mg/L	1	4/18/2006
Thallium	ND	0.015		mg/L	1	4/18/2006
Vanadium	ND	0.0030		mg/L	1	4/18/2006
Zinc	ND	0.010		mg/L	1	4/18/2006
DIESEL RANGE ORGANICS BY GC/FID						
	EPA 3510C			**EPA 8015B(M)**		
RunID: GC7_060417A	QC Batch: 27629			PrepDate:	4/17/2006	Analyst: **CBR**
DRO	ND	0.20		mg/L	1	4/17/2006
Surr: p-Terphenyl	0	32-125	S	%REC	1	4/17/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC6_060413A	QC Batch: I06VW095			PrepDate:		Analyst: **EA**
GRO	ND	0.20		mg/L	1	4/13/2006
Surr: Bromofluorobenzene (FID)	98.8	76-125		%REC	1	4/13/2006
MERCURY BY COLD VAPOR TECHNIQUE						
	EPA 7470			**EPA 7470A**		
RunID: AA5_060414A	QC Batch: 27614			PrepDate:	4/14/2006	Analyst: **NS**
Mercury	ND	0.20		µg/L	1	4/14/2006
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
	EPA 3510C			**EPA 8270C**		
RunID: MS7_060414B	QC Batch: 27610			PrepDate:	4/14/2006	Analyst: **MFR**
1,2,4-Trichlorobenzene	ND	10		µg/L	1	4/14/2006
1,2-Dichlorobenzene	ND	10		µg/L	1	4/14/2006

Qualifiers:

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DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *21-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083765
Project: I-5 EXPANSION, 105812001
Lab ID: 083765-010

Client Sample ID: NM03-B3-Equip
Collection Date: 4/11/2006 11:30:00 AM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3510C				**EPA 8270C**		
RunID: MS7_060414B	QC Batch: 27610				PrepDate: 4/14/2006	Analyst: **MFR**
1,3-Dichlorobenzene	ND	10		µg/L	1	4/14/2006
1,4-Dichlorobenzene	ND	10		µg/L	1	4/14/2006
2,4,5-Trichlorophenol	ND	10		µg/L	1	4/14/2006
2,4,6-Trichlorophenol	ND	10		µg/L	1	4/14/2006
2,4-Dichlorophenol	ND	10		µg/L	1	4/14/2006
2,4-Dimethylphenol	ND	10		µg/L	1	4/14/2006
2,4-Dinitrophenol	ND	50		µg/L	1	4/14/2006
2,4-Dinitrotoluene	ND	10		µg/L	1	4/14/2006
2,6-Dinitrotoluene	ND	10		µg/L	1	4/14/2006
2-Chloronaphthalene	ND	10		µg/L	1	4/14/2006
2-Chlorophenol	ND	10		µg/L	1	4/14/2006
2-Methylnaphthalene	ND	10		µg/L	1	4/14/2006
2-Methylphenol	ND	10		µg/L	1	4/14/2006
2-Nitroaniline	ND	50		µg/L	1	4/14/2006
2-Nitrophenol	ND	10		µg/L	1	4/14/2006
3,3´-Dichlorobenzidine	ND	20		µg/L	1	4/14/2006
3-Nitroaniline	ND	50		µg/L	1	4/14/2006
4,6-Dinitro-2-methylphenol	ND	50		µg/L	1	4/14/2006
4-Bromophenyl-phenylether	ND	10		µg/L	1	4/14/2006
4-Chloro-3-methylphenol	ND	50		µg/L	1	4/14/2006
4-Chloroaniline	ND	20		µg/L	1	4/14/2006
4-Chlorophenyl-phenylether	ND	10		µg/L	1	4/14/2006
4-Methylphenol	ND	10		µg/L	1	4/14/2006
4-Nitroaniline	ND	20		µg/L	1	4/14/2006
4-Nitrophenol	ND	50		µg/L	1	4/14/2006
Acenaphthene	ND	10		µg/L	1	4/14/2006
Acenaphthylene	ND	10		µg/L	1	4/14/2006
Anthracene	ND	10		µg/L	1	4/14/2006
Benzidine (M)	ND	50		µg/L	1	4/14/2006
Benzo(a)anthracene	ND	10		µg/L	1	4/14/2006
Benzo(a)pyrene	ND	10		µg/L	1	4/14/2006
Benzo(b)fluoranthene	ND	10		µg/L	1	4/14/2006
Benzo(g,h,i)perylene	ND	10		µg/L	1	4/14/2006
Benzo(k)fluoranthene	ND	10		µg/L	1	4/14/2006
Benzoic acid	ND	50		µg/L	1	4/14/2006
Benzyl alcohol	ND	20		µg/L	1	4/14/2006
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	4/14/2006
Bis(2-chloroethyl)ether	ND	10		µg/L	1	4/14/2006

Qualifiers:

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H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *21-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083765
Project: I-5 EXPANSION, 105812001
Lab ID: 083765-010

Client Sample ID: NM03-B3-Equip
Collection Date: 4/11/2006 11:30:00 AM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3510C				**EPA 8270C**		
RunID: MS7_060414B	QC Batch: 27610				PrepDate: 4/14/2006	Analyst: **MFR**
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	4/14/2006
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	4/14/2006
Butylbenzylphthalate	ND	10		µg/L	1	4/14/2006
Chrysene	ND	10		µg/L	1	4/14/2006
Di-n-butylphthalate	ND	10		µg/L	1	4/14/2006
Di-n-octylphthalate	ND	10		µg/L	1	4/14/2006
Dibenz(a,h)anthracene	ND	10		µg/L	1	4/14/2006
Dibenzofuran	ND	10		µg/L	1	4/14/2006
Diethylphthalate	ND	10		µg/L	1	4/14/2006
Dimethylphthalate	ND	10		µg/L	1	4/14/2006
Fluoranthene	ND	10		µg/L	1	4/14/2006
Fluorene	ND	10		µg/L	1	4/14/2006
Hexachlorobenzene	ND	10		µg/L	1	4/14/2006
Hexachlorobutadiene	ND	20		µg/L	1	4/14/2006
Hexachlorocyclopentadiene	ND	10		µg/L	1	4/14/2006
Hexachloroethane	ND	10		µg/L	1	4/14/2006
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	4/14/2006
Isophorone	ND	10		µg/L	1	4/14/2006
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	4/14/2006
N-Nitrosodiphenylamine	ND	10		µg/L	1	4/14/2006
Naphthalene	ND	10		µg/L	1	4/14/2006
Nitrobenzene	ND	10		µg/L	1	4/14/2006
Pentachlorophenol	ND	50		µg/L	1	4/14/2006
Phenanthrene	ND	10		µg/L	1	4/14/2006
Phenol	ND	10		µg/L	1	4/14/2006
Pyrene	ND	10		µg/L	1	4/14/2006
Surr: 1,2-Dichlorobenzene-d4	57.5	41-103		%REC	1	4/14/2006
Surr: 2,4,6-Tribromophenol	96.7	55-137		%REC	1	4/14/2006
Surr: 2-Chlorophenol-d4	68.5	34-117		%REC	1	4/14/2006
Surr: 2-Fluorobiphenyl	73.4	49-114		%REC	1	4/14/2006
Surr: 2-Fluorophenol	41.6	24-74		%REC	1	4/14/2006
Surr: 4-Terphenyl-d14	77.2	42-138		%REC	1	4/14/2006
Surr: Nitrobenzene-d5	80.5	47-115		%REC	1	4/14/2006
Surr: Phenol-d5	30.8	16-63		%REC	1	4/14/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS11_060414A	QC Batch: A06VW095				PrepDate:	Analyst: **HH**

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
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Advanced Technology Laboratories

Date: *21-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083765
Project: I-5 EXPANSION, 105812001
Lab ID: 083765-010

Client Sample ID: NM03-B3-Equip
Collection Date: 4/11/2006 11:30:00 AM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS11_060414A	QC Batch: A06VW095			PrepDate:		Analyst: **HH**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	4/14/2006
1,1,1-Trichloroethane	ND	5.0		µg/L	1	4/14/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	4/14/2006
1,1,2-Trichloroethane	ND	5.0		µg/L	1	4/14/2006
1,1-Dichloroethane	ND	5.0		µg/L	1	4/14/2006
1,1-Dichloroethene	ND	5.0		µg/L	1	4/14/2006
1,1-Dichloropropene	ND	5.0		µg/L	1	4/14/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/L	1	4/14/2006
1,2,3-Trichloropropane	ND	5.0		µg/L	1	4/14/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	4/14/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/L	1	4/14/2006
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	4/14/2006
1,2-Dibromoethane	ND	5.0		µg/L	1	4/14/2006
1,2-Dichlorobenzene	ND	5.0		µg/L	1	4/14/2006
1,2-Dichloroethane	ND	5.0		µg/L	1	4/14/2006
1,2-Dichloropropane	ND	5.0		µg/L	1	4/14/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	4/14/2006
1,3-Dichlorobenzene	ND	5.0		µg/L	1	4/14/2006
1,3-Dichloropropane	ND	5.0		µg/L	1	4/14/2006
1,4-Dichlorobenzene	ND	5.0		µg/L	1	4/14/2006
2,2-Dichloropropane	ND	5.0		µg/L	1	4/14/2006
2-Chlorotoluene	ND	5.0		µg/L	1	4/14/2006
4-Chlorotoluene	ND	5.0		µg/L	1	4/14/2006
4-Isopropyltoluene	ND	5.0		µg/L	1	4/14/2006
Benzene	ND	5.0		µg/L	1	4/14/2006
Bromobenzene	ND	5.0		µg/L	1	4/14/2006
Bromodichloromethane	ND	5.0		µg/L	1	4/14/2006
Bromoform	ND	5.0		µg/L	1	4/14/2006
Bromomethane	ND	5.0		µg/L	1	4/14/2006
Carbon tetrachloride	ND	5.0		µg/L	1	4/14/2006
Chlorobenzene	ND	5.0		µg/L	1	4/14/2006
Chloroethane	ND	5.0		µg/L	1	4/14/2006
Chloroform	ND	5.0		µg/L	1	4/14/2006
Chloromethane	ND	5.0		µg/L	1	4/14/2006
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	4/14/2006
Dibromochloromethane	ND	5.0		µg/L	1	4/14/2006
Dibromomethane	ND	5.0		µg/L	1	4/14/2006
Dichlorodifluoromethane	ND	5.0		µg/L	1	4/14/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *21-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B3-Equip
Lab Order:	083765	**Collection Date:**	4/11/2006 11:30:00 AM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083765-010	**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS11_060414A	QC Batch:	A06VW095			PrepDate:	Analyst: **HH**
Ethylbenzene	ND	5.0		µg/L	1	4/14/2006
Hexachlorobutadiene	ND	5.0		µg/L	1	4/14/2006
Isopropylbenzene	ND	5.0		µg/L	1	4/14/2006
m,p-Xylene	ND	10		µg/L	1	4/14/2006
Methylene chloride	ND	5.0		µg/L	1	4/14/2006
n-Butylbenzene	ND	5.0		µg/L	1	4/14/2006
n-Propylbenzene	ND	5.0		µg/L	1	4/14/2006
Naphthalene	ND	5.0		µg/L	1	4/14/2006
o-Xylene	ND	5.0		µg/L	1	4/14/2006
sec-Butylbenzene	ND	5.0		µg/L	1	4/14/2006
Styrene	ND	5.0		µg/L	1	4/14/2006
tert-Butylbenzene	ND	5.0		µg/L	1	4/14/2006
Tetrachloroethene	ND	5.0		µg/L	1	4/14/2006
Toluene	ND	5.0		µg/L	1	4/14/2006
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	4/14/2006
Trichloroethene	ND	5.0		µg/L	1	4/14/2006
Trichlorofluoromethane	ND	5.0		µg/L	1	4/14/2006
Vinyl chloride	ND	5.0		µg/L	1	4/14/2006
Surr: 1,2-Dichloroethane-d4	86.6	70-126		%REC	1	4/14/2006
Surr: 4-Bromofluorobenzene	95.8	63-134		%REC	1	4/14/2006
Surr: Dibromofluoromethane	89.2	73-124		%REC	1	4/14/2006
Surr: Toluene-d8	96.1	84-123		%REC	1	4/14/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **MB-27631** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/17/2006** RunNo: **62238**
Client ID: **PBS** Batch ID: **27631** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **4/17/2006** SeqNo: **920813**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Cobalt	ND	1.0									
Copper	ND	2.0									
Lead	ND	1.0									
Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	ND	1.0									

Sample ID: **LCS-27631** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/17/2006** RunNo: **62238**
Client ID: **LCSS** Batch ID: **27631** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **4/17/2006** SeqNo: **920814**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	50	2.0	50.00	0	101	80	120				
Arsenic	50	1.0	50.00	0	99.6	80	120				
Barium	54	1.0	50.00	0	107	80	120				
Beryllium	50	1.0	50.00	0	101	80	120				
Cadmium	53	1.0	50.00	0	107	80	120				
Chromium	53	1.0	50.00	0	106	80	120				
Cobalt	51	1.0	50.00	0	101	80	120				
Copper	53	2.0	50.00	0	107	80	120				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083765
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **LCS-27631** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/17/2006** RunNo: **62238**
Client ID: **LCSS** Batch ID: **27631** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **4/17/2006** SeqNo: **920814**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	51	1.0	50.00	0	103	80	120				
Molybdenum	53	1.0	50.00	0	106	80	120				
Nickel	51	1.0	50.00	0.4623	101	80	120				
Selenium	49	1.0	50.00	0	98.9	80	120				
Silver	50	1.0	50.00	0	101	80	120				
Thallium	52	1.0	50.00	0	103	80	120				
Vanadium	53	1.0	50.00	0	106	80	120				
Zinc	51	1.0	50.00	0	103	80	120				

Sample ID: **083791-006ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/17/2006** RunNo: **62238**
Client ID: **ZZZZZZ** Batch ID: **27631** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **4/17/2006** SeqNo: **920825**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0						0	0	20	
Arsenic	1.1	1.0						1.252	16.3	20	
Barium	100	1.0						108.2	3.29	20	
Beryllium	ND	1.0						0	0	20	
Cadmium	ND	1.0						0.3276	0	20	
Chromium	13	1.0						12.43	1.78	20	
Cobalt	7.1	1.0						7.214	0.913	20	
Copper	16	2.0						34.68	75.7	20	R
Lead	7.0	1.0						7.111	1.67	20	
Molybdenum	ND	1.0						0.1433	0	20	
Nickel	13	1.0						14.83	16.4	20	
Selenium	ND	1.0						0	0	20	
Silver	ND	1.0						0	0	20	
Thallium	ND	1.0						0	0	20	
Vanadium	24	1.0						25.68	6.98	20	
Zinc	49	1.0						47.32	4.41	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **083791-006AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/17/2006** RunNo: **62238**
Client ID: **ZZZZZZ** Batch ID: **27631** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **4/17/2006** SeqNo: **920826**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	74	2.0	125.0	0	59.5	25	108				
Arsenic	110	1.0	125.0	1.252	83.2	46	118				
Barium	230	1.0	125.0	108.2	93.5	32	131				
Beryllium	110	1.0	125.0	0	86.5	59	104				
Cadmium	110	1.0	125.0	0.3276	91.3	63	105				
Chromium	130	1.0	125.0	12.43	90.5	49	116				
Cobalt	120	1.0	125.0	7.214	86.9	58	104				
Copper	140	2.0	125.0	34.68	82.6	54	126				
Lead	110	1.0	125.0	7.111	81.3	31	122				
Molybdenum	100	1.0	125.0	0.1433	82.7	61	104				
Nickel	120	1.0	125.0	14.83	85.4	50	112				
Selenium	100	1.0	125.0	0	82.6	53	109				
Silver	110	1.0	125.0	0	85.5	41	121				
Thallium	100	1.0	125.0	0	81.3	54	100				
Vanadium	140	1.0	125.0	25.68	91.5	59	109				
Zinc	150	1.0	125.0	47.32	81.0	27	131				

Sample ID: **083791-006AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/17/2006** RunNo: **62238**
Client ID: **ZZZZZZ** Batch ID: **27631** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **4/17/2006** SeqNo: **920827**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	73	2.0	125.0	0	58.7	25	108	74.32	1.26	20	
Arsenic	100	1.0	125.0	1.252	81.5	46	118	105.3	2.04	20	
Barium	210	1.0	125.0	108.2	85.3	32	131	225.1	4.63	20	
Beryllium	110	1.0	125.0	0	84.9	59	104	108.1	1.88	20	
Cadmium	110	1.0	125.0	0.3276	90.0	63	105	114.4	1.37	20	
Chromium	120	1.0	125.0	12.43	89.4	49	116	125.6	1.11	20	
Cobalt	110	1.0	125.0	7.214	85.9	58	104	115.8	1.01	20	
Copper	130	2.0	125.0	34.68	80.0	54	126	137.9	2.32	20	
Lead	110	1.0	125.0	7.111	80.7	31	122	108.8	0.741	20	
Molybdenum	100	1.0	125.0	0.1433	81.6	61	104	103.5	1.36	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **083791-006AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/17/2006** RunNo: **62238**
Client ID: **ZZZZZZ** Batch ID: **27631** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **4/17/2006** SeqNo: **920827**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	120	1.0	125.0	14.83	84.1	50	112	121.6	1.34	20	
Selenium	100	1.0	125.0	0	81.5	53	109	103.3	1.38	20	
Silver	110	1.0	125.0	0	84.4	41	121	106.8	1.29	20	
Thallium	100	1.0	125.0	0	80.3	54	100	101.7	1.33	20	
Vanadium	140	1.0	125.0	25.68	89.6	59	109	140.1	1.71	20	
Zinc	150	1.0	125.0	47.32	80.7	27	131	148.6	0.238	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **MB-27622A** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/17/2006** RunNo: **62297**
Client ID: **PBS** Batch ID: **27622** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/17/2006** SeqNo: **921777**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID: **LCS-27622** SampType: **LCS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/17/2006** RunNo: **62297**
Client ID: **LCSS** Batch ID: **27622** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/17/2006** SeqNo: **921778**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	250	1.0	250.0	0	98.9	80	120				

Sample ID: **083799-001ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/17/2006** RunNo: **62297**
Client ID: **ZZZZZZ** Batch ID: **27622** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/17/2006** SeqNo: **921782**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.0	1.0						3.190	22.3	20	R

Sample ID: **083799-001AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/17/2006** RunNo: **62297**
Client ID: **ZZZZZZ** Batch ID: **27622** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/17/2006** SeqNo: **921783**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	220	1.0	250.0	3.190	85.9	31	122				

Sample ID: **083799-001AMSD** SampType: **MSD** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/17/2006** RunNo: **62297**
Client ID: **ZZZZZZ** Batch ID: **27622** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/17/2006** SeqNo: **921784**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	220	1.0	250.0	3.190	87.4	31	122	217.9	1.75	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_W

Sample ID: **MB-27613** SampType: **MBLK** TestCode: **6010_W** Units: **mg/L** Prep Date: **4/14/2006** RunNo: **62189**
Client ID: **PBW** Batch ID: **27613** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **4/14/2006** SeqNo: **920109**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	0.0050									
Arsenic	ND	0.010									
Barium	ND	0.0030									
Beryllium	ND	0.0030									
Cadmium	ND	0.0030									
Chromium	ND	0.0030									
Cobalt	ND	0.0030									
Copper	ND	0.0050									
Lead	ND	0.0050									
Molybdenum	ND	0.0050									
Nickel	ND	0.0050									
Selenium	ND	0.010									
Silver	ND	0.0030									
Thallium	ND	0.015									
Vanadium	ND	0.0030									
Zinc	ND	0.010									

Sample ID: **LCS-27613** SampType: **LCS** TestCode: **6010_W** Units: **mg/L** Prep Date: **4/14/2006** RunNo: **62189**
Client ID: **LCSW** Batch ID: **27613** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **4/14/2006** SeqNo: **920110**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.99	0.0050	1.000	0	98.9	85	115				
Arsenic	0.98	0.010	1.000	0	98.0	85	115				
Barium	1.0	0.0030	1.000	0	101	85	115				
Beryllium	0.97	0.0030	1.000	0	96.5	85	115				
Cadmium	1.0	0.0030	1.000	0	102	85	115				
Chromium	0.99	0.0030	1.000	0	98.8	85	115				
Cobalt	0.96	0.0030	1.000	0	95.9	85	115				
Copper	1.0	0.0050	1.000	0	99.9	85	115				
Lead	0.99	0.0050	1.000	0.003210	98.5	85	115				
Molybdenum	1.0	0.0050	1.000	0	100	85	115				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_W

Sample ID: **LCS-27613** SampType: **LCS** TestCode: **6010_W** Units: **mg/L** Prep Date: **4/14/2006** RunNo: **62189**
Client ID: **LCSW** Batch ID: **27613** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **4/14/2006** SeqNo: **920110**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	0.96	0.0050	1.000	0	96.2	85	115				
Selenium	0.97	0.010	1.000	0	96.8	85	115				
Silver	0.96	0.0030	1.000	0	95.9	85	115				
Thallium	0.97	0.015	1.000	0	96.9	85	115				
Vanadium	0.98	0.0030	1.000	0	98.3	85	115				
Zinc	0.98	0.010	1.000	0	97.7	85	115				

Sample ID: **083790-004ADUP** SampType: **DUP** TestCode: **6010_W** Units: **mg/L** Prep Date: **4/14/2006** RunNo: **62189**
Client ID: **ZZZZZZ** Batch ID: **27613** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **4/14/2006** SeqNo: **920117**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.0064	0.0050						0.007121	11.0	20	
Arsenic	0.012	0.010						0.01398	13.7	20	
Barium	0.052	0.0030						0.05312	1.69	20	
Beryllium	ND	0.0030						0	0	20	
Cadmium	ND	0.0030						0	0	20	
Chromium	ND	0.0030						0.001349	0	20	
Cobalt	ND	0.0030						0	0	20	
Copper	ND	0.0050						0	0	20	
Lead	0.0093	0.0050						0.009165	1.12	20	
Molybdenum	0.0094	0.0050						0.009259	1.19	20	
Nickel	ND	0.0050						0	0	20	
Selenium	0.034	0.010						0.02781	20.1	20	R
Silver	ND	0.0030						0	0	20	
Thallium	ND	0.015						0.01092	0	20	
Vanadium	ND	0.0030						0	0	20	
Zinc	ND	0.010						0	0	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_W

Sample ID: **083790-004AMS** SampType: **MS** TestCode: **6010_W** Units: **mg/L** Prep Date: **4/14/2006** RunNo: **62189**
Client ID: **ZZZZZZ** Batch ID: **27613** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **4/14/2006** SeqNo: **920190**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	2.5	0.025	2.500	0.007121	98.6	79	120				
Arsenic	2.5	0.050	2.500	0.01398	97.7	77	122				
Barium	2.5	0.015	2.500	0.05312	98.7	65	130				
Beryllium	2.5	0.015	2.500	0	98.7	85	114				
Cadmium	2.5	0.015	2.500	0	101	81	119				
Chromium	2.4	0.015	2.500	0.001349	97.7	80	118				
Cobalt	2.5	0.015	2.500	0	99.0	67	132				
Copper	2.4	0.025	2.500	0	97.0	84	122				
Lead	2.5	0.025	2.500	0.009165	99.0	78	118				
Molybdenum	2.5	0.025	2.500	0.009259	97.8	86	116				
Nickel	2.5	0.025	2.500	0	99.1	75	123				
Selenium	2.5	0.050	2.500	0.02781	99.6	70	126				
Silver	2.4	0.015	2.500	0	95.3	56	140				
Thallium	2.5	0.075	2.500	0.01092	98.1	77	114				
Vanadium	2.4	0.015	2.500	0	97.8	77	123				
Zinc	2.5	0.050	2.500	0	99.1	70	127				

Sample ID: **083790-004AMSD** SampType: **MSD** TestCode: **6010_W** Units: **mg/L** Prep Date: **4/14/2006** RunNo: **62189**
Client ID: **ZZZZZZ** Batch ID: **27613** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **4/14/2006** SeqNo: **920191**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	2.5	0.025	2.500	0.007121	98.4	79	120	2.471	0.160	20	
Arsenic	2.4	0.050	2.500	0.01398	97.1	77	122	2.456	0.545	20	
Barium	2.6	0.015	2.500	0.05312	99.9	65	130	2.520	1.24	20	
Beryllium	2.5	0.015	2.500	0	101	85	114	2.469	2.03	20	
Cadmium	2.6	0.015	2.500	0	102	81	119	2.531	1.07	20	
Chromium	2.5	0.015	2.500	0.001349	99.0	80	118	2.444	1.26	20	
Cobalt	2.5	0.015	2.500	0	100	67	132	2.476	1.30	20	
Copper	2.5	0.025	2.500	0	98.3	84	122	2.425	1.34	20	
Lead	2.5	0.025	2.500	0.009165	99.1	78	118	2.484	0.0906	20	
Molybdenum	2.5	0.025	2.500	0.009259	98.7	86	116	2.455	0.853	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Work Order: 083765
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_W

Sample ID: **083790-004AMSD** SampType: **MSD** TestCode: **6010_W** Units: **mg/L** Prep Date: **4/14/2006** RunNo: **62189**
Client ID: **ZZZZZZ** Batch ID: **27613** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **4/14/2006** SeqNo: **920191**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	2.5	0.025	2.500	0	99.4	75	123	2.478	0.289	20	
Selenium	2.5	0.050	2.500	0.02781	99.3	70	126	2.519	0.329	20	
Silver	2.4	0.015	2.500	0	96.7	56	140	2.382	1.45	20	
Thallium	2.5	0.075	2.500	0.01092	97.7	77	114	2.463	0.346	20	
Vanadium	2.5	0.015	2.500	0	99.1	77	123	2.445	1.33	20	
Zinc	2.5	0.050	2.500	0	99.1	70	127	2.478	0.00323	20	

Sample ID: **083790-004AMS** SampType: **MS** TestCode: **6010_W** Units: **mg/L** Prep Date: **4/14/2006** RunNo: **62233**
Client ID: **ZZZZZZ** Batch ID: **27613** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **4/17/2006** SeqNo: **920743**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	2.4	0.015	2.500	0.001349	96.7	80	118				

Sample ID: **083790-004AMSD** SampType: **MSD** TestCode: **6010_W** Units: **mg/L** Prep Date: **4/14/2006** RunNo: **62233**
Client ID: **ZZZZZZ** Batch ID: **27613** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **4/17/2006** SeqNo: **920744**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	2.4	0.015	2.500	0.001349	97.8	80	118	2.444	0.104	20	

Sample ID: **MB-27613** SampType: **MBLK** TestCode: **6010_W** Units: **mg/L** Prep Date: **4/14/2006** RunNo: **62325**
Client ID: **PBW** Batch ID: **27613** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **4/18/2006** SeqNo: **922364**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	0.0050									
Arsenic	ND	0.010									
Barium	ND	0.0030									
Beryllium	ND	0.0030									
Cadmium	ND	0.0030									
Chromium	ND	0.0030									
Cobalt	ND	0.0030									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_W

Sample ID: **MB-27613** SampType: **MBLK** TestCode: **6010_W** Units: **mg/L** Prep Date: **4/14/2006** RunNo: **62325**
Client ID: **PBW** Batch ID: **27613** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **4/18/2006** SeqNo: **922364**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	0.0050									
Lead	ND	0.0050									
Molybdenum	ND	0.0050									
Nickel	ND	0.0050									
Selenium	ND	0.010									
Silver	ND	0.0030									
Thallium	ND	0.015									
Vanadium	ND	0.0030									
Zinc	ND	0.010									

Sample ID: **LCS-27613** SampType: **LCS** TestCode: **6010_W** Units: **mg/L** Prep Date: **4/14/2006** RunNo: **62325**
Client ID: **LCSW** Batch ID: **27613** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **4/18/2006** SeqNo: **922365**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	1.0	0.0050	1.000	0	104	85	115				
Arsenic	1.0	0.010	1.000	0	101	85	115				
Barium	1.1	0.0030	1.000	0	108	85	115				
Beryllium	1.0	0.0030	1.000	0	101	85	115				
Cadmium	1.1	0.0030	1.000	0	107	85	115				
Chromium	1.1	0.0030	1.000	0	107	85	115				
Cobalt	1.0	0.0030	1.000	0	101	85	115				
Copper	1.1	0.0050	1.000	0	107	85	115				
Lead	1.0	0.0050	1.000	0.003210	102	85	115				
Molybdenum	1.1	0.0050	1.000	0	106	85	115				
Nickel	1.0	0.0050	1.000	0	101	85	115				
Selenium	1.0	0.010	1.000	0	101	85	115				
Silver	1.0	0.0030	1.000	0	102	85	115				
Thallium	1.0	0.015	1.000	0	104	85	115				
Vanadium	1.1	0.0030	1.000	0	106	85	115				
Zinc	1.0	0.010	1.000	0	102	85	115				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_W

Sample ID: **083790-004ADUP** SampType: **DUP** TestCode: **6010_W** Units: **mg/L** Prep Date: **4/14/2006** RunNo: **62325**
Client ID: **ZZZZZZ** Batch ID: **27613** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **4/18/2006** SeqNo: **922374**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	0.025						0.007121	0	20	
Arsenic	ND	0.050						0.01398	0	20	
Barium	0.052	0.015						0.05312	3.02	20	
Beryllium	ND	0.015						0	0	20	
Cadmium	ND	0.015						0	0	20	
Chromium	ND	0.015						0.001349	0	20	
Cobalt	ND	0.015						0	0	20	
Copper	ND	0.025						0	0	20	
Lead	ND	0.025						0.009165	0	20	
Molybdenum	ND	0.025						0.009259	0	20	
Nickel	ND	0.025						0	0	20	
Selenium	ND	0.050						0.02781	0	20	
Silver	ND	0.015						0	0	20	
Thallium	ND	0.075						0.01092	0	20	
Vanadium	ND	0.015						0	0	20	
Zinc	ND	0.050						0	0	20	

Sample ID: **083790-004AMS** SampType: **MS** TestCode: **6010_W** Units: **mg/L** Prep Date: **4/14/2006** RunNo: **62325**
Client ID: **ZZZZZZ** Batch ID: **27613** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **4/18/2006** SeqNo: **922375**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	2.5	0.025	2.500	0.007121	97.9	79	120				
Arsenic	2.4	0.050	2.500	0.01398	95.2	77	122				
Barium	2.5	0.015	2.500	0.05312	97.8	65	130				
Beryllium	2.5	0.015	2.500	0	98.4	85	114				
Cadmium	2.5	0.015	2.500	0	101	81	119				
Chromium	2.5	0.015	2.500	0.001349	98.4	80	118				
Cobalt	2.5	0.015	2.500	0	98.4	67	132				
Copper	2.4	0.025	2.500	0	95.5	84	122				
Lead	2.4	0.025	2.500	0.009165	95.9	78	118				
Molybdenum	2.5	0.025	2.500	0.009259	97.9	86	116				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_W

Sample ID: **083790-004AMS**	SampType: **MS**	TestCode: **6010_W**	Units: **mg/L**	Prep Date: **4/14/2006**	RunNo: **62325**
Client ID: **ZZZZZZ**	Batch ID: **27613**	TestNo: **EPA 6010B**	**EPA 3010A**	Analysis Date: **4/18/2006**	SeqNo: **922375**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	2.4	0.025	2.500	0	97.2	75	123				
Selenium	2.4	0.050	2.500	0.02781	95.6	70	126				
Silver	2.4	0.015	2.500	0	95.0	56	140				
Thallium	2.5	0.075	2.500	0.01092	98.7	77	114				
Vanadium	2.4	0.015	2.500	0	97.4	77	123				
Zinc	2.4	0.050	2.500	0	96.8	70	127				

Sample ID: **083790-004AMSD**	SampType: **MSD**	TestCode: **6010_W**	Units: **mg/L**	Prep Date: **4/14/2006**	RunNo: **62325**
Client ID: **ZZZZZZ**	Batch ID: **27613**	TestNo: **EPA 6010B**	**EPA 3010A**	Analysis Date: **4/18/2006**	SeqNo: **922376**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	2.4	0.025	2.500	0.007121	97.7	79	120	2.471	0.906	20	
Arsenic	2.4	0.050	2.500	0.01398	95.6	77	122	2.456	2.11	20	
Barium	2.5	0.015	2.500	0.05312	97.6	65	130	2.520	1.03	20	
Beryllium	2.4	0.015	2.500	0	97.6	85	114	2.469	1.12	20	
Cadmium	2.5	0.015	2.500	0	100	81	119	2.531	0.919	20	
Chromium	2.5	0.015	2.500	0.001349	98.3	80	118	2.444	0.575	20	
Cobalt	2.4	0.015	2.500	0	97.7	67	132	2.476	1.34	20	
Copper	2.4	0.025	2.500	0	95.7	84	122	2.425	1.37	20	
Lead	2.4	0.025	2.500	0.009165	95.4	78	118	2.484	3.71	20	
Molybdenum	2.4	0.025	2.500	0.009259	97.4	86	116	2.455	0.429	20	
Nickel	2.4	0.025	2.500	0	97.2	75	123	2.478	1.94	20	
Selenium	2.4	0.050	2.500	0.02781	94.4	70	126	2.519	5.37	20	
Silver	2.4	0.015	2.500	0	95.1	56	140	2.382	0.202	20	
Thallium	2.5	0.075	2.500	0.01092	98.2	77	114	2.463	0.0659	20	
Vanadium	2.4	0.015	2.500	0	97.5	77	123	2.445	0.305	20	
Zinc	2.4	0.050	2.500	0	96.9	70	127	2.478	2.29	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7470_W

Sample ID: 083790-004A-DUP	SampType: DUP	TestCode: 7470_W	Units: µg/L	Prep Date: 4/14/2006	RunNo: 62188
Client ID: ZZZZZZ	Batch ID: 27614	TestNo: EPA 7470A	EPA 7470	Analysis Date: 4/14/2006	SeqNo: 920104

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.20						0.1207	0	20	

Sample ID: 083790-004A-MS	SampType: MS	TestCode: 7470_W	Units: µg/L	Prep Date: 4/14/2006	RunNo: 62188
Client ID: ZZZZZZ	Batch ID: 27614	TestNo: EPA 7470A	EPA 7470	Analysis Date: 4/14/2006	SeqNo: 920105

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	25	0.20	25.00	0.1207	101	70	130				

Sample ID: 083790-004A-MSD	SampType: MSD	TestCode: 7470_W	Units: µg/L	Prep Date: 4/14/2006	RunNo: 62188
Client ID: ZZZZZZ	Batch ID: 27614	TestNo: EPA 7470A	EPA 7470	Analysis Date: 4/14/2006	SeqNo: 920106

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	26	0.20	25.00	0.1207	104	70	130	25.49	2.50	20	

Sample ID: LCS-27614	SampType: LCS	TestCode: 7470_W	Units: µg/L	Prep Date: 4/14/2006	RunNo: 62188
Client ID: LCSW	Batch ID: 27614	TestNo: EPA 7470A	EPA 7470	Analysis Date: 4/14/2006	SeqNo: 920107

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	25	0.20	25.00	0	100	85	115				

Sample ID: MB-27614	SampType: MBLK	TestCode: 7470_W	Units: µg/L	Prep Date: 4/14/2006	RunNo: 62188
Client ID: PBW	Batch ID: 27614	TestNo: EPA 7470A	EPA 7470	Analysis Date: 4/14/2006	SeqNo: 920108

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.20									

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interferenc	DO	Surrogate Diluted Out
	Calculations are based on raw values				

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: 083791-006A-DUP	SampType: DUP	TestCode: 7471_S	Units: mg/Kg	Prep Date: 4/17/2006	RunNo: 62252
Client ID: ZZZZZZ	Batch ID: 27630	TestNo: EPA 7471A	EPA 7471	Analysis Date: 4/17/2006	SeqNo: 921023

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10						0	0	20	

Sample ID: 083791-006A-MS	SampType: MS	TestCode: 7471_S	Units: mg/Kg	Prep Date: 4/17/2006	RunNo: 62252
Client ID: ZZZZZZ	Batch ID: 27630	TestNo: EPA 7471A	EPA 7471	Analysis Date: 4/17/2006	SeqNo: 921024

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.96	0.10	0.8300	0	116	52	163				

Sample ID: 083791-006A-MSD	SampType: MSD	TestCode: 7471_S	Units: mg/Kg	Prep Date: 4/17/2006	RunNo: 62252
Client ID: ZZZZZZ	Batch ID: 27630	TestNo: EPA 7471A	EPA 7471	Analysis Date: 4/17/2006	SeqNo: 921025

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.98	0.10	0.8300	0	118	52	163	0.9604	1.87	20	

Sample ID: LCS-27630	SampType: LCS	TestCode: 7471_S	Units: mg/Kg	Prep Date: 4/17/2006	RunNo: 62252
Client ID: LCSS	Batch ID: 27630	TestNo: EPA 7471A	EPA 7471	Analysis Date: 4/17/2006	SeqNo: 921026

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.2	0.10	2.080	0	106	80	120				

Sample ID: MB-27630	SampType: MBLK	TestCode: 7471_S	Units: mg/Kg	Prep Date: 4/17/2006	RunNo: 62252
Client ID: PBS	Batch ID: 27630	TestNo: EPA 7471A	EPA 7471	Analysis Date: 4/17/2006	SeqNo: 921027

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interferenc	DO	Surrogate Diluted Out
	Calculations are based on raw values				

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Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DSL H

Sample ID: **MB-27623** SampType: **MBLK** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **4/14/2006** RunNo: **62231**
Client ID: **PBS** Batch ID: **27623** TestNo: **EPA 8015B(M LUFT** Analysis Date: **4/14/2006** SeqNo: **920690**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	10									
Surr: p-Terphenyl	72		80.00		89.8	56	131				

Sample ID: **LCS-27623** SampType: **LCS** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **4/14/2006** RunNo: **62231**
Client ID: **LCSS** Batch ID: **27623** TestNo: **EPA 8015B(M LUFT** Analysis Date: **4/14/2006** SeqNo: **920691**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1200	10	1000	0	116	67	131				
Surr: p-Terphenyl	92		80.00		114	56	131				

Sample ID: **083765-004AMS** SampType: **MS** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **4/14/2006** RunNo: **62231**
Client ID: **NM03-B3-11.0** Batch ID: **27623** TestNo: **EPA 8015B(M LUFT** Analysis Date: **4/14/2006** SeqNo: **920692**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1000	10	1000	0	103	49	140				
Surr: p-Terphenyl	80		80.00		99.5	56	131				

Sample ID: **083765-004AMSD** SampType: **MSD** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **4/14/2006** RunNo: **62231**
Client ID: **NM03-B3-11.0** Batch ID: **27623** TestNo: **EPA 8015B(M LUFT** Analysis Date: **4/14/2006** SeqNo: **920693**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1100	10	1000	0	106	49	140	1027	3.25	30	
Surr: p-Terphenyl	82		80.00		102	56	131		0	30	

Sample ID: **083765-004ADUP** SampType: **DUP** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **4/14/2006** RunNo: **62231**
Client ID: **NM03-B3-11.0** Batch ID: **27623** TestNo: **EPA 8015B(M LUFT** Analysis Date: **4/14/2006** SeqNo: **920694**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	10						0	0	30	
Surr: p-Terphenyl	66		80.00		82.6	56	131		0	0	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Work Order: 083765
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID: **E041406MB1** SampType: **MBLK** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **62239**
Client ID: **PBS** Batch ID: **E06VS082** TestNo: **EPA 8015B(M** Analysis Date: **4/14/2006** SeqNo: **921007**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0									
Surr: Bromofluorobenzene (FID)	85		100.0		84.9	42	138				

Sample ID: **083765-004A** SampType: **DUP** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **62239**
Client ID: **NM03-B3-11.0** Batch ID: **E06VS082** TestNo: **EPA 8015B(M** Analysis Date: **4/14/2006** SeqNo: **921009**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0						0	0	30	
Surr: Bromofluorobenzene (FID)	79		100.0		78.6	42	138		0	0	

Sample ID: **E041406LCS2** SampType: **LCS** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **62239**
Client ID: **LCSS** Batch ID: **E06VS082** TestNo: **EPA 8015B(M** Analysis Date: **4/14/2006** SeqNo: **921012**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.2	1.0	5.000	0	83.5	78	122				
Surr: Bromofluorobenzene (FID)	92		100.0		91.9	42	138				

Sample ID: **083765-004AMS** SampType: **MS** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **62239**
Client ID: **NM03-B3-11.0** Batch ID: **E06VS082** TestNo: **EPA 8015B(M** Analysis Date: **4/14/2006** SeqNo: **921013**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.2	1.0	5.000	0	84.0	34	140				
Surr: Bromofluorobenzene (FID)	94		100.0		93.6	42	138				

Sample ID: **083765-004AMSD** SampType: **MSD** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **62239**
Client ID: **NM03-B3-11.0** Batch ID: **E06VS082** TestNo: **EPA 8015B(M** Analysis Date: **4/14/2006** SeqNo: **921014**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0	5.000	0	0	34	140	4.201	0	30	S
Surr: Bromofluorobenzene (FID)	6.7		100.0		6.73	42	138		0	30	S

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_DSL H

Sample ID: **MB-27629** SampType: **MBLK** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/17/2006** RunNo: **62303**
Client ID: **PBW** Batch ID: **27629** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/17/2006** SeqNo: **922079**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	0.20									
Surr: p-Terphenyl	0.039		0.08000		49.4	32	125				

Sample ID: **LCS-27629** SampType: **LCS** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/17/2006** RunNo: **62303**
Client ID: **LCSW** Batch ID: **27629** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/17/2006** SeqNo: **922080**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.80	0.20	1.000	0	80.1	60	130				
Surr: p-Terphenyl	0.030		0.08000		37.4	32	125				

Sample ID: **MB-27629MS** SampType: **MS** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/17/2006** RunNo: **62303**
Client ID: **ZZZZZZ** Batch ID: **27629** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/17/2006** SeqNo: **922081**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.83	0.20	1.000	0	83.0	60	130				
Surr: p-Terphenyl	0.029		0.08000		36.2	32	125				

Sample ID: **MB-27629MSD** SampType: **MSD** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/17/2006** RunNo: **62303**
Client ID: **ZZZZZZ** Batch ID: **27629** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/17/2006** SeqNo: **922082**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.78	0.20	1.000	0	78.0	60	130	0.8300	6.27	40	
Surr: p-Terphenyl	0.026		0.08000		32.9	32	125		0	0	

Sample ID: **083765-009DDUP** SampType: **DUP** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/17/2006** RunNo: **62303**
Client ID: **NM03-B3-GW** Batch ID: **27629** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/17/2006** SeqNo: **922084**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	0.20						0	0	30	
Surr: p-Terphenyl	0.072		0.08000		89.6	32	125		0	0	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_DSL H

Sample ID: **MB-27629**	SampType: **MBLK**	TestCode: **8015_W_DSL**	Units: **mg/L**	Prep Date: **4/17/2006**	RunNo: **62303**
Client ID: **PBW**	Batch ID: **27629**	TestNo: **EPA 8015B(M**	**EPA 3510C**	Analysis Date: **4/18/2006**	SeqNo: **922910**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	0.20									
Surr: p-Terphenyl	0.040		0.08000		50.3	32	125				

Sample ID: **LCS-27629**	SampType: **LCS**	TestCode: **8015_W_DSL**	Units: **mg/L**	Prep Date: **4/17/2006**	RunNo: **62303**
Client ID: **LCSW**	Batch ID: **27629**	TestNo: **EPA 8015B(M**	**EPA 3510C**	Analysis Date: **4/18/2006**	SeqNo: **922911**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.79	0.20	1.000	0	78.8	60	130				
Surr: p-Terphenyl	0.033		0.08000		40.8	32	125				

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interferenc	DO	Surrogate Diluted Out
	Calculations are based on raw values				

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_G PRES

Sample ID: **I041306LCS1** SampType: **LCS** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **62099**
Client ID: **LCSW** Batch ID: **I06VW095** TestNo: **EPA 8015B(M** Analysis Date: **4/13/2006** SeqNo: **919584**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.89	0.20	1.000	0	89.1	71	122				
Surr: Bromofluorobenzene (FID)	100		100.0		105	76	125				

Sample ID: **I041306MB2MS** SampType: **MS** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **62099**
Client ID: **ZZZZZZ** Batch ID: **I06VW095** TestNo: **EPA 8015B(M** Analysis Date: **4/13/2006** SeqNo: **919585**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.87	0.20	1.000	0	87.4	71	122				
Surr: Bromofluorobenzene (FID)	110		100.0		106	76	125				

Sample ID: **I041306MB2MSD** SampType: **MSD** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **62099**
Client ID: **ZZZZZZ** Batch ID: **I06VW095** TestNo: **EPA 8015B(M** Analysis Date: **4/13/2006** SeqNo: **919586**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.96	0.20	1.000	0	95.8	71	122	0.8740	9.17	30	
Surr: Bromofluorobenzene (FID)	110		100.0		108	76	125		0	0	

Sample ID: **I041306MB2** SampType: **MBLK** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **62099**
Client ID: **PBW** Batch ID: **I06VW095** TestNo: **EPA 8015B(M** Analysis Date: **4/13/2006** SeqNo: **919587**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.20									
Surr: Bromofluorobenzene (FID)	100		100.0		103	76	125				

Sample ID: **083765-009B** SampType: **DUP** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **62099**
Client ID: **NM03-B3-GW** Batch ID: **I06VW095** TestNo: **EPA 8015B(M** Analysis Date: **4/13/2006** SeqNo: **919590**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.20						0.06500	0	30	
Surr: Bromofluorobenzene (FID)	100		100.0		100	76	125		0	0	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
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DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **P060414LC1** SampType: **LCS** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **62177**
Client ID: **LCSS** Batch ID: **P06VS068** TestNo: **EPA 8260B** Analysis Date: **4/14/2006** SeqNo: **919906**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	110	5.0	100.0	0	106	76	126				
Benzene	100	5.0	100.0	0	104	77	131				
Chlorobenzene	110	5.0	100.0	0	111	81	136				
Toluene	98	5.0	100.0	1.220	97.1	78	129				
Trichloroethene	110	5.0	100.0	0	109	78	136				
Surr: 1,2-Dichloroethane-d4	46		50.00		91.9	58	138				
Surr: 4-Bromofluorobenzene	52		50.00		104	74	130				
Surr: Dibromofluoromethane	48		50.00		96.8	58	135				
Surr: Toluene-d8	52		50.00		104	84	130				

Sample ID: **P060414MS** SampType: **MS** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **62177**
Client ID: **ZZZZZZ** Batch ID: **P06VS068** TestNo: **EPA 8260B** Analysis Date: **4/14/2006** SeqNo: **919907**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	110	5.0	100.0	0	107	59	146				
Benzene	110	5.0	100.0	0	107	68	137				
Chlorobenzene	110	5.0	100.0	0	111	64	144				
Toluene	99	5.0	100.0	1.220	97.4	53	150				
Trichloroethene	110	5.0	100.0	0	114	58	155				
Surr: 1,2-Dichloroethane-d4	46		50.00		92.4	58	138				
Surr: 4-Bromofluorobenzene	51		50.00		103	74	130				
Surr: Dibromofluoromethane	48		50.00		96.9	58	135				
Surr: Toluene-d8	52		50.00		104	84	130				

Sample ID: **P060414MSD** SampType: **MSD** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **62177**
Client ID: **ZZZZZZ** Batch ID: **P06VS068** TestNo: **EPA 8260B** Analysis Date: **4/14/2006** SeqNo: **919908**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	100	5.0	100.0	0	103	59	146				
Benzene	110	5.0	100.0	0	108	68	137				
Chlorobenzene	110	5.0	100.0	0	113	64	144				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **P060414MSD** SampType: **MSD** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **62177**
Client ID: **ZZZZZZ** Batch ID: **P06VS068** TestNo: **EPA 8260B** Analysis Date: **4/14/2006** SeqNo: **919908**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	98	5.0	100.0	1.220	97.1	53	150				
Trichloroethene	110	5.0	100.0	0	111	58	155				
Surr: 1,2-Dichloroethane-d4	45		50.00		89.5	58	138				
Surr: 4-Bromofluorobenzene	52		50.00		105	74	130				
Surr: Dibromofluoromethane	48		50.00		95.5	58	135				
Surr: Toluene-d8	53		50.00		105	84	130				

Sample ID: **P060414MB1** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **62177**
Client ID: **PBS** Batch ID: **P06VS068** TestNo: **EPA 8260B** Analysis Date: **4/14/2006** SeqNo: **919909**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **P060414MB1** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **62177**
Client ID: **PBS** Batch ID: **P06VS068** TestNo: **EPA 8260B** Analysis Date: **4/14/2006** SeqNo: **919909**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **P060414MB1** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **62177**
Client ID: **PBS** Batch ID: **P06VS068** TestNo: **EPA 8260B** Analysis Date: **4/14/2006** SeqNo: **919909**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	46		50.00		91.4	58	138				
Surr: 4-Bromofluorobenzene	52		50.00		104	74	130				
Surr: Dibromofluoromethane	47		50.00		93.1	58	135				
Surr: Toluene-d8	51		50.00		102	84	130				

Sample ID: **083765-004A** SampType: **DUP** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **62177**
Client ID: **NM03-B3-11.0** Batch ID: **P06VS068** TestNo: **EPA 8260B** Analysis Date: **4/14/2006** SeqNo: **920458**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0						0	0	30	
1,1,1-Trichloroethane	ND	5.0						0	0	30	
1,1,2,2-Tetrachloroethane	ND	5.0						0	0	30	
1,1,2-Trichloroethane	ND	5.0						0	0	30	
1,1-Dichloroethane	ND	5.0						0	0	30	
1,1-Dichloroethene	ND	5.0						0	0	30	
1,1-Dichloropropene	ND	5.0						0	0	30	
1,2,3-Trichlorobenzene	ND	5.0						0	0	30	
1,2,3-Trichloropropane	ND	5.0						0	0	30	
1,2,4-Trichlorobenzene	ND	5.0						0	0	30	
1,2,4-Trimethylbenzene	ND	5.0						0	0	30	
1,2-Dibromo-3-chloropropane	ND	10						0	0	30	
1,2-Dibromoethane	ND	5.0						0	0	30	
1,2-Dichlorobenzene	ND	5.0						0	0	30	
1,2-Dichloroethane	ND	5.0						0	0	30	
1,2-Dichloropropane	ND	5.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 083765
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **083765-004A** SampType: **DUP** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **62177**
Client ID: **NM03-B3-11.0** Batch ID: **P06VS068** TestNo: **EPA 8260B** Analysis Date: **4/14/2006** SeqNo: **920458**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trimethylbenzene	ND	5.0						0	0	30	
1,3-Dichlorobenzene	ND	5.0						0	0	30	
1,3-Dichloropropane	ND	5.0						0	0	30	
1,4-Dichlorobenzene	ND	5.0						0	0	30	
2,2-Dichloropropane	ND	5.0						0	0	30	
2-Butanone	ND	50						0	0	30	
2-Chloroethyl vinyl ether	ND	5.0						0	0	30	
2-Chlorotoluene	ND	5.0						0	0	30	
2-Hexanone	ND	50						0	0	30	
4-Chlorotoluene	ND	5.0						0	0	30	
4-Isopropyltoluene	ND	5.0						0	0	30	
4-Methyl-2-pentanone	ND	50						0	0	30	
Acetone	ND	50						0	0	30	
Acrolein	ND	50						0	0	30	
Acrylonitrile	ND	50						0	0	30	
Benzene	ND	5.0						0	0	30	
Bromobenzene	ND	5.0						0	0	30	
Bromochloromethane	ND	5.0						0	0	30	
Bromodichloromethane	ND	5.0						0	0	30	
Bromoform	ND	5.0						0	0	30	
Bromomethane	ND	5.0						0	0	30	
Carbon disulfide	ND	5.0						0	0	30	
Carbon tetrachloride	ND	5.0						0	0	30	
Chlorobenzene	ND	5.0						0	0	30	
Chloroethane	ND	5.0						0	0	30	
Chloroform	ND	5.0						0	0	30	
Chloromethane	ND	5.0						0	0	30	
cis-1,2-Dichloroethene	ND	5.0						0	0	30	
cis-1,3-Dichloropropene	ND	5.0						0	0	30	
Cyclohexanone	ND	50						0	0	30	
Di-isopropyl ether	ND	5.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 083765
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **083765-004A** SampType: **DUP** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **62177**
Client ID: **NM03-B3-11.0** Batch ID: **P06VS068** TestNo: **EPA 8260B** Analysis Date: **4/14/2006** SeqNo: **920458**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	ND	5.0						0	0	30	
Dibromomethane	ND	5.0						0	0	30	
Dichlorodifluoromethane	ND	5.0						0	0	30	
Ethyl Acetate	ND	50						0	0	30	
Ethyl Ether	ND	50						0	0	30	
Ethyl Tert-butyl ether	ND	5.0						0	0	30	
Ethylbenzene	ND	5.0						0	0	30	
Freon-113	ND	5.0						0	0	30	
Hexachlorobutadiene	ND	5.0						0	0	30	
Iodomethane	ND	5.0						0	0	30	
Isopropylbenzene	ND	5.0						0	0	30	
m,p-Xylene	ND	10						0	0	30	
Methylene chloride	ND	5.0						0	0	30	
MTBE	ND	5.0						0	0	30	
n-Butylbenzene	ND	5.0						0	0	30	
n-Propylbenzene	ND	5.0						0	0	30	
Naphthalene	ND	5.0						0	0	30	
o-Xylene	ND	5.0						0	0	30	
sec-Butylbenzene	ND	5.0						0	0	30	
Styrene	ND	5.0						0	0	30	
Tert-amyl methyl ether	ND	5.0						0	0	30	
Tert-Butanol	ND	100						0	0	30	
tert-Butylbenzene	ND	5.0						0	0	30	
Tetrachloroethene	ND	5.0						0	0	30	
Toluene	ND	5.0						0	0	30	
trans-1,2-Dichloroethene	ND	5.0						0	0	30	
trans-1,3-Dichloropropene	ND	5.0						0	0	30	
Trichloroethene	ND	5.0						0	0	30	
Trichlorofluoromethane	ND	5.0						0	0	30	
Vinyl acetate	ND	50						0	0	30	
Vinyl chloride	ND	5.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083765
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **083765-004A** SampType: **DUP** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **62177**
Client ID: **NM03-B3-11.0** Batch ID: **P06VS068** TestNo: **EPA 8260B** Analysis Date: **4/14/2006** SeqNo: **920458**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Xylenes, Total	ND	15						0	0	30	
Surr: 1,2-Dichloroethane-d4	48		50.00		95.9	58	138		0	30	
Surr: 4-Bromofluorobenzene	51		50.00		103	74	130		0	30	
Surr: Dibromofluoromethane	48		50.00		96.3	58	135		0	30	
Surr: Toluene-d8	51		50.00		103	84	130		0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
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H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Work Order: 083765
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **A041406LC1** SampType: **LCS** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **62178**
Client ID: **LCSW** Batch ID: **A06VW095** TestNo: **EPA 8260B** Analysis Date: **4/14/2006** SeqNo: **919915**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	22	5.0	20.00	0	111	76	132				
Benzene	21	5.0	20.00	0	105	90	123				
Chlorobenzene	21	5.0	20.00	0	104	76	118				
Toluene	21	5.0	20.00	0	103	91	124				
Trichloroethene	21	5.0	20.00	0	105	87	125				
Surr: 1,2-Dichloroethane-d4	43		50.00		86.1	70	126				
Surr: 4-Bromofluorobenzene	48		50.00		95.8	63	134				
Surr: Dibromofluoromethane	44		50.00		89.0	73	124				
Surr: Toluene-d8	48		50.00		95.5	84	123				

Sample ID: **A041406MB1MS** SampType: **MS** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **62178**
Client ID: **ZZZZZZ** Batch ID: **A06VW095** TestNo: **EPA 8260B** Analysis Date: **4/14/2006** SeqNo: **919916**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	22	5.0	20.00	0	110	76	132				
Benzene	21	5.0	20.00	0	106	90	123				
Chlorobenzene	22	5.0	20.00	0	108	76	118				
Toluene	21	5.0	20.00	0	104	91	124				
Trichloroethene	21	5.0	20.00	0	104	87	125				
Surr: 1,2-Dichloroethane-d4	43		50.00		86.0	70	126				
Surr: 4-Bromofluorobenzene	51		50.00		101	63	134				
Surr: Dibromofluoromethane	45		50.00		89.3	73	124				
Surr: Toluene-d8	48		50.00		95.2	84	123				

Sample ID: **A041406MB1MSD** SampType: **MSD** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **62178**
Client ID: **ZZZZZZ** Batch ID: **A06VW095** TestNo: **EPA 8260B** Analysis Date: **4/14/2006** SeqNo: **919917**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	22	5.0	20.00	0	110	76	132	22.04	0.364	30	
Benzene	21	5.0	20.00	0	105	90	123	21.13	0.856	30	
Chlorobenzene	21	5.0	20.00	0	107	76	118	21.55	0.792	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
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Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **A041406MB1MSD** SampType: **MSD** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **62178**
Client ID: **ZZZZZZ** Batch ID: **A06VW095** TestNo: **EPA 8260B** Analysis Date: **4/14/2006** SeqNo: **919917**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	21	5.0	20.00	0	104	91	124	20.71	0.193	30	
Trichloroethene	21	5.0	20.00	0	105	87	125	20.79	0.814	30	
Surr: 1,2-Dichloroethane-d4	43		50.00		86.3	70	126		0	30	
Surr: 4-Bromofluorobenzene	51		50.00		101	63	134		0	30	
Surr: Dibromofluoromethane	44		50.00		88.5	73	124		0	30	
Surr: Toluene-d8	48		50.00		95.5	84	123		0	30	

Sample ID: **A041406MB1** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **62178**
Client ID: **PBW** Batch ID: **A06VW095** TestNo: **EPA 8260B** Analysis Date: **4/14/2006** SeqNo: **919918**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	5.0									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083765
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **A041406MB1** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **62178**
Client ID: **PBW** Batch ID: **A06VW095** TestNo: **EPA 8260B** Analysis Date: **4/14/2006** SeqNo: **919918**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
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CLIENT: Ninyo & Moore
Work Order: 083765
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **A041406MB1** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **62178**
Client ID: **PBW** Batch ID: **A06VW095** TestNo: **EPA 8260B** Analysis Date: **4/14/2006** SeqNo: **919918**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	42		50.00		84.4	70	126				
Surr: 4-Bromofluorobenzene	49		50.00		97.4	63	134				
Surr: Dibromofluoromethane	44		50.00		87.9	73	124				
Surr: Toluene-d8	47		50.00		94.1	84	123				

Sample ID: **083764-008ADUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **62178**
Client ID: **ZZZZZZ** Batch ID: **A06VW095** TestNo: **EPA 8260B** Analysis Date: **4/14/2006** SeqNo: **920755**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0						0	0	30	
1,1,1-Trichloroethane	ND	5.0						0	0	30	
1,1,2,2-Tetrachloroethane	ND	5.0						0	0	30	
1,1,2-Trichloroethane	ND	5.0						0	0	30	
1,1-Dichloroethane	ND	5.0						0	0	30	
1,1-Dichloroethene	ND	5.0						0	0	30	
1,1-Dichloropropene	ND	5.0						0	0	30	
1,2,3-Trichlorobenzene	ND	5.0						0	0	30	
1,2,3-Trichloropropane	ND	5.0						0	0	30	
1,2,4-Trichlorobenzene	ND	5.0						0	0	30	
1,2,4-Trimethylbenzene	ND	5.0						0	0	30	
1,2-Dibromo-3-chloropropane	ND	5.0						0	0	30	
1,2-Dibromoethane	ND	5.0						0	0	30	
1,2-Dichlorobenzene	ND	5.0						0	0	30	
1,2-Dichloroethane	ND	5.0						3.970	0	30	
1,2-Dichloropropane	ND	5.0						4.130	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083765
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **083764-008ADUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **62178**
Client ID: **ZZZZZZ** Batch ID: **A06VW095** TestNo: **EPA 8260B** Analysis Date: **4/14/2006** SeqNo: **920755**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trimethylbenzene	ND	5.0						0	0	30	
1,3-Dichlorobenzene	ND	5.0						0	0	30	
1,3-Dichloropropane	ND	5.0						0	0	30	
1,4-Dichlorobenzene	ND	5.0						0	0	30	
2,2-Dichloropropane	ND	5.0						0	0	30	
2-Chlorotoluene	ND	5.0						0	0	30	
4-Chlorotoluene	ND	5.0						0	0	30	
4-Isopropyltoluene	ND	5.0						0	0	30	
Benzene	ND	5.0						0	0	30	
Bromobenzene	ND	5.0						0	0	30	
Bromodichloromethane	ND	5.0						0	0	30	
Bromoform	ND	5.0						0	0	30	
Bromomethane	ND	5.0						0	0	30	
Carbon tetrachloride	ND	5.0						0	0	30	
Chlorobenzene	ND	5.0						0	0	30	
Chloroethane	ND	5.0						0	0	30	
Chloroform	ND	5.0						0	0	30	
Chloromethane	ND	5.0						0	0	30	
cis-1,2-Dichloroethene	15	5.0						15.70	1.80	30	
cis-1,3-Dichloropropene	ND	5.0						0	0	30	
Dibromochloromethane	ND	5.0						0	0	30	
Dibromomethane	ND	5.0						0	0	30	
Dichlorodifluoromethane	ND	5.0						0	0	30	
Ethylbenzene	ND	5.0						0	0	30	
Hexachlorobutadiene	ND	5.0						0	0	30	
Isopropylbenzene	ND	5.0						0	0	30	
m,p-Xylene	ND	10						0	0	30	
Methylene chloride	ND	5.0						0	0	30	
n-Butylbenzene	ND	5.0						0	0	30	
n-Propylbenzene	ND	5.0						0	0	30	
Naphthalene	ND	5.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083765
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **083764-008ADUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **62178**
Client ID: **ZZZZZZ** Batch ID: **A06VW095** TestNo: **EPA 8260B** Analysis Date: **4/14/2006** SeqNo: **920755**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene	ND	5.0						0	0	30	
sec-Butylbenzene	ND	5.0						0	0	30	
Styrene	ND	5.0						0	0	30	
tert-Butylbenzene	ND	5.0						0	0	30	
Tetrachloroethene	31	5.0						31.09	0.289	30	
Toluene	ND	5.0						0	0	30	
trans-1,2-Dichloroethene	ND	5.0						0	0	30	
Trichloroethene	78	5.0						78.07	0.0769	30	
Trichlorofluoromethane	ND	5.0						0	0	30	
Vinyl chloride	ND	5.0						0	0	30	
Surr: 1,2-Dichloroethane-d4	43		50.00		85.6	70	126		0	30	
Surr: 4-Bromofluorobenzene	48		50.00		95.0	63	134		0	30	
Surr: Dibromofluoromethane	44		50.00		88.7	73	124		0	30	
Surr: Toluene-d8	48		50.00		95.8	84	123		0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
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CLIENT: Ninyo & Moore
Work Order: 083765
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-27625** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/14/2006** RunNo: **62221**
Client ID: **PBS** Batch ID: **27625** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/14/2006** SeqNo: **920577**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	330									
1,2-Dichlorobenzene	ND	330									
1,3-Dichlorobenzene	ND	330									
1,4-Dichlorobenzene	ND	330									
2,4,5-Trichlorophenol	ND	330									
2,4,6-Trichlorophenol	ND	330									
2,4-Dichlorophenol	ND	1600									
2,4-Dimethylphenol	ND	330									
2,4-Dinitrophenol	ND	1600									
2,4-Dinitrotoluene	ND	330									
2,6-Dinitrotoluene	ND	330									
2-Chloronaphthalene	ND	330									
2-Chlorophenol	ND	330									
2-Methylnaphthalene	ND	330									
2-Methylphenol	ND	330									
2-Nitroaniline	ND	1600									
2-Nitrophenol	ND	330									
3,3´-Dichlorobenzidine	ND	660									
3-Nitroaniline	ND	1600									
4,6-Dinitro-2-methylphenol	ND	1600									
4-Bromophenyl-phenylether	ND	330									
4-Chloro-3-methylphenol	ND	660									
4-Chloroaniline	ND	660									
4-Chlorophenyl-phenylether	ND	330									
4-Methylphenol	ND	330									
4-Nitroaniline	ND	1600									
4-Nitrophenol	ND	1600									
Acenaphthene	ND	330									
Acenaphthylene	ND	330									
Anthracene	ND	330									
Benzidine (M)	ND	1600									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083765
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-27625** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/14/2006** RunNo: **62221**
Client ID: **PBS** Batch ID: **27625** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/14/2006** SeqNo: **920577**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)anthracene	ND	330									
Benzo(a)pyrene	ND	330									
Benzo(b)fluoranthene	ND	330									
Benzo(g,h,i)perylene	ND	330									
Benzo(k)fluoranthene	ND	330									
Benzoic acid	ND	1600									
Benzyl alcohol	ND	660									
Bis(2-chloroethoxy)methane	ND	330									
Bis(2-chloroethyl)ether	ND	330									
Bis(2-chloroisopropyl)ether	ND	330									
Bis(2-ethylhexyl)phthalate	ND	330									
Butylbenzylphthalate	ND	330									
Chrysene	ND	330									
Di-n-butylphthalate	ND	330									
Di-n-octylphthalate	ND	330									
Dibenz(a,h)anthracene	ND	330									
Dibenzofuran	ND	330									
Diethylphthalate	ND	330									
Dimethylphthalate	ND	330									
Fluoranthene	ND	330									
Fluorene	ND	330									
Hexachlorobenzene	ND	330									
Hexachlorobutadiene	ND	660									
Hexachlorocyclopentadiene	ND	660									
Hexachloroethane	ND	330									
Indeno(1,2,3-cd)pyrene	ND	330									
Isophorone	ND	330									
N-Nitrosodi-n-propylamine	ND	330									
N-Nitrosodiphenylamine	ND	330									
Naphthalene	ND	330									
Nitrobenzene	ND	330									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
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Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-27625** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/14/2006** RunNo: **62221**
Client ID: **PBS** Batch ID: **27625** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/14/2006** SeqNo: **920577**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	ND	1600									
Phenanthrene	ND	330									
Phenol	ND	330									
Pyrene	ND	330									
Surr: 1,2-Dichlorobenzene-d4	2600		3330		77.5	46	105				
Surr: 2,4,6-Tribromophenol	3000		3330		91.5	46	146				
Surr: 2-Chlorophenol-d4	2500		3330		75.1	48	117				
Surr: 2-Fluorobiphenyl	2900		3330		87.4	54	112				
Surr: 2-Fluorophenol	2600		3330		77.2	45	119				
Surr: 4-Terphenyl-d14	3700		3330		111	46	135				
Surr: Nitrobenzene-d5	2900		3330		88.0	40	116				
Surr: Phenol-d5	2500		3330		75.3	37	127				

Sample ID: **LCS-27625** SampType: **LCS** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/14/2006** RunNo: **62221**
Client ID: **LCSS** Batch ID: **27625** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/14/2006** SeqNo: **920578**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2800	330	3330	0	85.4	58	117				
1,4-Dichlorobenzene	2500	330	3330	0	75.6	56	100				
2,4-Dinitrotoluene	3200	330	3330	0	97.4	71	135				
2-Chlorophenol	2500	330	3330	0	75.3	66	107				
4-Chloro-3-methylphenol	3200	660	3330	0	95.0	74	128				
4-Nitrophenol	2800	1600	3330	0	84.1	54	133				
Acenaphthene	3000	330	3330	0	90.6	73	118				
N-Nitrosodi-n-propylamine	3100	330	3330	0	92.4	67	113				
Pentachlorophenol	3200	1600	3330	0	96.4	78	127				
Phenol	2700	330	3330	0	79.8	67	110				
Pyrene	2900	330	3330	0	87.9	74	127				
Surr: 1,2-Dichlorobenzene-d4	2700		3330		79.8	46	105				
Surr: 2,4,6-Tribromophenol	3300		3330		99.2	46	146				
Surr: 2-Chlorophenol-d4	2700		3330		80.4	48	117				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **LCS-27625** SampType: **LCS** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/14/2006** RunNo: **62221**
Client ID: **LCSS** Batch ID: **27625** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/14/2006** SeqNo: **920578**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorobiphenyl	3000		3330		91.2	54	112				
Surr: 2-Fluorophenol	2700		3330		82.0	45	119				
Surr: 4-Terphenyl-d14	3500		3330		106	46	135				
Surr: Nitrobenzene-d5	3000		3330		89.1	40	116				
Surr: Phenol-d5	2700		3330		82.5	37	127				

Sample ID: **083765-005ADUP** SampType: **DUP** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/14/2006** RunNo: **62221**
Client ID: **NM03-B3-15.5** Batch ID: **27625** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/14/2006** SeqNo: **920581**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	330						0	0	30	
1,2-Dichlorobenzene	ND	330						0	0	30	
1,2-Diphenylhydrazine	ND	330						0	0	30	
1,3-Dichlorobenzene	ND	330						0	0	30	
1,4-Dichlorobenzene	ND	330						0	0	30	
1,4-Dioxane	ND	330						0	0	0	
2,4,5-Trichlorophenol	ND	330						0	0	30	
2,4,6-Trichlorophenol	ND	330						0	0	30	
2,4-Dichlorophenol	ND	1600						0	0	30	
2,4-Dimethylphenol	ND	330						0	0	30	
2,4-Dinitrophenol	ND	1600						0	0	30	
2,4-Dinitrotoluene	ND	330						0	0	30	
2,6-Dinitrotoluene	ND	330						0	0	30	
2-Chloronaphthalene	ND	330						0	0	30	
2-Chlorophenol	ND	330						0	0	30	
2-Methylnaphthalene	ND	330						0	0	30	
2-Methylphenol	ND	330						0	0	30	
2-Nitroaniline	ND	1600						0	0	30	
2-Nitrophenol	ND	330						0	0	30	
3,3´-Dichlorobenzidine	ND	660						0	0	30	
3-Nitroaniline	ND	1600						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083765
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **083765-005ADUP** SampType: **DUP** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/14/2006** RunNo: **62221**
Client ID: **NM03-B3-15.5** Batch ID: **27625** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/14/2006** SeqNo: **920581**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,6-Dinitro-2-methylphenol	ND	1600						0	0	30	
4-Bromophenyl-phenylether	ND	330						0	0	30	
4-Chloro-3-methylphenol	ND	660						0	0	30	
4-Chloroaniline	ND	660						0	0	30	
4-Chlorophenyl-phenylether	ND	330						0	0	30	
3/4-Methylphenol	ND	330						0	0	0	
4-Methylphenol	ND	330						0	0	30	
4-Nitroaniline	ND	1600						0	0	30	
4-Nitrophenol	ND	1600						0	0	30	
Acenaphthene	ND	330						0	0	30	
Acenaphthylene	ND	330						0	0	30	
Aniline	ND	330						0	0	30	
Anthracene	ND	330						0	0	30	
Benzidine (M)	ND	1600						0	0	30	
Benzo(a)anthracene	ND	330						0	0	30	
Benzo(a)pyrene	ND	330						0	0	30	
Benzo(b)fluoranthene	ND	330						0	0	30	
Benzo(g,h,i)perylene	ND	330						0	0	30	
Benzo(k)fluoranthene	ND	330						0	0	30	
Benzoic acid	ND	1600						0	0	30	
Benzyl alcohol	ND	660						0	0	30	
Bis(2-chloroethoxy)methane	ND	330						0	0	30	
Bis(2-chloroethyl)ether	ND	330						0	0	30	
Bis(2-chloroisopropyl)ether	ND	330						0	0	30	
Bis(2-ethylhexyl)phthalate	ND	330						0	0	30	
Butylbenzylphthalate	ND	330						0	0	30	
Carbazole	ND	330						0	0	30	
Chrysene	ND	330						0	0	30	
Di-n-butylphthalate	ND	330						0	0	30	
Di-n-octylphthalate	ND	330						0	0	30	
Dibenz(a,h)anthracene	ND	330						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083765
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **083765-005ADUP** SampType: **DUP** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/14/2006** RunNo: **62221**
Client ID: **NM03-B3-15.5** Batch ID: **27625** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/14/2006** SeqNo: **920581**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibenzofuran	ND	330						0	0	30	
Diethylphthalate	ND	330						0	0	30	
Dimethylphthalate	ND	330						0	0	30	
Fluoranthene	ND	330						0	0	30	
Fluorene	ND	330						0	0	30	
Hexachlorobenzene	ND	330						0	0	30	
Hexachlorobutadiene	ND	660						0	0	30	
Hexachlorocyclopentadiene	ND	660						0	0	30	
Hexachloroethane	ND	330						0	0	30	
Indeno(1,2,3-cd)pyrene	ND	330						0	0	30	
Isophorone	ND	330						0	0	30	
N-Nitrosodi-n-propylamine	ND	330						0	0	30	
N-Nitrosodimethylamine	ND	330						0	0	30	
N-Nitrosodiphenylamine	ND	330						0	0	30	
Naphthalene	ND	330						0	0	30	
Nitrobenzene	ND	330						0	0	30	
Pentachlorophenol	ND	1600						0	0	30	
Phenanthrene	ND	330						0	0	30	
Phenol	ND	330						0	0	30	
Pyrene	ND	330						0	0	30	
Pyridine	ND	1600						0	0	30	
Surr: 1,2-Dichlorobenzene-d4	2100		3330		64.4	46	105		0	0	
Surr: 2,4,6-Tribromophenol	2600		3330		77.6	46	146		0	0	
Surr: 2-Chlorophenol-d4	2000		3330		60.8	48	117		0	0	
Surr: 2-Fluorobiphenyl	2400		3330		70.6	54	112		0	0	
Surr: 2-Fluorophenol	2100		3330		62.6	45	119		0	0	
Surr: 4-Terphenyl-d14	3300		3330		98.5	46	135		0	0	
Surr: Nitrobenzene-d5	2300		3330		69.1	40	116		0	0	
Surr: Phenol-d5	2000		3330		60.7	37	127		0	0	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083765
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **LCS-27625** SampType: **LCS** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/14/2006** RunNo: **62284**
Client ID: **LCSS** Batch ID: **27625** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/17/2006** SeqNo: **921549**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2800	330	3330	0	84.4	58	117				
1,4-Dichlorobenzene	2600	330	3330	0	78.2	56	100				
2,4-Dinitrotoluene	3800	330	3330	0	113	71	135				
2-Chlorophenol	2800	330	3330	0	84.4	66	107				
4-Chloro-3-methylphenol	3400	660	3330	0	103	74	128				
4-Nitrophenol	3700	1600	3330	0	112	54	133				
Acenaphthene	2900	330	3330	0	86.8	73	118				
N-Nitrosodi-n-propylamine	3300	330	3330	0	99.3	67	113				
Pentachlorophenol	3800	1600	3330	0	115	78	127				
Phenol	3100	330	3330	0	93.0	67	110				
Pyrene	3200	330	3330	0	95.0	74	127				
Surr: 1,2-Dichlorobenzene-d4	2400		3330		73.4	46	105				
Surr: 2,4,6-Tribromophenol	3600		3330		107	46	146				
Surr: 2-Chlorophenol-d4	2900		3330		86.7	48	117				
Surr: 2-Fluorobiphenyl	3100		3330		93.6	54	112				
Surr: 2-Fluorophenol	2800		3330		85.6	45	119				
Surr: 4-Terphenyl-d14	3200		3330		94.8	46	135				
Surr: Nitrobenzene-d5	3200		3330		95.2	40	116				
Surr: Phenol-d5	3100		3330		93.0	37	127				

Sample ID: **083764-003AMS** SampType: **MS** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/14/2006** RunNo: **62284**
Client ID: **ZZZZZZ** Batch ID: **27625** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/17/2006** SeqNo: **921550**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2700	330	3330	0	81.6	45	126				
1,4-Dichlorobenzene	2400	330	3330	0	72.6	41	110				
2,4-Dinitrotoluene	3900	330	3330	0	117	57	139				
2-Chlorophenol	2800	330	3330	0	84.0	52	117				
4-Chloro-3-methylphenol	3600	660	3330	0	107	63	135				
4-Nitrophenol	4000	1600	3330	0	119	48	137				
Acenaphthene	2900	330	3330	0	87.4	59	129				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083765
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **083764-003AMS** SampType: **MS** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/14/2006** RunNo: **62284**
Client ID: **ZZZZZZ** Batch ID: **27625** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/17/2006** SeqNo: **921550**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
N-Nitrosodi-n-propylamine	3200	330	3330	0	96.7	41	135				
Pentachlorophenol	4100	1600	3330	0	124	55	146				
Phenol	3100	330	3330	0	91.6	51	122				
Pyrene	3300	330	3330	0	97.6	58	138				
Surr: 1,2-Dichlorobenzene-d4	2200		3330		65.8	46	105				
Surr: 2,4,6-Tribromophenol	3400		3330		103	46	146				
Surr: 2-Chlorophenol-d4	2600		3330		79.2	48	117				
Surr: 2-Fluorobiphenyl	2900		3330		87.8	54	112				
Surr: 2-Fluorophenol	2600		3330		77.8	45	119				
Surr: 4-Terphenyl-d14	3000		3330		90.6	46	135				
Surr: Nitrobenzene-d5	2900		3330		87.0	40	116				
Surr: Phenol-d5	2800		3330		84.9	37	127				

Sample ID: **083764-003AMSD** SampType: **MSD** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/14/2006** RunNo: **62284**
Client ID: **ZZZZZZ** Batch ID: **27625** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/17/2006** SeqNo: **921551**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2700	330	3330	0	81.8	45	126	2716	0.257	30	
1,4-Dichlorobenzene	2400	330	3330	0	72.9	41	110	2418	0.454	30	
2,4-Dinitrotoluene	3800	330	3330	0	114	57	139	3902	2.91	30	
2-Chlorophenol	2800	330	3330	0	83.0	52	117	2798	1.22	30	
4-Chloro-3-methylphenol	3500	660	3330	0	105	63	135	3578	2.15	30	
4-Nitrophenol	3800	1600	3330	0	115	48	137	3968	3.68	30	
Acenaphthene	2900	330	3330	0	88.2	59	129	2912	0.900	30	
N-Nitrosodi-n-propylamine	3200	330	3330	0	94.7	41	135	3221	2.07	30	
Pentachlorophenol	4100	1600	3330	0	123	55	146	4125	0.779	30	
Phenol	3000	330	3330	0	90.2	51	122	3051	1.56	30	
Pyrene	3200	330	3330	0	94.6	58	138	3251	3.11	30	
Surr: 1,2-Dichlorobenzene-d4	2200		3330		64.7	46	105		0	30	
Surr: 2,4,6-Tribromophenol	3400		3330		101	46	146		0	30	
Surr: 2-Chlorophenol-d4	2600		3330		76.8	48	117		0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083765
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **083764-003AMSD** SampType: **MSD** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/14/2006** RunNo: **62284**
Client ID: **ZZZZZZ** Batch ID: **27625** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/17/2006** SeqNo: **921551**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorobiphenyl	2900		3330		87.9	54	112		0	30	
Surr: 2-Fluorophenol	2500		3330		75.6	45	119		0	30	
Surr: 4-Terphenyl-d14	2900		3330		88.2	46	135		0	30	
Surr: Nitrobenzene-d5	2800		3330		85.2	40	116		0	30	
Surr: Phenol-d5	2700		3330		82.5	37	127		0	30	

Sample ID: **MB-27625** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/14/2006** RunNo: **62284**
Client ID: **PBS** Batch ID: **27625** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/17/2006** SeqNo: **921552**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	330									
1,2-Dichlorobenzene	ND	330									
1,3-Dichlorobenzene	ND	330									
1,4-Dichlorobenzene	ND	330									
2,4,5-Trichlorophenol	ND	330									
2,4,6-Trichlorophenol	ND	330									
2,4-Dichlorophenol	ND	1600									
2,4-Dimethylphenol	ND	330									
2,4-Dinitrophenol	ND	1600									
2,4-Dinitrotoluene	ND	330									
2,6-Dinitrotoluene	ND	330									
2-Chloronaphthalene	ND	330									
2-Chlorophenol	ND	330									
2-Methylnaphthalene	ND	330									
2-Methylphenol	ND	330									
2-Nitroaniline	ND	1600									
2-Nitrophenol	ND	330									
3,3´-Dichlorobenzidine	ND	660									
3-Nitroaniline	ND	1600									
4,6-Dinitro-2-methylphenol	ND	1600									
4-Bromophenyl-phenylether	ND	330									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083765
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-27625** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/14/2006** RunNo: **62284**
Client ID: **PBS** Batch ID: **27625** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/17/2006** SeqNo: **921552**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chloro-3-methylphenol	ND	660									
4-Chloroaniline	ND	660									
4-Chlorophenyl-phenylether	ND	330									
4-Methylphenol	ND	330									
4-Nitroaniline	ND	1600									
4-Nitrophenol	ND	1600									
Acenaphthene	ND	330									
Acenaphthylene	ND	330									
Anthracene	ND	330									
Benzidine (M)	ND	1600									
Benzo(a)anthracene	ND	330									
Benzo(a)pyrene	ND	330									
Benzo(b)fluoranthene	ND	330									
Benzo(g,h,i)perylene	ND	330									
Benzo(k)fluoranthene	ND	330									
Benzoic acid	ND	1600									
Benzyl alcohol	ND	660									
Bis(2-chloroethoxy)methane	ND	330									
Bis(2-chloroethyl)ether	ND	330									
Bis(2-chloroisopropyl)ether	ND	330									
Bis(2-ethylhexyl)phthalate	ND	330									
Butylbenzylphthalate	ND	330									
Chrysene	ND	330									
Di-n-butylphthalate	ND	330									
Di-n-octylphthalate	ND	330									
Dibenz(a,h)anthracene	ND	330									
Dibenzofuran	ND	330									
Diethylphthalate	ND	330									
Dimethylphthalate	ND	330									
Fluoranthene	ND	330									
Fluorene	ND	330									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-27625** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/14/2006** RunNo: **62284**
Client ID: **PBS** Batch ID: **27625** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/17/2006** SeqNo: **921552**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobenzene	ND	330									
Hexachlorobutadiene	ND	660									
Hexachlorocyclopentadiene	ND	660									
Hexachloroethane	ND	330									
Indeno(1,2,3-cd)pyrene	ND	330									
Isophorone	ND	330									
N-Nitrosodi-n-propylamine	ND	330									
N-Nitrosodiphenylamine	ND	330									
Naphthalene	ND	330									
Nitrobenzene	ND	330									
Pentachlorophenol	ND	1600									
Phenanthrene	ND	330									
Phenol	ND	330									
Pyrene	ND	330									
Surr: 1,2-Dichlorobenzene-d4	2400		3330		73.1	46	105				
Surr: 2,4,6-Tribromophenol	3400		3330		101	46	146				
Surr: 2-Chlorophenol-d4	2800		3330		83.8	48	117				
Surr: 2-Fluorobiphenyl	3100		3330		92.2	54	112				
Surr: 2-Fluorophenol	2700		3330		82.3	45	119				
Surr: 4-Terphenyl-d14	3100		3330		91.7	46	135				
Surr: Nitrobenzene-d5	3000		3330		91.1	40	116				
Surr: Phenol-d5	3000		3330		90.0	37	127				

Sample ID: **LCS-27625** SampType: **LCS** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/14/2006** RunNo: **62284**
Client ID: **LCSS** Batch ID: **27625** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/18/2006** SeqNo: **922399**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2800	330	3330	0	85.3	58	117				
1,4-Dichlorobenzene	2600	330	3330	0	78.0	56	100				
2,4-Dinitrotoluene	3600	330	3330	0	109	71	135				
2-Chlorophenol	2800	330	3330	0	83.0	66	107				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **LCS-27625** SampType: **LCS** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/14/2006** RunNo: **62284**
Client ID: **LCSS** Batch ID: **27625** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/18/2006** SeqNo: **922399**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chloro-3-methylphenol	3300	660	3330	0	98.9	74	128				
4-Nitrophenol	3500	1600	3330	0	104	54	133				
Acenaphthene	2900	330	3330	0	86.4	73	118				
N-Nitrosodi-n-propylamine	3200	330	3330	0	97.2	67	113				
Pentachlorophenol	3900	1600	3330	0	116	78	127				
Phenol	3000	330	3330	0	89.8	67	110				
Pyrene	3000	330	3330	0	90.7	74	127				
Surr: 1,2-Dichlorobenzene-d4	2400		3330		73.4	46	105				
Surr: 2,4,6-Tribromophenol	3400		3330		103	46	146				
Surr: 2-Chlorophenol-d4	2800		3330		84.8	48	117				
Surr: 2-Fluorobiphenyl	3300		3330		98.6	54	112				
Surr: 2-Fluorophenol	2800		3330		83.1	45	119				
Surr: 4-Terphenyl-d14	3200		3330		97.4	46	135				
Surr: Nitrobenzene-d5	3200		3330		95.7	40	116				
Surr: Phenol-d5	3000		3330		90.6	37	127				

Sample ID: **MB-27625** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/14/2006** RunNo: **62284**
Client ID: **PBS** Batch ID: **27625** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/18/2006** SeqNo: **922400**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	330									
1,2-Dichlorobenzene	ND	330									
1,3-Dichlorobenzene	ND	330									
1,4-Dichlorobenzene	ND	330									
2,4,5-Trichlorophenol	ND	330									
2,4,6-Trichlorophenol	ND	330									
2,4-Dichlorophenol	ND	1600									
2,4-Dimethylphenol	ND	330									
2,4-Dinitrophenol	ND	1600									
2,4-Dinitrotoluene	ND	330									
2,6-Dinitrotoluene	ND	330									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Work Order: 083765
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-27625** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/14/2006** RunNo: **62284**
Client ID: **PBS** Batch ID: **27625** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/18/2006** SeqNo: **922400**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Chloronaphthalene	ND	330									
2-Chlorophenol	ND	330									
2-Methylnaphthalene	ND	330									
2-Methylphenol	ND	330									
2-Nitroaniline	ND	1600									
2-Nitrophenol	ND	330									
3,3´-Dichlorobenzidine	ND	660									
3-Nitroaniline	ND	1600									
4,6-Dinitro-2-methylphenol	ND	1600									
4-Bromophenyl-phenylether	ND	330									
4-Chloro-3-methylphenol	ND	660									
4-Chloroaniline	ND	660									
4-Chlorophenyl-phenylether	ND	330									
4-Methylphenol	ND	330									
4-Nitroaniline	ND	1600									
4-Nitrophenol	ND	1600									
Acenaphthene	ND	330									
Acenaphthylene	ND	330									
Anthracene	ND	330									
Benzidine (M)	ND	1600									
Benzo(a)anthracene	ND	330									
Benzo(a)pyrene	ND	330									
Benzo(b)fluoranthene	ND	330									
Benzo(g,h,i)perylene	ND	330									
Benzo(k)fluoranthene	ND	330									
Benzoic acid	ND	1600									
Benzyl alcohol	ND	660									
Bis(2-chloroethoxy)methane	ND	330									
Bis(2-chloroethyl)ether	ND	330									
Bis(2-chloroisopropyl)ether	ND	330									
Bis(2-ethylhexyl)phthalate	ND	330									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
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CLIENT: Ninyo & Moore
Work Order: 083765
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-27625** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/14/2006** RunNo: **62284**
Client ID: **PBS** Batch ID: **27625** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/18/2006** SeqNo: **922400**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Butylbenzylphthalate	ND	330									
Chrysene	ND	330									
Di-n-butylphthalate	ND	330									
Di-n-octylphthalate	ND	330									
Dibenz(a,h)anthracene	ND	330									
Dibenzofuran	ND	330									
Diethylphthalate	ND	330									
Dimethylphthalate	ND	330									
Fluoranthene	ND	330									
Fluorene	ND	330									
Hexachlorobenzene	ND	330									
Hexachlorobutadiene	ND	660									
Hexachlorocyclopentadiene	ND	660									
Hexachloroethane	ND	330									
Indeno(1,2,3-cd)pyrene	ND	330									
Isophorone	ND	330									
N-Nitrosodi-n-propylamine	ND	330									
N-Nitrosodiphenylamine	ND	330									
Naphthalene	ND	330									
Nitrobenzene	ND	330									
Pentachlorophenol	ND	1600									
Phenanthrene	ND	330									
Phenol	ND	330									
Pyrene	ND	330									
Surr: 1,2-Dichlorobenzene-d4	2400		3330		71.4	46	105				
Surr: 2,4,6-Tribromophenol	3300		3330		97.7	46	146				
Surr: 2-Chlorophenol-d4	2800		3330		82.8	48	117				
Surr: 2-Fluorobiphenyl	2900		3330		86.5	54	112				
Surr: 2-Fluorophenol	2700		3330		81.5	45	119				
Surr: 4-Terphenyl-d14	3100		3330		92.9	46	135				
Surr: Nitrobenzene-d5	3000		3330		88.6	40	116				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-27625**	SampType: **MBLK**	TestCode: **8270_S_FUL**	Units: **µg/Kg**	Prep Date: **4/14/2006**	RunNo: **62284**
Client ID: **PBS**	Batch ID: **27625**	TestNo: **EPA 8270C**	**EPA 3550B**	Analysis Date: **4/18/2006**	SeqNo: **922400**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Phenol-d5	2900		3330		88.5	37	127				

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interferenc	DO	Surrogate Diluted Out
	Calculations are based on raw values				

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **MB-27610** SampType: **MBLK** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/14/2006** RunNo: **62179**
Client ID: **PBW** Batch ID: **27610** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/14/2006** SeqNo: **919924**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	10									
1,2-Dichlorobenzene	ND	10									
1,3-Dichlorobenzene	ND	10									
1,4-Dichlorobenzene	ND	10									
2,4,5-Trichlorophenol	ND	10									
2,4,6-Trichlorophenol	ND	10									
2,4-Dichlorophenol	ND	10									
2,4-Dimethylphenol	ND	10									
2,4-Dinitrophenol	ND	50									
2,4-Dinitrotoluene	ND	10									
2,6-Dinitrotoluene	ND	10									
2-Chloronaphthalene	ND	10									
2-Chlorophenol	ND	10									
2-Methylnaphthalene	ND	10									
2-Methylphenol	ND	10									
2-Nitroaniline	ND	50									
2-Nitrophenol	ND	10									
3,3´-Dichlorobenzidine	ND	20									
3-Nitroaniline	ND	50									
4,6-Dinitro-2-methylphenol	ND	50									
4-Bromophenyl-phenylether	ND	10									
4-Chloro-3-methylphenol	ND	50									
4-Chloroaniline	ND	20									
4-Chlorophenyl-phenylether	ND	10									
4-Methylphenol	ND	10									
4-Nitroaniline	ND	20									
4-Nitrophenol	ND	50									
Acenaphthene	ND	10									
Acenaphthylene	ND	10									
Anthracene	ND	10									
Benzidine (M)	ND	50									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **MB-27610** SampType: **MBLK** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/14/2006** RunNo: **62179**
Client ID: **PBW** Batch ID: **27610** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/14/2006** SeqNo: **919924**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)anthracene	ND	10									
Benzo(a)pyrene	ND	10									
Benzo(b)fluoranthene	ND	10									
Benzo(g,h,i)perylene	ND	10									
Benzo(k)fluoranthene	ND	10									
Benzoic acid	ND	50									
Benzyl alcohol	ND	20									
Bis(2-chloroethoxy)methane	ND	10									
Bis(2-chloroethyl)ether	ND	10									
Bis(2-chloroisopropyl)ether	ND	10									
Bis(2-ethylhexyl)phthalate	ND	10									
Butylbenzylphthalate	ND	10									
Chrysene	ND	10									
Di-n-butylphthalate	ND	10									
Di-n-octylphthalate	ND	10									
Dibenz(a,h)anthracene	ND	10									
Dibenzofuran	ND	10									
Diethylphthalate	ND	10									
Dimethylphthalate	ND	10									
Fluoranthene	ND	10									
Fluorene	ND	10									
Hexachlorobenzene	ND	10									
Hexachlorobutadiene	ND	20									
Hexachlorocyclopentadiene	ND	10									
Hexachloroethane	ND	10									
Indeno(1,2,3-cd)pyrene	ND	10									
Isophorone	ND	10									
N-Nitrosodi-n-propylamine	ND	10									
N-Nitrosodiphenylamine	ND	10									
Naphthalene	ND	10									
Nitrobenzene	ND	10									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **MB-27610** SampType: **MBLK** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/14/2006** RunNo: **62179**
Client ID: **PBW** Batch ID: **27610** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/14/2006** SeqNo: **919924**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	ND	50									
Phenanthrene	ND	10									
Phenol	ND	10									
Pyrene	ND	10									
Surr: 1,2-Dichlorobenzene-d4	65		100.0		65.1	41	103				
Surr: 2,4,6-Tribromophenol	85		100.0		84.7	55	137				
Surr: 2-Chlorophenol-d4	73		100.0		72.7	34	117				
Surr: 2-Fluorobiphenyl	81		100.0		81.5	49	114				
Surr: 2-Fluorophenol	54		100.0		54.0	24	74				
Surr: 4-Terphenyl-d14	81		100.0		81.0	42	138				
Surr: Nitrobenzene-d5	83		100.0		83.3	47	115				
Surr: Phenol-d5	41		100.0		41.4	16	63				

Sample ID: **LCS-27610** SampType: **LCS** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/14/2006** RunNo: **62179**
Client ID: **LCSW** Batch ID: **27610** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/14/2006** SeqNo: **919925**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	73	10	100.0	0	72.5	60	120				
1,4-Dichlorobenzene	69	10	100.0	0	69.0	56	103				
2,4-Dinitrotoluene	100	10	100.0	0	101	71	136				
2-Chlorophenol	71	10	100.0	0	71.2	59	107				
4-Chloro-3-methylphenol	87	50	100.0	0	87.3	72	126				
4-Nitrophenol	60	50	100.0	0	59.6	30	88				
Acenaphthene	72	10	100.0	0	72.3	72	119				
N-Nitrosodi-n-propylamine	87	10	100.0	0	87.4	65	120				
Pentachlorophenol	99	50	100.0	0	99.3	78	122				
Phenol	44	10	100.0	0	44.0	35	66				
Pyrene	89	10	100.0	0	89.1	73	127				
Surr: 1,2-Dichlorobenzene-d4	61		100.0		61.0	41	103				
Surr: 2,4,6-Tribromophenol	97		100.0		96.9	55	137				
Surr: 2-Chlorophenol-d4	75		100.0		75.4	34	117				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 083765
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **LCS-27610** SampType: **LCS** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/14/2006** RunNo: **62179**
Client ID: **LCSW** Batch ID: **27610** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/14/2006** SeqNo: **919925**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorobiphenyl	77		100.0		77.1	49	114				
Surr: 2-Fluorophenol	55		100.0		55.3	24	74				
Surr: 4-Terphenyl-d14	82		100.0		82.0	42	138				
Surr: Nitrobenzene-d5	84		100.0		84.3	47	115				
Surr: Phenol-d5	44		100.0		43.8	16	63				

Sample ID: **MB-27610MS** SampType: **MS** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/14/2006** RunNo: **62179**
Client ID: **ZZZZZZ** Batch ID: **27610** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/14/2006** SeqNo: **920046**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	73	10	100.0	0	73.1	60	120				
1,4-Dichlorobenzene	69	10	100.0	0	68.6	56	103				
2,4-Dinitrotoluene	98	10	100.0	0	98.0	71	136				
2-Chlorophenol	72	10	100.0	0	72.2	59	107				
4-Chloro-3-methylphenol	86	50	100.0	0	86.4	72	126				
4-Nitrophenol	58	50	100.0	0	58.5	30	88				
Acenaphthene	73	10	100.0	0	72.8	72	119				
N-Nitrosodi-n-propylamine	88	10	100.0	0	87.9	65	120				
Pentachlorophenol	98	50	100.0	0	97.9	78	122				
Phenol	45	10	100.0	0	44.8	35	66				
Pyrene	86	10	100.0	0	86.1	73	127				
Surr: 1,2-Dichlorobenzene-d4	56		100.0		55.6	41	103				
Surr: 2,4,6-Tribromophenol	90		100.0		89.8	55	137				
Surr: 2-Chlorophenol-d4	72		100.0		72.4	34	117				
Surr: 2-Fluorobiphenyl	72		100.0		71.7	49	114				
Surr: 2-Fluorophenol	54		100.0		53.6	24	74				
Surr: 4-Terphenyl-d14	78		100.0		77.6	42	138				
Surr: Nitrobenzene-d5	81		100.0		81.1	47	115				
Surr: Phenol-d5	42		100.0		42.4	16	63				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 083765
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **MB-27610MSD** SampType: **MSD** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/14/2006** RunNo: **62179**
Client ID: **ZZZZZZ** Batch ID: **27610** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/14/2006** SeqNo: **920047**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	78	10	100.0	0	78.0	60	120	73.11	6.54	30	
1,4-Dichlorobenzene	74	10	100.0	0	74.2	56	103	68.57	7.95	30	
2,4-Dinitrotoluene	110	10	100.0	0	106	71	136	97.95	7.45	30	
2-Chlorophenol	78	10	100.0	0	77.9	59	107	72.17	7.59	30	
4-Chloro-3-methylphenol	95	50	100.0	0	94.7	72	126	86.38	9.15	30	
4-Nitrophenol	66	50	100.0	0	65.7	30	88	58.49	11.6	30	
Acenaphthene	75	10	100.0	0	75.4	72	119	72.79	3.46	30	
N-Nitrosodi-n-propylamine	98	10	100.0	0	98.2	65	120	87.86	11.2	30	
Pentachlorophenol	100	50	100.0	0	102	78	122	97.86	4.20	30	
Phenol	50	10	100.0	0	49.6	35	66	44.78	10.2	30	
Pyrene	89	10	100.0	0	89.2	73	127	86.11	3.47	30	
Surr: 1,2-Dichlorobenzene-d4	63		100.0		63.4	41	103		0	30	
Surr: 2,4,6-Tribromophenol	96		100.0		95.7	55	137		0	30	
Surr: 2-Chlorophenol-d4	79		100.0		79.2	34	117		0	30	
Surr: 2-Fluorobiphenyl	77		100.0		77.4	49	114		0	30	
Surr: 2-Fluorophenol	60		100.0		59.8	24	74		0	30	
Surr: 4-Terphenyl-d14	88		100.0		88.0	42	138		0	30	
Surr: Nitrobenzene-d5	90		100.0		89.6	47	115		0	30	
Surr: Phenol-d5	48		100.0		47.7	16	63		0	30	

Sample ID: **MB-27610** SampType: **MBLK** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/14/2006** RunNo: **62179**
Client ID: **PBW** Batch ID: **27610** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/17/2006** SeqNo: **920993**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	10									
1,2-Dichlorobenzene	ND	10									
1,3-Dichlorobenzene	ND	10									
1,4-Dichlorobenzene	ND	10									
2,4,5-Trichlorophenol	ND	10									
2,4,6-Trichlorophenol	ND	10									
2,4-Dichlorophenol	ND	10									

Qualifiers:
E Value above quantitation range
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ND Not Detected at the Reporting Limit
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CLIENT: Ninyo & Moore
Work Order: 083765
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **MB-27610** SampType: **MBLK** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/14/2006** RunNo: **62179**
Client ID: **PBW** Batch ID: **27610** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/17/2006** SeqNo: **920993**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dimethylphenol	ND	10									
2,4-Dinitrophenol	ND	50									
2,4-Dinitrotoluene	ND	10									
2,6-Dinitrotoluene	ND	10									
2-Chloronaphthalene	ND	10									
2-Chlorophenol	ND	10									
2-Methylnaphthalene	ND	10									
2-Methylphenol	ND	10									
2-Nitroaniline	ND	50									
2-Nitrophenol	ND	10									
3,3´-Dichlorobenzidine	ND	20									
3-Nitroaniline	ND	50									
4,6-Dinitro-2-methylphenol	ND	50									
4-Bromophenyl-phenylether	ND	10									
4-Chloro-3-methylphenol	ND	50									
4-Chloroaniline	ND	20									
4-Chlorophenyl-phenylether	ND	10									
4-Methylphenol	ND	10									
4-Nitroaniline	ND	20									
4-Nitrophenol	ND	50									
Acenaphthene	ND	10									
Acenaphthylene	ND	10									
Anthracene	ND	10									
Benzidine (M)	ND	50									
Benzo(a)anthracene	ND	10									
Benzo(a)pyrene	ND	10									
Benzo(b)fluoranthene	ND	10									
Benzo(g,h,i)perylene	ND	10									
Benzo(k)fluoranthene	ND	10									
Benzoic acid	ND	50									
Benzyl alcohol	ND	20									

Qualifiers:
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CLIENT: Ninyo & Moore
Work Order: 083765
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **MB-27610** SampType: **MBLK** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/14/2006** RunNo: **62179**
Client ID: **PBW** Batch ID: **27610** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/17/2006** SeqNo: **920993**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bis(2-chloroethoxy)methane	ND	10									
Bis(2-chloroethyl)ether	ND	10									
Bis(2-chloroisopropyl)ether	ND	10									
Bis(2-ethylhexyl)phthalate	ND	10									
Butylbenzylphthalate	ND	10									
Chrysene	ND	10									
Di-n-butylphthalate	ND	10									
Di-n-octylphthalate	ND	10									
Dibenz(a,h)anthracene	ND	10									
Dibenzofuran	ND	10									
Diethylphthalate	ND	10									
Dimethylphthalate	ND	10									
Fluoranthene	ND	10									
Fluorene	ND	10									
Hexachlorobenzene	ND	10									
Hexachlorobutadiene	ND	20									
Hexachlorocyclopentadiene	ND	10									
Hexachloroethane	ND	10									
Indeno(1,2,3-cd)pyrene	ND	10									
Isophorone	ND	10									
N-Nitrosodi-n-propylamine	ND	10									
N-Nitrosodiphenylamine	ND	10									
Naphthalene	ND	10									
Nitrobenzene	ND	10									
Pentachlorophenol	ND	50									
Phenanthrene	ND	10									
Phenol	ND	10									
Pyrene	ND	10									
Surr: 1,2-Dichlorobenzene-d4	66		100.0		66.2	41	103				
Surr: 2,4,6-Tribromophenol	89		100.0		89.3	55	137				
Surr: 2-Chlorophenol-d4	75		100.0		74.8	34	117				

Qualifiers:
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CLIENT: Ninyo & Moore
Work Order: 083765
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **MB-27610** SampType: **MBLK** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/14/2006** RunNo: **62179**
Client ID: **PBW** Batch ID: **27610** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/17/2006** SeqNo: **920993**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorobiphenyl	81		100.0		80.7	49	114				
Surr: 2-Fluorophenol	54		100.0		54.4	24	74				
Surr: 4-Terphenyl-d14	89		100.0		88.7	42	138				
Surr: Nitrobenzene-d5	84		100.0		84.3	47	115				
Surr: Phenol-d5	42		100.0		42.2	16	63				

Sample ID: **LCS-27610** SampType: **LCS** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/14/2006** RunNo: **62179**
Client ID: **LCSW** Batch ID: **27610** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/17/2006** SeqNo: **920994**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	83	10	100.0	0	83.1	60	120				
1,4-Dichlorobenzene	78	10	100.0	0	77.6	56	103				
2,4-Dinitrotoluene	110	10	100.0	0	110	71	136				
2-Chlorophenol	79	10	100.0	0	78.8	59	107				
4-Chloro-3-methylphenol	96	50	100.0	0	95.6	72	126				
4-Nitrophenol	63	50	100.0	0	63.3	30	88				
Acenaphthene	84	10	100.0	0	84.3	72	119				
N-Nitrosodi-n-propylamine	96	10	100.0	0	96.4	65	120				
Pentachlorophenol	110	50	100.0	0	113	78	122				
Phenol	48	10	100.0	0	47.8	35	66				
Pyrene	91	10	100.0	0	91.5	73	127				
Surr: 1,2-Dichlorobenzene-d4	67		100.0		66.6	41	103				
Surr: 2,4,6-Tribromophenol	100		100.0		104	55	137				
Surr: 2-Chlorophenol-d4	80		100.0		80.4	34	117				
Surr: 2-Fluorobiphenyl	87		100.0		87.0	49	114				
Surr: 2-Fluorophenol	59		100.0		59.1	24	74				
Surr: 4-Terphenyl-d14	97		100.0		96.9	42	138				
Surr: Nitrobenzene-d5	91		100.0		91.2	47	115				
Surr: Phenol-d5	46		100.0		45.7	16	63				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CHAIN OF CUS. ODY RECORD

Pg ____ of ____

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: ____

Logged By: M Date: 04/7/06

Method of Transport: Client ☐ ATL ☒ CA OverN ☐ FEDEX ☐ Other: ____

Sample Condition Upon Receipt: 1. CHILLED Y☒ N☐ 2. HEADSPACE (VOA) Y☐ N☐ 3. CONTAINER INTACT Y☒ N☐ 4. SEALED Y☐ N☒ 5. # OF SPLS MATCH COC Y☒ N☐ 6. PRESERVED Y☒ N☒

Client: Niwyo & Moore
Attn: Scott Snyder
Address: 5710 Ruffin Rd
City: San Diego State: CA Zip Code: 92123
TEL: (858) 576-1000
FAX: (858) 576-9600

Project Name: I-5 Expansion Project #: 105812001 Sampler: (Printed Name) Matt Fuller (Signature) [signature]

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
M Fuller [signature]			[signature]	4-12-06	2:45p
[signature]	4-12-06	5:35p	[signature]	04/7/06	1740

I hereby authorize ATL to perform the work indicated below:
Project Mgr./Submitter: M. Fuller 4-11-06 (Print Name / Date) [signature] (Signature)

Send Report To: Attn: Scott Snyder Co: Niwyo & Moore Address: 5710 Ruffin Rd City: SD State: CA Zip: 92123

Bill To: Attn: Same as Co: previous Address: ← City: ____ State: ____ Zip: ____

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested: 8081A (Pesticides), 8082 (PCB), 8260B (Volatiles), 8270C (SVOCs), 6010B (Total Metal), 8015B (GRO) / BTEX, TPH-g / TPH-d, Total Lead

SPECIFY APPROPRIATE MATRIX: SOIL, WATER, GROUND WATER, WASTEWATER

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (SVOCs)	6010B (Total Metal)	8015B (GRO) / BTEX	TPH-g / TPH-d	Total Lead	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	0527765-001	NM03-B3-1.0	4-11-06	0850							X		X				E	1	JG	C	
	-002	NM03-B3-TRIP		0900			X							X				2	VG	H	
	-003	NM03-B3-6.0		0911									X					1	TM	C	
	-004	NM03-B3-11.0		0918			X	X	X	X			X					1	TM	C	
	-005	NM03-B3-15.5		0930			X	X	X	X			X					1	TM	C	
	-006	NM03-B3-21.0		0945			X	X	X	X			X					1	TM	C	
	-007	NM03-B3-25.5		0953			~~X~~	~~X~~	~~X~~	~~X~~			X					1	TM	C	
	-008	NM03-B3-30.0		1007									X					1	TM	C	
	-009	NM03-B3-GW		1100			X	X	X	X				X				9	VG/P	H/N	
	-010	NM03-B3-Equip		1130			X	X	X	X					X			9	VG/P	H/N	

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

April 19, 2006

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 083764

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

RE: I-5 EXPANSION, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on April 12, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

for
Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: *19-Apr-06*

CLIENT: Ninyo & Moore
Project: I-5 EXPANSION, 105812001
Lab Order: 083764
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
083764-001A	NM03-B4-1.0	Soil	4/12/2006	4/12/2006	4/19/2006
083764-002A	NM03-B4-TRIP	Water	4/12/2006	4/12/2006	4/19/2006
083764-003A	NM03-B4-5.0	Soil	4/12/2006	4/12/2006	4/19/2006
083764-004A	NM03-B4-11.0	Soil	4/12/2006	4/12/2006	4/19/2006
083764-005A	NM03-B4-15.5	Soil	4/12/2006	4/12/2006	4/19/2006
083764-008A	NM03-B4-GW	Ground Water	4/12/2006	4/12/2006	4/19/2006
083764-008B	NM03-B4-GW	Ground Water	4/12/2006	4/12/2006	4/19/2006
083764-008C	NM03-B4-GW	Ground Water	4/12/2006	4/12/2006	4/19/2006
083764-008D	NM03-B4-GW	Ground Water	4/12/2006	4/12/2006	4/19/2006
083764-009A	NM03-B4-Equip	Water	4/12/2006	4/12/2006	4/19/2006
083764-009B	NM03-B4-Equip	Water	4/12/2006	4/12/2006	4/19/2006
083764-009C	NM03-B4-Equip	Water	4/12/2006	4/12/2006	4/19/2006
083764-009D	NM03-B4-Equip	Water	4/12/2006	4/12/2006	4/19/2006

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CASE NARRATIVE

Analytical Comments for EPA 6010B

RPD for Sample Duplicate (DUP) is outside criteria for sample 083799-001ADUP; however, the Laboratory Control Sample (LCS) validated the analytical batch.

Analytical Comments for EPA 8015B (M)

Samples 083764-008D and 083764-009D surrogate was outside criteria; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

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Advanced Technology Laboratories

Date: *19-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B4-1.0
Lab Order:	083764	**Collection Date:**	4/12/2006 9:16:00 AM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083764-001	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
LEAD BY ICP						
	EPA 3050M			**EPA 6010B**		
RunID: ICP5_060417I	QC Batch: 27622			PrepDate:	4/17/2006	Analyst: **RQ**
Lead	19	1.0		mg/Kg	1	4/17/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *19-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083764
Project: I-5 EXPANSION, 105812001
Lab ID: 083764-002

Client Sample ID: NM03-B4-TRIP
Collection Date: 4/12/2006 9:20:00 AM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS11_060414A	QC Batch: A06VW095			PrepDate:		Analyst: **HH**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	4/14/2006
1,1,1-Trichloroethane	ND	5.0		µg/L	1	4/14/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	4/14/2006
1,1,2-Trichloroethane	ND	5.0		µg/L	1	4/14/2006
1,1-Dichloroethane	ND	5.0		µg/L	1	4/14/2006
1,1-Dichloroethene	ND	5.0		µg/L	1	4/14/2006
1,1-Dichloropropene	ND	5.0		µg/L	1	4/14/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/L	1	4/14/2006
1,2,3-Trichloropropane	ND	5.0		µg/L	1	4/14/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	4/14/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/L	1	4/14/2006
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	4/14/2006
1,2-Dibromoethane	ND	5.0		µg/L	1	4/14/2006
1,2-Dichlorobenzene	ND	5.0		µg/L	1	4/14/2006
1,2-Dichloroethane	ND	5.0		µg/L	1	4/14/2006
1,2-Dichloropropane	ND	5.0		µg/L	1	4/14/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	4/14/2006
1,3-Dichlorobenzene	ND	5.0		µg/L	1	4/14/2006
1,3-Dichloropropane	ND	5.0		µg/L	1	4/14/2006
1,4-Dichlorobenzene	ND	5.0		µg/L	1	4/14/2006
2,2-Dichloropropane	ND	5.0		µg/L	1	4/14/2006
2-Chlorotoluene	ND	5.0		µg/L	1	4/14/2006
4-Chlorotoluene	ND	5.0		µg/L	1	4/14/2006
4-Isopropyltoluene	ND	5.0		µg/L	1	4/14/2006
Benzene	ND	5.0		µg/L	1	4/14/2006
Bromobenzene	ND	5.0		µg/L	1	4/14/2006
Bromodichloromethane	ND	5.0		µg/L	1	4/14/2006
Bromoform	ND	5.0		µg/L	1	4/14/2006
Bromomethane	ND	5.0		µg/L	1	4/14/2006
Carbon tetrachloride	ND	5.0		µg/L	1	4/14/2006
Chlorobenzene	ND	5.0		µg/L	1	4/14/2006
Chloroethane	ND	5.0		µg/L	1	4/14/2006
Chloroform	ND	5.0		µg/L	1	4/14/2006
Chloromethane	ND	5.0		µg/L	1	4/14/2006
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	4/14/2006
Dibromochloromethane	ND	5.0		µg/L	1	4/14/2006
Dibromomethane	ND	5.0		µg/L	1	4/14/2006
Dichlorodifluoromethane	ND	5.0		µg/L	1	4/14/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *19-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B4-TRIP
Lab Order:	083764	**Collection Date:**	4/12/2006 9:20:00 AM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083764-002	**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS11_060414A	QC Batch:	A06VW095			PrepDate:	Analyst: **HH**
Ethylbenzene	ND	5.0		µg/L	1	4/14/2006
Hexachlorobutadiene	ND	5.0		µg/L	1	4/14/2006
Isopropylbenzene	ND	5.0		µg/L	1	4/14/2006
m,p-Xylene	ND	10		µg/L	1	4/14/2006
Methylene chloride	ND	5.0		µg/L	1	4/14/2006
n-Butylbenzene	ND	5.0		µg/L	1	4/14/2006
n-Propylbenzene	ND	5.0		µg/L	1	4/14/2006
Naphthalene	ND	5.0		µg/L	1	4/14/2006
o-Xylene	ND	5.0		µg/L	1	4/14/2006
sec-Butylbenzene	ND	5.0		µg/L	1	4/14/2006
Styrene	ND	5.0		µg/L	1	4/14/2006
tert-Butylbenzene	ND	5.0		µg/L	1	4/14/2006
Tetrachloroethene	ND	5.0		µg/L	1	4/14/2006
Toluene	ND	5.0		µg/L	1	4/14/2006
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	4/14/2006
Trichloroethene	ND	5.0		µg/L	1	4/14/2006
Trichlorofluoromethane	ND	5.0		µg/L	1	4/14/2006
Vinyl chloride	ND	5.0		µg/L	1	4/14/2006
Surr: 1,2-Dichloroethane-d4	84.5	70-126		%REC	1	4/14/2006
Surr: 4-Bromofluorobenzene	96.0	63-134		%REC	1	4/14/2006
Surr: Dibromofluoromethane	88.5	73-124		%REC	1	4/14/2006
Surr: Toluene-d8	95.2	84-123		%REC	1	4/14/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Date: *19-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B4-5.0
Lab Order:	083764	**Collection Date:**	4/12/2006 9:35:00 AM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083764-003	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
LUFT				**EPA 8015B(M)**		
RunID: GC7_BACK_060414A QC Batch: 27623				PrepDate: 4/14/2006		Analyst: **CBR**
DRO	ND	10		mg/Kg	1	4/14/2006
Surr: p-Terphenyl	75.8	56-131		%REC	1	4/14/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_060413B QC Batch: E06VS081				PrepDate:		Analyst: **TT**
GRO	ND	1.0		mg/Kg	1	4/14/2006
Surr: Bromofluorobenzene (FID)	83.2	42-138		%REC	1	4/14/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS1_060415A QC Batch: P06VS070				PrepDate:		Analyst: **RK**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1	4/15/2006
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	4/15/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	4/15/2006
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	4/15/2006
1,1-Dichloroethane	ND	5.0		µg/Kg	1	4/15/2006
1,1-Dichloroethene	ND	5.0		µg/Kg	1	4/15/2006
1,1-Dichloropropene	ND	5.0		µg/Kg	1	4/15/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1	4/15/2006
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1	4/15/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1	4/15/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1	4/15/2006
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1	4/15/2006
1,2-Dibromoethane	ND	5.0		µg/Kg	1	4/15/2006
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1	4/15/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	4/15/2006
1,2-Dichloropropane	ND	5.0		µg/Kg	1	4/15/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1	4/15/2006
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1	4/15/2006
1,3-Dichloropropane	ND	5.0		µg/Kg	1	4/15/2006
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1	4/15/2006
2,2-Dichloropropane	ND	5.0		µg/Kg	1	4/15/2006
2-Chlorotoluene	ND	5.0		µg/Kg	1	4/15/2006
4-Chlorotoluene	ND	5.0		µg/Kg	1	4/15/2006
4-Isopropyltoluene	ND	5.0		µg/Kg	1	4/15/2006
Benzene	ND	5.0		µg/Kg	1	4/15/2006
Bromobenzene	ND	5.0		µg/Kg	1	4/15/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *19-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083764
Project: I-5 EXPANSION, 105812001
Lab ID: 083764-003

Client Sample ID: NM03-B4-5.0
Collection Date: 4/12/2006 9:35:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS1_060415A	QC Batch: P06VS070			PrepDate:		Analyst: **RK**
Bromodichloromethane	ND	5.0		µg/Kg	1	4/15/2006
Bromoform	ND	5.0		µg/Kg	1	4/15/2006
Bromomethane	ND	5.0		µg/Kg	1	4/15/2006
Carbon tetrachloride	ND	5.0		µg/Kg	1	4/15/2006
Chlorobenzene	ND	5.0		µg/Kg	1	4/15/2006
Chloroethane	ND	5.0		µg/Kg	1	4/15/2006
Chloroform	ND	5.0		µg/Kg	1	4/15/2006
Chloromethane	ND	5.0		µg/Kg	1	4/15/2006
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	4/15/2006
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	4/15/2006
Dibromochloromethane	ND	5.0		µg/Kg	1	4/15/2006
Dibromomethane	ND	5.0		µg/Kg	1	4/15/2006
Dichlorodifluoromethane	ND	5.0		µg/Kg	1	4/15/2006
Ethylbenzene	ND	5.0		µg/Kg	1	4/15/2006
Hexachlorobutadiene	ND	5.0		µg/Kg	1	4/15/2006
Isopropylbenzene	ND	5.0		µg/Kg	1	4/15/2006
m,p-Xylene	ND	10		µg/Kg	1	4/15/2006
Methylene chloride	ND	5.0		µg/Kg	1	4/15/2006
n-Butylbenzene	ND	5.0		µg/Kg	1	4/15/2006
n-Propylbenzene	ND	5.0		µg/Kg	1	4/15/2006
Naphthalene	ND	5.0		µg/Kg	1	4/15/2006
o-Xylene	ND	5.0		µg/Kg	1	4/15/2006
sec-Butylbenzene	ND	5.0		µg/Kg	1	4/15/2006
Styrene	ND	5.0		µg/Kg	1	4/15/2006
tert-Butylbenzene	ND	5.0		µg/Kg	1	4/15/2006
Tetrachloroethene	ND	5.0		µg/Kg	1	4/15/2006
Toluene	ND	5.0		µg/Kg	1	4/15/2006
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	4/15/2006
Trichloroethene	ND	5.0		µg/Kg	1	4/15/2006
Trichlorofluoromethane	ND	5.0		µg/Kg	1	4/15/2006
Vinyl chloride	ND	5.0		µg/Kg	1	4/15/2006
Surr: 1,2-Dichloroethane-d4	94.3	58-138		%REC	1	4/15/2006
Surr: 4-Bromofluorobenzene	103	74-130		%REC	1	4/15/2006
Surr: Dibromofluoromethane	94.7	58-135		%REC	1	4/15/2006
Surr: Toluene-d8	103	84-130		%REC	1	4/15/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *19-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083764
Project: I-5 EXPANSION, 105812001
Lab ID: 083764-003

Client Sample ID: NM03-B4-5.0
Collection Date: 4/12/2006 9:35:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS6_060414A	QC Batch: 27625			PrepDate:	4/14/2006	Analyst: **MFR**
1,2,4-Trichlorobenzene	ND	330		µg/Kg	1	4/14/2006
1,2-Dichlorobenzene	ND	330		µg/Kg	1	4/14/2006
1,3-Dichlorobenzene	ND	330		µg/Kg	1	4/14/2006
1,4-Dichlorobenzene	ND	330		µg/Kg	1	4/14/2006
2,4,5-Trichlorophenol	ND	330		µg/Kg	1	4/14/2006
2,4,6-Trichlorophenol	ND	330		µg/Kg	1	4/14/2006
2,4-Dichlorophenol	ND	1600		µg/Kg	1	4/14/2006
2,4-Dimethylphenol	ND	330		µg/Kg	1	4/14/2006
2,4-Dinitrophenol	ND	1600		µg/Kg	1	4/14/2006
2,4-Dinitrotoluene	ND	330		µg/Kg	1	4/14/2006
2,6-Dinitrotoluene	ND	330		µg/Kg	1	4/14/2006
2-Chloronaphthalene	ND	330		µg/Kg	1	4/14/2006
2-Chlorophenol	ND	330		µg/Kg	1	4/14/2006
2-Methylnaphthalene	ND	330		µg/Kg	1	4/14/2006
2-Methylphenol	ND	330		µg/Kg	1	4/14/2006
2-Nitroaniline	ND	1600		µg/Kg	1	4/14/2006
2-Nitrophenol	ND	330		µg/Kg	1	4/14/2006
3,3´-Dichlorobenzidine	ND	660		µg/Kg	1	4/14/2006
3-Nitroaniline	ND	1600		µg/Kg	1	4/14/2006
4,6-Dinitro-2-methylphenol	ND	1600		µg/Kg	1	4/14/2006
4-Bromophenyl-phenylether	ND	330		µg/Kg	1	4/14/2006
4-Chloro-3-methylphenol	ND	660		µg/Kg	1	4/14/2006
4-Chloroaniline	ND	660		µg/Kg	1	4/14/2006
4-Chlorophenyl-phenylether	ND	330		µg/Kg	1	4/14/2006
4-Methylphenol	ND	330		µg/Kg	1	4/14/2006
4-Nitroaniline	ND	1600		µg/Kg	1	4/14/2006
4-Nitrophenol	ND	1600		µg/Kg	1	4/14/2006
Acenaphthene	ND	330		µg/Kg	1	4/14/2006
Acenaphthylene	ND	330		µg/Kg	1	4/14/2006
Anthracene	ND	330		µg/Kg	1	4/14/2006
Benzidine (M)	ND	1600		µg/Kg	1	4/14/2006
Benzo(a)anthracene	ND	330		µg/Kg	1	4/14/2006
Benzo(a)pyrene	ND	330		µg/Kg	1	4/14/2006
Benzo(b)fluoranthene	ND	330		µg/Kg	1	4/14/2006
Benzo(g,h,i)perylene	ND	330		µg/Kg	1	4/14/2006
Benzo(k)fluoranthene	ND	330		µg/Kg	1	4/14/2006
Benzoic acid	ND	1600		µg/Kg	1	4/14/2006
Benzyl alcohol	ND	660		µg/Kg	1	4/14/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *19-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083764
Project: I-5 EXPANSION, 105812001
Lab ID: 083764-003

Client Sample ID: NM03-B4-5.0
Collection Date: 4/12/2006 9:35:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS6_060414A	QC Batch: 27625			PrepDate:	4/14/2006	Analyst: **MFR**
Bis(2-chloroethoxy)methane	ND	330		µg/Kg	1	4/14/2006
Bis(2-chloroethyl)ether	ND	330		µg/Kg	1	4/14/2006
Bis(2-chloroisopropyl)ether	ND	330		µg/Kg	1	4/14/2006
Bis(2-ethylhexyl)phthalate	ND	330		µg/Kg	1	4/14/2006
Butylbenzylphthalate	ND	330		µg/Kg	1	4/14/2006
Chrysene	ND	330		µg/Kg	1	4/14/2006
Di-n-butylphthalate	ND	330		µg/Kg	1	4/14/2006
Di-n-octylphthalate	ND	330		µg/Kg	1	4/14/2006
Dibenz(a,h)anthracene	ND	330		µg/Kg	1	4/14/2006
Dibenzofuran	ND	330		µg/Kg	1	4/14/2006
Diethylphthalate	ND	330		µg/Kg	1	4/14/2006
Dimethylphthalate	ND	330		µg/Kg	1	4/14/2006
Fluoranthene	ND	330		µg/Kg	1	4/14/2006
Fluorene	ND	330		µg/Kg	1	4/14/2006
Hexachlorobenzene	ND	330		µg/Kg	1	4/14/2006
Hexachlorobutadiene	ND	660		µg/Kg	1	4/14/2006
Hexachlorocyclopentadiene	ND	660		µg/Kg	1	4/14/2006
Hexachloroethane	ND	330		µg/Kg	1	4/14/2006
Indeno(1,2,3-cd)pyrene	ND	330		µg/Kg	1	4/14/2006
Isophorone	ND	330		µg/Kg	1	4/14/2006
N-Nitrosodi-n-propylamine	ND	330		µg/Kg	1	4/14/2006
N-Nitrosodiphenylamine	ND	330		µg/Kg	1	4/14/2006
Naphthalene	ND	330		µg/Kg	1	4/14/2006
Nitrobenzene	ND	330		µg/Kg	1	4/14/2006
Pentachlorophenol	ND	1600		µg/Kg	1	4/14/2006
Phenanthrene	ND	330		µg/Kg	1	4/14/2006
Phenol	ND	330		µg/Kg	1	4/14/2006
Pyrene	ND	330		µg/Kg	1	4/14/2006
Surr: 1,2-Dichlorobenzene-d4	72.2	46-105		%REC	1	4/14/2006
Surr: 2,4,6-Tribromophenol	82.6	46-146		%REC	1	4/14/2006
Surr: 2-Chlorophenol-d4	69.0	48-117		%REC	1	4/14/2006
Surr: 2-Fluorobiphenyl	80.4	54-112		%REC	1	4/14/2006
Surr: 2-Fluorophenol	72.6	45-119		%REC	1	4/14/2006
Surr: 4-Terphenyl-d14	101	46-135		%REC	1	4/14/2006
Surr: Nitrobenzene-d5	79.1	40-116		%REC	1	4/14/2006
Surr: Phenol-d5	69.1	37-127		%REC	1	4/14/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *19-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B4-11.0
Lab Order:	083764	**Collection Date:**	4/12/2006 9:45:00 AM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083764-004	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
LUFT				**EPA 8015B(M)**		
RunID: GC7_BACK_060414A	QC Batch: 27623			PrepDate: 4/14/2006		Analyst: **CBR**
DRO	ND	10		mg/Kg	1	4/14/2006
Surr: p-Terphenyl	86.3	56-131		%REC	1	4/14/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_060413B	QC Batch: E06VS081			PrepDate:		Analyst: **TT**
GRO	ND	1.0		mg/Kg	1	4/14/2006
Surr: Bromofluorobenzene (FID)	83.3	42-138		%REC	1	4/14/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS1_060415A	QC Batch: P06VS070			PrepDate:		Analyst: **RK**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1	4/15/2006
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	4/15/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	4/15/2006
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	4/15/2006
1,1-Dichloroethane	ND	5.0		µg/Kg	1	4/15/2006
1,1-Dichloroethene	ND	5.0		µg/Kg	1	4/15/2006
1,1-Dichloropropene	ND	5.0		µg/Kg	1	4/15/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1	4/15/2006
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1	4/15/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1	4/15/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1	4/15/2006
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1	4/15/2006
1,2-Dibromoethane	ND	5.0		µg/Kg	1	4/15/2006
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1	4/15/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	4/15/2006
1,2-Dichloropropane	ND	5.0		µg/Kg	1	4/15/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1	4/15/2006
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1	4/15/2006
1,3-Dichloropropane	ND	5.0		µg/Kg	1	4/15/2006
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1	4/15/2006
2,2-Dichloropropane	ND	5.0		µg/Kg	1	4/15/2006
2-Chlorotoluene	ND	5.0		µg/Kg	1	4/15/2006
4-Chlorotoluene	ND	5.0		µg/Kg	1	4/15/2006
4-Isopropyltoluene	ND	5.0		µg/Kg	1	4/15/2006
Benzene	ND	5.0		µg/Kg	1	4/15/2006
Bromobenzene	ND	5.0		µg/Kg	1	4/15/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *19-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083764
Project: I-5 EXPANSION, 105812001
Lab ID: 083764-004

Client Sample ID: NM03-B4-11.0
Collection Date: 4/12/2006 9:45:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS1_060415A	QC Batch: P06VS070			PrepDate:		Analyst: **RK**
Bromodichloromethane	ND	5.0		µg/Kg	1	4/15/2006
Bromoform	ND	5.0		µg/Kg	1	4/15/2006
Bromomethane	ND	5.0		µg/Kg	1	4/15/2006
Carbon tetrachloride	ND	5.0		µg/Kg	1	4/15/2006
Chlorobenzene	ND	5.0		µg/Kg	1	4/15/2006
Chloroethane	ND	5.0		µg/Kg	1	4/15/2006
Chloroform	ND	5.0		µg/Kg	1	4/15/2006
Chloromethane	ND	5.0		µg/Kg	1	4/15/2006
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	4/15/2006
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	4/15/2006
Dibromochloromethane	ND	5.0		µg/Kg	1	4/15/2006
Dibromomethane	ND	5.0		µg/Kg	1	4/15/2006
Dichlorodifluoromethane	ND	5.0		µg/Kg	1	4/15/2006
Ethylbenzene	ND	5.0		µg/Kg	1	4/15/2006
Hexachlorobutadiene	ND	5.0		µg/Kg	1	4/15/2006
Isopropylbenzene	ND	5.0		µg/Kg	1	4/15/2006
m,p-Xylene	ND	10		µg/Kg	1	4/15/2006
Methylene chloride	ND	5.0		µg/Kg	1	4/15/2006
n-Butylbenzene	ND	5.0		µg/Kg	1	4/15/2006
n-Propylbenzene	ND	5.0		µg/Kg	1	4/15/2006
Naphthalene	ND	5.0		µg/Kg	1	4/15/2006
o-Xylene	ND	5.0		µg/Kg	1	4/15/2006
sec-Butylbenzene	ND	5.0		µg/Kg	1	4/15/2006
Styrene	ND	5.0		µg/Kg	1	4/15/2006
tert-Butylbenzene	ND	5.0		µg/Kg	1	4/15/2006
Tetrachloroethene	ND	5.0		µg/Kg	1	4/15/2006
Toluene	ND	5.0		µg/Kg	1	4/15/2006
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	4/15/2006
Trichloroethene	ND	5.0		µg/Kg	1	4/15/2006
Trichlorofluoromethane	ND	5.0		µg/Kg	1	4/15/2006
Vinyl chloride	ND	5.0		µg/Kg	1	4/15/2006
Surr: 1,2-Dichloroethane-d4	98.3	58-138		%REC	1	4/15/2006
Surr: 4-Bromofluorobenzene	103	74-130		%REC	1	4/15/2006
Surr: Dibromofluoromethane	96.2	58-135		%REC	1	4/15/2006
Surr: Toluene-d8	103	84-130		%REC	1	4/15/2006

Qualifiers:

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S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *19-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083764
Project: I-5 EXPANSION, 105812001
Lab ID: 083764-004

Client Sample ID: NM03-B4-11.0
Collection Date: 4/12/2006 9:45:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS6_060414A	QC Batch: 27625			PrepDate:	4/14/2006	Analyst: **MFR**
1,2,4-Trichlorobenzene	ND	330		µg/Kg	1	4/14/2006
1,2-Dichlorobenzene	ND	330		µg/Kg	1	4/14/2006
1,3-Dichlorobenzene	ND	330		µg/Kg	1	4/14/2006
1,4-Dichlorobenzene	ND	330		µg/Kg	1	4/14/2006
2,4,5-Trichlorophenol	ND	330		µg/Kg	1	4/14/2006
2,4,6-Trichlorophenol	ND	330		µg/Kg	1	4/14/2006
2,4-Dichlorophenol	ND	1600		µg/Kg	1	4/14/2006
2,4-Dimethylphenol	ND	330		µg/Kg	1	4/14/2006
2,4-Dinitrophenol	ND	1600		µg/Kg	1	4/14/2006
2,4-Dinitrotoluene	ND	330		µg/Kg	1	4/14/2006
2,6-Dinitrotoluene	ND	330		µg/Kg	1	4/14/2006
2-Chloronaphthalene	ND	330		µg/Kg	1	4/14/2006
2-Chlorophenol	ND	330		µg/Kg	1	4/14/2006
2-Methylnaphthalene	ND	330		µg/Kg	1	4/14/2006
2-Methylphenol	ND	330		µg/Kg	1	4/14/2006
2-Nitroaniline	ND	1600		µg/Kg	1	4/14/2006
2-Nitrophenol	ND	330		µg/Kg	1	4/14/2006
3,3´-Dichlorobenzidine	ND	660		µg/Kg	1	4/14/2006
3-Nitroaniline	ND	1600		µg/Kg	1	4/14/2006
4,6-Dinitro-2-methylphenol	ND	1600		µg/Kg	1	4/14/2006
4-Bromophenyl-phenylether	ND	330		µg/Kg	1	4/14/2006
4-Chloro-3-methylphenol	ND	660		µg/Kg	1	4/14/2006
4-Chloroaniline	ND	660		µg/Kg	1	4/14/2006
4-Chlorophenyl-phenylether	ND	330		µg/Kg	1	4/14/2006
4-Methylphenol	ND	330		µg/Kg	1	4/14/2006
4-Nitroaniline	ND	1600		µg/Kg	1	4/14/2006
4-Nitrophenol	ND	1600		µg/Kg	1	4/14/2006
Acenaphthene	ND	330		µg/Kg	1	4/14/2006
Acenaphthylene	ND	330		µg/Kg	1	4/14/2006
Anthracene	ND	330		µg/Kg	1	4/14/2006
Benzidine (M)	ND	1600		µg/Kg	1	4/14/2006
Benzo(a)anthracene	ND	330		µg/Kg	1	4/14/2006
Benzo(a)pyrene	ND	330		µg/Kg	1	4/14/2006
Benzo(b)fluoranthene	ND	330		µg/Kg	1	4/14/2006
Benzo(g,h,i)perylene	ND	330		µg/Kg	1	4/14/2006
Benzo(k)fluoranthene	ND	330		µg/Kg	1	4/14/2006
Benzoic acid	ND	1600		µg/Kg	1	4/14/2006
Benzyl alcohol	ND	660		µg/Kg	1	4/14/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *19-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083764
Project: I-5 EXPANSION, 105812001
Lab ID: 083764-004

Client Sample ID: NM03-B4-11.0
Collection Date: 4/12/2006 9:45:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS6_060414A	QC Batch: 27625				PrepDate: 4/14/2006	Analyst: **MFR**
Bis(2-chloroethoxy)methane	ND	330		µg/Kg	1	4/14/2006
Bis(2-chloroethyl)ether	ND	330		µg/Kg	1	4/14/2006
Bis(2-chloroisopropyl)ether	ND	330		µg/Kg	1	4/14/2006
Bis(2-ethylhexyl)phthalate	ND	330		µg/Kg	1	4/14/2006
Butylbenzylphthalate	ND	330		µg/Kg	1	4/14/2006
Chrysene	ND	330		µg/Kg	1	4/14/2006
Di-n-butylphthalate	ND	330		µg/Kg	1	4/14/2006
Di-n-octylphthalate	ND	330		µg/Kg	1	4/14/2006
Dibenz(a,h)anthracene	ND	330		µg/Kg	1	4/14/2006
Dibenzofuran	ND	330		µg/Kg	1	4/14/2006
Diethylphthalate	ND	330		µg/Kg	1	4/14/2006
Dimethylphthalate	ND	330		µg/Kg	1	4/14/2006
Fluoranthene	ND	330		µg/Kg	1	4/14/2006
Fluorene	ND	330		µg/Kg	1	4/14/2006
Hexachlorobenzene	ND	330		µg/Kg	1	4/14/2006
Hexachlorobutadiene	ND	660		µg/Kg	1	4/14/2006
Hexachlorocyclopentadiene	ND	660		µg/Kg	1	4/14/2006
Hexachloroethane	ND	330		µg/Kg	1	4/14/2006
Indeno(1,2,3-cd)pyrene	ND	330		µg/Kg	1	4/14/2006
Isophorone	ND	330		µg/Kg	1	4/14/2006
N-Nitrosodi-n-propylamine	ND	330		µg/Kg	1	4/14/2006
N-Nitrosodiphenylamine	ND	330		µg/Kg	1	4/14/2006
Naphthalene	ND	330		µg/Kg	1	4/14/2006
Nitrobenzene	ND	330		µg/Kg	1	4/14/2006
Pentachlorophenol	ND	1600		µg/Kg	1	4/14/2006
Phenanthrene	ND	330		µg/Kg	1	4/14/2006
Phenol	ND	330		µg/Kg	1	4/14/2006
Pyrene	ND	330		µg/Kg	1	4/14/2006
Surr: 1,2-Dichlorobenzene-d4	73.7	46-105		%REC	1	4/14/2006
Surr: 2,4,6-Tribromophenol	86.7	46-146		%REC	1	4/14/2006
Surr: 2-Chlorophenol-d4	72.8	48-117		%REC	1	4/14/2006
Surr: 2-Fluorobiphenyl	80.6	54-112		%REC	1	4/14/2006
Surr: 2-Fluorophenol	75.3	45-119		%REC	1	4/14/2006
Surr: 4-Terphenyl-d14	107	46-135		%REC	1	4/14/2006
Surr: Nitrobenzene-d5	81.8	40-116		%REC	1	4/14/2006
Surr: Phenol-d5	74.6	37-127		%REC	1	4/14/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *19-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B4-15.5
Lab Order:	083764	**Collection Date:**	4/12/2006 10:03:00 AM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083764-005	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
LUFT				**EPA 8015B(M)**		
RunID: GC7_BACK_060414A	QC Batch: 27623			PrepDate: 4/14/2006		Analyst: **CBR**
DRO	ND	10		mg/Kg	1	4/14/2006
Surr: p-Terphenyl	74.9	56-131		%REC	1	4/14/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC2_060413B	QC Batch: E06VS081			PrepDate:		Analyst: **TT**
GRO	ND	1.0		mg/Kg	1	4/14/2006
Surr: Bromofluorobenzene (FID)	81.5	42-138		%REC	1	4/14/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS1_060415A	QC Batch: P06VS070			PrepDate:		Analyst: **RK**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1	4/15/2006
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	4/15/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	4/15/2006
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	4/15/2006
1,1-Dichloroethane	ND	5.0		µg/Kg	1	4/15/2006
1,1-Dichloroethene	ND	5.0		µg/Kg	1	4/15/2006
1,1-Dichloropropene	ND	5.0		µg/Kg	1	4/15/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1	4/15/2006
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1	4/15/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1	4/15/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1	4/15/2006
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1	4/15/2006
1,2-Dibromoethane	ND	5.0		µg/Kg	1	4/15/2006
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1	4/15/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	4/15/2006
1,2-Dichloropropane	ND	5.0		µg/Kg	1	4/15/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1	4/15/2006
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1	4/15/2006
1,3-Dichloropropane	ND	5.0		µg/Kg	1	4/15/2006
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1	4/15/2006
2,2-Dichloropropane	ND	5.0		µg/Kg	1	4/15/2006
2-Chlorotoluene	ND	5.0		µg/Kg	1	4/15/2006
4-Chlorotoluene	ND	5.0		µg/Kg	1	4/15/2006
4-Isopropyltoluene	ND	5.0		µg/Kg	1	4/15/2006
Benzene	ND	5.0		µg/Kg	1	4/15/2006
Bromobenzene	ND	5.0		µg/Kg	1	4/15/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *19-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083764
Project: I-5 EXPANSION, 105812001
Lab ID: 083764-005

Client Sample ID: NM03-B4-15.5
Collection Date: 4/12/2006 10:03:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS1_060415A	QC Batch: P06VS070			PrepDate:		Analyst: **RK**
Bromodichloromethane	ND	5.0		µg/Kg	1	4/15/2006
Bromoform	ND	5.0		µg/Kg	1	4/15/2006
Bromomethane	ND	5.0		µg/Kg	1	4/15/2006
Carbon tetrachloride	ND	5.0		µg/Kg	1	4/15/2006
Chlorobenzene	ND	5.0		µg/Kg	1	4/15/2006
Chloroethane	ND	5.0		µg/Kg	1	4/15/2006
Chloroform	ND	5.0		µg/Kg	1	4/15/2006
Chloromethane	ND	5.0		µg/Kg	1	4/15/2006
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	4/15/2006
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	4/15/2006
Dibromochloromethane	ND	5.0		µg/Kg	1	4/15/2006
Dibromomethane	ND	5.0		µg/Kg	1	4/15/2006
Dichlorodifluoromethane	ND	5.0		µg/Kg	1	4/15/2006
Ethylbenzene	ND	5.0		µg/Kg	1	4/15/2006
Hexachlorobutadiene	ND	5.0		µg/Kg	1	4/15/2006
Isopropylbenzene	ND	5.0		µg/Kg	1	4/15/2006
m,p-Xylene	ND	10		µg/Kg	1	4/15/2006
Methylene chloride	ND	5.0		µg/Kg	1	4/15/2006
n-Butylbenzene	ND	5.0		µg/Kg	1	4/15/2006
n-Propylbenzene	ND	5.0		µg/Kg	1	4/15/2006
Naphthalene	ND	5.0		µg/Kg	1	4/15/2006
o-Xylene	ND	5.0		µg/Kg	1	4/15/2006
sec-Butylbenzene	ND	5.0		µg/Kg	1	4/15/2006
Styrene	ND	5.0		µg/Kg	1	4/15/2006
tert-Butylbenzene	ND	5.0		µg/Kg	1	4/15/2006
Tetrachloroethene	ND	5.0		µg/Kg	1	4/15/2006
Toluene	ND	5.0		µg/Kg	1	4/15/2006
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	4/15/2006
Trichloroethene	ND	5.0		µg/Kg	1	4/15/2006
Trichlorofluoromethane	ND	5.0		µg/Kg	1	4/15/2006
Vinyl chloride	ND	5.0		µg/Kg	1	4/15/2006
Surr: 1,2-Dichloroethane-d4	93.0	58-138		%REC	1	4/15/2006
Surr: 4-Bromofluorobenzene	103	74-130		%REC	1	4/15/2006
Surr: Dibromofluoromethane	93.9	58-135		%REC	1	4/15/2006
Surr: Toluene-d8	103	84-130		%REC	1	4/15/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *19-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B4-15.5
Lab Order:	083764	**Collection Date:**	4/12/2006 10:03:00 AM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083764-005	**Matrix:**	SOIL

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B **EPA 8270C**

RunID: MS6_060414A QC Batch: 27625 PrepDate: 4/14/2006 Analyst: **MFR**

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
1,2,4-Trichlorobenzene	ND	330		µg/Kg	1	4/14/2006
1,2-Dichlorobenzene	ND	330		µg/Kg	1	4/14/2006
1,3-Dichlorobenzene	ND	330		µg/Kg	1	4/14/2006
1,4-Dichlorobenzene	ND	330		µg/Kg	1	4/14/2006
2,4,5-Trichlorophenol	ND	330		µg/Kg	1	4/14/2006
2,4,6-Trichlorophenol	ND	330		µg/Kg	1	4/14/2006
2,4-Dichlorophenol	ND	1600		µg/Kg	1	4/14/2006
2,4-Dimethylphenol	ND	330		µg/Kg	1	4/14/2006
2,4-Dinitrophenol	ND	1600		µg/Kg	1	4/14/2006
2,4-Dinitrotoluene	ND	330		µg/Kg	1	4/14/2006
2,6-Dinitrotoluene	ND	330		µg/Kg	1	4/14/2006
2-Chloronaphthalene	ND	330		µg/Kg	1	4/14/2006
2-Chlorophenol	ND	330		µg/Kg	1	4/14/2006
2-Methylnaphthalene	ND	330		µg/Kg	1	4/14/2006
2-Methylphenol	ND	330		µg/Kg	1	4/14/2006
2-Nitroaniline	ND	1600		µg/Kg	1	4/14/2006
2-Nitrophenol	ND	330		µg/Kg	1	4/14/2006
3,3´-Dichlorobenzidine	ND	660		µg/Kg	1	4/14/2006
3-Nitroaniline	ND	1600		µg/Kg	1	4/14/2006
4,6-Dinitro-2-methylphenol	ND	1600		µg/Kg	1	4/14/2006
4-Bromophenyl-phenylether	ND	330		µg/Kg	1	4/14/2006
4-Chloro-3-methylphenol	ND	660		µg/Kg	1	4/14/2006
4-Chloroaniline	ND	660		µg/Kg	1	4/14/2006
4-Chlorophenyl-phenylether	ND	330		µg/Kg	1	4/14/2006
4-Methylphenol	ND	330		µg/Kg	1	4/14/2006
4-Nitroaniline	ND	1600		µg/Kg	1	4/14/2006
4-Nitrophenol	ND	1600		µg/Kg	1	4/14/2006
Acenaphthene	ND	330		µg/Kg	1	4/14/2006
Acenaphthylene	ND	330		µg/Kg	1	4/14/2006
Anthracene	ND	330		µg/Kg	1	4/14/2006
Benzidine (M)	ND	1600		µg/Kg	1	4/14/2006
Benzo(a)anthracene	ND	330		µg/Kg	1	4/14/2006
Benzo(a)pyrene	ND	330		µg/Kg	1	4/14/2006
Benzo(b)fluoranthene	ND	330		µg/Kg	1	4/14/2006
Benzo(g,h,i)perylene	ND	330		µg/Kg	1	4/14/2006
Benzo(k)fluoranthene	ND	330		µg/Kg	1	4/14/2006
Benzoic acid	ND	1600		µg/Kg	1	4/14/2006
Benzyl alcohol	ND	660		µg/Kg	1	4/14/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *19-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083764
Project: I-5 EXPANSION, 105812001
Lab ID: 083764-005

Client Sample ID: NM03-B4-15.5
Collection Date: 4/12/2006 10:03:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS6_060414A	QC Batch: 27625			PrepDate:	4/14/2006	Analyst: **MFR**
Bis(2-chloroethoxy)methane	ND	330		µg/Kg	1	4/14/2006
Bis(2-chloroethyl)ether	ND	330		µg/Kg	1	4/14/2006
Bis(2-chloroisopropyl)ether	ND	330		µg/Kg	1	4/14/2006
Bis(2-ethylhexyl)phthalate	ND	330		µg/Kg	1	4/14/2006
Butylbenzylphthalate	ND	330		µg/Kg	1	4/14/2006
Chrysene	ND	330		µg/Kg	1	4/14/2006
Di-n-butylphthalate	ND	330		µg/Kg	1	4/14/2006
Di-n-octylphthalate	ND	330		µg/Kg	1	4/14/2006
Dibenz(a,h)anthracene	ND	330		µg/Kg	1	4/14/2006
Dibenzofuran	ND	330		µg/Kg	1	4/14/2006
Diethylphthalate	ND	330		µg/Kg	1	4/14/2006
Dimethylphthalate	ND	330		µg/Kg	1	4/14/2006
Fluoranthene	ND	330		µg/Kg	1	4/14/2006
Fluorene	ND	330		µg/Kg	1	4/14/2006
Hexachlorobenzene	ND	330		µg/Kg	1	4/14/2006
Hexachlorobutadiene	ND	660		µg/Kg	1	4/14/2006
Hexachlorocyclopentadiene	ND	660		µg/Kg	1	4/14/2006
Hexachloroethane	ND	330		µg/Kg	1	4/14/2006
Indeno(1,2,3-cd)pyrene	ND	330		µg/Kg	1	4/14/2006
Isophorone	ND	330		µg/Kg	1	4/14/2006
N-Nitrosodi-n-propylamine	ND	330		µg/Kg	1	4/14/2006
N-Nitrosodiphenylamine	ND	330		µg/Kg	1	4/14/2006
Naphthalene	ND	330		µg/Kg	1	4/14/2006
Nitrobenzene	ND	330		µg/Kg	1	4/14/2006
Pentachlorophenol	ND	1600		µg/Kg	1	4/14/2006
Phenanthrene	ND	330		µg/Kg	1	4/14/2006
Phenol	ND	330		µg/Kg	1	4/14/2006
Pyrene	ND	330		µg/Kg	1	4/14/2006
Surr: 1,2-Dichlorobenzene-d4	74.0	46-105		%REC	1	4/14/2006
Surr: 2,4,6-Tribromophenol	79.3	46-146		%REC	1	4/14/2006
Surr: 2-Chlorophenol-d4	74.7	48-117		%REC	1	4/14/2006
Surr: 2-Fluorobiphenyl	81.3	54-112		%REC	1	4/14/2006
Surr: 2-Fluorophenol	77.6	45-119		%REC	1	4/14/2006
Surr: 4-Terphenyl-d14	107	46-135		%REC	1	4/14/2006
Surr: Nitrobenzene-d5	82.9	40-116		%REC	1	4/14/2006
Surr: Phenol-d5	74.7	37-127		%REC	1	4/14/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *19-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B4-GW
Lab Order:	083764	**Collection Date:**	4/12/2006 11:25:00 AM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083764-008	**Matrix:**	GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3510C			**EPA 8015B(M)**			
RunID: GC7_060417A QC Batch: 27629				PrepDate: 4/17/2006		Analyst: **CBR**
DRO	ND	0.20		mg/L	1	4/17/2006
Surr: p-Terphenyl	0	32-125	S	%REC	1	4/17/2006
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B(M)						
RunID: GC6_060413A QC Batch: I06VW095				PrepDate:		Analyst: **EA**
GRO	ND	0.20		mg/L	1	4/13/2006
Surr: Bromofluorobenzene (FID)	101	76-125		%REC	1	4/13/2006
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3510C			**EPA 8270C**			
RunID: MS7_060414B QC Batch: 27610				PrepDate: 4/14/2006		Analyst: **MFR**
1,2,4-Trichlorobenzene	ND	10		µg/L	1	4/17/2006
1,2-Dichlorobenzene	ND	10		µg/L	1	4/17/2006
1,3-Dichlorobenzene	ND	10		µg/L	1	4/17/2006
1,4-Dichlorobenzene	ND	10		µg/L	1	4/17/2006
2,4,5-Trichlorophenol	ND	10		µg/L	1	4/17/2006
2,4,6-Trichlorophenol	ND	10		µg/L	1	4/17/2006
2,4-Dichlorophenol	ND	10		µg/L	1	4/17/2006
2,4-Dimethylphenol	ND	10		µg/L	1	4/17/2006
2,4-Dinitrophenol	ND	50		µg/L	1	4/17/2006
2,4-Dinitrotoluene	ND	10		µg/L	1	4/17/2006
2,6-Dinitrotoluene	ND	10		µg/L	1	4/17/2006
2-Chloronaphthalene	ND	10		µg/L	1	4/17/2006
2-Chlorophenol	ND	10		µg/L	1	4/17/2006
2-Methylnaphthalene	ND	10		µg/L	1	4/17/2006
2-Methylphenol	ND	10		µg/L	1	4/17/2006
2-Nitroaniline	ND	50		µg/L	1	4/17/2006
2-Nitrophenol	ND	10		µg/L	1	4/17/2006
3,3´-Dichlorobenzidine	ND	20		µg/L	1	4/17/2006
3-Nitroaniline	ND	50		µg/L	1	4/17/2006
4,6-Dinitro-2-methylphenol	ND	50		µg/L	1	4/17/2006
4-Bromophenyl-phenylether	ND	10		µg/L	1	4/17/2006
4-Chloro-3-methylphenol	ND	50		µg/L	1	4/17/2006
4-Chloroaniline	ND	20		µg/L	1	4/17/2006
4-Chlorophenyl-phenylether	ND	10		µg/L	1	4/17/2006
4-Methylphenol	ND	10		µg/L	1	4/17/2006
4-Nitroaniline	ND	20		µg/L	1	4/17/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *19-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083764
Project: I-5 EXPANSION, 105812001
Lab ID: 083764-008

Client Sample ID: NM03-B4-GW
Collection Date: 4/12/2006 11:25:00 AM
Matrix: GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3510C				**EPA 8270C**		
RunID: MS7_060414B	QC Batch: 27610				PrepDate: 4/14/2006	Analyst: **MFR**
4-Nitrophenol	ND	50		µg/L	1	4/17/2006
Acenaphthene	ND	10		µg/L	1	4/17/2006
Acenaphthylene	ND	10		µg/L	1	4/17/2006
Anthracene	ND	10		µg/L	1	4/17/2006
Benzidine (M)	ND	50		µg/L	1	4/17/2006
Benzo(a)anthracene	ND	10		µg/L	1	4/17/2006
Benzo(a)pyrene	ND	10		µg/L	1	4/17/2006
Benzo(b)fluoranthene	ND	10		µg/L	1	4/17/2006
Benzo(g,h,i)perylene	ND	10		µg/L	1	4/17/2006
Benzo(k)fluoranthene	ND	10		µg/L	1	4/17/2006
Benzoic acid	ND	50		µg/L	1	4/17/2006
Benzyl alcohol	ND	20		µg/L	1	4/17/2006
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	4/17/2006
Bis(2-chloroethyl)ether	ND	10		µg/L	1	4/17/2006
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	4/17/2006
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	4/17/2006
Butylbenzylphthalate	ND	10		µg/L	1	4/17/2006
Chrysene	ND	10		µg/L	1	4/17/2006
Di-n-butylphthalate	ND	10		µg/L	1	4/17/2006
Di-n-octylphthalate	ND	10		µg/L	1	4/17/2006
Dibenz(a,h)anthracene	ND	10		µg/L	1	4/17/2006
Dibenzofuran	ND	10		µg/L	1	4/17/2006
Diethylphthalate	ND	10		µg/L	1	4/17/2006
Dimethylphthalate	ND	10		µg/L	1	4/17/2006
Fluoranthene	ND	10		µg/L	1	4/17/2006
Fluorene	ND	10		µg/L	1	4/17/2006
Hexachlorobenzene	ND	10		µg/L	1	4/17/2006
Hexachlorobutadiene	ND	20		µg/L	1	4/17/2006
Hexachlorocyclopentadiene	ND	10		µg/L	1	4/17/2006
Hexachloroethane	ND	10		µg/L	1	4/17/2006
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	4/17/2006
Isophorone	ND	10		µg/L	1	4/17/2006
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	4/17/2006
N-Nitrosodiphenylamine	ND	10		µg/L	1	4/17/2006
Naphthalene	ND	10		µg/L	1	4/17/2006
Nitrobenzene	ND	10		µg/L	1	4/17/2006
Pentachlorophenol	ND	50		µg/L	1	4/17/2006
Phenanthrene	ND	10		µg/L	1	4/17/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *19-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083764
Project: I-5 EXPANSION, 105812001
Lab ID: 083764-008

Client Sample ID: NM03-B4-GW
Collection Date: 4/12/2006 11:25:00 AM
Matrix: GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3510C				**EPA 8270C**		
RunID: MS7_060414B	QC Batch: 27610			PrepDate: 4/14/2006		Analyst: **MFR**
Phenol	ND	10		µg/L	1	4/17/2006
Pyrene	ND	10		µg/L	1	4/17/2006
Surr: 1,2-Dichlorobenzene-d4	65.4	41-103		%REC	1	4/17/2006
Surr: 2,4,6-Tribromophenol	99.7	55-137		%REC	1	4/17/2006
Surr: 2-Chlorophenol-d4	76.2	34-117		%REC	1	4/17/2006
Surr: 2-Fluorobiphenyl	83.6	49-114		%REC	1	4/17/2006
Surr: 2-Fluorophenol	49.3	24-74		%REC	1	4/17/2006
Surr: 4-Terphenyl-d14	89.4	42-138		%REC	1	4/17/2006
Surr: Nitrobenzene-d5	90.3	47-115		%REC	1	4/17/2006
Surr: Phenol-d5	36.4	16-63		%REC	1	4/17/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS11_060414A	QC Batch: A06VW095			PrepDate:		Analyst: **HH**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	4/14/2006
1,1,1-Trichloroethane	ND	5.0		µg/L	1	4/14/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	4/14/2006
1,1,2-Trichloroethane	ND	5.0		µg/L	1	4/14/2006
1,1-Dichloroethane	ND	5.0		µg/L	1	4/14/2006
1,1-Dichloroethene	ND	5.0		µg/L	1	4/14/2006
1,1-Dichloropropene	ND	5.0		µg/L	1	4/14/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/L	1	4/14/2006
1,2,3-Trichloropropane	ND	5.0		µg/L	1	4/14/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	4/14/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/L	1	4/14/2006
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	4/14/2006
1,2-Dibromoethane	ND	5.0		µg/L	1	4/14/2006
1,2-Dichlorobenzene	ND	5.0		µg/L	1	4/14/2006
1,2-Dichloroethane	ND	5.0		µg/L	1	4/14/2006
1,2-Dichloropropane	ND	5.0		µg/L	1	4/14/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	4/14/2006
1,3-Dichlorobenzene	ND	5.0		µg/L	1	4/14/2006
1,3-Dichloropropane	ND	5.0		µg/L	1	4/14/2006
1,4-Dichlorobenzene	ND	5.0		µg/L	1	4/14/2006
2,2-Dichloropropane	ND	5.0		µg/L	1	4/14/2006
2-Chlorotoluene	ND	5.0		µg/L	1	4/14/2006
4-Chlorotoluene	ND	5.0		µg/L	1	4/14/2006
4-Isopropyltoluene	ND	5.0		µg/L	1	4/14/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *19-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083764
Project: I-5 EXPANSION, 105812001
Lab ID: 083764-008

Client Sample ID: NM03-B4-GW
Collection Date: 4/12/2006 11:25:00 AM
Matrix: GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS11_060414A	QC Batch: A06VW095			PrepDate:		Analyst: **HH**
Benzene	ND	5.0		µg/L	1	4/14/2006
Bromobenzene	ND	5.0		µg/L	1	4/14/2006
Bromodichloromethane	ND	5.0		µg/L	1	4/14/2006
Bromoform	ND	5.0		µg/L	1	4/14/2006
Bromomethane	ND	5.0		µg/L	1	4/14/2006
Carbon tetrachloride	ND	5.0		µg/L	1	4/14/2006
Chlorobenzene	ND	5.0		µg/L	1	4/14/2006
Chloroethane	ND	5.0		µg/L	1	4/14/2006
Chloroform	ND	5.0		µg/L	1	4/14/2006
Chloromethane	ND	5.0		µg/L	1	4/14/2006
cis-1,2-Dichloroethene	16	5.0		µg/L	1	4/14/2006
Dibromochloromethane	ND	5.0		µg/L	1	4/14/2006
Dibromomethane	ND	5.0		µg/L	1	4/14/2006
Dichlorodifluoromethane	ND	5.0		µg/L	1	4/14/2006
Ethylbenzene	ND	5.0		µg/L	1	4/14/2006
Hexachlorobutadiene	ND	5.0		µg/L	1	4/14/2006
Isopropylbenzene	ND	5.0		µg/L	1	4/14/2006
m,p-Xylene	ND	10		µg/L	1	4/14/2006
Methylene chloride	ND	5.0		µg/L	1	4/14/2006
n-Butylbenzene	ND	5.0		µg/L	1	4/14/2006
n-Propylbenzene	ND	5.0		µg/L	1	4/14/2006
Naphthalene	ND	5.0		µg/L	1	4/14/2006
o-Xylene	ND	5.0		µg/L	1	4/14/2006
sec-Butylbenzene	ND	5.0		µg/L	1	4/14/2006
Styrene	ND	5.0		µg/L	1	4/14/2006
tert-Butylbenzene	ND	5.0		µg/L	1	4/14/2006
Tetrachloroethene	31	5.0		µg/L	1	4/14/2006
Toluene	ND	5.0		µg/L	1	4/14/2006
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	4/14/2006
Trichloroethene	78	5.0		µg/L	1	4/14/2006
Trichlorofluoromethane	ND	5.0		µg/L	1	4/14/2006
Vinyl chloride	ND	5.0		µg/L	1	4/14/2006
Surr: 1,2-Dichloroethane-d4	85.7	70-126		%REC	1	4/14/2006
Surr: 4-Bromofluorobenzene	95.4	63-134		%REC	1	4/14/2006
Surr: Dibromofluoromethane	86.7	73-124		%REC	1	4/14/2006
Surr: Toluene-d8	95.8	84-123		%REC	1	4/14/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *19-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083764
Project: I-5 EXPANSION, 105812001
Lab ID: 083764-009

Client Sample ID: NM03-B4-Equip
Collection Date: 4/12/2006 11:35:00 AM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3510C				**EPA 8015B(M)**		
RunID: GC7_060417A QC Batch: 27629				PrepDate: 4/17/2006		Analyst: **CBR**
DRO	ND	0.20		mg/L	1	4/17/2006
Surr: p-Terphenyl	0	32-125	S	%REC	1	4/17/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC6_060413A QC Batch: I06VW095				PrepDate:		Analyst: **EA**
GRO	ND	0.20		mg/L	1	4/13/2006
Surr: Bromofluorobenzene (FID)	99.4	76-125		%REC	1	4/13/2006
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3510C				**EPA 8270C**		
RunID: MS7_060414B QC Batch: 27610				PrepDate: 4/14/2006		Analyst: **MFR**
1,2,4-Trichlorobenzene	ND	10		µg/L	1	4/17/2006
1,2-Dichlorobenzene	ND	10		µg/L	1	4/17/2006
1,3-Dichlorobenzene	ND	10		µg/L	1	4/17/2006
1,4-Dichlorobenzene	ND	10		µg/L	1	4/17/2006
2,4,5-Trichlorophenol	ND	10		µg/L	1	4/17/2006
2,4,6-Trichlorophenol	ND	10		µg/L	1	4/17/2006
2,4-Dichlorophenol	ND	10		µg/L	1	4/17/2006
2,4-Dimethylphenol	ND	10		µg/L	1	4/17/2006
2,4-Dinitrophenol	ND	50		µg/L	1	4/17/2006
2,4-Dinitrotoluene	ND	10		µg/L	1	4/17/2006
2,6-Dinitrotoluene	ND	10		µg/L	1	4/17/2006
2-Chloronaphthalene	ND	10		µg/L	1	4/17/2006
2-Chlorophenol	ND	10		µg/L	1	4/17/2006
2-Methylnaphthalene	ND	10		µg/L	1	4/17/2006
2-Methylphenol	ND	10		µg/L	1	4/17/2006
2-Nitroaniline	ND	50		µg/L	1	4/17/2006
2-Nitrophenol	ND	10		µg/L	1	4/17/2006
3,3´-Dichlorobenzidine	ND	20		µg/L	1	4/17/2006
3-Nitroaniline	ND	50		µg/L	1	4/17/2006
4,6-Dinitro-2-methylphenol	ND	50		µg/L	1	4/17/2006
4-Bromophenyl-phenylether	ND	10		µg/L	1	4/17/2006
4-Chloro-3-methylphenol	ND	50		µg/L	1	4/17/2006
4-Chloroaniline	ND	20		µg/L	1	4/17/2006
4-Chlorophenyl-phenylether	ND	10		µg/L	1	4/17/2006
4-Methylphenol	ND	10		µg/L	1	4/17/2006
4-Nitroaniline	ND	20		µg/L	1	4/17/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3510C				**EPA 8270C**		
RunID: MS7_060414B	QC Batch: 27610				PrepDate: 4/14/2006	Analyst: **MFR**
4-Nitrophenol	ND	50		µg/L	1	4/17/2006
Acenaphthene	ND	10		µg/L	1	4/17/2006
Acenaphthylene	ND	10		µg/L	1	4/17/2006
Anthracene	ND	10		µg/L	1	4/17/2006
Benzidine (M)	ND	50		µg/L	1	4/17/2006
Benzo(a)anthracene	ND	10		µg/L	1	4/17/2006
Benzo(a)pyrene	ND	10		µg/L	1	4/17/2006
Benzo(b)fluoranthene	ND	10		µg/L	1	4/17/2006
Benzo(g,h,i)perylene	ND	10		µg/L	1	4/17/2006
Benzo(k)fluoranthene	ND	10		µg/L	1	4/17/2006
Benzoic acid	ND	50		µg/L	1	4/17/2006
Benzyl alcohol	ND	20		µg/L	1	4/17/2006
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	4/17/2006
Bis(2-chloroethyl)ether	ND	10		µg/L	1	4/17/2006
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	4/17/2006
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	4/17/2006
Butylbenzylphthalate	ND	10		µg/L	1	4/17/2006
Chrysene	ND	10		µg/L	1	4/17/2006
Di-n-butylphthalate	ND	10		µg/L	1	4/17/2006
Di-n-octylphthalate	ND	10		µg/L	1	4/17/2006
Dibenz(a,h)anthracene	ND	10		µg/L	1	4/17/2006
Dibenzofuran	ND	10		µg/L	1	4/17/2006
Diethylphthalate	ND	10		µg/L	1	4/17/2006
Dimethylphthalate	ND	10		µg/L	1	4/17/2006
Fluoranthene	ND	10		µg/L	1	4/17/2006
Fluorene	ND	10		µg/L	1	4/17/2006
Hexachlorobenzene	ND	10		µg/L	1	4/17/2006
Hexachlorobutadiene	ND	20		µg/L	1	4/17/2006
Hexachlorocyclopentadiene	ND	10		µg/L	1	4/17/2006
Hexachloroethane	ND	10		µg/L	1	4/17/2006
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	4/17/2006
Isophorone	ND	10		µg/L	1	4/17/2006
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	4/17/2006
N-Nitrosodiphenylamine	ND	10		µg/L	1	4/17/2006
Naphthalene	ND	10		µg/L	1	4/17/2006
Nitrobenzene	ND	10		µg/L	1	4/17/2006
Pentachlorophenol	ND	50		µg/L	1	4/17/2006
Phenanthrene	ND	10		µg/L	1	4/17/2006

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Date: *19-Apr-06*

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Lab ID: 083764-009

Client Sample ID: NM03-B4-Equip
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Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3510C				**EPA 8270C**		
RunID: MS7_060414B	QC Batch: 27610			PrepDate: 4/14/2006		Analyst: **MFR**
Phenol	ND	10		µg/L	1	4/17/2006
Pyrene	ND	10		µg/L	1	4/17/2006
Surr: 1,2-Dichlorobenzene-d4	63.4	41-103		%REC	1	4/17/2006
Surr: 2,4,6-Tribromophenol	95.5	55-137		%REC	1	4/17/2006
Surr: 2-Chlorophenol-d4	74.0	34-117		%REC	1	4/17/2006
Surr: 2-Fluorobiphenyl	81.7	49-114		%REC	1	4/17/2006
Surr: 2-Fluorophenol	45.9	24-74		%REC	1	4/17/2006
Surr: 4-Terphenyl-d14	94.2	42-138		%REC	1	4/17/2006
Surr: Nitrobenzene-d5	88.3	47-115		%REC	1	4/17/2006
Surr: Phenol-d5	32.6	16-63		%REC	1	4/17/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS11_060414A	QC Batch: A06VW095			PrepDate:		Analyst: **HH**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	4/14/2006
1,1,1-Trichloroethane	ND	5.0		µg/L	1	4/14/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	4/14/2006
1,1,2-Trichloroethane	ND	5.0		µg/L	1	4/14/2006
1,1-Dichloroethane	ND	5.0		µg/L	1	4/14/2006
1,1-Dichloroethene	ND	5.0		µg/L	1	4/14/2006
1,1-Dichloropropene	ND	5.0		µg/L	1	4/14/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/L	1	4/14/2006
1,2,3-Trichloropropane	ND	5.0		µg/L	1	4/14/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	4/14/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/L	1	4/14/2006
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	4/14/2006
1,2-Dibromoethane	ND	5.0		µg/L	1	4/14/2006
1,2-Dichlorobenzene	ND	5.0		µg/L	1	4/14/2006
1,2-Dichloroethane	ND	5.0		µg/L	1	4/14/2006
1,2-Dichloropropane	ND	5.0		µg/L	1	4/14/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	4/14/2006
1,3-Dichlorobenzene	ND	5.0		µg/L	1	4/14/2006
1,3-Dichloropropane	ND	5.0		µg/L	1	4/14/2006
1,4-Dichlorobenzene	ND	5.0		µg/L	1	4/14/2006
2,2-Dichloropropane	ND	5.0		µg/L	1	4/14/2006
2-Chlorotoluene	ND	5.0		µg/L	1	4/14/2006
4-Chlorotoluene	ND	5.0		µg/L	1	4/14/2006
4-Isopropyltoluene	ND	5.0		µg/L	1	4/14/2006

Qualifiers:

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Lab ID: 083764-009

Client Sample ID: NM03-B4-Equip
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Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS11_060414A	QC Batch: A06VW095			PrepDate:		Analyst: **HH**
Benzene	ND	5.0		µg/L	1	4/14/2006
Bromobenzene	ND	5.0		µg/L	1	4/14/2006
Bromodichloromethane	ND	5.0		µg/L	1	4/14/2006
Bromoform	ND	5.0		µg/L	1	4/14/2006
Bromomethane	ND	5.0		µg/L	1	4/14/2006
Carbon tetrachloride	ND	5.0		µg/L	1	4/14/2006
Chlorobenzene	ND	5.0		µg/L	1	4/14/2006
Chloroethane	ND	5.0		µg/L	1	4/14/2006
Chloroform	ND	5.0		µg/L	1	4/14/2006
Chloromethane	ND	5.0		µg/L	1	4/14/2006
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	4/14/2006
Dibromochloromethane	ND	5.0		µg/L	1	4/14/2006
Dibromomethane	ND	5.0		µg/L	1	4/14/2006
Dichlorodifluoromethane	ND	5.0		µg/L	1	4/14/2006
Ethylbenzene	ND	5.0		µg/L	1	4/14/2006
Hexachlorobutadiene	ND	5.0		µg/L	1	4/14/2006
Isopropylbenzene	ND	5.0		µg/L	1	4/14/2006
m,p-Xylene	ND	10		µg/L	1	4/14/2006
Methylene chloride	ND	5.0		µg/L	1	4/14/2006
n-Butylbenzene	ND	5.0		µg/L	1	4/14/2006
n-Propylbenzene	ND	5.0		µg/L	1	4/14/2006
Naphthalene	ND	5.0		µg/L	1	4/14/2006
o-Xylene	ND	5.0		µg/L	1	4/14/2006
sec-Butylbenzene	ND	5.0		µg/L	1	4/14/2006
Styrene	ND	5.0		µg/L	1	4/14/2006
tert-Butylbenzene	ND	5.0		µg/L	1	4/14/2006
Tetrachloroethene	ND	5.0		µg/L	1	4/14/2006
Toluene	ND	5.0		µg/L	1	4/14/2006
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	4/14/2006
Trichloroethene	ND	5.0		µg/L	1	4/14/2006
Trichlorofluoromethane	ND	5.0		µg/L	1	4/14/2006
Vinyl chloride	ND	5.0		µg/L	1	4/14/2006
Surr: 1,2-Dichloroethane-d4	88.4	70-126		%REC	1	4/14/2006
Surr: 4-Bromofluorobenzene	94.5	63-134		%REC	1	4/14/2006
Surr: Dibromofluoromethane	89.7	73-124		%REC	1	4/14/2006
Surr: Toluene-d8	95.1	84-123		%REC	1	4/14/2006

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CLIENT: Ninyo & Moore
Work Order: 083764
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **MB-27622A** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/17/2006** RunNo: **62297**
Client ID: **PBS** Batch ID: **27622** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/17/2006** SeqNo: **921777**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID: **LCS-27622** SampType: **LCS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/17/2006** RunNo: **62297**
Client ID: **LCSS** Batch ID: **27622** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/17/2006** SeqNo: **921778**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	250	1.0	250.0	0	98.9	80	120				

Sample ID: **083799-001ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/17/2006** RunNo: **62297**
Client ID: **ZZZZZZ** Batch ID: **27622** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/17/2006** SeqNo: **921782**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.0	1.0						3.190	22.3	20	R

Sample ID: **083799-001AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/17/2006** RunNo: **62297**
Client ID: **ZZZZZZ** Batch ID: **27622** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/17/2006** SeqNo: **921783**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	220	1.0	250.0	3.190	85.9	31	122				

Sample ID: **083799-001AMSD** SampType: **MSD** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/17/2006** RunNo: **62297**
Client ID: **ZZZZZZ** Batch ID: **27622** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/17/2006** SeqNo: **921784**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	220	1.0	250.0	3.190	87.4	31	122	217.9	1.75	20	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interferenc	DO	Surrogate Diluted Out
	Calculations are based on raw values				

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DSL H

Sample ID: **MB-27623** SampType: **MBLK** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **4/14/2006** RunNo: **62231**
Client ID: **PBS** Batch ID: **27623** TestNo: **EPA 8015B(M LUFT** Analysis Date: **4/14/2006** SeqNo: **920690**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	10									
Surr: p-Terphenyl	72		80.00		89.8	56	131				

Sample ID: **LCS-27623** SampType: **LCS** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **4/14/2006** RunNo: **62231**
Client ID: **LCSS** Batch ID: **27623** TestNo: **EPA 8015B(M LUFT** Analysis Date: **4/14/2006** SeqNo: **920691**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1200	10	1000	0	116	67	131				
Surr: p-Terphenyl	92		80.00		114	56	131				

Sample ID: **083765-004AMS** SampType: **MS** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **4/14/2006** RunNo: **62231**
Client ID: **ZZZZZZ** Batch ID: **27623** TestNo: **EPA 8015B(M LUFT** Analysis Date: **4/14/2006** SeqNo: **920692**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1000	10	1000	0	103	49	140				
Surr: p-Terphenyl	80		80.00		99.5	56	131				

Sample ID: **083765-004AMSD** SampType: **MSD** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **4/14/2006** RunNo: **62231**
Client ID: **ZZZZZZ** Batch ID: **27623** TestNo: **EPA 8015B(M LUFT** Analysis Date: **4/14/2006** SeqNo: **920693**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1100	10	1000	0	106	49	140	1027	3.25	30	
Surr: p-Terphenyl	82		80.00		102	56	131		0	30	

Sample ID: **083765-004ADUP** SampType: **DUP** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **4/14/2006** RunNo: **62231**
Client ID: **ZZZZZZ** Batch ID: **27623** TestNo: **EPA 8015B(M LUFT** Analysis Date: **4/14/2006** SeqNo: **920694**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	10						0	0	30	
Surr: p-Terphenyl	66		80.00		82.6	56	131		0	0	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
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Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID: **E041306MB2** SampType: **MBLK** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **62192**
Client ID: **PBS** Batch ID: **E06VS081** TestNo: **EPA 8015B(M** Analysis Date: **4/13/2006** SeqNo: **920181**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0									
Surr: Bromofluorobenzene (FID)	86		100.0		85.6	42	138				

Sample ID: **083735-040AMS** SampType: **MS** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **62192**
Client ID: **ZZZZZZ** Batch ID: **E06VS081** TestNo: **EPA 8015B(M** Analysis Date: **4/14/2006** SeqNo: **920183**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.1	1.0	5.000	0	82.2	34	140				
Surr: Bromofluorobenzene (FID)	93		100.0		92.9	42	138				

Sample ID: **083735-040AMSD** SampType: **MSD** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **62192**
Client ID: **ZZZZZZ** Batch ID: **E06VS081** TestNo: **EPA 8015B(M** Analysis Date: **4/14/2006** SeqNo: **920184**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.0	1.0	5.000	0	79.9	34	140	4.111	2.84	30	
Surr: Bromofluorobenzene (FID)	91		100.0		91.5	42	138		0	30	

Sample ID: **083764-003A** SampType: **DUP** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **62192**
Client ID: **NM03-B4-5.0** Batch ID: **E06VS081** TestNo: **EPA 8015B(M** Analysis Date: **4/14/2006** SeqNo: **920186**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0						0	0	30	
Surr: Bromofluorobenzene (FID)	84		100.0		84.2	42	138		0	0	

Sample ID: **E041306LCS4** SampType: **LCS** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **62192**
Client ID: **LCSS** Batch ID: **E06VS081** TestNo: **EPA 8015B(M** Analysis Date: **4/14/2006** SeqNo: **920189**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.6	1.0	5.000	0	91.1	78	122				
Surr: Bromofluorobenzene (FID)	94		100.0		94.1	42	138				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_DSL H

Sample ID: **MB-27629** SampType: **MBLK** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/17/2006** RunNo: **62303**
Client ID: **PBW** Batch ID: **27629** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/17/2006** SeqNo: **922079**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	0.20									
Surr: p-Terphenyl	0.039		0.08000		49.4	32	125				

Sample ID: **LCS-27629** SampType: **LCS** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/17/2006** RunNo: **62303**
Client ID: **LCSW** Batch ID: **27629** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/17/2006** SeqNo: **922080**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.80	0.20	1.000	0	80.1	60	130				
Surr: p-Terphenyl	0.030		0.08000		37.4	32	125				

Sample ID: **MB-27629MS** SampType: **MS** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/17/2006** RunNo: **62303**
Client ID: **ZZZZZZ** Batch ID: **27629** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/17/2006** SeqNo: **922081**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.83	0.20	1.000	0	83.0	60	130				
Surr: p-Terphenyl	0.029		0.08000		36.2	32	125				

Sample ID: **MB-27629MSD** SampType: **MSD** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/17/2006** RunNo: **62303**
Client ID: **ZZZZZZ** Batch ID: **27629** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/17/2006** SeqNo: **922082**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.78	0.20	1.000	0	78.0	60	130	0.8300	6.27	40	
Surr: p-Terphenyl	0.026		0.08000		32.9	32	125		0	0	

Sample ID: **083765-009DDUP** SampType: **DUP** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/17/2006** RunNo: **62303**
Client ID: **ZZZZZZ** Batch ID: **27629** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/17/2006** SeqNo: **922084**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	0.20						0	0	30	
Surr: p-Terphenyl	0.072		0.08000		89.6	32	125		0	0	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_G PRES

Sample ID: **I041306LCS1** SampType: **LCS** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **62099**
Client ID: **LCSW** Batch ID: **I06VW095** TestNo: **EPA 8015B(M** Analysis Date: **4/13/2006** SeqNo: **919584**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.89	0.20	1.000	0	89.1	71	122				
Surr: Bromofluorobenzene (FID)	100		100.0		105	76	125				

Sample ID: **I041306MB2MS** SampType: **MS** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **62099**
Client ID: **ZZZZZZ** Batch ID: **I06VW095** TestNo: **EPA 8015B(M** Analysis Date: **4/13/2006** SeqNo: **919585**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.87	0.20	1.000	0	87.4	71	122				
Surr: Bromofluorobenzene (FID)	110		100.0		106	76	125				

Sample ID: **I041306MB2MSD** SampType: **MSD** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **62099**
Client ID: **ZZZZZZ** Batch ID: **I06VW095** TestNo: **EPA 8015B(M** Analysis Date: **4/13/2006** SeqNo: **919586**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.96	0.20	1.000	0	95.8	71	122	0.8740	9.17	30	
Surr: Bromofluorobenzene (FID)	110		100.0		108	76	125		0	0	

Sample ID: **I041306MB2** SampType: **MBLK** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **62099**
Client ID: **PBW** Batch ID: **I06VW095** TestNo: **EPA 8015B(M** Analysis Date: **4/13/2006** SeqNo: **919587**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.20									
Surr: Bromofluorobenzene (FID)	100		100.0		103	76	125				

Sample ID: **083765-009B** SampType: **DUP** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **62099**
Client ID: **ZZZZZZ** Batch ID: **I06VW095** TestNo: **EPA 8015B(M** Analysis Date: **4/13/2006** SeqNo: **919590**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.20						0.06500	0	30	
Surr: Bromofluorobenzene (FID)	100		100.0		100	76	125		0	0	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interferenc	DO	Surrogate Diluted Out
	Calculations are based on raw values				

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **P060415LC1** SampType: **LCS** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **62217**
Client ID: **LCSS** Batch ID: **P06VS070** TestNo: **EPA 8260B** Analysis Date: **4/15/2006** SeqNo: **920515**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	110	5.0	100.0	0	107	76	126				
Benzene	110	5.0	100.0	0	108	77	131				
Chlorobenzene	110	5.0	100.0	0	114	81	136				
Toluene	100	5.0	100.0	0	101	78	129				
Trichloroethene	110	5.0	100.0	0	115	78	136				
Surr: 1,2-Dichloroethane-d4	47		50.00		94.4	58	138				
Surr: 4-Bromofluorobenzene	52		50.00		104	74	130				
Surr: Dibromofluoromethane	49		50.00		97.1	58	135				
Surr: Toluene-d8	53		50.00		106	84	130				

Sample ID: **P060415MS** SampType: **MS** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **62217**
Client ID: **ZZZZZZ** Batch ID: **P06VS070** TestNo: **EPA 8260B** Analysis Date: **4/15/2006** SeqNo: **920516**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	110	5.0	100.0	0	107	59	146				
Benzene	110	5.0	100.0	0	108	68	137				
Chlorobenzene	110	5.0	100.0	0	113	64	144				
Toluene	100	5.0	100.0	0	99.9	53	150				
Trichloroethene	110	5.0	100.0	0	112	58	155				
Surr: 1,2-Dichloroethane-d4	46		50.00		92.4	58	138				
Surr: 4-Bromofluorobenzene	53		50.00		106	74	130				
Surr: Dibromofluoromethane	49		50.00		98.1	58	135				
Surr: Toluene-d8	53		50.00		106	84	130				

Sample ID: **P060415MSD** SampType: **MSD** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **62217**
Client ID: **ZZZZZZ** Batch ID: **P06VS070** TestNo: **EPA 8260B** Analysis Date: **4/15/2006** SeqNo: **920517**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	110	5.0	100.0	0	110	59	146				
Benzene	100	5.0	100.0	0	105	68	137				
Chlorobenzene	110	5.0	100.0	0	114	64	144				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **P060415MSD** SampType: **MSD** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **62217**
Client ID: **ZZZZZZ** Batch ID: **P06VS070** TestNo: **EPA 8260B** Analysis Date: **4/15/2006** SeqNo: **920517**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	97	5.0	100.0	0	96.8	53	150				
Trichloroethene	110	5.0	100.0	0	111	58	155				
Surr: 1,2-Dichloroethane-d4	47		50.00		93.9	58	138				
Surr: 4-Bromofluorobenzene	52		50.00		104	74	130				
Surr: Dibromofluoromethane	49		50.00		98.8	58	135				
Surr: Toluene-d8	51		50.00		102	84	130				

Sample ID: **P060415MB1** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **62217**
Client ID: **PBS** Batch ID: **P06VS070** TestNo: **EPA 8260B** Analysis Date: **4/15/2006** SeqNo: **920518**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **P060415MB1** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **62217**
Client ID: **PBS** Batch ID: **P06VS070** TestNo: **EPA 8260B** Analysis Date: **4/15/2006** SeqNo: **920518**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **P060415MB1** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **62217**
Client ID: **PBS** Batch ID: **P06VS070** TestNo: **EPA 8260B** Analysis Date: **4/15/2006** SeqNo: **920518**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	46		50.00		92.4	58	138				
Surr: 4-Bromofluorobenzene	51		50.00		103	74	130				
Surr: Dibromofluoromethane	47		50.00		93.9	58	135				
Surr: Toluene-d8	51		50.00		103	84	130				

Sample ID: **083799-003A** SampType: **DUP** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **62217**
Client ID: **ZZZZZZ** Batch ID: **P06VS070** TestNo: **EPA 8260B** Analysis Date: **4/15/2006** SeqNo: **920520**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0						0	0	30	
1,1,1-Trichloroethane	ND	5.0						0	0	30	
1,1,2,2-Tetrachloroethane	ND	5.0						0	0	30	
1,1,2-Trichloroethane	ND	5.0						0	0	30	
1,1-Dichloroethane	ND	5.0						0	0	30	
1,1-Dichloroethene	ND	5.0						0	0	30	
1,1-Dichloropropene	ND	5.0						0	0	30	
1,2,3-Trichlorobenzene	ND	5.0						0	0	30	
1,2,3-Trichloropropane	ND	5.0						0	0	30	
1,2,4-Trichlorobenzene	ND	5.0						0	0	30	
1,2,4-Trimethylbenzene	ND	5.0						0	0	30	
1,2-Dibromo-3-chloropropane	ND	10						0	0	30	
1,2-Dibromoethane	ND	5.0						0	0	30	
1,2-Dichlorobenzene	ND	5.0						0	0	30	
1,2-Dichloroethane	ND	5.0						0	0	30	
1,2-Dichloropropane	ND	5.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **083799-003A** SampType: **DUP** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **62217**
Client ID: **ZZZZZZ** Batch ID: **P06VS070** TestNo: **EPA 8260B** Analysis Date: **4/15/2006** SeqNo: **920520**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trimethylbenzene	ND	5.0						0	0	30	
1,3-Dichlorobenzene	ND	5.0						0	0	30	
1,3-Dichloropropane	ND	5.0						0	0	30	
1,4-Dichlorobenzene	ND	5.0						0	0	30	
2,2-Dichloropropane	ND	5.0						0	0	30	
2-Chlorotoluene	ND	5.0						0	0	30	
4-Chlorotoluene	ND	5.0						0	0	30	
4-Isopropyltoluene	ND	5.0						0	0	30	
Benzene	ND	5.0						0	0	30	
Bromobenzene	ND	5.0						0	0	30	
Bromodichloromethane	ND	5.0						0	0	30	
Bromoform	ND	5.0						0	0	30	
Bromomethane	ND	5.0						0	0	30	
Carbon tetrachloride	ND	5.0						0	0	30	
Chlorobenzene	ND	5.0						0	0	30	
Chloroethane	ND	5.0						0	0	30	
Chloroform	ND	5.0						0	0	30	
Chloromethane	ND	5.0						0	0	30	
cis-1,2-Dichloroethene	ND	5.0						0	0	30	
cis-1,3-Dichloropropene	ND	5.0						0	0	30	
Dibromochloromethane	ND	5.0						0	0	30	
Dibromomethane	ND	5.0						0	0	30	
Dichlorodifluoromethane	ND	5.0						0	0	30	
Ethylbenzene	ND	5.0						0	0	30	
Hexachlorobutadiene	ND	5.0						0	0	30	
Isopropylbenzene	ND	5.0						0	0	30	
m,p-Xylene	ND	10						0	0	30	
Methylene chloride	ND	5.0						0	0	30	
n-Butylbenzene	ND	5.0						0	0	30	
n-Propylbenzene	ND	5.0						0	0	30	
Naphthalene	ND	5.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **083799-003A** SampType: **DUP** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **62217**
Client ID: **ZZZZZZ** Batch ID: **P06VS070** TestNo: **EPA 8260B** Analysis Date: **4/15/2006** SeqNo: **920520**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene	ND	5.0						0	0	30	
sec-Butylbenzene	ND	5.0						0	0	30	
Styrene	ND	5.0						0	0	30	
tert-Butylbenzene	ND	5.0						0	0	30	
Tetrachloroethene	ND	5.0						0	0	30	
Toluene	ND	5.0						0	0	30	
trans-1,2-Dichloroethene	ND	5.0						0	0	30	
Trichloroethene	ND	5.0						0	0	30	
Trichlorofluoromethane	ND	5.0						0	0	30	
Vinyl chloride	ND	5.0						0	0	30	
Surr: 1,2-Dichloroethane-d4	48		50.00		95.7	58	138		0	30	
Surr: 4-Bromofluorobenzene	52		50.00		104	74	130		0	30	
Surr: Dibromofluoromethane	48		50.00		96.4	58	135		0	30	
Surr: Toluene-d8	51		50.00		102	84	130		0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083764
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **A041406LC1** SampType: **LCS** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **62178**
Client ID: **LCSW** Batch ID: **A06VW095** TestNo: **EPA 8260B** Analysis Date: **4/14/2006** SeqNo: **919915**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	22	5.0	20.00	0	111	76	132				
Benzene	21	5.0	20.00	0	105	90	123				
Chlorobenzene	21	5.0	20.00	0	104	76	118				
Toluene	21	5.0	20.00	0	103	91	124				
Trichloroethene	21	5.0	20.00	0	105	87	125				
Surr: 1,2-Dichloroethane-d4	43		50.00		86.1	70	126				
Surr: 4-Bromofluorobenzene	48		50.00		95.8	63	134				
Surr: Dibromofluoromethane	44		50.00		89.0	73	124				
Surr: Toluene-d8	48		50.00		95.5	84	123				

Sample ID: **A041406MB1MS** SampType: **MS** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **62178**
Client ID: **ZZZZZZ** Batch ID: **A06VW095** TestNo: **EPA 8260B** Analysis Date: **4/14/2006** SeqNo: **919916**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	22	5.0	20.00	0	110	76	132				
Benzene	21	5.0	20.00	0	106	90	123				
Chlorobenzene	22	5.0	20.00	0	108	76	118				
Toluene	21	5.0	20.00	0	104	91	124				
Trichloroethene	21	5.0	20.00	0	104	87	125				
Surr: 1,2-Dichloroethane-d4	43		50.00		86.0	70	126				
Surr: 4-Bromofluorobenzene	51		50.00		101	63	134				
Surr: Dibromofluoromethane	45		50.00		89.3	73	124				
Surr: Toluene-d8	48		50.00		95.2	84	123				

Sample ID: **A041406MB1MSD** SampType: **MSD** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **62178**
Client ID: **ZZZZZZ** Batch ID: **A06VW095** TestNo: **EPA 8260B** Analysis Date: **4/14/2006** SeqNo: **919917**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	22	5.0	20.00	0	110	76	132	22.04	0.364	30	
Benzene	21	5.0	20.00	0	105	90	123	21.13	0.856	30	
Chlorobenzene	21	5.0	20.00	0	107	76	118	21.55	0.792	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **A041406MB1MSD** SampType: **MSD** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **62178**
Client ID: **ZZZZZZ** Batch ID: **A06VW095** TestNo: **EPA 8260B** Analysis Date: **4/14/2006** SeqNo: **919917**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	21	5.0	20.00	0	104	91	124	20.71	0.193	30	
Trichloroethene	21	5.0	20.00	0	105	87	125	20.79	0.814	30	
Surr: 1,2-Dichloroethane-d4	43		50.00		86.3	70	126		0	30	
Surr: 4-Bromofluorobenzene	51		50.00		101	63	134		0	30	
Surr: Dibromofluoromethane	44		50.00		88.5	73	124		0	30	
Surr: Toluene-d8	48		50.00		95.5	84	123		0	30	

Sample ID: **A041406MB1** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **62178**
Client ID: **PBW** Batch ID: **A06VW095** TestNo: **EPA 8260B** Analysis Date: **4/14/2006** SeqNo: **919918**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	5.0									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Work Order: 083764
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **A041406MB1** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **62178**
Client ID: **PBW** Batch ID: **A06VW095** TestNo: **EPA 8260B** Analysis Date: **4/14/2006** SeqNo: **919918**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
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H Holding times for preparation or analysis exceeded
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CLIENT: Ninyo & Moore
Work Order: 083764
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **A041406MB1** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **62178**
Client ID: **PBW** Batch ID: **A06VW095** TestNo: **EPA 8260B** Analysis Date: **4/14/2006** SeqNo: **919918**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	42		50.00		84.4	70	126				
Surr: 4-Bromofluorobenzene	49		50.00		97.4	63	134				
Surr: Dibromofluoromethane	44		50.00		87.9	73	124				
Surr: Toluene-d8	47		50.00		94.1	84	123				

Sample ID: **083764-008ADUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **62178**
Client ID: **NM03-B4-GW** Batch ID: **A06VW095** TestNo: **EPA 8260B** Analysis Date: **4/14/2006** SeqNo: **920755**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0						0	0	30	
1,1,1-Trichloroethane	ND	5.0						0	0	30	
1,1,2,2-Tetrachloroethane	ND	5.0						0	0	30	
1,1,2-Trichloroethane	ND	5.0						0	0	30	
1,1-Dichloroethane	ND	5.0						0	0	30	
1,1-Dichloroethene	ND	5.0						0	0	30	
1,1-Dichloropropene	ND	5.0						0	0	30	
1,2,3-Trichlorobenzene	ND	5.0						0	0	30	
1,2,3-Trichloropropane	ND	5.0						0	0	30	
1,2,4-Trichlorobenzene	ND	5.0						0	0	30	
1,2,4-Trimethylbenzene	ND	5.0						0	0	30	
1,2-Dibromo-3-chloropropane	ND	5.0						0	0	30	
1,2-Dibromoethane	ND	5.0						0	0	30	
1,2-Dichlorobenzene	ND	5.0						0	0	30	
1,2-Dichloroethane	ND	5.0						3.970	0	30	
1,2-Dichloropropane	ND	5.0						4.130	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083764
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **083764-008ADUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **62178**
Client ID: **NM03-B4-GW** Batch ID: **A06VW095** TestNo: **EPA 8260B** Analysis Date: **4/14/2006** SeqNo: **920755**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trimethylbenzene	ND	5.0						0	0	30	
1,3-Dichlorobenzene	ND	5.0						0	0	30	
1,3-Dichloropropane	ND	5.0						0	0	30	
1,4-Dichlorobenzene	ND	5.0						0	0	30	
2,2-Dichloropropane	ND	5.0						0	0	30	
2-Butanone	ND	50						0	0	30	
2-Chloroethyl vinyl ether	ND	5.0						0	0	30	
2-Chlorotoluene	ND	5.0						0	0	30	
2-Hexanone	ND	50						0	0	30	
4-Chlorotoluene	ND	5.0						0	0	30	
4-Isopropyltoluene	ND	5.0						0	0	30	
4-Methyl-2-pentanone	ND	50						0	0	30	
Acetone	ND	50						0	0	30	
Acrolein	ND	50						0	0	30	
Acrylonitrile	ND	50						0	0	30	
Benzene	ND	5.0						0	0	30	
Bromobenzene	ND	5.0						0	0	30	
Bromochloromethane	ND	5.0						0	0	30	
Bromodichloromethane	ND	5.0						0	0	30	
Bromoform	ND	5.0						0	0	30	
Bromomethane	ND	5.0						0	0	30	
Carbon disulfide	ND	5.0						0	0	30	
Carbon tetrachloride	ND	5.0						0	0	30	
Chlorobenzene	ND	5.0						0	0	30	
Chloroethane	ND	5.0						0	0	30	
Chloroform	ND	5.0						0	0	30	
Chloromethane	ND	5.0						0	0	30	
cis-1,2-Dichloroethene	15	5.0						15.70	1.80	30	
cis-1,3-Dichloropropene	ND	5.0						0	0	30	
Cyclohexanone	ND	50						0	0	30	
Di-isopropyl ether	ND	5.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083764
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **083764-008ADUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **62178**
Client ID: **NM03-B4-GW** Batch ID: **A06VW095** TestNo: **EPA 8260B** Analysis Date: **4/14/2006** SeqNo: **920755**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	ND	5.0						0	0	30	
Dibromomethane	ND	5.0						0	0	30	
Dichlorodifluoromethane	ND	5.0						0	0	30	
Ethyl Acetate	ND	50						0	0	30	
Ethyl Ether	ND	50						0	0	30	
Ethyl tert-butyl ether	ND	5.0						0	0	30	
Ethylbenzene	ND	5.0						0	0	30	
Freon-113	ND	5.0						0	0	30	
Hexachlorobutadiene	ND	5.0						0	0	30	
Iodomethane	ND	5.0						0	0	30	
Isopropylbenzene	ND	5.0						0	0	30	
m,p-Xylene	ND	10						0	0	30	
Methylene chloride	ND	5.0						0	0	30	
MTBE	9.7	5.0						9.710	0.516	30	
n-Butylbenzene	ND	5.0						0	0	30	
n-Propylbenzene	ND	5.0						0	0	30	
Naphthalene	ND	5.0						0	0	30	
o-Xylene	ND	5.0						0	0	30	
sec-Butylbenzene	ND	5.0						0	0	30	
Styrene	ND	5.0						0	0	30	
Tert-amyl methyl ether	ND	5.0						0	0	30	
Tert-Butanol	ND	100						0	0	30	
tert-Butylbenzene	ND	5.0						0	0	30	
Tetrachloroethene	31	5.0						31.09	0.289	30	
Toluene	ND	5.0						0	0	30	
trans-1,2-Dichloroethene	ND	5.0						0	0	30	
trans-1,3-Dichloropropene	ND	5.0						0	0	30	
Trichloroethene	78	5.0						78.07	0.0769	30	
Trichlorofluoromethane	ND	5.0						0	0	30	
Vinyl acetate	ND	50						0	0	30	
Vinyl chloride	ND	5.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083764
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **083764-008ADUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **62178**
Client ID: **NM03-B4-GW** Batch ID: **A06VW095** TestNo: **EPA 8260B** Analysis Date: **4/14/2006** SeqNo: **920755**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Xylenes, Total	ND	15						0	0	30	
Surr: 1,2-Dichloroethane-d4	43		50.00		85.6	70	126		0	30	
Surr: 4-Bromofluorobenzene	48		50.00		95.0	63	134		0	30	
Surr: Dibromofluoromethane	44		50.00		88.7	73	124		0	30	
Surr: Toluene-d8	48		50.00		95.8	84	123		0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
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H Holding times for preparation or analysis exceeded
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ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-27625** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/14/2006** RunNo: **62221**
Client ID: **PBS** Batch ID: **27625** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/14/2006** SeqNo: **920577**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	330									
1,2-Dichlorobenzene	ND	330									
1,3-Dichlorobenzene	ND	330									
1,4-Dichlorobenzene	ND	330									
2,4,5-Trichlorophenol	ND	330									
2,4,6-Trichlorophenol	ND	330									
2,4-Dichlorophenol	ND	1600									
2,4-Dimethylphenol	ND	330									
2,4-Dinitrophenol	ND	1600									
2,4-Dinitrotoluene	ND	330									
2,6-Dinitrotoluene	ND	330									
2-Chloronaphthalene	ND	330									
2-Chlorophenol	ND	330									
2-Methylnaphthalene	ND	330									
2-Methylphenol	ND	330									
2-Nitroaniline	ND	1600									
2-Nitrophenol	ND	330									
3,3´-Dichlorobenzidine	ND	660									
3-Nitroaniline	ND	1600									
4,6-Dinitro-2-methylphenol	ND	1600									
4-Bromophenyl-phenylether	ND	330									
4-Chloro-3-methylphenol	ND	660									
4-Chloroaniline	ND	660									
4-Chlorophenyl-phenylether	ND	330									
4-Methylphenol	ND	330									
4-Nitroaniline	ND	1600									
4-Nitrophenol	ND	1600									
Acenaphthene	ND	330									
Acenaphthylene	ND	330									
Anthracene	ND	330									
Benzidine (M)	ND	1600									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
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CLIENT: Ninyo & Moore
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Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-27625** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/14/2006** RunNo: **62221**
Client ID: **PBS** Batch ID: **27625** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/14/2006** SeqNo: **920577**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)anthracene	ND	330									
Benzo(a)pyrene	ND	330									
Benzo(b)fluoranthene	ND	330									
Benzo(g,h,i)perylene	ND	330									
Benzo(k)fluoranthene	ND	330									
Benzoic acid	ND	1600									
Benzyl alcohol	ND	660									
Bis(2-chloroethoxy)methane	ND	330									
Bis(2-chloroethyl)ether	ND	330									
Bis(2-chloroisopropyl)ether	ND	330									
Bis(2-ethylhexyl)phthalate	ND	330									
Butylbenzylphthalate	ND	330									
Chrysene	ND	330									
Di-n-butylphthalate	ND	330									
Di-n-octylphthalate	ND	330									
Dibenz(a,h)anthracene	ND	330									
Dibenzofuran	ND	330									
Diethylphthalate	ND	330									
Dimethylphthalate	ND	330									
Fluoranthene	ND	330									
Fluorene	ND	330									
Hexachlorobenzene	ND	330									
Hexachlorobutadiene	ND	660									
Hexachlorocyclopentadiene	ND	660									
Hexachloroethane	ND	330									
Indeno(1,2,3-cd)pyrene	ND	330									
Isophorone	ND	330									
N-Nitrosodi-n-propylamine	ND	330									
N-Nitrosodiphenylamine	ND	330									
Naphthalene	ND	330									
Nitrobenzene	ND	330									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083764
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-27625** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/14/2006** RunNo: **62221**
Client ID: **PBS** Batch ID: **27625** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/14/2006** SeqNo: **920577**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	ND	1600									
Phenanthrene	ND	330									
Phenol	ND	330									
Pyrene	ND	330									
Surr: 1,2-Dichlorobenzene-d4	2600		3330		77.5	46	105				
Surr: 2,4,6-Tribromophenol	3000		3330		91.5	46	146				
Surr: 2-Chlorophenol-d4	2500		3330		75.1	48	117				
Surr: 2-Fluorobiphenyl	2900		3330		87.4	54	112				
Surr: 2-Fluorophenol	2600		3330		77.2	45	119				
Surr: 4-Terphenyl-d14	3700		3330		111	46	135				
Surr: Nitrobenzene-d5	2900		3330		88.0	40	116				
Surr: Phenol-d5	2500		3330		75.3	37	127				

Sample ID: **LCS-27625** SampType: **LCS** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/14/2006** RunNo: **62221**
Client ID: **LCSS** Batch ID: **27625** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/14/2006** SeqNo: **920578**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2800	330	3330	0	85.4	58	117				
1,4-Dichlorobenzene	2500	330	3330	0	75.6	56	100				
2,4-Dinitrotoluene	3200	330	3330	0	97.4	71	135				
2-Chlorophenol	2500	330	3330	0	75.3	66	107				
4-Chloro-3-methylphenol	3200	660	3330	0	95.0	74	128				
4-Nitrophenol	2800	1600	3330	0	84.1	54	133				
Acenaphthene	3000	330	3330	0	90.6	73	118				
N-Nitrosodi-n-propylamine	3100	330	3330	0	92.4	67	113				
Pentachlorophenol	3200	1600	3330	0	96.4	78	127				
Phenol	2700	330	3330	0	79.8	67	110				
Pyrene	2900	330	3330	0	87.9	74	127				
Surr: 1,2-Dichlorobenzene-d4	2700		3330		79.8	46	105				
Surr: 2,4,6-Tribromophenol	3300		3330		99.2	46	146				
Surr: 2-Chlorophenol-d4	2700		3330		80.4	48	117				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083764
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **LCS-27625** SampType: **LCS** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/14/2006** RunNo: **62221**
Client ID: **LCSS** Batch ID: **27625** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/14/2006** SeqNo: **920578**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorobiphenyl	3000		3330		91.2	54	112				
Surr: 2-Fluorophenol	2700		3330		82.0	45	119				
Surr: 4-Terphenyl-d14	3500		3330		106	46	135				
Surr: Nitrobenzene-d5	3000		3330		89.1	40	116				
Surr: Phenol-d5	2700		3330		82.5	37	127				

Sample ID: **083765-005ADUP** SampType: **DUP** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/14/2006** RunNo: **62221**
Client ID: **ZZZZZZ** Batch ID: **27625** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/14/2006** SeqNo: **920581**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	330						0	0	30	
1,2-Dichlorobenzene	ND	330						0	0	30	
1,3-Dichlorobenzene	ND	330						0	0	30	
1,4-Dichlorobenzene	ND	330						0	0	30	
2,4,5-Trichlorophenol	ND	330						0	0	30	
2,4,6-Trichlorophenol	ND	330						0	0	30	
2,4-Dichlorophenol	ND	1600						0	0	30	
2,4-Dimethylphenol	ND	330						0	0	30	
2,4-Dinitrophenol	ND	1600						0	0	30	
2,4-Dinitrotoluene	ND	330						0	0	30	
2,6-Dinitrotoluene	ND	330						0	0	30	
2-Chloronaphthalene	ND	330						0	0	30	
2-Chlorophenol	ND	330						0	0	30	
2-Methylnaphthalene	ND	330						0	0	30	
2-Methylphenol	ND	330						0	0	30	
2-Nitroaniline	ND	1600						0	0	30	
2-Nitrophenol	ND	330						0	0	30	
3,3´-Dichlorobenzidine	ND	660						0	0	30	
3-Nitroaniline	ND	1600						0	0	30	
4,6-Dinitro-2-methylphenol	ND	1600						0	0	30	
4-Bromophenyl-phenylether	ND	330						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Work Order: 083764
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **083765-005ADUP** SampType: **DUP** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/14/2006** RunNo: **62221**
Client ID: **ZZZZZZ** Batch ID: **27625** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/14/2006** SeqNo: **920581**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chloro-3-methylphenol	ND	660						0	0	30	
4-Chloroaniline	ND	660						0	0	30	
4-Chlorophenyl-phenylether	ND	330						0	0	30	
4-Methylphenol	ND	330						0	0	30	
4-Nitroaniline	ND	1600						0	0	30	
4-Nitrophenol	ND	1600						0	0	30	
Acenaphthene	ND	330						0	0	30	
Acenaphthylene	ND	330						0	0	30	
Anthracene	ND	330						0	0	30	
Benzidine (M)	ND	1600						0	0	30	
Benzo(a)anthracene	ND	330						0	0	30	
Benzo(a)pyrene	ND	330						0	0	30	
Benzo(b)fluoranthene	ND	330						0	0	30	
Benzo(g,h,i)perylene	ND	330						0	0	30	
Benzo(k)fluoranthene	ND	330						0	0	30	
Benzoic acid	ND	1600						0	0	30	
Benzyl alcohol	ND	660						0	0	30	
Bis(2-chloroethoxy)methane	ND	330						0	0	30	
Bis(2-chloroethyl)ether	ND	330						0	0	30	
Bis(2-chloroisopropyl)ether	ND	330						0	0	30	
Bis(2-ethylhexyl)phthalate	ND	330						0	0	30	
Butylbenzylphthalate	ND	330						0	0	30	
Chrysene	ND	330						0	0	30	
Di-n-butylphthalate	ND	330						0	0	30	
Di-n-octylphthalate	ND	330						0	0	30	
Dibenz(a,h)anthracene	ND	330						0	0	30	
Dibenzofuran	ND	330						0	0	30	
Diethylphthalate	ND	330						0	0	30	
Dimethylphthalate	ND	330						0	0	30	
Fluoranthene	ND	330						0	0	30	
Fluorene	ND	330						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Work Order: 083764
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **083765-005ADUP** SampType: **DUP** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/14/2006** RunNo: **62221**
Client ID: **ZZZZZZ** Batch ID: **27625** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/14/2006** SeqNo: **920581**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobenzene	ND	330						0	0	30	
Hexachlorobutadiene	ND	660						0	0	30	
Hexachlorocyclopentadiene	ND	660						0	0	30	
Hexachloroethane	ND	330						0	0	30	
Indeno(1,2,3-cd)pyrene	ND	330						0	0	30	
Isophorone	ND	330						0	0	30	
N-Nitrosodi-n-propylamine	ND	330						0	0	30	
N-Nitrosodiphenylamine	ND	330						0	0	30	
Naphthalene	ND	330						0	0	30	
Nitrobenzene	ND	330						0	0	30	
Pentachlorophenol	ND	1600						0	0	30	
Phenanthrene	ND	330						0	0	30	
Phenol	ND	330						0	0	30	
Pyrene	ND	330						0	0	30	
Surr: 1,2-Dichlorobenzene-d4	2100		3330		64.4	46	105		0	0	
Surr: 2,4,6-Tribromophenol	2600		3330		77.6	46	146		0	0	
Surr: 2-Chlorophenol-d4	2000		3330		60.8	48	117		0	0	
Surr: 2-Fluorobiphenyl	2400		3330		70.6	54	112		0	0	
Surr: 2-Fluorophenol	2100		3330		62.6	45	119		0	0	
Surr: 4-Terphenyl-d14	3300		3330		98.5	46	135		0	0	
Surr: Nitrobenzene-d5	2300		3330		69.1	40	116		0	0	
Surr: Phenol-d5	2000		3330		60.7	37	127		0	0	

Sample ID: **LCS-27625** SampType: **LCS** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/14/2006** RunNo: **62284**
Client ID: **LCSS** Batch ID: **27625** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/17/2006** SeqNo: **921549**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2800	330	3330	0	84.4	58	117				
1,4-Dichlorobenzene	2600	330	3330	0	78.2	56	100				
2,4-Dinitrotoluene	3800	330	3330	0	113	71	135				
2-Chlorophenol	2800	330	3330	0	84.4	66	107				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **LCS-27625** SampType: **LCS** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/14/2006** RunNo: **62284**
Client ID: **LCSS** Batch ID: **27625** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/17/2006** SeqNo: **921549**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chloro-3-methylphenol	3400	660	3330	0	103	74	128				
4-Nitrophenol	3700	1600	3330	0	112	54	133				
Acenaphthene	2900	330	3330	0	86.8	73	118				
N-Nitrosodi-n-propylamine	3300	330	3330	0	99.3	67	113				
Pentachlorophenol	3800	1600	3330	0	115	78	127				
Phenol	3100	330	3330	0	93.0	67	110				
Pyrene	3200	330	3330	0	95.0	74	127				
Surr: 1,2-Dichlorobenzene-d4	2400		3330		73.4	46	105				
Surr: 2,4,6-Tribromophenol	3600		3330		107	46	146				
Surr: 2-Chlorophenol-d4	2900		3330		86.7	48	117				
Surr: 2-Fluorobiphenyl	3100		3330		93.6	54	112				
Surr: 2-Fluorophenol	2800		3330		85.6	45	119				
Surr: 4-Terphenyl-d14	3200		3330		94.8	46	135				
Surr: Nitrobenzene-d5	3200		3330		95.2	40	116				
Surr: Phenol-d5	3100		3330		93.0	37	127				

Sample ID: **083764-003AMS** SampType: **MS** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/14/2006** RunNo: **62284**
Client ID: **NM03-B4-5.0** Batch ID: **27625** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/17/2006** SeqNo: **921550**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2700	330	3330	0	81.6	45	126				
1,4-Dichlorobenzene	2400	330	3330	0	72.6	41	110				
2,4-Dinitrotoluene	3900	330	3330	0	117	57	139				
2-Chlorophenol	2800	330	3330	0	84.0	52	117				
4-Chloro-3-methylphenol	3600	660	3330	0	107	63	135				
4-Nitrophenol	4000	1600	3330	0	119	48	137				
Acenaphthene	2900	330	3330	0	87.4	59	129				
N-Nitrosodi-n-propylamine	3200	330	3330	0	96.7	41	135				
Pentachlorophenol	4100	1600	3330	0	124	55	146				
Phenol	3100	330	3330	0	91.6	51	122				
Pyrene	3300	330	3330	0	97.6	58	138				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **083764-003AMS** SampType: **MS** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/14/2006** RunNo: **62284**
Client ID: **NM03-B4-5.0** Batch ID: **27625** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/17/2006** SeqNo: **921550**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichlorobenzene-d4	2200		3330		65.8	46	105				
Surr: 2,4,6-Tribromophenol	3400		3330		103	46	146				
Surr: 2-Chlorophenol-d4	2600		3330		79.2	48	117				
Surr: 2-Fluorobiphenyl	2900		3330		87.8	54	112				
Surr: 2-Fluorophenol	2600		3330		77.8	45	119				
Surr: 4-Terphenyl-d14	3000		3330		90.6	46	135				
Surr: Nitrobenzene-d5	2900		3330		87.0	40	116				
Surr: Phenol-d5	2800		3330		84.9	37	127				

Sample ID: **083764-003AMSD** SampType: **MSD** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/14/2006** RunNo: **62284**
Client ID: **NM03-B4-5.0** Batch ID: **27625** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/17/2006** SeqNo: **921551**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2700	330	3330	0	81.8	45	126	2716	0.257	30	
1,4-Dichlorobenzene	2400	330	3330	0	72.9	41	110	2418	0.454	30	
2,4-Dinitrotoluene	3800	330	3330	0	114	57	139	3902	2.91	30	
2-Chlorophenol	2800	330	3330	0	83.0	52	117	2798	1.22	30	
4-Chloro-3-methylphenol	3500	660	3330	0	105	63	135	3578	2.15	30	
4-Nitrophenol	3800	1600	3330	0	115	48	137	3968	3.68	30	
Acenaphthene	2900	330	3330	0	88.2	59	129	2912	0.900	30	
N-Nitrosodi-n-propylamine	3200	330	3330	0	94.7	41	135	3221	2.07	30	
Pentachlorophenol	4100	1600	3330	0	123	55	146	4125	0.779	30	
Phenol	3000	330	3330	0	90.2	51	122	3051	1.56	30	
Pyrene	3200	330	3330	0	94.6	58	138	3251	3.11	30	
Surr: 1,2-Dichlorobenzene-d4	2200		3330		64.7	46	105		0	30	
Surr: 2,4,6-Tribromophenol	3400		3330		101	46	146		0	30	
Surr: 2-Chlorophenol-d4	2600		3330		76.8	48	117		0	30	
Surr: 2-Fluorobiphenyl	2900		3330		87.9	54	112		0	30	
Surr: 2-Fluorophenol	2500		3330		75.6	45	119		0	30	
Surr: 4-Terphenyl-d14	2900		3330		88.2	46	135		0	30	
Surr: Nitrobenzene-d5	2800		3330		85.2	40	116		0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **083764-003AMSD** SampType: **MSD** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/14/2006** RunNo: **62284**
Client ID: **NM03-B4-5.0** Batch ID: **27625** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/17/2006** SeqNo: **921551**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Phenol-d5	2700		3330		82.5	37	127		0	30	

Sample ID: **MB-27625** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/14/2006** RunNo: **62284**
Client ID: **PBS** Batch ID: **27625** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/17/2006** SeqNo: **921552**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	330									
1,2-Dichlorobenzene	ND	330									
1,3-Dichlorobenzene	ND	330									
1,4-Dichlorobenzene	ND	330									
2,4,5-Trichlorophenol	ND	330									
2,4,6-Trichlorophenol	ND	330									
2,4-Dichlorophenol	ND	1600									
2,4-Dimethylphenol	ND	330									
2,4-Dinitrophenol	ND	1600									
2,4-Dinitrotoluene	ND	330									
2,6-Dinitrotoluene	ND	330									
2-Chloronaphthalene	ND	330									
2-Chlorophenol	ND	330									
2-Methylnaphthalene	ND	330									
2-Methylphenol	ND	330									
2-Nitroaniline	ND	1600									
2-Nitrophenol	ND	330									
3,3´-Dichlorobenzidine	ND	660									
3-Nitroaniline	ND	1600									
4,6-Dinitro-2-methylphenol	ND	1600									
4-Bromophenyl-phenylether	ND	330									
4-Chloro-3-methylphenol	ND	660									
4-Chloroaniline	ND	660									
4-Chlorophenyl-phenylether	ND	330									
4-Methylphenol	ND	330									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
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CLIENT: Ninyo & Moore
Work Order: 083764
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-27625** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/14/2006** RunNo: **62284**
Client ID: **PBS** Batch ID: **27625** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/17/2006** SeqNo: **921552**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Nitroaniline	ND	1600									
4-Nitrophenol	ND	1600									
Acenaphthene	ND	330									
Acenaphthylene	ND	330									
Anthracene	ND	330									
Benzidine (M)	ND	1600									
Benzo(a)anthracene	ND	330									
Benzo(a)pyrene	ND	330									
Benzo(b)fluoranthene	ND	330									
Benzo(g,h,i)perylene	ND	330									
Benzo(k)fluoranthene	ND	330									
Benzoic acid	ND	1600									
Benzyl alcohol	ND	660									
Bis(2-chloroethoxy)methane	ND	330									
Bis(2-chloroethyl)ether	ND	330									
Bis(2-chloroisopropyl)ether	ND	330									
Bis(2-ethylhexyl)phthalate	ND	330									
Butylbenzylphthalate	ND	330									
Chrysene	ND	330									
Di-n-butylphthalate	ND	330									
Di-n-octylphthalate	ND	330									
Dibenz(a,h)anthracene	ND	330									
Dibenzofuran	ND	330									
Diethylphthalate	ND	330									
Dimethylphthalate	ND	330									
Fluoranthene	ND	330									
Fluorene	ND	330									
Hexachlorobenzene	ND	330									
Hexachlorobutadiene	ND	660									
Hexachlorocyclopentadiene	ND	660									
Hexachloroethane	ND	330									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083764
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-27625** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/14/2006** RunNo: **62284**
Client ID: **PBS** Batch ID: **27625** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/17/2006** SeqNo: **921552**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Indeno(1,2,3-cd)pyrene	ND	330									
Isophorone	ND	330									
N-Nitrosodi-n-propylamine	ND	330									
N-Nitrosodiphenylamine	ND	330									
Naphthalene	ND	330									
Nitrobenzene	ND	330									
Pentachlorophenol	ND	1600									
Phenanthrene	ND	330									
Phenol	ND	330									
Pyrene	ND	330									
Surr: 1,2-Dichlorobenzene-d4	2400		3330		73.1	46	105				
Surr: 2,4,6-Tribromophenol	3400		3330		101	46	146				
Surr: 2-Chlorophenol-d4	2800		3330		83.8	48	117				
Surr: 2-Fluorobiphenyl	3100		3330		92.2	54	112				
Surr: 2-Fluorophenol	2700		3330		82.3	45	119				
Surr: 4-Terphenyl-d14	3100		3330		91.7	46	135				
Surr: Nitrobenzene-d5	3000		3330		91.1	40	116				
Surr: Phenol-d5	3000		3330		90.0	37	127				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083764
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **MB-27610** SampType: **MBLK** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/14/2006** RunNo: **62179**
Client ID: **PBW** Batch ID: **27610** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/14/2006** SeqNo: **919924**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	10									
1,2-Dichlorobenzene	ND	10									
1,3-Dichlorobenzene	ND	10									
1,4-Dichlorobenzene	ND	10									
2,4,5-Trichlorophenol	ND	10									
2,4,6-Trichlorophenol	ND	10									
2,4-Dichlorophenol	ND	10									
2,4-Dimethylphenol	ND	10									
2,4-Dinitrophenol	ND	50									
2,4-Dinitrotoluene	ND	10									
2,6-Dinitrotoluene	ND	10									
2-Chloronaphthalene	ND	10									
2-Chlorophenol	ND	10									
2-Methylnaphthalene	ND	10									
2-Methylphenol	ND	10									
2-Nitroaniline	ND	50									
2-Nitrophenol	ND	10									
3,3´-Dichlorobenzidine	ND	20									
3-Nitroaniline	ND	50									
4,6-Dinitro-2-methylphenol	ND	50									
4-Bromophenyl-phenylether	ND	10									
4-Chloro-3-methylphenol	ND	50									
4-Chloroaniline	ND	20									
4-Chlorophenyl-phenylether	ND	10									
4-Methylphenol	ND	10									
4-Nitroaniline	ND	20									
4-Nitrophenol	ND	50									
Acenaphthene	ND	10									
Acenaphthylene	ND	10									
Anthracene	ND	10									
Benzidine (M)	ND	50									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
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H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **MB-27610** SampType: **MBLK** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/14/2006** RunNo: **62179**
Client ID: **PBW** Batch ID: **27610** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/14/2006** SeqNo: **919924**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)anthracene	ND	10									
Benzo(a)pyrene	ND	10									
Benzo(b)fluoranthene	ND	10									
Benzo(g,h,i)perylene	ND	10									
Benzo(k)fluoranthene	ND	10									
Benzoic acid	ND	50									
Benzyl alcohol	ND	20									
Bis(2-chloroethoxy)methane	ND	10									
Bis(2-chloroethyl)ether	ND	10									
Bis(2-chloroisopropyl)ether	ND	10									
Bis(2-ethylhexyl)phthalate	ND	10									
Butylbenzylphthalate	ND	10									
Chrysene	ND	10									
Di-n-butylphthalate	ND	10									
Di-n-octylphthalate	ND	10									
Dibenz(a,h)anthracene	ND	10									
Dibenzofuran	ND	10									
Diethylphthalate	ND	10									
Dimethylphthalate	ND	10									
Fluoranthene	ND	10									
Fluorene	ND	10									
Hexachlorobenzene	ND	10									
Hexachlorobutadiene	ND	20									
Hexachlorocyclopentadiene	ND	10									
Hexachloroethane	ND	10									
Indeno(1,2,3-cd)pyrene	ND	10									
Isophorone	ND	10									
N-Nitrosodi-n-propylamine	ND	10									
N-Nitrosodiphenylamine	ND	10									
Naphthalene	ND	10									
Nitrobenzene	ND	10									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
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CLIENT: Ninyo & Moore
Work Order: 083764
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **MB-27610** SampType: **MBLK** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/14/2006** RunNo: **62179**
Client ID: **PBW** Batch ID: **27610** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/14/2006** SeqNo: **919924**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	ND	50									
Phenanthrene	ND	10									
Phenol	ND	10									
Pyrene	ND	10									
Surr: 1,2-Dichlorobenzene-d4	65		100.0		65.1	41	103				
Surr: 2,4,6-Tribromophenol	85		100.0		84.7	55	137				
Surr: 2-Chlorophenol-d4	73		100.0		72.7	34	117				
Surr: 2-Fluorobiphenyl	81		100.0		81.5	49	114				
Surr: 2-Fluorophenol	54		100.0		54.0	24	74				
Surr: 4-Terphenyl-d14	81		100.0		81.0	42	138				
Surr: Nitrobenzene-d5	83		100.0		83.3	47	115				
Surr: Phenol-d5	41		100.0		41.4	16	63				

Sample ID: **LCS-27610** SampType: **LCS** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/14/2006** RunNo: **62179**
Client ID: **LCSW** Batch ID: **27610** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/14/2006** SeqNo: **919925**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	73	10	100.0	0	72.5	60	120				
1,4-Dichlorobenzene	69	10	100.0	0	69.0	56	103				
2,4-Dinitrotoluene	100	10	100.0	0	101	71	136				
2-Chlorophenol	71	10	100.0	0	71.2	59	107				
4-Chloro-3-methylphenol	87	50	100.0	0	87.3	72	126				
4-Nitrophenol	60	50	100.0	0	59.6	30	88				
Acenaphthene	72	10	100.0	0	72.3	72	119				
N-Nitrosodi-n-propylamine	87	10	100.0	0	87.4	65	120				
Pentachlorophenol	99	50	100.0	0	99.3	78	122				
Phenol	44	10	100.0	0	44.0	35	66				
Pyrene	89	10	100.0	0	89.1	73	127				
Surr: 1,2-Dichlorobenzene-d4	61		100.0		61.0	41	103				
Surr: 2,4,6-Tribromophenol	97		100.0		96.9	55	137				
Surr: 2-Chlorophenol-d4	75		100.0		75.4	34	117				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Work Order: 083764
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **LCS-27610** SampType: **LCS** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/14/2006** RunNo: **62179**
Client ID: **LCSW** Batch ID: **27610** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/14/2006** SeqNo: **919925**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorobiphenyl	77		100.0		77.1	49	114				
Surr: 2-Fluorophenol	55		100.0		55.3	24	74				
Surr: 4-Terphenyl-d14	82		100.0		82.0	42	138				
Surr: Nitrobenzene-d5	84		100.0		84.3	47	115				
Surr: Phenol-d5	44		100.0		43.8	16	63				

Sample ID: **MB-27610MS** SampType: **MS** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/14/2006** RunNo: **62179**
Client ID: **ZZZZZZ** Batch ID: **27610** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/14/2006** SeqNo: **920046**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	73	10	100.0	0	73.1	60	120				
1,4-Dichlorobenzene	69	10	100.0	0	68.6	56	103				
2,4-Dinitrotoluene	98	10	100.0	0	98.0	71	136				
2-Chlorophenol	72	10	100.0	0	72.2	59	107				
4-Chloro-3-methylphenol	86	50	100.0	0	86.4	72	126				
4-Nitrophenol	58	50	100.0	0	58.5	30	88				
Acenaphthene	73	10	100.0	0	72.8	72	119				
N-Nitrosodi-n-propylamine	88	10	100.0	0	87.9	65	120				
Pentachlorophenol	98	50	100.0	0	97.9	78	122				
Phenol	45	10	100.0	0	44.8	35	66				
Pyrene	86	10	100.0	0	86.1	73	127				
Surr: 1,2-Dichlorobenzene-d4	56		100.0		55.6	41	103				
Surr: 2,4,6-Tribromophenol	90		100.0		89.8	55	137				
Surr: 2-Chlorophenol-d4	72		100.0		72.4	34	117				
Surr: 2-Fluorobiphenyl	72		100.0		71.7	49	114				
Surr: 2-Fluorophenol	54		100.0		53.6	24	74				
Surr: 4-Terphenyl-d14	78		100.0		77.6	42	138				
Surr: Nitrobenzene-d5	81		100.0		81.1	47	115				
Surr: Phenol-d5	42		100.0		42.4	16	63				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Work Order: 083764
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **MB-27610MSD** SampType: **MSD** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/14/2006** RunNo: **62179**
Client ID: **ZZZZZZ** Batch ID: **27610** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/14/2006** SeqNo: **920047**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	78	10	100.0	0	78.0	60	120	73.11	6.54	30	
1,4-Dichlorobenzene	74	10	100.0	0	74.2	56	103	68.57	7.95	30	
2,4-Dinitrotoluene	110	10	100.0	0	106	71	136	97.95	7.45	30	
2-Chlorophenol	78	10	100.0	0	77.9	59	107	72.17	7.59	30	
4-Chloro-3-methylphenol	95	50	100.0	0	94.7	72	126	86.38	9.15	30	
4-Nitrophenol	66	50	100.0	0	65.7	30	88	58.49	11.6	30	
Acenaphthene	75	10	100.0	0	75.4	72	119	72.79	3.46	30	
N-Nitrosodi-n-propylamine	98	10	100.0	0	98.2	65	120	87.86	11.2	30	
Pentachlorophenol	100	50	100.0	0	102	78	122	97.86	4.20	30	
Phenol	50	10	100.0	0	49.6	35	66	44.78	10.2	30	
Pyrene	89	10	100.0	0	89.2	73	127	86.11	3.47	30	
Surr: 1,2-Dichlorobenzene-d4	63		100.0		63.4	41	103		0	30	
Surr: 2,4,6-Tribromophenol	96		100.0		95.7	55	137		0	30	
Surr: 2-Chlorophenol-d4	79		100.0		79.2	34	117		0	30	
Surr: 2-Fluorobiphenyl	77		100.0		77.4	49	114		0	30	
Surr: 2-Fluorophenol	60		100.0		59.8	24	74		0	30	
Surr: 4-Terphenyl-d14	88		100.0		88.0	42	138		0	30	
Surr: Nitrobenzene-d5	90		100.0		89.6	47	115		0	30	
Surr: Phenol-d5	48		100.0		47.7	16	63		0	30	

Sample ID: **MB-27610** SampType: **MBLK** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/14/2006** RunNo: **62179**
Client ID: **PBW** Batch ID: **27610** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/17/2006** SeqNo: **920993**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	10									
1,2-Dichlorobenzene	ND	10									
1,3-Dichlorobenzene	ND	10									
1,4-Dichlorobenzene	ND	10									
2,4,5-Trichlorophenol	ND	10									
2,4,6-Trichlorophenol	ND	10									
2,4-Dichlorophenol	ND	10									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **MB-27610** SampType: **MBLK** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/14/2006** RunNo: **62179**
Client ID: **PBW** Batch ID: **27610** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/17/2006** SeqNo: **920993**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dimethylphenol	ND	10									
2,4-Dinitrophenol	ND	50									
2,4-Dinitrotoluene	ND	10									
2,6-Dinitrotoluene	ND	10									
2-Chloronaphthalene	ND	10									
2-Chlorophenol	ND	10									
2-Methylnaphthalene	ND	10									
2-Methylphenol	ND	10									
2-Nitroaniline	ND	50									
2-Nitrophenol	ND	10									
3,3´-Dichlorobenzidine	ND	20									
3-Nitroaniline	ND	50									
4,6-Dinitro-2-methylphenol	ND	50									
4-Bromophenyl-phenylether	ND	10									
4-Chloro-3-methylphenol	ND	50									
4-Chloroaniline	ND	20									
4-Chlorophenyl-phenylether	ND	10									
4-Methylphenol	ND	10									
4-Nitroaniline	ND	20									
4-Nitrophenol	ND	50									
Acenaphthene	ND	10									
Acenaphthylene	ND	10									
Anthracene	ND	10									
Benzidine (M)	ND	50									
Benzo(a)anthracene	ND	10									
Benzo(a)pyrene	ND	10									
Benzo(b)fluoranthene	ND	10									
Benzo(g,h,i)perylene	ND	10									
Benzo(k)fluoranthene	ND	10									
Benzoic acid	ND	50									
Benzyl alcohol	ND	20									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
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Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **MB-27610** SampType: **MBLK** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/14/2006** RunNo: **62179**
Client ID: **PBW** Batch ID: **27610** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/17/2006** SeqNo: **920993**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bis(2-chloroethoxy)methane	ND	10									
Bis(2-chloroethyl)ether	ND	10									
Bis(2-chloroisopropyl)ether	ND	10									
Bis(2-ethylhexyl)phthalate	ND	10									
Butylbenzylphthalate	ND	10									
Chrysene	ND	10									
Di-n-butylphthalate	ND	10									
Di-n-octylphthalate	ND	10									
Dibenz(a,h)anthracene	ND	10									
Dibenzofuran	ND	10									
Diethylphthalate	ND	10									
Dimethylphthalate	ND	10									
Fluoranthene	ND	10									
Fluorene	ND	10									
Hexachlorobenzene	ND	10									
Hexachlorobutadiene	ND	20									
Hexachlorocyclopentadiene	ND	10									
Hexachloroethane	ND	10									
Indeno(1,2,3-cd)pyrene	ND	10									
Isophorone	ND	10									
N-Nitrosodi-n-propylamine	ND	10									
N-Nitrosodiphenylamine	ND	10									
Naphthalene	ND	10									
Nitrobenzene	ND	10									
Pentachlorophenol	ND	50									
Phenanthrene	ND	10									
Phenol	ND	10									
Pyrene	ND	10									
Surr: 1,2-Dichlorobenzene-d4	66		100.0		66.2	41	103				
Surr: 2,4,6-Tribromophenol	89		100.0		89.3	55	137				
Surr: 2-Chlorophenol-d4	75		100.0		74.8	34	117				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 083764
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **MB-27610** SampType: **MBLK** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/14/2006** RunNo: **62179**
Client ID: **PBW** Batch ID: **27610** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/17/2006** SeqNo: **920993**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorobiphenyl	81		100.0		80.7	49	114				
Surr: 2-Fluorophenol	54		100.0		54.4	24	74				
Surr: 4-Terphenyl-d14	89		100.0		88.7	42	138				
Surr: Nitrobenzene-d5	84		100.0		84.3	47	115				
Surr: Phenol-d5	42		100.0		42.2	16	63				

Sample ID: **LCS-27610** SampType: **LCS** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/14/2006** RunNo: **62179**
Client ID: **LCSW** Batch ID: **27610** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/17/2006** SeqNo: **920994**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	83	10	100.0	0	83.1	60	120				
1,4-Dichlorobenzene	78	10	100.0	0	77.6	56	103				
2,4-Dinitrotoluene	110	10	100.0	0	110	71	136				
2-Chlorophenol	79	10	100.0	0	78.8	59	107				
4-Chloro-3-methylphenol	96	50	100.0	0	95.6	72	126				
4-Nitrophenol	63	50	100.0	0	63.3	30	88				
Acenaphthene	84	10	100.0	0	84.3	72	119				
N-Nitrosodi-n-propylamine	96	10	100.0	0	96.4	65	120				
Pentachlorophenol	110	50	100.0	0	113	78	122				
Phenol	48	10	100.0	0	47.8	35	66				
Pyrene	91	10	100.0	0	91.5	73	127				
Surr: 1,2-Dichlorobenzene-d4	67		100.0		66.6	41	103				
Surr: 2,4,6-Tribromophenol	100		100.0		104	55	137				
Surr: 2-Chlorophenol-d4	80		100.0		80.4	34	117				
Surr: 2-Fluorobiphenyl	87		100.0		87.0	49	114				
Surr: 2-Fluorophenol	59		100.0		59.1	24	74				
Surr: 4-Terphenyl-d14	97		100.0		96.9	42	138				
Surr: Nitrobenzene-d5	91		100.0		91.2	47	115				
Surr: Phenol-d5	46		100.0		45.7	16	63				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
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CHAIN OF CUSTODY RECORD

Pg ___ of ___

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: ___

Logged By: M Date: 04/12/06

Method of Transport: Client ☐ ATL ☒ CA OverN ☐ FEDEX ☐ Other: ___

Sample Condition Upon Receipt
1. CHILLED Y☑ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: Ninyo & Moore
Attn: Scott Snyder
Address: 5710 Ruffin Rd
City: San Diego State: CA Zip Code: 92123
TEL: (858) 576-1000
FAX: (858) 576-7600

Project Name: I-5 Expansion Project #: 105812001 Sampler: (Printed Name) Matt Fuller (Signature)

Relinquished by: (Signature and Printed Name) Matt Fuller	Date: 4-12-06	Time: 2:45p	Received by: (Signature and Printed Name)	Date: 4-12-06	Time: 2:45p
Relinquished by: (Signature and Printed Name)	Date: 4-12-06	Time: 5:35p	Received by: (Signature and Printed Name)	Date: 04/12/06	Time: 17:40
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Matt Fuller 4-12-06 (Print Name / Date)
Signature

Send Report To: Attn: Scott SNYDER Co: NINYO & MOORE Address: 5710 RUFFIN City: SD State: CA Zip: 92123

Bill To: Attn: SAME AS Co: ← Address: previous City ___ State ___ Zip ___

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ___ OTHER ___

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C SVOCs	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	TOTAL LEAD	8015 TPH G/D	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Type	PRESERVATION	REMARKS
	082764-001	NM03-B4-1.0	4-12-06	0940										X		X				E	1	J G	C	
	-002	NM03-B4-TRIP		0920			X										X				2	V G	H	
	-003	NM03-B4-5.0		0935			X	X							X	X					1	T M	C	
	-004	NM03-B4-11.0		0945			X	X							X	X					1	T M	C	
	-005	NM03-B4-15.5		1003			X	X							X	X					1	T M	C	
	-006	NM03-B4-21		1010												X					1	T M	C	HOLD
	-007	NM03-B4-25		1030												X					1	T M	C	HOLD
	-008	NM03-B4-GW		1125			X	X							X			X			8	V L G	H C	
	-009	NM03-B4-Equip		1135			X	X							X		X				8	V L G	H C	

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

April 17, 2006

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 083676

RE: I-5 Expansion, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on April 07, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: *17-Apr-06*

CLIENT: Ninyo & Moore
Project: I-5 Expansion, 105812001
Lab Order: 083676
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
083676-001A	NM03-B2-1.5	Soil	4/7/2006	4/7/2006	4/17/2006
083676-002A	NM03-B2-Trip	Water	4/7/2006	4/7/2006	4/17/2006
083676-003A	NM03-B2-6.5	Soil	4/7/2006	4/7/2006	4/17/2006
083676-004A	NM03-B2-11.0	Soil	4/7/2006	4/7/2006	4/17/2006
083676-005A	NM03-B2-15.0	Soil	4/7/2006	4/7/2006	4/17/2006
083676-006A	NM03-B2-Equip	Water	4/7/2006	4/7/2006	4/17/2006
083676-006B	NM03-B2-Equip	Water	4/7/2006	4/7/2006	4/17/2006
083676-006C	NM03-B2-Equip	Water	4/7/2006	4/7/2006	4/17/2006
083676-006D	NM03-B2-Equip	Water	4/7/2006	4/7/2006	4/17/2006

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *17-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B2-1.5
Lab Order:	083676	**Collection Date:**	4/7/2006 8:50:00 AM
Project:	I-5 Expansion, 105812001		
Lab ID:	083676-001	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
LEAD BY ICP						
	EPA 3050M			**EPA 6010B**		
RunID: ICP5_060413B	QC Batch: 27548				PrepDate: 4/13/2006	Analyst: **RQ**
Lead	25	1.0		mg/Kg	1	4/13/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *17-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083676
Project: I-5 Expansion, 105812001
Lab ID: 083676-002

Client Sample ID: NM03-B2-Trip
Collection Date: 4/7/2006 9:00:00 AM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060410A	QC Batch: Q06VW078			PrepDate:		Analyst: **HH**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	4/10/2006
1,1,1-Trichloroethane	ND	5.0		µg/L	1	4/10/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	4/10/2006
1,1,2-Trichloroethane	ND	5.0		µg/L	1	4/10/2006
1,1-Dichloroethane	ND	5.0		µg/L	1	4/10/2006
1,1-Dichloroethene	ND	5.0		µg/L	1	4/10/2006
1,1-Dichloropropene	ND	5.0		µg/L	1	4/10/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/L	1	4/10/2006
1,2,3-Trichloropropane	ND	5.0		µg/L	1	4/10/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	4/10/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/L	1	4/10/2006
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	4/10/2006
1,2-Dibromoethane	ND	5.0		µg/L	1	4/10/2006
1,2-Dichlorobenzene	ND	5.0		µg/L	1	4/10/2006
1,2-Dichloroethane	ND	5.0		µg/L	1	4/10/2006
1,2-Dichloropropane	ND	5.0		µg/L	1	4/10/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	4/10/2006
1,3-Dichlorobenzene	ND	5.0		µg/L	1	4/10/2006
1,3-Dichloropropane	ND	5.0		µg/L	1	4/10/2006
1,4-Dichlorobenzene	ND	5.0		µg/L	1	4/10/2006
2,2-Dichloropropane	ND	5.0		µg/L	1	4/10/2006
2-Chlorotoluene	ND	5.0		µg/L	1	4/10/2006
4-Chlorotoluene	ND	5.0		µg/L	1	4/10/2006
4-Isopropyltoluene	ND	5.0		µg/L	1	4/10/2006
Benzene	ND	5.0		µg/L	1	4/10/2006
Bromobenzene	ND	5.0		µg/L	1	4/10/2006
Bromodichloromethane	ND	5.0		µg/L	1	4/10/2006
Bromoform	ND	5.0		µg/L	1	4/10/2006
Bromomethane	ND	5.0		µg/L	1	4/10/2006
Carbon tetrachloride	ND	5.0		µg/L	1	4/10/2006
Chlorobenzene	ND	5.0		µg/L	1	4/10/2006
Chloroethane	ND	5.0		µg/L	1	4/10/2006
Chloroform	ND	5.0		µg/L	1	4/10/2006
Chloromethane	ND	5.0		µg/L	1	4/10/2006
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	4/10/2006
Dibromochloromethane	ND	5.0		µg/L	1	4/10/2006
Dibromomethane	ND	5.0		µg/L	1	4/10/2006
Dichlorodifluoromethane	ND	5.0		µg/L	1	4/10/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *17-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B2-Trip
Lab Order:	083676	**Collection Date:**	4/7/2006 9:00:00 AM
Project:	I-5 Expansion, 105812001		
Lab ID:	083676-002	**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060410A	QC Batch:	Q06VW078			PrepDate:	Analyst: **HH**
Ethylbenzene	ND	5.0		µg/L	1	4/10/2006
Hexachlorobutadiene	ND	5.0		µg/L	1	4/10/2006
Isopropylbenzene	ND	5.0		µg/L	1	4/10/2006
m,p-Xylene	ND	10		µg/L	1	4/10/2006
Methylene chloride	ND	5.0		µg/L	1	4/10/2006
n-Butylbenzene	ND	5.0		µg/L	1	4/10/2006
n-Propylbenzene	ND	5.0		µg/L	1	4/10/2006
Naphthalene	ND	5.0		µg/L	1	4/10/2006
o-Xylene	ND	5.0		µg/L	1	4/10/2006
sec-Butylbenzene	ND	5.0		µg/L	1	4/10/2006
Styrene	ND	5.0		µg/L	1	4/10/2006
tert-Butylbenzene	ND	5.0		µg/L	1	4/10/2006
Tetrachloroethene	ND	5.0		µg/L	1	4/10/2006
Toluene	ND	5.0		µg/L	1	4/10/2006
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	4/10/2006
Trichloroethene	ND	5.0		µg/L	1	4/10/2006
Trichlorofluoromethane	ND	5.0		µg/L	1	4/10/2006
Vinyl chloride	ND	5.0		µg/L	1	4/10/2006
Surr: 1,2-Dichloroethane-d4	105	70-126		%REC	1	4/10/2006
Surr: 4-Bromofluorobenzene	87.7	63-134		%REC	1	4/10/2006
Surr: Dibromofluoromethane	108	73-124		%REC	1	4/10/2006
Surr: Toluene-d8	95.2	84-123		%REC	1	4/10/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: *17-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B2-6.5
Lab Order:	083676	**Collection Date:**	4/7/2006 9:07:00 AM
Project:	I-5 Expansion, 105812001		
Lab ID:	083676-003	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
LUFT				**EPA 8015B(M)**		
RunID: GC7_BACK_060411A QC Batch: 27557				PrepDate: 4/11/2006		Analyst: **CBR**
DRO	ND	10		mg/Kg	1	4/11/2006
Surr: p-Terphenyl	83.7	56-131		%REC	1	4/11/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC1_060410A QC Batch: D06VS023				PrepDate:		Analyst: **TT**
GRO	ND	1.0		mg/Kg	1	4/10/2006
Surr: Bromofluorobenzene (FID)	70.2	42-138		%REC	1	4/10/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS1_060411A QC Batch: P06VS063				PrepDate:		Analyst: **RK**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1	4/11/2006
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	4/11/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	4/11/2006
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	4/11/2006
1,1-Dichloroethane	ND	5.0		µg/Kg	1	4/11/2006
1,1-Dichloroethene	ND	5.0		µg/Kg	1	4/11/2006
1,1-Dichloropropene	ND	5.0		µg/Kg	1	4/11/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1	4/11/2006
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1	4/11/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1	4/11/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1	4/11/2006
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1	4/11/2006
1,2-Dibromoethane	ND	5.0		µg/Kg	1	4/11/2006
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1	4/11/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	4/11/2006
1,2-Dichloropropane	ND	5.0		µg/Kg	1	4/11/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1	4/11/2006
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1	4/11/2006
1,3-Dichloropropane	ND	5.0		µg/Kg	1	4/11/2006
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1	4/11/2006
2,2-Dichloropropane	ND	5.0		µg/Kg	1	4/11/2006
2-Chlorotoluene	ND	5.0		µg/Kg	1	4/11/2006
4-Chlorotoluene	ND	5.0		µg/Kg	1	4/11/2006
4-Isopropyltoluene	ND	5.0		µg/Kg	1	4/11/2006
Benzene	ND	5.0		µg/Kg	1	4/11/2006
Bromobenzene	ND	5.0		µg/Kg	1	4/11/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *17-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B2-6.5
Lab Order:	083676	**Collection Date:**	4/7/2006 9:07:00 AM
Project:	I-5 Expansion, 105812001		
Lab ID:	083676-003	**Matrix:**	SOIL

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS1_060411A QC Batch: P06VS063 PrepDate: Analyst: **RK**

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
Bromodichloromethane	ND	5.0		µg/Kg	1	4/11/2006
Bromoform	ND	5.0		µg/Kg	1	4/11/2006
Bromomethane	ND	5.0		µg/Kg	1	4/11/2006
Carbon tetrachloride	ND	5.0		µg/Kg	1	4/11/2006
Chlorobenzene	ND	5.0		µg/Kg	1	4/11/2006
Chloroethane	ND	5.0		µg/Kg	1	4/11/2006
Chloroform	ND	5.0		µg/Kg	1	4/11/2006
Chloromethane	ND	5.0		µg/Kg	1	4/11/2006
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	4/11/2006
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	4/11/2006
Dibromochloromethane	ND	5.0		µg/Kg	1	4/11/2006
Dibromomethane	ND	5.0		µg/Kg	1	4/11/2006
Dichlorodifluoromethane	ND	5.0		µg/Kg	1	4/11/2006
Ethylbenzene	ND	5.0		µg/Kg	1	4/11/2006
Hexachlorobutadiene	ND	5.0		µg/Kg	1	4/11/2006
Isopropylbenzene	ND	5.0		µg/Kg	1	4/11/2006
m,p-Xylene	ND	10		µg/Kg	1	4/11/2006
Methylene chloride	ND	5.0		µg/Kg	1	4/11/2006
n-Butylbenzene	ND	5.0		µg/Kg	1	4/11/2006
n-Propylbenzene	ND	5.0		µg/Kg	1	4/11/2006
Naphthalene	ND	5.0		µg/Kg	1	4/11/2006
o-Xylene	ND	5.0		µg/Kg	1	4/11/2006
sec-Butylbenzene	ND	5.0		µg/Kg	1	4/11/2006
Styrene	ND	5.0		µg/Kg	1	4/11/2006
tert-Butylbenzene	ND	5.0		µg/Kg	1	4/11/2006
Tetrachloroethene	ND	5.0		µg/Kg	1	4/11/2006
Toluene	ND	5.0		µg/Kg	1	4/11/2006
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	4/11/2006
Trichloroethene	ND	5.0		µg/Kg	1	4/11/2006
Trichlorofluoromethane	ND	5.0		µg/Kg	1	4/11/2006
Vinyl chloride	ND	5.0		µg/Kg	1	4/11/2006
Surr: 1,2-Dichloroethane-d4	109	58-138		%REC	1	4/11/2006
Surr: 4-Bromofluorobenzene	102	74-130		%REC	1	4/11/2006
Surr: Dibromofluoromethane	106	58-135		%REC	1	4/11/2006
Surr: Toluene-d8	100	84-130		%REC	1	4/11/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *17-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B2-6.5
Lab Order:	083676	**Collection Date:**	4/7/2006 9:07:00 AM
Project:	I-5 Expansion, 105812001		
Lab ID:	083676-003	**Matrix:**	SOIL

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B **EPA 8270C**

RunID: MS6_060411B QC Batch: 27549 PrepDate: 4/11/2006 Analyst: **EES**

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
1,2,4-Trichlorobenzene	ND	330		µg/Kg	1	4/12/2006
1,2-Dichlorobenzene	ND	330		µg/Kg	1	4/12/2006
1,3-Dichlorobenzene	ND	330		µg/Kg	1	4/12/2006
1,4-Dichlorobenzene	ND	330		µg/Kg	1	4/12/2006
2,4,5-Trichlorophenol	ND	330		µg/Kg	1	4/12/2006
2,4,6-Trichlorophenol	ND	330		µg/Kg	1	4/12/2006
2,4-Dichlorophenol	ND	1600		µg/Kg	1	4/12/2006
2,4-Dimethylphenol	ND	330		µg/Kg	1	4/12/2006
2,4-Dinitrophenol	ND	1600		µg/Kg	1	4/12/2006
2,4-Dinitrotoluene	ND	330		µg/Kg	1	4/12/2006
2,6-Dinitrotoluene	ND	330		µg/Kg	1	4/12/2006
2-Chloronaphthalene	ND	330		µg/Kg	1	4/12/2006
2-Chlorophenol	ND	330		µg/Kg	1	4/12/2006
2-Methylnaphthalene	ND	330		µg/Kg	1	4/12/2006
2-Methylphenol	ND	330		µg/Kg	1	4/12/2006
2-Nitroaniline	ND	1600		µg/Kg	1	4/12/2006
2-Nitrophenol	ND	330		µg/Kg	1	4/12/2006
3,3´-Dichlorobenzidine	ND	660		µg/Kg	1	4/12/2006
3-Nitroaniline	ND	1600		µg/Kg	1	4/12/2006
4,6-Dinitro-2-methylphenol	ND	1600		µg/Kg	1	4/12/2006
4-Bromophenyl-phenylether	ND	330		µg/Kg	1	4/12/2006
4-Chloro-3-methylphenol	ND	660		µg/Kg	1	4/12/2006
4-Chloroaniline	ND	660		µg/Kg	1	4/12/2006
4-Chlorophenyl-phenylether	ND	330		µg/Kg	1	4/12/2006
4-Methylphenol	ND	330		µg/Kg	1	4/12/2006
4-Nitroaniline	ND	1600		µg/Kg	1	4/12/2006
4-Nitrophenol	ND	1600		µg/Kg	1	4/12/2006
Acenaphthene	ND	330		µg/Kg	1	4/12/2006
Acenaphthylene	ND	330		µg/Kg	1	4/12/2006
Anthracene	ND	330		µg/Kg	1	4/12/2006
Benzidine (M)	ND	1600		µg/Kg	1	4/12/2006
Benzo(a)anthracene	ND	330		µg/Kg	1	4/12/2006
Benzo(a)pyrene	ND	330		µg/Kg	1	4/12/2006
Benzo(b)fluoranthene	ND	330		µg/Kg	1	4/12/2006
Benzo(g,h,i)perylene	ND	330		µg/Kg	1	4/12/2006
Benzo(k)fluoranthene	ND	330		µg/Kg	1	4/12/2006
Benzoic acid	ND	1600		µg/Kg	1	4/12/2006
Benzyl alcohol	ND	660		µg/Kg	1	4/12/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *17-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083676
Project: I-5 Expansion, 105812001
Lab ID: 083676-003

Client Sample ID: NM03-B2-6.5
Collection Date: 4/7/2006 9:07:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS6_060411B	QC Batch: 27549				PrepDate: 4/11/2006	Analyst: **EES**
Bis(2-chloroethoxy)methane	ND	330		µg/Kg	1	4/12/2006
Bis(2-chloroethyl)ether	ND	330		µg/Kg	1	4/12/2006
Bis(2-chloroisopropyl)ether	ND	330		µg/Kg	1	4/12/2006
Bis(2-ethylhexyl)phthalate	ND	330		µg/Kg	1	4/12/2006
Butylbenzylphthalate	ND	330		µg/Kg	1	4/12/2006
Chrysene	ND	330		µg/Kg	1	4/12/2006
Di-n-butylphthalate	ND	330		µg/Kg	1	4/12/2006
Di-n-octylphthalate	ND	330		µg/Kg	1	4/12/2006
Dibenz(a,h)anthracene	ND	330		µg/Kg	1	4/12/2006
Dibenzofuran	ND	330		µg/Kg	1	4/12/2006
Diethylphthalate	ND	330		µg/Kg	1	4/12/2006
Dimethylphthalate	ND	330		µg/Kg	1	4/12/2006
Fluoranthene	ND	330		µg/Kg	1	4/12/2006
Fluorene	ND	330		µg/Kg	1	4/12/2006
Hexachlorobenzene	ND	330		µg/Kg	1	4/12/2006
Hexachlorobutadiene	ND	660		µg/Kg	1	4/12/2006
Hexachlorocyclopentadiene	ND	660		µg/Kg	1	4/12/2006
Hexachloroethane	ND	330		µg/Kg	1	4/12/2006
Indeno(1,2,3-cd)pyrene	ND	330		µg/Kg	1	4/12/2006
Isophorone	ND	330		µg/Kg	1	4/12/2006
N-Nitrosodi-n-propylamine	ND	330		µg/Kg	1	4/12/2006
N-Nitrosodiphenylamine	ND	330		µg/Kg	1	4/12/2006
Naphthalene	ND	330		µg/Kg	1	4/12/2006
Nitrobenzene	ND	330		µg/Kg	1	4/12/2006
Pentachlorophenol	ND	1600		µg/Kg	1	4/12/2006
Phenanthrene	ND	330		µg/Kg	1	4/12/2006
Phenol	ND	330		µg/Kg	1	4/12/2006
Pyrene	ND	330		µg/Kg	1	4/12/2006
Surr: 1,2-Dichlorobenzene-d4	75.6	46-105		%REC	1	4/12/2006
Surr: 2,4,6-Tribromophenol	80.9	46-146		%REC	1	4/12/2006
Surr: 2-Chlorophenol-d4	73.6	48-117		%REC	1	4/12/2006
Surr: 2-Fluorobiphenyl	81.1	54-112		%REC	1	4/12/2006
Surr: 2-Fluorophenol	77.1	45-119		%REC	1	4/12/2006
Surr: 4-Terphenyl-d14	105	46-135		%REC	1	4/12/2006
Surr: Nitrobenzene-d5	82.0	40-116		%REC	1	4/12/2006
Surr: Phenol-d5	73.8	37-127		%REC	1	4/12/2006

Qualifiers:

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S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *17-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B2-11.0
Lab Order:	083676	**Collection Date:**	4/7/2006 9:20:00 AM
Project:	I-5 Expansion, 105812001		
Lab ID:	083676-004	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
LUFT				**EPA 8015B(M)**		
RunID: GC7_BACK_060411A QC Batch: 27557				PrepDate: 4/11/2006		Analyst: **CBR**
DRO	ND	10		mg/Kg	1	4/11/2006
Surr: p-Terphenyl	83.3	56-131		%REC	1	4/11/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC1_060410A QC Batch: D06VS023				PrepDate:		Analyst: **TT**
GRO	ND	1.0		mg/Kg	1	4/10/2006
Surr: Bromofluorobenzene (FID)	76.1	42-138		%REC	1	4/10/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS1_060411A QC Batch: P06VS063				PrepDate:		Analyst: **RK**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1	4/11/2006
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	4/11/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	4/11/2006
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	4/11/2006
1,1-Dichloroethane	ND	5.0		µg/Kg	1	4/11/2006
1,1-Dichloroethene	ND	5.0		µg/Kg	1	4/11/2006
1,1-Dichloropropene	ND	5.0		µg/Kg	1	4/11/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1	4/11/2006
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1	4/11/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1	4/11/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1	4/11/2006
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1	4/11/2006
1,2-Dibromoethane	ND	5.0		µg/Kg	1	4/11/2006
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1	4/11/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	4/11/2006
1,2-Dichloropropane	ND	5.0		µg/Kg	1	4/11/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1	4/11/2006
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1	4/11/2006
1,3-Dichloropropane	ND	5.0		µg/Kg	1	4/11/2006
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1	4/11/2006
2,2-Dichloropropane	ND	5.0		µg/Kg	1	4/11/2006
2-Chlorotoluene	ND	5.0		µg/Kg	1	4/11/2006
4-Chlorotoluene	ND	5.0		µg/Kg	1	4/11/2006
4-Isopropyltoluene	ND	5.0		µg/Kg	1	4/11/2006
Benzene	ND	5.0		µg/Kg	1	4/11/2006
Bromobenzene	ND	5.0		µg/Kg	1	4/11/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *17-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083676
Project: I-5 Expansion, 105812001
Lab ID: 083676-004

Client Sample ID: NM03-B2-11.0
Collection Date: 4/7/2006 9:20:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS1_060411A	QC Batch: P06VS063			PrepDate:		Analyst: **RK**
Bromodichloromethane	ND	5.0		µg/Kg	1	4/11/2006
Bromoform	ND	5.0		µg/Kg	1	4/11/2006
Bromomethane	ND	5.0		µg/Kg	1	4/11/2006
Carbon tetrachloride	ND	5.0		µg/Kg	1	4/11/2006
Chlorobenzene	ND	5.0		µg/Kg	1	4/11/2006
Chloroethane	ND	5.0		µg/Kg	1	4/11/2006
Chloroform	ND	5.0		µg/Kg	1	4/11/2006
Chloromethane	ND	5.0		µg/Kg	1	4/11/2006
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	4/11/2006
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	4/11/2006
Dibromochloromethane	ND	5.0		µg/Kg	1	4/11/2006
Dibromomethane	ND	5.0		µg/Kg	1	4/11/2006
Dichlorodifluoromethane	ND	5.0		µg/Kg	1	4/11/2006
Ethylbenzene	ND	5.0		µg/Kg	1	4/11/2006
Hexachlorobutadiene	ND	5.0		µg/Kg	1	4/11/2006
Isopropylbenzene	ND	5.0		µg/Kg	1	4/11/2006
m,p-Xylene	ND	10		µg/Kg	1	4/11/2006
Methylene chloride	ND	5.0		µg/Kg	1	4/11/2006
n-Butylbenzene	ND	5.0		µg/Kg	1	4/11/2006
n-Propylbenzene	ND	5.0		µg/Kg	1	4/11/2006
Naphthalene	ND	5.0		µg/Kg	1	4/11/2006
o-Xylene	ND	5.0		µg/Kg	1	4/11/2006
sec-Butylbenzene	ND	5.0		µg/Kg	1	4/11/2006
Styrene	ND	5.0		µg/Kg	1	4/11/2006
tert-Butylbenzene	ND	5.0		µg/Kg	1	4/11/2006
Tetrachloroethene	ND	5.0		µg/Kg	1	4/11/2006
Toluene	ND	5.0		µg/Kg	1	4/11/2006
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	4/11/2006
Trichloroethene	ND	5.0		µg/Kg	1	4/11/2006
Trichlorofluoromethane	ND	5.0		µg/Kg	1	4/11/2006
Vinyl chloride	ND	5.0		µg/Kg	1	4/11/2006
Surr: 1,2-Dichloroethane-d4	110	58-138		%REC	1	4/11/2006
Surr: 4-Bromofluorobenzene	99.8	74-130		%REC	1	4/11/2006
Surr: Dibromofluoromethane	107	58-135		%REC	1	4/11/2006
Surr: Toluene-d8	101	84-130		%REC	1	4/11/2006

Qualifiers:

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H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
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Advanced Technology Laboratories

Date: *17-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B2-11.0
Lab Order:	083676	**Collection Date:**	4/7/2006 9:20:00 AM
Project:	I-5 Expansion, 105812001		
Lab ID:	083676-004	**Matrix:**	SOIL

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B **EPA 8270C**

RunID: MS6_060411B QC Batch: 27549 PrepDate: 4/11/2006 Analyst: **EES**

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
1,2,4-Trichlorobenzene	ND	330		µg/Kg	1	4/12/2006
1,2-Dichlorobenzene	ND	330		µg/Kg	1	4/12/2006
1,3-Dichlorobenzene	ND	330		µg/Kg	1	4/12/2006
1,4-Dichlorobenzene	ND	330		µg/Kg	1	4/12/2006
2,4,5-Trichlorophenol	ND	330		µg/Kg	1	4/12/2006
2,4,6-Trichlorophenol	ND	330		µg/Kg	1	4/12/2006
2,4-Dichlorophenol	ND	1600		µg/Kg	1	4/12/2006
2,4-Dimethylphenol	ND	330		µg/Kg	1	4/12/2006
2,4-Dinitrophenol	ND	1600		µg/Kg	1	4/12/2006
2,4-Dinitrotoluene	ND	330		µg/Kg	1	4/12/2006
2,6-Dinitrotoluene	ND	330		µg/Kg	1	4/12/2006
2-Chloronaphthalene	ND	330		µg/Kg	1	4/12/2006
2-Chlorophenol	ND	330		µg/Kg	1	4/12/2006
2-Methylnaphthalene	ND	330		µg/Kg	1	4/12/2006
2-Methylphenol	ND	330		µg/Kg	1	4/12/2006
2-Nitroaniline	ND	1600		µg/Kg	1	4/12/2006
2-Nitrophenol	ND	330		µg/Kg	1	4/12/2006
3,3´-Dichlorobenzidine	ND	660		µg/Kg	1	4/12/2006
3-Nitroaniline	ND	1600		µg/Kg	1	4/12/2006
4,6-Dinitro-2-methylphenol	ND	1600		µg/Kg	1	4/12/2006
4-Bromophenyl-phenylether	ND	330		µg/Kg	1	4/12/2006
4-Chloro-3-methylphenol	ND	660		µg/Kg	1	4/12/2006
4-Chloroaniline	ND	660		µg/Kg	1	4/12/2006
4-Chlorophenyl-phenylether	ND	330		µg/Kg	1	4/12/2006
4-Methylphenol	ND	330		µg/Kg	1	4/12/2006
4-Nitroaniline	ND	1600		µg/Kg	1	4/12/2006
4-Nitrophenol	ND	1600		µg/Kg	1	4/12/2006
Acenaphthene	ND	330		µg/Kg	1	4/12/2006
Acenaphthylene	ND	330		µg/Kg	1	4/12/2006
Anthracene	ND	330		µg/Kg	1	4/12/2006
Benzidine (M)	ND	1600		µg/Kg	1	4/12/2006
Benzo(a)anthracene	ND	330		µg/Kg	1	4/12/2006
Benzo(a)pyrene	ND	330		µg/Kg	1	4/12/2006
Benzo(b)fluoranthene	ND	330		µg/Kg	1	4/12/2006
Benzo(g,h,i)perylene	ND	330		µg/Kg	1	4/12/2006
Benzo(k)fluoranthene	ND	330		µg/Kg	1	4/12/2006
Benzoic acid	ND	1600		µg/Kg	1	4/12/2006
Benzyl alcohol	ND	660		µg/Kg	1	4/12/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
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DO	Surrogate Diluted Out		

Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: *17-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083676
Project: I-5 Expansion, 105812001
Lab ID: 083676-004

Client Sample ID: NM03-B2-11.0
Collection Date: 4/7/2006 9:20:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS6_060411B	QC Batch: 27549				PrepDate: 4/11/2006	Analyst: **EES**
Bis(2-chloroethoxy)methane	ND	330		µg/Kg	1	4/12/2006
Bis(2-chloroethyl)ether	ND	330		µg/Kg	1	4/12/2006
Bis(2-chloroisopropyl)ether	ND	330		µg/Kg	1	4/12/2006
Bis(2-ethylhexyl)phthalate	ND	330		µg/Kg	1	4/12/2006
Butylbenzylphthalate	ND	330		µg/Kg	1	4/12/2006
Chrysene	ND	330		µg/Kg	1	4/12/2006
Di-n-butylphthalate	ND	330		µg/Kg	1	4/12/2006
Di-n-octylphthalate	ND	330		µg/Kg	1	4/12/2006
Dibenz(a,h)anthracene	ND	330		µg/Kg	1	4/12/2006
Dibenzofuran	ND	330		µg/Kg	1	4/12/2006
Diethylphthalate	ND	330		µg/Kg	1	4/12/2006
Dimethylphthalate	ND	330		µg/Kg	1	4/12/2006
Fluoranthene	ND	330		µg/Kg	1	4/12/2006
Fluorene	ND	330		µg/Kg	1	4/12/2006
Hexachlorobenzene	ND	330		µg/Kg	1	4/12/2006
Hexachlorobutadiene	ND	660		µg/Kg	1	4/12/2006
Hexachlorocyclopentadiene	ND	660		µg/Kg	1	4/12/2006
Hexachloroethane	ND	330		µg/Kg	1	4/12/2006
Indeno(1,2,3-cd)pyrene	ND	330		µg/Kg	1	4/12/2006
Isophorone	ND	330		µg/Kg	1	4/12/2006
N-Nitrosodi-n-propylamine	ND	330		µg/Kg	1	4/12/2006
N-Nitrosodiphenylamine	ND	330		µg/Kg	1	4/12/2006
Naphthalene	ND	330		µg/Kg	1	4/12/2006
Nitrobenzene	ND	330		µg/Kg	1	4/12/2006
Pentachlorophenol	ND	1600		µg/Kg	1	4/12/2006
Phenanthrene	ND	330		µg/Kg	1	4/12/2006
Phenol	ND	330		µg/Kg	1	4/12/2006
Pyrene	ND	330		µg/Kg	1	4/12/2006
Surr: 1,2-Dichlorobenzene-d4	76.7	46-105		%REC	1	4/12/2006
Surr: 2,4,6-Tribromophenol	85.6	46-146		%REC	1	4/12/2006
Surr: 2-Chlorophenol-d4	76.8	48-117		%REC	1	4/12/2006
Surr: 2-Fluorobiphenyl	83.4	54-112		%REC	1	4/12/2006
Surr: 2-Fluorophenol	77.5	45-119		%REC	1	4/12/2006
Surr: 4-Terphenyl-d14	96.5	46-135		%REC	1	4/12/2006
Surr: Nitrobenzene-d5	81.9	40-116		%REC	1	4/12/2006
Surr: Phenol-d5	76.9	37-127		%REC	1	4/12/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *17-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B2-15.0
Lab Order:	083676	**Collection Date:**	4/7/2006 9:38:00 AM
Project:	I-5 Expansion, 105812001		
Lab ID:	083676-005	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
LUFT				**EPA 8015B(M)**		
RunID: GC7_BACK_060411A	QC Batch: 27557			PrepDate: 4/11/2006		Analyst: **CBR**
DRO	ND	10		mg/Kg	1	4/11/2006
Surr: p-Terphenyl	82.9	56-131		%REC	1	4/11/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC1_060410A	QC Batch: D06VS023			PrepDate:		Analyst: **TT**
GRO	ND	1.0		mg/Kg	1	4/10/2006
Surr: Bromofluorobenzene (FID)	75.4	42-138		%REC	1	4/10/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS1_060411A	QC Batch: P06VS063			PrepDate:		Analyst: **RK**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1	4/11/2006
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	4/11/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	4/11/2006
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	4/11/2006
1,1-Dichloroethane	ND	5.0		µg/Kg	1	4/11/2006
1,1-Dichloroethene	ND	5.0		µg/Kg	1	4/11/2006
1,1-Dichloropropene	ND	5.0		µg/Kg	1	4/11/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1	4/11/2006
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1	4/11/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1	4/11/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1	4/11/2006
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1	4/11/2006
1,2-Dibromoethane	ND	5.0		µg/Kg	1	4/11/2006
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1	4/11/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	4/11/2006
1,2-Dichloropropane	ND	5.0		µg/Kg	1	4/11/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1	4/11/2006
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1	4/11/2006
1,3-Dichloropropane	ND	5.0		µg/Kg	1	4/11/2006
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1	4/11/2006
2,2-Dichloropropane	ND	5.0		µg/Kg	1	4/11/2006
2-Chlorotoluene	ND	5.0		µg/Kg	1	4/11/2006
4-Chlorotoluene	ND	5.0		µg/Kg	1	4/11/2006
4-Isopropyltoluene	ND	5.0		µg/Kg	1	4/11/2006
Benzene	ND	5.0		µg/Kg	1	4/11/2006
Bromobenzene	ND	5.0		µg/Kg	1	4/11/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *17-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083676
Project: I-5 Expansion, 105812001
Lab ID: 083676-005

Client Sample ID: NM03-B2-15.0
Collection Date: 4/7/2006 9:38:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS1_060411A	QC Batch: P06VS063			PrepDate:		Analyst: **RK**
Bromodichloromethane	ND	5.0		µg/Kg	1	4/11/2006
Bromoform	ND	5.0		µg/Kg	1	4/11/2006
Bromomethane	ND	5.0		µg/Kg	1	4/11/2006
Carbon tetrachloride	ND	5.0		µg/Kg	1	4/11/2006
Chlorobenzene	ND	5.0		µg/Kg	1	4/11/2006
Chloroethane	ND	5.0		µg/Kg	1	4/11/2006
Chloroform	ND	5.0		µg/Kg	1	4/11/2006
Chloromethane	ND	5.0		µg/Kg	1	4/11/2006
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	4/11/2006
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	4/11/2006
Dibromochloromethane	ND	5.0		µg/Kg	1	4/11/2006
Dibromomethane	ND	5.0		µg/Kg	1	4/11/2006
Dichlorodifluoromethane	ND	5.0		µg/Kg	1	4/11/2006
Ethylbenzene	ND	5.0		µg/Kg	1	4/11/2006
Hexachlorobutadiene	ND	5.0		µg/Kg	1	4/11/2006
Isopropylbenzene	ND	5.0		µg/Kg	1	4/11/2006
m,p-Xylene	ND	10		µg/Kg	1	4/11/2006
Methylene chloride	ND	5.0		µg/Kg	1	4/11/2006
n-Butylbenzene	ND	5.0		µg/Kg	1	4/11/2006
n-Propylbenzene	ND	5.0		µg/Kg	1	4/11/2006
Naphthalene	ND	5.0		µg/Kg	1	4/11/2006
o-Xylene	ND	5.0		µg/Kg	1	4/11/2006
sec-Butylbenzene	ND	5.0		µg/Kg	1	4/11/2006
Styrene	ND	5.0		µg/Kg	1	4/11/2006
tert-Butylbenzene	ND	5.0		µg/Kg	1	4/11/2006
Tetrachloroethene	ND	5.0		µg/Kg	1	4/11/2006
Toluene	ND	5.0		µg/Kg	1	4/11/2006
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	4/11/2006
Trichloroethene	ND	5.0		µg/Kg	1	4/11/2006
Trichlorofluoromethane	ND	5.0		µg/Kg	1	4/11/2006
Vinyl chloride	ND	5.0		µg/Kg	1	4/11/2006
Surr: 1,2-Dichloroethane-d4	109	58-138		%REC	1	4/11/2006
Surr: 4-Bromofluorobenzene	99.9	74-130		%REC	1	4/11/2006
Surr: Dibromofluoromethane	108	58-135		%REC	1	4/11/2006
Surr: Toluene-d8	99.4	84-130		%REC	1	4/11/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *17-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B2-15.0
Lab Order:	083676	**Collection Date:**	4/7/2006 9:38:00 AM
Project:	I-5 Expansion, 105812001		
Lab ID:	083676-005	**Matrix:**	SOIL

SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 3550B **EPA 8270C**

RunID: MS6_060411B QC Batch: 27549 PrepDate: 4/11/2006 Analyst: **EES**

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
1,2,4-Trichlorobenzene	ND	330		µg/Kg	1	4/12/2006
1,2-Dichlorobenzene	ND	330		µg/Kg	1	4/12/2006
1,3-Dichlorobenzene	ND	330		µg/Kg	1	4/12/2006
1,4-Dichlorobenzene	ND	330		µg/Kg	1	4/12/2006
2,4,5-Trichlorophenol	ND	330		µg/Kg	1	4/12/2006
2,4,6-Trichlorophenol	ND	330		µg/Kg	1	4/12/2006
2,4-Dichlorophenol	ND	1600		µg/Kg	1	4/12/2006
2,4-Dimethylphenol	ND	330		µg/Kg	1	4/12/2006
2,4-Dinitrophenol	ND	1600		µg/Kg	1	4/12/2006
2,4-Dinitrotoluene	ND	330		µg/Kg	1	4/12/2006
2,6-Dinitrotoluene	ND	330		µg/Kg	1	4/12/2006
2-Chloronaphthalene	ND	330		µg/Kg	1	4/12/2006
2-Chlorophenol	ND	330		µg/Kg	1	4/12/2006
2-Methylnaphthalene	ND	330		µg/Kg	1	4/12/2006
2-Methylphenol	ND	330		µg/Kg	1	4/12/2006
2-Nitroaniline	ND	1600		µg/Kg	1	4/12/2006
2-Nitrophenol	ND	330		µg/Kg	1	4/12/2006
3,3´-Dichlorobenzidine	ND	660		µg/Kg	1	4/12/2006
3-Nitroaniline	ND	1600		µg/Kg	1	4/12/2006
4,6-Dinitro-2-methylphenol	ND	1600		µg/Kg	1	4/12/2006
4-Bromophenyl-phenylether	ND	330		µg/Kg	1	4/12/2006
4-Chloro-3-methylphenol	ND	660		µg/Kg	1	4/12/2006
4-Chloroaniline	ND	660		µg/Kg	1	4/12/2006
4-Chlorophenyl-phenylether	ND	330		µg/Kg	1	4/12/2006
4-Methylphenol	ND	330		µg/Kg	1	4/12/2006
4-Nitroaniline	ND	1600		µg/Kg	1	4/12/2006
4-Nitrophenol	ND	1600		µg/Kg	1	4/12/2006
Acenaphthene	ND	330		µg/Kg	1	4/12/2006
Acenaphthylene	ND	330		µg/Kg	1	4/12/2006
Anthracene	ND	330		µg/Kg	1	4/12/2006
Benzidine (M)	ND	1600		µg/Kg	1	4/12/2006
Benzo(a)anthracene	ND	330		µg/Kg	1	4/12/2006
Benzo(a)pyrene	ND	330		µg/Kg	1	4/12/2006
Benzo(b)fluoranthene	ND	330		µg/Kg	1	4/12/2006
Benzo(g,h,i)perylene	ND	330		µg/Kg	1	4/12/2006
Benzo(k)fluoranthene	ND	330		µg/Kg	1	4/12/2006
Benzoic acid	ND	1600		µg/Kg	1	4/12/2006
Benzyl alcohol	ND	660		µg/Kg	1	4/12/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *17-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083676
Project: I-5 Expansion, 105812001
Lab ID: 083676-005

Client Sample ID: NM03-B2-15.0
Collection Date: 4/7/2006 9:38:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS6_060411B	QC Batch: 27549				PrepDate: 4/11/2006	Analyst: **EES**
Bis(2-chloroethoxy)methane	ND	330		µg/Kg	1	4/12/2006
Bis(2-chloroethyl)ether	ND	330		µg/Kg	1	4/12/2006
Bis(2-chloroisopropyl)ether	ND	330		µg/Kg	1	4/12/2006
Bis(2-ethylhexyl)phthalate	ND	330		µg/Kg	1	4/12/2006
Butylbenzylphthalate	ND	330		µg/Kg	1	4/12/2006
Chrysene	ND	330		µg/Kg	1	4/12/2006
Di-n-butylphthalate	ND	330		µg/Kg	1	4/12/2006
Di-n-octylphthalate	ND	330		µg/Kg	1	4/12/2006
Dibenz(a,h)anthracene	ND	330		µg/Kg	1	4/12/2006
Dibenzofuran	ND	330		µg/Kg	1	4/12/2006
Diethylphthalate	ND	330		µg/Kg	1	4/12/2006
Dimethylphthalate	ND	330		µg/Kg	1	4/12/2006
Fluoranthene	ND	330		µg/Kg	1	4/12/2006
Fluorene	ND	330		µg/Kg	1	4/12/2006
Hexachlorobenzene	ND	330		µg/Kg	1	4/12/2006
Hexachlorobutadiene	ND	660		µg/Kg	1	4/12/2006
Hexachlorocyclopentadiene	ND	660		µg/Kg	1	4/12/2006
Hexachloroethane	ND	330		µg/Kg	1	4/12/2006
Indeno(1,2,3-cd)pyrene	ND	330		µg/Kg	1	4/12/2006
Isophorone	ND	330		µg/Kg	1	4/12/2006
N-Nitrosodi-n-propylamine	ND	330		µg/Kg	1	4/12/2006
N-Nitrosodiphenylamine	ND	330		µg/Kg	1	4/12/2006
Naphthalene	ND	330		µg/Kg	1	4/12/2006
Nitrobenzene	ND	330		µg/Kg	1	4/12/2006
Pentachlorophenol	ND	1600		µg/Kg	1	4/12/2006
Phenanthrene	ND	330		µg/Kg	1	4/12/2006
Phenol	ND	330		µg/Kg	1	4/12/2006
Pyrene	ND	330		µg/Kg	1	4/12/2006
Surr: 1,2-Dichlorobenzene-d4	76.3	46-105		%REC	1	4/12/2006
Surr: 2,4,6-Tribromophenol	89.1	46-146		%REC	1	4/12/2006
Surr: 2-Chlorophenol-d4	73.9	48-117		%REC	1	4/12/2006
Surr: 2-Fluorobiphenyl	81.3	54-112		%REC	1	4/12/2006
Surr: 2-Fluorophenol	75.9	45-119		%REC	1	4/12/2006
Surr: 4-Terphenyl-d14	97.4	46-135		%REC	1	4/12/2006
Surr: Nitrobenzene-d5	82.5	40-116		%REC	1	4/12/2006
Surr: Phenol-d5	75.1	37-127		%REC	1	4/12/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *17-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B2-Equip
Lab Order:	083676	**Collection Date:**	4/7/2006 10:00:00 AM
Project:	I-5 Expansion, 105812001		
Lab ID:	083676-006	**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3510C				**EPA 8015B(M)**		
RunID: GC7_BACK_060412A QC Batch: 27563				PrepDate:	4/12/2006	Analyst: **CBR**
DRO	ND	0.20		mg/L	1	4/12/2006
Surr: p-Terphenyl	36.7	32-125		%REC	1	4/12/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC6_060411A QC Batch: I06VW093				PrepDate:		Analyst: **EA**
GRO	ND	0.20		mg/L	1	4/11/2006
Surr: Bromofluorobenzene (FID)	101	76-125		%REC	1	4/11/2006
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3510C				**EPA 8270C**		
RunID: MS6_060411A QC Batch: 27546				PrepDate:	4/11/2006	Analyst: **EES**
1,2,4-Trichlorobenzene	ND	10		µg/L	1	4/12/2006
1,2-Dichlorobenzene	ND	10		µg/L	1	4/12/2006
1,3-Dichlorobenzene	ND	10		µg/L	1	4/12/2006
1,4-Dichlorobenzene	ND	10		µg/L	1	4/12/2006
2,4,5-Trichlorophenol	ND	10		µg/L	1	4/12/2006
2,4,6-Trichlorophenol	ND	10		µg/L	1	4/12/2006
2,4-Dichlorophenol	ND	10		µg/L	1	4/12/2006
2,4-Dimethylphenol	ND	10		µg/L	1	4/12/2006
2,4-Dinitrophenol	ND	50		µg/L	1	4/12/2006
2,4-Dinitrotoluene	ND	10		µg/L	1	4/12/2006
2,6-Dinitrotoluene	ND	10		µg/L	1	4/12/2006
2-Chloronaphthalene	ND	10		µg/L	1	4/12/2006
2-Chlorophenol	ND	10		µg/L	1	4/12/2006
2-Methylnaphthalene	ND	10		µg/L	1	4/12/2006
2-Methylphenol	ND	10		µg/L	1	4/12/2006
2-Nitroaniline	ND	50		µg/L	1	4/12/2006
2-Nitrophenol	ND	10		µg/L	1	4/12/2006
3,3´-Dichlorobenzidine	ND	20		µg/L	1	4/12/2006
3-Nitroaniline	ND	50		µg/L	1	4/12/2006
4,6-Dinitro-2-methylphenol	ND	50		µg/L	1	4/12/2006
4-Bromophenyl-phenylether	ND	10		µg/L	1	4/12/2006
4-Chloro-3-methylphenol	ND	50		µg/L	1	4/12/2006
4-Chloroaniline	ND	20		µg/L	1	4/12/2006
4-Chlorophenyl-phenylether	ND	10		µg/L	1	4/12/2006
4-Methylphenol	ND	10		µg/L	1	4/12/2006
4-Nitroaniline	ND	20		µg/L	1	4/12/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *17-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083676
Project: I-5 Expansion, 105812001
Lab ID: 083676-006

Client Sample ID: NM03-B2-Equip
Collection Date: 4/7/2006 10:00:00 AM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3510C				**EPA 8270C**		
RunID: MS6_060411A	QC Batch: 27546				PrepDate: 4/11/2006	Analyst: **EES**
4-Nitrophenol	ND	50		µg/L	1	4/12/2006
Acenaphthene	ND	10		µg/L	1	4/12/2006
Acenaphthylene	ND	10		µg/L	1	4/12/2006
Anthracene	ND	10		µg/L	1	4/12/2006
Benzidine (M)	ND	50		µg/L	1	4/12/2006
Benzo(a)anthracene	ND	10		µg/L	1	4/12/2006
Benzo(a)pyrene	ND	10		µg/L	1	4/12/2006
Benzo(b)fluoranthene	ND	10		µg/L	1	4/12/2006
Benzo(g,h,i)perylene	ND	10		µg/L	1	4/12/2006
Benzo(k)fluoranthene	ND	10		µg/L	1	4/12/2006
Benzoic acid	ND	50		µg/L	1	4/12/2006
Benzyl alcohol	ND	20		µg/L	1	4/12/2006
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	4/12/2006
Bis(2-chloroethyl)ether	ND	10		µg/L	1	4/12/2006
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	4/12/2006
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	4/12/2006
Butylbenzylphthalate	ND	10		µg/L	1	4/12/2006
Chrysene	ND	10		µg/L	1	4/12/2006
Di-n-butylphthalate	ND	10		µg/L	1	4/12/2006
Di-n-octylphthalate	ND	10		µg/L	1	4/12/2006
Dibenz(a,h)anthracene	ND	10		µg/L	1	4/12/2006
Dibenzofuran	ND	10		µg/L	1	4/12/2006
Diethylphthalate	ND	10		µg/L	1	4/12/2006
Dimethylphthalate	ND	10		µg/L	1	4/12/2006
Fluoranthene	ND	10		µg/L	1	4/12/2006
Fluorene	ND	10		µg/L	1	4/12/2006
Hexachlorobenzene	ND	10		µg/L	1	4/12/2006
Hexachlorobutadiene	ND	20		µg/L	1	4/12/2006
Hexachlorocyclopentadiene	ND	10		µg/L	1	4/12/2006
Hexachloroethane	ND	10		µg/L	1	4/12/2006
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	4/12/2006
Isophorone	ND	10		µg/L	1	4/12/2006
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	4/12/2006
N-Nitrosodiphenylamine	ND	10		µg/L	1	4/12/2006
Naphthalene	ND	10		µg/L	1	4/12/2006
Nitrobenzene	ND	10		µg/L	1	4/12/2006
Pentachlorophenol	ND	50		µg/L	1	4/12/2006
Phenanthrene	ND	10		µg/L	1	4/12/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *17-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083676
Project: I-5 Expansion, 105812001
Lab ID: 083676-006

Client Sample ID: NM03-B2-Equip
Collection Date: 4/7/2006 10:00:00 AM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3510C				**EPA 8270C**		
RunID: MS6_060411A	QC Batch: 27546				PrepDate: 4/11/2006	Analyst: **EES**
Phenol	ND	10		µg/L	1	4/12/2006
Pyrene	ND	10		µg/L	1	4/12/2006
Surr: 1,2-Dichlorobenzene-d4	57.2	41-103		%REC	1	4/12/2006
Surr: 2,4,6-Tribromophenol	70.1	55-137		%REC	1	4/12/2006
Surr: 2-Chlorophenol-d4	53.8	34-117		%REC	1	4/12/2006
Surr: 2-Fluorobiphenyl	64.2	49-114		%REC	1	4/12/2006
Surr: 2-Fluorophenol	31.5	24-74		%REC	1	4/12/2006
Surr: 4-Terphenyl-d14	79.5	42-138		%REC	1	4/12/2006
Surr: Nitrobenzene-d5	66.1	47-115		%REC	1	4/12/2006
Surr: Phenol-d5	20.4	16-63		%REC	1	4/12/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060410A	QC Batch: Q06VW078				PrepDate:	Analyst: **HH**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	4/10/2006
1,1,1-Trichloroethane	ND	5.0		µg/L	1	4/10/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	4/10/2006
1,1,2-Trichloroethane	ND	5.0		µg/L	1	4/10/2006
1,1-Dichloroethane	ND	5.0		µg/L	1	4/10/2006
1,1-Dichloroethene	ND	5.0		µg/L	1	4/10/2006
1,1-Dichloropropene	ND	5.0		µg/L	1	4/10/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/L	1	4/10/2006
1,2,3-Trichloropropane	ND	5.0		µg/L	1	4/10/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	4/10/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/L	1	4/10/2006
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	4/10/2006
1,2-Dibromoethane	ND	5.0		µg/L	1	4/10/2006
1,2-Dichlorobenzene	ND	5.0		µg/L	1	4/10/2006
1,2-Dichloroethane	ND	5.0		µg/L	1	4/10/2006
1,2-Dichloropropane	ND	5.0		µg/L	1	4/10/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	4/10/2006
1,3-Dichlorobenzene	ND	5.0		µg/L	1	4/10/2006
1,3-Dichloropropane	ND	5.0		µg/L	1	4/10/2006
1,4-Dichlorobenzene	ND	5.0		µg/L	1	4/10/2006
2,2-Dichloropropane	ND	5.0		µg/L	1	4/10/2006
2-Chlorotoluene	ND	5.0		µg/L	1	4/10/2006
4-Chlorotoluene	ND	5.0		µg/L	1	4/10/2006
4-Isopropyltoluene	ND	5.0		µg/L	1	4/10/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *17-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083676
Project: I-5 Expansion, 105812001
Lab ID: 083676-006

Client Sample ID: NM03-B2-Equip
Collection Date: 4/7/2006 10:00:00 AM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060410A	QC Batch:	Q06VW078			PrepDate:	Analyst: **HH**
Benzene	ND	5.0		µg/L	1	4/10/2006
Bromobenzene	ND	5.0		µg/L	1	4/10/2006
Bromodichloromethane	ND	5.0		µg/L	1	4/10/2006
Bromoform	ND	5.0		µg/L	1	4/10/2006
Bromomethane	ND	5.0		µg/L	1	4/10/2006
Carbon tetrachloride	ND	5.0		µg/L	1	4/10/2006
Chlorobenzene	ND	5.0		µg/L	1	4/10/2006
Chloroethane	ND	5.0		µg/L	1	4/10/2006
Chloroform	ND	5.0		µg/L	1	4/10/2006
Chloromethane	ND	5.0		µg/L	1	4/10/2006
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	4/10/2006
Dibromochloromethane	ND	5.0		µg/L	1	4/10/2006
Dibromomethane	ND	5.0		µg/L	1	4/10/2006
Dichlorodifluoromethane	ND	5.0		µg/L	1	4/10/2006
Ethylbenzene	ND	5.0		µg/L	1	4/10/2006
Hexachlorobutadiene	ND	5.0		µg/L	1	4/10/2006
Isopropylbenzene	ND	5.0		µg/L	1	4/10/2006
m,p-Xylene	ND	10		µg/L	1	4/10/2006
Methylene chloride	ND	5.0		µg/L	1	4/10/2006
n-Butylbenzene	ND	5.0		µg/L	1	4/10/2006
n-Propylbenzene	ND	5.0		µg/L	1	4/10/2006
Naphthalene	ND	5.0		µg/L	1	4/10/2006
o-Xylene	ND	5.0		µg/L	1	4/10/2006
sec-Butylbenzene	ND	5.0		µg/L	1	4/10/2006
Styrene	ND	5.0		µg/L	1	4/10/2006
tert-Butylbenzene	ND	5.0		µg/L	1	4/10/2006
Tetrachloroethene	ND	5.0		µg/L	1	4/10/2006
Toluene	ND	5.0		µg/L	1	4/10/2006
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	4/10/2006
Trichloroethene	ND	5.0		µg/L	1	4/10/2006
Trichlorofluoromethane	ND	5.0		µg/L	1	4/10/2006
Vinyl chloride	ND	5.0		µg/L	1	4/10/2006
Surr: 1,2-Dichloroethane-d4	110	70-126		%REC	1	4/10/2006
Surr: 4-Bromofluorobenzene	89.9	63-134		%REC	1	4/10/2006
Surr: Dibromofluoromethane	107	73-124		%REC	1	4/10/2006
Surr: Toluene-d8	95.0	84-123		%REC	1	4/10/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
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CLIENT: Ninyo & Moore
Work Order: 083676
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **MB-27548A** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62133**
Client ID: **PBS** Batch ID: **27548** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919317**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID: **LCS-27548** SampType: **LCS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62133**
Client ID: **LCSS** Batch ID: **27548** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919318**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	270	1.0	250.0	0	107	80	120				

Sample ID: **083677-008ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62133**
Client ID: **ZZZZZZ** Batch ID: **27548** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919329**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.2	1.0						5.127	0.968	20	

Sample ID: **083677-008AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62133**
Client ID: **ZZZZZZ** Batch ID: **27548** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919330**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	230	1.0	250.0	5.127	90.7	31	122				

Sample ID: **MB-27548B** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62133**
Client ID: **PBS** Batch ID: **27548** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919331**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interferenc	DO	Surrogate Diluted Out
	Calculations are based on raw values				

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CLIENT: Ninyo & Moore
Work Order: 083676
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **083678-003ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62133**
Client ID: **ZZZZZZ** Batch ID: **27548** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919342**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.5	1.0						4.650	16.9	20	

Sample ID: **083678-003AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62133**
Client ID: **ZZZZZZ** Batch ID: **27548** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919343**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	240	1.0	250.0	4.650	93.6	31	122				

Sample ID: **083678-003AMSD** SampType: **MSD** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62133**
Client ID: **ZZZZZZ** Batch ID: **27548** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919344**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	240	1.0	250.0	4.650	94.2	31	122	238.7	0.624	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083676
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DSL H

Sample ID: **MB-27557** SampType: **MBLK** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **4/11/2006** RunNo: **62001**
Client ID: **PBS** Batch ID: **27557** TestNo: **EPA 8015B(M LUFT** Analysis Date: **4/11/2006** SeqNo: **917483**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	10									
Surr: p-Terphenyl	72		80.00		89.4	56	131				

Sample ID: **LCS-27557** SampType: **LCS** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **4/11/2006** RunNo: **62001**
Client ID: **LCSS** Batch ID: **27557** TestNo: **EPA 8015B(M LUFT** Analysis Date: **4/11/2006** SeqNo: **917484**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1100	10	1000	0	109	67	131				
Surr: p-Terphenyl	93		80.00		116	56	131				

Sample ID: **083643-014AMS** SampType: **MS** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **4/11/2006** RunNo: **62001**
Client ID: **ZZZZZZ** Batch ID: **27557** TestNo: **EPA 8015B(M LUFT** Analysis Date: **4/11/2006** SeqNo: **917485**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1000	10	1000	0	101	49	140				
Surr: p-Terphenyl	85		80.00		107	56	131				

Sample ID: **083643-014AMSD** SampType: **MSD** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **4/11/2006** RunNo: **62001**
Client ID: **ZZZZZZ** Batch ID: **27557** TestNo: **EPA 8015B(M LUFT** Analysis Date: **4/11/2006** SeqNo: **917486**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1000	10	1000	0	101	49	140	1012	0.0930	30	
Surr: p-Terphenyl	86		80.00		107	56	131		0	30	

Sample ID: **083675-004ADUP** SampType: **DUP** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **4/11/2006** RunNo: **62001**
Client ID: **ZZZZZZ** Batch ID: **27557** TestNo: **EPA 8015B(M LUFT** Analysis Date: **4/11/2006** SeqNo: **917487**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	10						0	0	30	
Surr: p-Terphenyl	78		80.00		97.2	56	131		0	0	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083676
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID: **D041006MB1** SampType: **MBLK** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **61943**
Client ID: **PBS** Batch ID: **D06VS023** TestNo: **EPA 8015B(M** Analysis Date: **4/10/2006** SeqNo: **916757**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0									
Surr: Bromofluorobenzene (FID)	71		100.0		70.5	42	138				

Sample ID: **083675-005A** SampType: **DUP** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **61943**
Client ID: **ZZZZZZ** Batch ID: **D06VS023** TestNo: **EPA 8015B(M** Analysis Date: **4/10/2006** SeqNo: **916760**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0						0	0	30	
Surr: Bromofluorobenzene (FID)	74		100.0		74.3	42	138		0	0	

Sample ID: **083675-004AMS** SampType: **MS** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **61943**
Client ID: **ZZZZZZ** Batch ID: **D06VS023** TestNo: **EPA 8015B(M** Analysis Date: **4/10/2006** SeqNo: **916765**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.2	1.0	5.000	0.1580	80.1	34	140				
Surr: Bromofluorobenzene (FID)	86		100.0		86.4	42	138				

Sample ID: **083675-004AMSD** SampType: **MSD** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **61943**
Client ID: **ZZZZZZ** Batch ID: **D06VS023** TestNo: **EPA 8015B(M** Analysis Date: **4/10/2006** SeqNo: **916766**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.4	1.0	5.000	0.1580	84.4	34	140	4.165	5.01	30	
Surr: Bromofluorobenzene (FID)	89		100.0		89.3	42	138		0	30	

Sample ID: **D041006LCS1** SampType: **LCS** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **61943**
Client ID: **LCSS** Batch ID: **D06VS023** TestNo: **EPA 8015B(M** Analysis Date: **4/10/2006** SeqNo: **916767**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.5	1.0	5.000	0.1540	86.0	78	122				
Surr: Bromofluorobenzene (FID)	85		100.0		85.3	42	138				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083676
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_DSL H

Sample ID: **MB-27563** SampType: **MBLK** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/12/2006** RunNo: **62109**
Client ID: **PBW** Batch ID: **27563** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/12/2006** SeqNo: **918889**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	0.20									
Surr: p-Terphenyl	0.035		0.08000		44.0	32	125				

Sample ID: **LCS-27563** SampType: **LCS** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/12/2006** RunNo: **62109**
Client ID: **LCSW** Batch ID: **27563** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/12/2006** SeqNo: **918890**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.93	0.20	1.000	0	92.8	60	130				
Surr: p-Terphenyl	0.045		0.08000		56.7	32	125				

Sample ID: **MB-27563MS** SampType: **MS** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/12/2006** RunNo: **62109**
Client ID: **ZZZZZZ** Batch ID: **27563** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/12/2006** SeqNo: **918891**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.86	0.20	1.000	0	86.3	60	130				
Surr: p-Terphenyl	0.041		0.08000		50.9	32	125				

Sample ID: **MB-27563MSD** SampType: **MSD** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/12/2006** RunNo: **62109**
Client ID: **ZZZZZZ** Batch ID: **27563** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/12/2006** SeqNo: **918892**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.83	0.20	1.000	0	83.2	60	130	0.8635	3.74	40	
Surr: p-Terphenyl	0.040		0.08000		50.5	32	125		0	0	

Sample ID: **083675-007CDUP** SampType: **DUP** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/12/2006** RunNo: **62109**
Client ID: **ZZZZZZ** Batch ID: **27563** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/12/2006** SeqNo: **918894**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	0.20						0	0	30	
Surr: p-Terphenyl	0.053		0.08000		66.2	32	125		0	0	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 083676
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_G PRES

Sample ID: **I041106MB2MS** SampType: **MS** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **61934**
Client ID: **ZZZZZZ** Batch ID: **I06VW093** TestNo: **EPA 8015B(M** Analysis Date: **4/11/2006** SeqNo: **916660**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.94	0.20	1.000	0	93.7	71	122				
Surr: Bromofluorobenzene (FID)	110		100.0		114	76	125				

Sample ID: **I041106MB2MSD** SampType: **MSD** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **61934**
Client ID: **ZZZZZZ** Batch ID: **I06VW093** TestNo: **EPA 8015B(M** Analysis Date: **4/11/2006** SeqNo: **916661**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.95	0.20	1.000	0	95.1	71	122	0.9370	1.48	30	
Surr: Bromofluorobenzene (FID)	110		100.0		110	76	125		0	0	

Sample ID: **I041106MB2** SampType: **MBLK** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **61934**
Client ID: **PBW** Batch ID: **I06VW093** TestNo: **EPA 8015B(M** Analysis Date: **4/11/2006** SeqNo: **916662**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.20									
Surr: Bromofluorobenzene (FID)	100		100.0		103	76	125				

Sample ID: **083676-006B** SampType: **DUP** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **61934**
Client ID: **NM03-B2-Equip** Batch ID: **I06VW093** TestNo: **EPA 8015B(M** Analysis Date: **4/11/2006** SeqNo: **916798**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.20						0.05200	0	30	
Surr: Bromofluorobenzene (FID)	100		100.0		103	76	125		0	0	

Sample ID: **I041106LCS1** SampType: **LCS** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **61934**
Client ID: **LCSW** Batch ID: **I06VW093** TestNo: **EPA 8015B(M** Analysis Date: **4/11/2006** SeqNo: **917100**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.85	0.20	1.000	0	85.4	71	122				
Surr: Bromofluorobenzene (FID)	110		100.0		106	76	125				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Work Order: 083676
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **P060411LC1** SampType: **LCS** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **61915**
Client ID: **LCSS** Batch ID: **P06VS063** TestNo: **EPA 8260B** Analysis Date: **4/11/2006** SeqNo: **916412**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	110	5.0	100.0	0	112	76	126				
Benzene	100	5.0	100.0	0	101	77	131				
Chlorobenzene	110	5.0	100.0	0	106	81	136				
Toluene	95	5.0	100.0	0	95.2	78	129				
Trichloroethene	110	5.0	100.0	0	107	78	136				
Surr: 1,2-Dichloroethane-d4	49		50.00		98.1	58	138				
Surr: 4-Bromofluorobenzene	51		50.00		102	74	130				
Surr: Dibromofluoromethane	52		50.00		104	58	135				
Surr: Toluene-d8	50		50.00		99.7	84	130				

Sample ID: **P060411MS** SampType: **MS** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **61915**
Client ID: **ZZZZZZ** Batch ID: **P06VS063** TestNo: **EPA 8260B** Analysis Date: **4/11/2006** SeqNo: **916413**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	100	5.0	100.0	0	102	59	146				
Benzene	92	5.0	100.0	0	91.6	68	137				
Chlorobenzene	97	5.0	100.0	0	97.2	64	144				
Toluene	85	5.0	100.0	0	85.4	53	150				
Trichloroethene	96	5.0	100.0	0	96.2	58	155				
Surr: 1,2-Dichloroethane-d4	50		50.00		101	58	138				
Surr: 4-Bromofluorobenzene	51		50.00		101	74	130				
Surr: Dibromofluoromethane	54		50.00		108	58	135				
Surr: Toluene-d8	50		50.00		100	84	130				

Sample ID: **P060411MSD** SampType: **MSD** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **61915**
Client ID: **ZZZZZZ** Batch ID: **P06VS063** TestNo: **EPA 8260B** Analysis Date: **4/11/2006** SeqNo: **916414**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	110	5.0	100.0	0	113	59	146				
Benzene	100	5.0	100.0	0	99.9	68	137				
Chlorobenzene	110	5.0	100.0	0	105	64	144				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Work Order: 083676
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **P060411MSD** SampType: **MSD** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **61915**
Client ID: **ZZZZZZ** Batch ID: **P06VS063** TestNo: **EPA 8260B** Analysis Date: **4/11/2006** SeqNo: **916414**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	94	5.0	100.0	0	93.7	53	150				
Trichloroethene	100	5.0	100.0	0	104	58	155				
Surr: 1,2-Dichloroethane-d4	54		50.00		107	58	138				
Surr: 4-Bromofluorobenzene	50		50.00		101	74	130				
Surr: Dibromofluoromethane	54		50.00		108	58	135				
Surr: Toluene-d8	50		50.00		100	84	130				

Sample ID: **P060411MB1** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **61915**
Client ID: **PBS** Batch ID: **P06VS063** TestNo: **EPA 8260B** Analysis Date: **4/11/2006** SeqNo: **916415**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083676
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **P060411MB1** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **61915**
Client ID: **PBS** Batch ID: **P06VS063** TestNo: **EPA 8260B** Analysis Date: **4/11/2006** SeqNo: **916415**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
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Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **P060411MB1** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **61915**
Client ID: **PBS** Batch ID: **P06VS063** TestNo: **EPA 8260B** Analysis Date: **4/11/2006** SeqNo: **916415**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	49		50.00		98.6	58	138				
Surr: 4-Bromofluorobenzene	51		50.00		101	74	130				
Surr: Dibromofluoromethane	51		50.00		102	58	135				
Surr: Toluene-d8	50		50.00		99.4	84	130				

Sample ID: **083675-004A** SampType: **DUP** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **61915**
Client ID: **ZZZZZZ** Batch ID: **P06VS063** TestNo: **EPA 8260B** Analysis Date: **4/11/2006** SeqNo: **917431**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0						0	0	30	
1,1,1-Trichloroethane	ND	5.0						0	0	30	
1,1,2,2-Tetrachloroethane	ND	5.0						0	0	30	
1,1,2-Trichloroethane	ND	5.0						0	0	30	
1,1-Dichloroethane	ND	5.0						0	0	30	
1,1-Dichloroethene	ND	5.0						0	0	30	
1,1-Dichloropropene	ND	5.0						0	0	30	
1,2,3-Trichlorobenzene	ND	5.0						0	0	30	
1,2,3-Trichloropropane	ND	5.0						0	0	30	
1,2,4-Trichlorobenzene	ND	5.0						0	0	30	
1,2,4-Trimethylbenzene	ND	5.0						0	0	30	
1,2-Dibromo-3-chloropropane	ND	10						0	0	30	
1,2-Dibromoethane	ND	5.0						0	0	30	
1,2-Dichlorobenzene	ND	5.0						0	0	30	
1,2-Dichloroethane	ND	5.0						0	0	30	
1,2-Dichloropropane	ND	5.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Work Order: 083676
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **083675-004A** SampType: **DUP** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **61915**
Client ID: **ZZZZZZ** Batch ID: **P06VS063** TestNo: **EPA 8260B** Analysis Date: **4/11/2006** SeqNo: **917431**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trimethylbenzene	ND	5.0						0	0	30	
1,3-Dichlorobenzene	ND	5.0						0	0	30	
1,3-Dichloropropane	ND	5.0						0	0	30	
1,4-Dichlorobenzene	ND	5.0						0	0	30	
2,2-Dichloropropane	ND	5.0						0	0	30	
2-Chlorotoluene	ND	5.0						0	0	30	
4-Chlorotoluene	ND	5.0						0	0	30	
4-Isopropyltoluene	ND	5.0						0	0	30	
Benzene	ND	5.0						0	0	30	
Bromobenzene	ND	5.0						0	0	30	
Bromodichloromethane	ND	5.0						0	0	30	
Bromoform	ND	5.0						0	0	30	
Bromomethane	ND	5.0						0	0	30	
Carbon tetrachloride	ND	5.0						0	0	30	
Chlorobenzene	ND	5.0						0	0	30	
Chloroethane	ND	5.0						0	0	30	
Chloroform	ND	5.0						0	0	30	
Chloromethane	ND	5.0						0	0	30	
cis-1,2-Dichloroethene	ND	5.0						0	0	30	
cis-1,3-Dichloropropene	ND	5.0						0	0	30	
Dibromochloromethane	ND	5.0						0	0	30	
Dibromomethane	ND	5.0						0	0	30	
Dichlorodifluoromethane	ND	5.0						0	0	30	
Ethylbenzene	ND	5.0						0	0	30	
Hexachlorobutadiene	ND	5.0						0	0	30	
Isopropylbenzene	ND	5.0						0	0	30	
m,p-Xylene	ND	10						0	0	30	
Methylene chloride	ND	5.0						0	0	30	
n-Butylbenzene	ND	5.0						0	0	30	
n-Propylbenzene	ND	5.0						0	0	30	
Naphthalene	ND	5.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Work Order: 083676
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **083675-004A** SampType: **DUP** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **61915**
Client ID: **ZZZZZZ** Batch ID: **P06VS063** TestNo: **EPA 8260B** Analysis Date: **4/11/2006** SeqNo: **917431**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene	ND	5.0						0	0	30	
sec-Butylbenzene	ND	5.0						0	0	30	
Styrene	ND	5.0						0	0	30	
tert-Butylbenzene	ND	5.0						0	0	30	
Tetrachloroethene	ND	5.0						0	0	30	
Toluene	ND	5.0						0	0	30	
trans-1,2-Dichloroethene	ND	5.0						0	0	30	
Trichloroethene	ND	5.0						0	0	30	
Trichlorofluoromethane	ND	5.0						0	0	30	
Vinyl chloride	ND	5.0						0	0	30	
Surr: 1,2-Dichloroethane-d4	56		50.00		112	58	138		0	30	
Surr: 4-Bromofluorobenzene	51		50.00		103	74	130		0	30	
Surr: Dibromofluoromethane	54		50.00		108	58	135		0	30	
Surr: Toluene-d8	50		50.00		100	84	130		0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
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S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Work Order: 083676
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **Q041006LC1** SampType: **LCS** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61905**
Client ID: **LCSW** Batch ID: **Q06VW078** TestNo: **EPA 8260B** Analysis Date: **4/10/2006** SeqNo: **916238**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	21	5.0	20.00	0	104	76	132				
Benzene	20	5.0	20.00	0	101	90	123				
Chlorobenzene	20	5.0	20.00	0	102	76	118				
Toluene	20	5.0	20.00	0	99.4	91	124				
Trichloroethene	20	5.0	20.00	0	98.1	87	125				
Surr: 1,2-Dichloroethane-d4	52		50.00		103	70	126				
Surr: 4-Bromofluorobenzene	50		50.00		101	63	134				
Surr: Dibromofluoromethane	51		50.00		102	73	124				
Surr: Toluene-d8	51		50.00		102	84	123				

Sample ID: **Q041006MB1MS** SampType: **MS** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61905**
Client ID: **ZZZZZZ** Batch ID: **Q06VW078** TestNo: **EPA 8260B** Analysis Date: **4/10/2006** SeqNo: **916239**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	22	5.0	20.00	0	110	76	132				
Benzene	20	5.0	20.00	0	101	90	123				
Chlorobenzene	21	5.0	20.00	0	103	76	118				
Toluene	20	5.0	20.00	0	102	91	124				
Trichloroethene	20	5.0	20.00	0	101	87	125				
Surr: 1,2-Dichloroethane-d4	52		50.00		104	70	126				
Surr: 4-Bromofluorobenzene	51		50.00		102	63	134				
Surr: Dibromofluoromethane	51		50.00		101	73	124				
Surr: Toluene-d8	50		50.00		101	84	123				

Sample ID: **Q041006MB1MSD** SampType: **MSD** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61905**
Client ID: **ZZZZZZ** Batch ID: **Q06VW078** TestNo: **EPA 8260B** Analysis Date: **4/10/2006** SeqNo: **916240**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	23	5.0	20.00	0	113	76	132	22.08	2.37	30	
Benzene	22	5.0	20.00	0	110	90	123	20.11	8.66	30	
Chlorobenzene	21	5.0	20.00	0	105	76	118	20.62	1.87	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083676
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **Q041006MB1MSD** SampType: **MSD** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61905**
Client ID: **ZZZZZZ** Batch ID: **Q06VW078** TestNo: **EPA 8260B** Analysis Date: **4/10/2006** SeqNo: **916240**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	21	5.0	20.00	0	107	91	124	20.40	5.02	30	
Trichloroethene	21	5.0	20.00	0	106	87	125	20.27	4.63	30	
Surr: 1,2-Dichloroethane-d4	53		50.00		105	70	126		0	30	
Surr: 4-Bromofluorobenzene	50		50.00		99.8	63	134		0	30	
Surr: Dibromofluoromethane	52		50.00		105	73	124		0	30	
Surr: Toluene-d8	52		50.00		104	84	123		0	30	

Sample ID: **Q041006MB1** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61905**
Client ID: **PBW** Batch ID: **Q06VW078** TestNo: **EPA 8260B** Analysis Date: **4/10/2006** SeqNo: **916242**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	5.0									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083676
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **Q041006MB1** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61905**
Client ID: **PBW** Batch ID: **Q06VW078** TestNo: **EPA 8260B** Analysis Date: **4/10/2006** SeqNo: **916242**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083676
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **Q041006MB1** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61905**
Client ID: **PBW** Batch ID: **Q06VW078** TestNo: **EPA 8260B** Analysis Date: **4/10/2006** SeqNo: **916242**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	55		50.00		110	70	126				
Surr: 4-Bromofluorobenzene	46		50.00		92.3	63	134				
Surr: Dibromofluoromethane	55		50.00		110	73	124				
Surr: Toluene-d8	48		50.00		95.6	84	123				

Sample ID: **083675-007ADUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61905**
Client ID: **ZZZZZZ** Batch ID: **Q06VW078** TestNo: **EPA 8260B** Analysis Date: **4/10/2006** SeqNo: **916396**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0						0	0	30	
1,1,1-Trichloroethane	ND	5.0						0	0	30	
1,1,2,2-Tetrachloroethane	ND	5.0						0	0	30	
1,1,2-Trichloroethane	ND	5.0						0	0	30	
1,1-Dichloroethane	ND	5.0						0	0	30	
1,1-Dichloroethene	ND	5.0						0	0	30	
1,1-Dichloropropene	ND	5.0						0	0	30	
1,2,3-Trichlorobenzene	ND	5.0						0	0	30	
1,2,3-Trichloropropane	ND	5.0						0	0	30	
1,2,4-Trichlorobenzene	ND	5.0						0	0	30	
1,2,4-Trimethylbenzene	ND	5.0						0	0	30	
1,2-Dibromo-3-chloropropane	ND	5.0						0	0	30	
1,2-Dibromoethane	ND	5.0						0	0	30	
1,2-Dichlorobenzene	ND	5.0						0	0	30	
1,2-Dichloroethane	ND	5.0						0	0	30	
1,2-Dichloropropane	ND	5.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Work Order: 083676
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **083675-007ADUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61905**
Client ID: **ZZZZZZ** Batch ID: **Q06VW078** TestNo: **EPA 8260B** Analysis Date: **4/10/2006** SeqNo: **916396**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trimethylbenzene	ND	5.0						0	0	30	
1,3-Dichlorobenzene	ND	5.0						0	0	30	
1,3-Dichloropropane	ND	5.0						0	0	30	
1,4-Dichlorobenzene	ND	5.0						0	0	30	
2,2-Dichloropropane	ND	5.0						0	0	30	
2-Chlorotoluene	ND	5.0						0	0	30	
4-Chlorotoluene	ND	5.0						0	0	30	
4-Isopropyltoluene	ND	5.0						0	0	30	
Benzene	ND	5.0						0	0	30	
Bromobenzene	ND	5.0						0	0	30	
Bromodichloromethane	ND	5.0						0	0	30	
Bromoform	ND	5.0						0	0	30	
Bromomethane	ND	5.0						0	0	30	
Carbon tetrachloride	ND	5.0						0	0	30	
Chlorobenzene	ND	5.0						0	0	30	
Chloroethane	ND	5.0						0	0	30	
Chloroform	ND	5.0						0	0	30	
Chloromethane	ND	5.0						0	0	30	
cis-1,2-Dichloroethene	ND	5.0						0	0	30	
cis-1,3-Dichloropropene	ND	5.0						0	0	30	
Dibromochloromethane	ND	5.0						0	0	30	
Dibromomethane	ND	5.0						0	0	30	
Dichlorodifluoromethane	ND	5.0						0	0	30	
Ethylbenzene	ND	5.0						0	0	30	
Hexachlorobutadiene	ND	5.0						0	0	30	
Isopropylbenzene	ND	5.0						0	0	30	
m,p-Xylene	ND	10						0	0	30	
Methylene chloride	ND	5.0						0	0	30	
n-Butylbenzene	ND	5.0						0	0	30	
n-Propylbenzene	ND	5.0						0	0	30	
Naphthalene	ND	5.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083676
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **083675-007ADUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61905**
Client ID: **ZZZZZZ** Batch ID: **Q06VW078** TestNo: **EPA 8260B** Analysis Date: **4/10/2006** SeqNo: **916396**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene	ND	5.0						0	0	30	
sec-Butylbenzene	ND	5.0						0	0	30	
Styrene	ND	5.0						0	0	30	
tert-Butylbenzene	ND	5.0						0	0	30	
Tetrachloroethene	ND	5.0						0	0	30	
Toluene	ND	5.0						0	0	30	
trans-1,2-Dichloroethene	ND	5.0						0	0	30	
Trichloroethene	ND	5.0						0	0	30	
Trichlorofluoromethane	ND	5.0						0	0	30	
Vinyl chloride	ND	5.0						0	0	30	
Surr: 1,2-Dichloroethane-d4	62		50.00		124	70	126		0	30	
Surr: 4-Bromofluorobenzene	49		50.00		97.6	63	134		0	30	
Surr: Dibromofluoromethane	62		50.00		124	73	124		0	30	
Surr: Toluene-d8	56		50.00		112	84	123		0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
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H Holding times for preparation or analysis exceeded
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CLIENT: Ninyo & Moore
Work Order: 083676
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-27549** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/11/2006** RunNo: **62018**
Client ID: **PBS** Batch ID: **27549** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/11/2006** SeqNo: **917643**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	330									
1,2-Dichlorobenzene	ND	330									
1,3-Dichlorobenzene	ND	330									
1,4-Dichlorobenzene	ND	330									
2,4,5-Trichlorophenol	ND	330									
2,4,6-Trichlorophenol	ND	330									
2,4-Dichlorophenol	ND	1600									
2,4-Dimethylphenol	ND	330									
2,4-Dinitrophenol	ND	1600									
2,4-Dinitrotoluene	ND	330									
2,6-Dinitrotoluene	ND	330									
2-Chloronaphthalene	ND	330									
2-Chlorophenol	ND	330									
2-Methylnaphthalene	ND	330									
2-Methylphenol	ND	330									
2-Nitroaniline	ND	1600									
2-Nitrophenol	ND	330									
3,3´-Dichlorobenzidine	ND	660									
3-Nitroaniline	ND	1600									
4,6-Dinitro-2-methylphenol	ND	1600									
4-Bromophenyl-phenylether	ND	330									
4-Chloro-3-methylphenol	ND	660									
4-Chloroaniline	ND	660									
4-Chlorophenyl-phenylether	ND	330									
4-Methylphenol	ND	330									
4-Nitroaniline	ND	1600									
4-Nitrophenol	ND	1600									
Acenaphthene	ND	330									
Acenaphthylene	ND	330									
Anthracene	ND	330									
Benzidine (M)	ND	1600									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083676
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-27549**	SampType: **MBLK**	TestCode: **8270_S_FUL**	Units: **µg/Kg**	Prep Date: **4/11/2006**	RunNo: **62018**								
Client ID: **PBS**	Batch ID: **27549**	TestNo: **EPA 8270C**	**EPA 3550B**	Analysis Date: **4/11/2006**	SeqNo: **917643**								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Benzo(a)anthracene	ND	330											
Benzo(a)pyrene	ND	330											
Benzo(b)fluoranthene	ND	330											
Benzo(g,h,i)perylene	ND	330											
Benzo(k)fluoranthene	ND	330											
Benzoic acid	ND	1600											
Benzyl alcohol	ND	660											
Bis(2-chloroethoxy)methane	ND	330											
Bis(2-chloroethyl)ether	ND	330											
Bis(2-chloroisopropyl)ether	ND	330											
Bis(2-ethylhexyl)phthalate	ND	330											
Butylbenzylphthalate	ND	330											
Chrysene	ND	330											
Di-n-butylphthalate	ND	330											
Di-n-octylphthalate	ND	330											
Dibenz(a,h)anthracene	ND	330											
Dibenzofuran	ND	330											
Diethylphthalate	ND	330											
Dimethylphthalate	ND	330											
Fluoranthene	ND	330											
Fluorene	ND	330											
Hexachlorobenzene	ND	330											
Hexachlorobutadiene	ND	660											
Hexachlorocyclopentadiene	ND	660											
Hexachloroethane	ND	330											
Indeno(1,2,3-cd)pyrene	ND	330											
Isophorone	ND	330											
N-Nitrosodi-n-propylamine	ND	330											
N-Nitrosodiphenylamine	ND	330											
Naphthalene	ND	330											
Nitrobenzene	ND	330											

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083676
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-27549** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/11/2006** RunNo: **62018**
Client ID: **PBS** Batch ID: **27549** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/11/2006** SeqNo: **917643**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	ND	1600									
Phenanthrene	ND	330									
Phenol	ND	330									
Pyrene	ND	330									
Surr: 1,2-Dichlorobenzene-d4	2500		3330		76.3	46	105				
Surr: 2,4,6-Tribromophenol	3000		3330		89.3	46	146				
Surr: 2-Chlorophenol-d4	2500		3330		75.7	48	117				
Surr: 2-Fluorobiphenyl	2800		3330		82.9	54	112				
Surr: 2-Fluorophenol	2600		3330		78.8	45	119				
Surr: 4-Terphenyl-d14	3500		3330		105	46	135				
Surr: Nitrobenzene-d5	2800		3330		84.9	40	116				
Surr: Phenol-d5	2600		3330		77.9	37	127				

Sample ID: **LCS-27549** SampType: **LCS** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/11/2006** RunNo: **62018**
Client ID: **LCSS** Batch ID: **27549** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/11/2006** SeqNo: **917644**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2500	330	3330	0	75.9	58	117				
1,4-Dichlorobenzene	2200	330	3330	0	67.1	56	100				
2,4-Dinitrotoluene	3000	330	3330	0	89.6	71	135				
2-Chlorophenol	2200	330	3330	0	66.1	66	107				
4-Chloro-3-methylphenol	2700	660	3330	0	82.3	74	128				
4-Nitrophenol	2700	1600	3330	0	81.4	54	133				
Acenaphthene	2700	330	3330	0	80.7	73	118				
N-Nitrosodi-n-propylamine	2600	330	3330	0	77.6	67	113				
Pentachlorophenol	2800	1600	3330	0	85.1	78	127				
Phenol	2300	330	3330	0	69.8	67	110				
Pyrene	2700	330	3330	0	80.5	74	127				
Surr: 1,2-Dichlorobenzene-d4	2400		3330		71.9	46	105				
Surr: 2,4,6-Tribromophenol	3100		3330		92.4	46	146				
Surr: 2-Chlorophenol-d4	2400		3330		72.4	48	117				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083676
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **LCS-27549** SampType: **LCS** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/11/2006** RunNo: **62018**
Client ID: **LCSS** Batch ID: **27549** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/11/2006** SeqNo: **917644**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorobiphenyl	2700		3330		81.9	54	112				
Surr: 2-Fluorophenol	2500		3330		74.7	45	119				
Surr: 4-Terphenyl-d14	3100		3330		94.2	46	135				
Surr: Nitrobenzene-d5	2700		3330		81.3	40	116				
Surr: Phenol-d5	2500		3330		75.0	37	127				

Sample ID: **083675-005AMS** SampType: **MS** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/11/2006** RunNo: **62018**
Client ID: **ZZZZZZ** Batch ID: **27549** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/11/2006** SeqNo: **917645**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2600	330	3330	0	77.9	45	126				
1,4-Dichlorobenzene	2300	330	3330	0	68.4	41	110				
2,4-Dinitrotoluene	3200	330	3330	0	96.6	57	139				
2-Chlorophenol	2300	330	3330	0	68.4	52	117				
4-Chloro-3-methylphenol	2900	660	3330	0	87.4	63	135				
4-Nitrophenol	2900	1600	3330	0	87.3	48	137				
Acenaphthene	2800	330	3330	0	84.6	59	129				
N-Nitrosodi-n-propylamine	2600	330	3330	0	78.8	41	135				
Pentachlorophenol	3000	1600	3330	0	90.4	55	146				
Phenol	2400	330	3330	0	71.7	51	122				
Pyrene	2900	330	3330	0	87.5	58	138				
Surr: 1,2-Dichlorobenzene-d4	2300		3330		70.4	46	105				
Surr: 2,4,6-Tribromophenol	3100		3330		92.3	46	146				
Surr: 2-Chlorophenol-d4	2400		3330		71.8	48	117				
Surr: 2-Fluorobiphenyl	2700		3330		82.5	54	112				
Surr: 2-Fluorophenol	2500		3330		73.6	45	119				
Surr: 4-Terphenyl-d14	3200		3330		96.3	46	135				
Surr: Nitrobenzene-d5	2700		3330		79.7	40	116				
Surr: Phenol-d5	2500		3330		74.1	37	127				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083676
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **083675-005AMSD** SampType: **MSD** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/11/2006** RunNo: **62018**
Client ID: **ZZZZZZ** Batch ID: **27549** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/11/2006** SeqNo: **917646**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2500	330	3330	0	75.7	45	126	2593	2.80	30	
1,4-Dichlorobenzene	2100	330	3330	0	64.3	41	110	2279	6.29	30	
2,4-Dinitrotoluene	3200	330	3330	0	94.6	57	139	3216	2.06	30	
2-Chlorophenol	2200	330	3330	0	64.9	52	117	2279	5.32	30	
4-Chloro-3-methylphenol	2900	660	3330	0	87.7	63	135	2912	0.331	30	
4-Nitrophenol	2900	1600	3330	0	85.7	48	137	2908	1.85	30	
Acenaphthene	2800	330	3330	0	84.5	59	129	2818	0.107	30	
N-Nitrosodi-n-propylamine	2600	330	3330	0	78.8	41	135	2624	0.0381	30	
Pentachlorophenol	3100	1600	3330	0	94.4	55	146	3009	4.42	30	
Phenol	2300	330	3330	0	69.0	51	122	2389	3.96	30	
Pyrene	2700	330	3330	0	82.3	58	138	2915	6.22	30	
Surr: 1,2-Dichlorobenzene-d4	2200		3330		67.5	46	105		0	30	
Surr: 2,4,6-Tribromophenol	3100		3330		94.5	46	146		0	30	
Surr: 2-Chlorophenol-d4	2300		3330		69.8	48	117		0	30	
Surr: 2-Fluorobiphenyl	2700		3330		82.3	54	112		0	30	
Surr: 2-Fluorophenol	2400		3330		70.9	45	119		0	30	
Surr: 4-Terphenyl-d14	3500		3330		105	46	135		0	30	
Surr: Nitrobenzene-d5	2700		3330		80.1	40	116		0	30	
Surr: Phenol-d5	2400		3330		71.6	37	127		0	30	

Sample ID: **MB-27549** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/11/2006** RunNo: **62018**
Client ID: **PBS** Batch ID: **27549** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/12/2006** SeqNo: **917724**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	330									
1,2-Dichlorobenzene	ND	330									
1,3-Dichlorobenzene	ND	330									
1,4-Dichlorobenzene	ND	330									
2,4,5-Trichlorophenol	ND	330									
2,4,6-Trichlorophenol	ND	330									
2,4-Dichlorophenol	ND	1600									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-27549** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/11/2006** RunNo: **62018**
Client ID: **PBS** Batch ID: **27549** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/12/2006** SeqNo: **917724**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dimethylphenol	ND	330									
2,4-Dinitrophenol	ND	1600									
2,4-Dinitrotoluene	ND	330									
2,6-Dinitrotoluene	ND	330									
2-Chloronaphthalene	ND	330									
2-Chlorophenol	ND	330									
2-Methylnaphthalene	ND	330									
2-Methylphenol	ND	330									
2-Nitroaniline	ND	1600									
2-Nitrophenol	ND	330									
3,3´-Dichlorobenzidine	ND	660									
3-Nitroaniline	ND	1600									
4,6-Dinitro-2-methylphenol	ND	1600									
4-Bromophenyl-phenylether	ND	330									
4-Chloro-3-methylphenol	ND	660									
4-Chloroaniline	ND	660									
4-Chlorophenyl-phenylether	ND	330									
4-Methylphenol	ND	330									
4-Nitroaniline	ND	1600									
4-Nitrophenol	ND	1600									
Acenaphthene	ND	330									
Acenaphthylene	ND	330									
Anthracene	ND	330									
Benzidine (M)	ND	1600									
Benzo(a)anthracene	ND	330									
Benzo(a)pyrene	ND	330									
Benzo(b)fluoranthene	ND	330									
Benzo(g,h,i)perylene	ND	330									
Benzo(k)fluoranthene	ND	330									
Benzoic acid	ND	1600									
Benzyl alcohol	ND	660									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
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H Holding times for preparation or analysis exceeded
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ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-27549** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/11/2006** RunNo: **62018**
Client ID: **PBS** Batch ID: **27549** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/12/2006** SeqNo: **917724**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bis(2-chloroethoxy)methane	ND	330									
Bis(2-chloroethyl)ether	ND	330									
Bis(2-chloroisopropyl)ether	ND	330									
Bis(2-ethylhexyl)phthalate	ND	330									
Butylbenzylphthalate	ND	330									
Chrysene	ND	330									
Di-n-butylphthalate	ND	330									
Di-n-octylphthalate	ND	330									
Dibenz(a,h)anthracene	ND	330									
Dibenzofuran	ND	330									
Diethylphthalate	ND	330									
Dimethylphthalate	ND	330									
Fluoranthene	ND	330									
Fluorene	ND	330									
Hexachlorobenzene	ND	330									
Hexachlorobutadiene	ND	660									
Hexachlorocyclopentadiene	ND	660									
Hexachloroethane	ND	330									
Indeno(1,2,3-cd)pyrene	ND	330									
Isophorone	ND	330									
N-Nitrosodi-n-propylamine	ND	330									
N-Nitrosodiphenylamine	ND	330									
Naphthalene	ND	330									
Nitrobenzene	ND	330									
Pentachlorophenol	ND	1600									
Phenanthrene	ND	330									
Phenol	ND	330									
Pyrene	ND	330									
Surr: 1,2-Dichlorobenzene-d4	2600		3330		76.8	46	105				
Surr: 2,4,6-Tribromophenol	2900		3330		86.6	46	146				
Surr: 2-Chlorophenol-d4	2500		3330		76.4	48	117				

Qualifiers:
E Value above quantitation range
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ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-27549** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/11/2006** RunNo: **62018**
Client ID: **PBS** Batch ID: **27549** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/12/2006** SeqNo: **917724**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorobiphenyl	2900		3330		85.8	54	112				
Surr: 2-Fluorophenol	2600		3330		76.9	45	119				
Surr: 4-Terphenyl-d14	3500		3330		106	46	135				
Surr: Nitrobenzene-d5	2800		3330		85.0	40	116				
Surr: Phenol-d5	2600		3330		78.8	37	127				

Sample ID: **LCS-27549** SampType: **LCS** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/11/2006** RunNo: **62018**
Client ID: **LCSS** Batch ID: **27549** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/12/2006** SeqNo: **917746**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2900	330	3330	0	86.5	58	117				
1,4-Dichlorobenzene	2500	330	3330	0	75.5	56	100				
2,4-Dinitrotoluene	3300	330	3330	0	98.3	71	135				
2-Chlorophenol	2500	330	3330	0	74.4	66	107				
4-Chloro-3-methylphenol	3100	660	3330	0	91.8	74	128				
4-Nitrophenol	3000	1600	3330	0	90.0	54	133				
Acenaphthene	3000	330	3330	0	90.5	73	118				
N-Nitrosodi-n-propylamine	2900	330	3330	0	86.1	67	113				
Pentachlorophenol	3200	1600	3330	0	96.0	78	127				
Phenol	2600	330	3330	0	78.2	67	110				
Pyrene	3000	330	3330	0	90.4	74	127				
Surr: 1,2-Dichlorobenzene-d4	2600		3330		78.7	46	105				
Surr: 2,4,6-Tribromophenol	3400		3330		101	46	146				
Surr: 2-Chlorophenol-d4	2700		3330		80.6	48	117				
Surr: 2-Fluorobiphenyl	3000		3330		91.3	54	112				
Surr: 2-Fluorophenol	2700		3330		82.6	45	119				
Surr: 4-Terphenyl-d14	3600		3330		110	46	135				
Surr: Nitrobenzene-d5	3000		3330		91.4	40	116				
Surr: Phenol-d5	2700		3330		82.4	37	127				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
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H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **083675-005AMS** SampType: **MS** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/11/2006** RunNo: **62018**
Client ID: **ZZZZZZ** Batch ID: **27549** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/12/2006** SeqNo: **917901**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2600	330	3330	0	78.0	45	126				
1,4-Dichlorobenzene	2300	330	3330	0	67.6	41	110				
2,4-Dinitrotoluene	3100	330	3330	0	92.6	57	139				
2-Chlorophenol	2200	330	3330	0	66.7	52	117				
4-Chloro-3-methylphenol	2900	660	3330	0	86.9	63	135				
4-Nitrophenol	2800	1600	3330	0	83.3	48	137				
Acenaphthene	2800	330	3330	0	82.8	59	129				
N-Nitrosodi-n-propylamine	2600	330	3330	0	77.5	41	135				
Pentachlorophenol	3000	1600	3330	0	89.1	55	146				
Phenol	2300	330	3330	0	69.3	51	122				
Pyrene	2800	330	3330	0	84.4	58	138				
Surr: 1,2-Dichlorobenzene-d4	2400		3330		71.4	46	105				
Surr: 2,4,6-Tribromophenol	3000		3330		90.6	46	146				
Surr: 2-Chlorophenol-d4	2400		3330		70.6	48	117				
Surr: 2-Fluorobiphenyl	2700		3330		82.2	54	112				
Surr: 2-Fluorophenol	2400		3330		73.3	45	119				
Surr: 4-Terphenyl-d14	3200		3330		95.9	46	135				
Surr: Nitrobenzene-d5	2700		3330		81.4	40	116				
Surr: Phenol-d5	2400		3330		72.5	37	127				

Sample ID: **083675-005AMSD** SampType: **MSD** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/11/2006** RunNo: **62018**
Client ID: **ZZZZZZ** Batch ID: **27549** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/12/2006** SeqNo: **917902**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2400	330	3330	0	72.4	45	126	2599	7.51	30	
1,4-Dichlorobenzene	2000	330	3330	0	61.2	41	110	2252	9.96	30	
2,4-Dinitrotoluene	3000	330	3330	0	91.3	57	139	3084	1.38	30	
2-Chlorophenol	2100	330	3330	0	63.8	52	117	2223	4.48	30	
4-Chloro-3-methylphenol	2900	660	3330	0	86.2	63	135	2893	0.775	30	
4-Nitrophenol	2700	1600	3330	0	81.8	48	137	2774	1.79	30	
Acenaphthene	2700	330	3330	0	81.3	59	129	2758	1.83	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **083675-005AMSD** SampType: **MSD** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/11/2006** RunNo: **62018**
Client ID: **ZZZZZZ** Batch ID: **27549** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/12/2006** SeqNo: **917902**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
N-Nitrosodi-n-propylamine	2500	330	3330	0	76.3	41	135	2580	1.50	30	
Pentachlorophenol	2900	1600	3330	0	85.8	55	146	2968	3.81	30	
Phenol	2300	330	3330	0	67.7	51	122	2308	2.32	30	
Pyrene	2800	330	3330	0	84.8	58	138	2810	0.556	30	
Surr: 1,2-Dichlorobenzene-d4	2200		3330		65.1	46	105		0	30	
Surr: 2,4,6-Tribromophenol	3000		3330		90.6	46	146		0	30	
Surr: 2-Chlorophenol-d4	2300		3330		67.8	48	117		0	30	
Surr: 2-Fluorobiphenyl	2700		3330		79.8	54	112		0	30	
Surr: 2-Fluorophenol	2300		3330		68.6	45	119		0	30	
Surr: 4-Terphenyl-d14	3300		3330		99.5	46	135		0	30	
Surr: Nitrobenzene-d5	2600		3330		76.7	40	116		0	30	
Surr: Phenol-d5	2400		3330		71.1	37	127		0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **MB-27546** SampType: **MBLK** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/11/2006** RunNo: **61990**
Client ID: **PBW** Batch ID: **27546** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/11/2006** SeqNo: **917320**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	10									
1,2-Dichlorobenzene	ND	10									
1,3-Dichlorobenzene	ND	10									
1,4-Dichlorobenzene	ND	10									
2,4,5-Trichlorophenol	ND	10									
2,4,6-Trichlorophenol	ND	10									
2,4-Dichlorophenol	ND	10									
2,4-Dimethylphenol	ND	10									
2,4-Dinitrophenol	ND	50									
2,4-Dinitrotoluene	ND	10									
2,6-Dinitrotoluene	ND	10									
2-Chloronaphthalene	ND	10									
2-Chlorophenol	ND	10									
2-Methylnaphthalene	ND	10									
2-Methylphenol	ND	10									
2-Nitroaniline	ND	50									
2-Nitrophenol	ND	10									
3,3´-Dichlorobenzidine	ND	20									
3-Nitroaniline	ND	50									
4,6-Dinitro-2-methylphenol	ND	50									
4-Bromophenyl-phenylether	ND	10									
4-Chloro-3-methylphenol	ND	50									
4-Chloroaniline	ND	20									
4-Chlorophenyl-phenylether	ND	10									
4-Methylphenol	ND	10									
4-Nitroaniline	ND	20									
4-Nitrophenol	ND	50									
Acenaphthene	ND	10									
Acenaphthylene	ND	10									
Anthracene	ND	10									
Benzidine (M)	ND	50									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
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Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **MB-27546** SampType: **MBLK** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/11/2006** RunNo: **61990**
Client ID: **PBW** Batch ID: **27546** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/11/2006** SeqNo: **917320**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)anthracene	ND	10									
Benzo(a)pyrene	ND	10									
Benzo(b)fluoranthene	ND	10									
Benzo(g,h,i)perylene	ND	10									
Benzo(k)fluoranthene	ND	10									
Benzoic acid	ND	50									
Benzyl alcohol	ND	20									
Bis(2-chloroethoxy)methane	ND	10									
Bis(2-chloroethyl)ether	ND	10									
Bis(2-chloroisopropyl)ether	ND	10									
Bis(2-ethylhexyl)phthalate	ND	10									
Butylbenzylphthalate	ND	10									
Chrysene	ND	10									
Di-n-butylphthalate	ND	10									
Di-n-octylphthalate	ND	10									
Dibenz(a,h)anthracene	ND	10									
Dibenzofuran	ND	10									
Diethylphthalate	ND	10									
Dimethylphthalate	ND	10									
Fluoranthene	ND	10									
Fluorene	ND	10									
Hexachlorobenzene	ND	10									
Hexachlorobutadiene	ND	20									
Hexachlorocyclopentadiene	ND	10									
Hexachloroethane	ND	10									
Indeno(1,2,3-cd)pyrene	ND	10									
Isophorone	ND	10									
N-Nitrosodi-n-propylamine	ND	10									
N-Nitrosodiphenylamine	ND	10									
Naphthalene	ND	10									
Nitrobenzene	ND	10									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **MB-27546** SampType: **MBLK** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/11/2006** RunNo: **61990**
Client ID: **PBW** Batch ID: **27546** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/11/2006** SeqNo: **917320**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	ND	50									
Phenanthrene	ND	10									
Phenol	ND	10									
Pyrene	ND	10									
Surr: 1,2-Dichlorobenzene-d4	69		100.0		69.4	41	103				
Surr: 2,4,6-Tribromophenol	78		100.0		78.3	55	137				
Surr: 2-Chlorophenol-d4	69		100.0		68.7	34	117				
Surr: 2-Fluorobiphenyl	74		100.0		74.0	49	114				
Surr: 2-Fluorophenol	53		100.0		52.6	24	74				
Surr: 4-Terphenyl-d14	97		100.0		97.3	42	138				
Surr: Nitrobenzene-d5	80		100.0		79.9	47	115				
Surr: Phenol-d5	38		100.0		37.7	16	63				

Sample ID: **LCS-27546** SampType: **LCS** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/11/2006** RunNo: **61990**
Client ID: **LCSW** Batch ID: **27546** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/11/2006** SeqNo: **917321**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	79	10	100.0	0	79.3	60	120				
1,4-Dichlorobenzene	69	10	100.0	0	69.0	56	103				
2,4-Dinitrotoluene	84	10	100.0	0	83.5	71	136				
2-Chlorophenol	68	10	100.0	0	67.6	59	107				
4-Chloro-3-methylphenol	82	50	100.0	0	82.5	72	126				
4-Nitrophenol	ND	50	100.0	0	46.7	30	88				
Acenaphthene	82	10	100.0	0	81.6	72	119				
N-Nitrosodi-n-propylamine	82	10	100.0	0	82.0	65	120				
Pentachlorophenol	88	50	100.0	0	87.8	78	122				
Phenol	39	10	100.0	0	39.0	35	66				
Pyrene	82	10	100.0	0	81.8	73	127				
Surr: 1,2-Dichlorobenzene-d4	65		100.0		65.0	41	103				
Surr: 2,4,6-Tribromophenol	87		100.0		86.7	55	137				
Surr: 2-Chlorophenol-d4	72		100.0		72.3	34	117				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 083676
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **LCS-27546** SampType: **LCS** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/11/2006** RunNo: **61990**
Client ID: **LCSW** Batch ID: **27546** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/11/2006** SeqNo: **917321**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorobiphenyl	76		100.0		75.9	49	114				
Surr: 2-Fluorophenol	56		100.0		56.2	24	74				
Surr: 4-Terphenyl-d14	93		100.0		93.2	42	138				
Surr: Nitrobenzene-d5	85		100.0		85.0	47	115				
Surr: Phenol-d5	39		100.0		39.5	16	63				

Sample ID: **MB-27546MS** SampType: **MS** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/11/2006** RunNo: **61990**
Client ID: **ZZZZZZ** Batch ID: **27546** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/11/2006** SeqNo: **917322**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	80	10	100.0	0	79.6	60	120				
1,4-Dichlorobenzene	70	10	100.0	0	70.1	56	103				
2,4-Dinitrotoluene	88	10	100.0	0	87.6	71	136				
2-Chlorophenol	68	10	100.0	0	68.1	59	107				
4-Chloro-3-methylphenol	83	50	100.0	0	82.8	72	126				
4-Nitrophenol	ND	50	100.0	0	49.3	30	88				
Acenaphthene	82	10	100.0	0	82.2	72	119				
N-Nitrosodi-n-propylamine	82	10	100.0	0	81.7	65	120				
Pentachlorophenol	88	50	100.0	0	87.6	78	122				
Phenol	40	10	100.0	0	39.5	35	66				
Pyrene	82	10	100.0	0	82.0	73	127				
Surr: 1,2-Dichlorobenzene-d4	66		100.0		66.0	41	103				
Surr: 2,4,6-Tribromophenol	89		100.0		88.9	55	137				
Surr: 2-Chlorophenol-d4	73		100.0		72.6	34	117				
Surr: 2-Fluorobiphenyl	76		100.0		76.4	49	114				
Surr: 2-Fluorophenol	57		100.0		56.6	24	74				
Surr: 4-Terphenyl-d14	97		100.0		96.9	42	138				
Surr: Nitrobenzene-d5	85		100.0		85.1	47	115				
Surr: Phenol-d5	40		100.0		39.7	16	63				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 083676
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **MB-27546MSD** SampType: **MSD** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/11/2006** RunNo: **61990**
Client ID: **ZZZZZZ** Batch ID: **27546** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/11/2006** SeqNo: **917323**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	83	10	100.0	0	83.0	60	120	79.64	4.16	30	
1,4-Dichlorobenzene	73	10	100.0	0	72.8	56	103	70.11	3.72	30	
2,4-Dinitrotoluene	94	10	100.0	0	93.8	71	136	87.56	6.86	30	
2-Chlorophenol	69	10	100.0	0	69.1	59	107	68.12	1.44	30	
4-Chloro-3-methylphenol	85	50	100.0	0	84.8	72	126	82.81	2.40	30	
4-Nitrophenol	53	50	100.0	0	52.8	30	88	49.34	6.87	30	
Acenaphthene	85	10	100.0	0	85.1	72	119	82.21	3.44	30	
N-Nitrosodi-n-propylamine	83	10	100.0	0	83.0	65	120	81.68	1.65	30	
Pentachlorophenol	94	50	100.0	0	93.9	78	122	87.60	6.96	30	
Phenol	40	10	100.0	0	40.0	35	66	39.52	1.26	30	
Pyrene	90	10	100.0	0	89.8	73	127	82.02	9.00	30	
Surr: 1,2-Dichlorobenzene-d4	71		100.0		70.6	41	103		0	30	
Surr: 2,4,6-Tribromophenol	95		100.0		94.8	55	137		0	30	
Surr: 2-Chlorophenol-d4	74		100.0		73.7	34	117		0	30	
Surr: 2-Fluorobiphenyl	81		100.0		80.8	49	114		0	30	
Surr: 2-Fluorophenol	57		100.0		56.8	24	74		0	30	
Surr: 4-Terphenyl-d14	95		100.0		95.0	42	138		0	30	
Surr: Nitrobenzene-d5	88		100.0		88.3	47	115		0	30	
Surr: Phenol-d5	40		100.0		40.3	16	63		0	30	

Sample ID: **083675-008DDUP** SampType: **DUP** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/11/2006** RunNo: **61990**
Client ID: **ZZZZZZ** Batch ID: **27546** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/11/2006** SeqNo: **917500**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	10						0	0	30	
1,2-Dichlorobenzene	ND	10						0	0	30	
1,3-Dichlorobenzene	ND	10						0	0	30	
1,4-Dichlorobenzene	ND	10						0	0	30	
2,4,5-Trichlorophenol	ND	10						0	0	30	
2,4,6-Trichlorophenol	ND	10						0	0	30	
2,4-Dichlorophenol	ND	10						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 083676
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **083675-008DDUP** SampType: **DUP** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/11/2006** RunNo: **61990**
Client ID: **ZZZZZZ** Batch ID: **27546** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/11/2006** SeqNo: **917500**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dimethylphenol	ND	10						0	0	30	
2,4-Dinitrophenol	ND	50						0	0	30	
2,4-Dinitrotoluene	ND	10						0	0	30	
2,6-Dinitrotoluene	ND	10						0	0	30	
2-Chloronaphthalene	ND	10						0	0	30	
2-Chlorophenol	ND	10						0	0	30	
2-Methylnaphthalene	ND	10						0	0	30	
2-Methylphenol	ND	10						0	0	30	
2-Nitroaniline	ND	50						0	0	30	
2-Nitrophenol	ND	10						0	0	30	
3,3´-Dichlorobenzidine	ND	20						0	0	30	
3-Nitroaniline	ND	50						0	0	30	
4,6-Dinitro-2-methylphenol	ND	50						0	0	30	
4-Bromophenyl-phenylether	ND	10						0	0	30	
4-Chloro-3-methylphenol	ND	50						0	0	30	
4-Chloroaniline	ND	20						0	0	30	
4-Chlorophenyl-phenylether	ND	10						0	0	30	
4-Methylphenol	ND	10						0	0	30	
4-Nitroaniline	ND	20						0	0	30	
4-Nitrophenol	ND	50						0	0	30	
Acenaphthene	ND	10						0	0	30	
Acenaphthylene	ND	10						0	0	30	
Anthracene	ND	10						0	0	30	
Benzidine (M)	ND	50						0	0	30	
Benzo(a)anthracene	ND	10						0	0	30	
Benzo(a)pyrene	ND	10						0	0	30	
Benzo(b)fluoranthene	ND	10						0	0	30	
Benzo(g,h,i)perylene	ND	10						0	0	30	
Benzo(k)fluoranthene	ND	10						0	0	30	
Benzoic acid	ND	50						0	0	30	
Benzyl alcohol	ND	20						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083676
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **083675-008DDUP** SampType: **DUP** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/11/2006** RunNo: **61990**
Client ID: **ZZZZZZ** Batch ID: **27546** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/11/2006** SeqNo: **917500**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bis(2-chloroethoxy)methane	ND	10						0	0	30	
Bis(2-chloroethyl)ether	ND	10						0	0	30	
Bis(2-chloroisopropyl)ether	ND	10						0	0	30	
Bis(2-ethylhexyl)phthalate	ND	10						0	0	30	
Butylbenzylphthalate	ND	10						0	0	30	
Chrysene	ND	10						0	0	30	
Di-n-butylphthalate	ND	10						0	0	30	
Di-n-octylphthalate	ND	10						0	0	30	
Dibenz(a,h)anthracene	ND	10						0	0	30	
Dibenzofuran	ND	10						0	0	30	
Diethylphthalate	ND	10						0	0	30	
Dimethylphthalate	ND	10						0	0	30	
Fluoranthene	ND	10						0	0	30	
Fluorene	ND	10						0	0	30	
Hexachlorobenzene	ND	10						0	0	30	
Hexachlorobutadiene	ND	20						0	0	30	
Hexachlorocyclopentadiene	ND	10						0	0	30	
Hexachloroethane	ND	10						0	0	30	
Indeno(1,2,3-cd)pyrene	ND	10						0	0	30	
Isophorone	ND	10						0	0	30	
N-Nitrosodi-n-propylamine	ND	10						0	0	30	
N-Nitrosodiphenylamine	ND	10						0	0	30	
Naphthalene	ND	10						0	0	30	
Nitrobenzene	ND	10						0	0	30	
Pentachlorophenol	ND	50						0	0	30	
Phenanthrene	ND	10						0	0	30	
Phenol	ND	10						0	0	30	
Pyrene	ND	10						0	0	30	
Surr: 1,2-Dichlorobenzene-d4	63		100.0		63.0	41	103		0	30	
Surr: 2,4,6-Tribromophenol	71		100.0		71.2	55	137		0	30	
Surr: 2-Chlorophenol-d4	62		100.0		62.4	34	117		0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 083676
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **083675-008DDUP** SampType: **DUP** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/11/2006** RunNo: **61990**
Client ID: **ZZZZZZ** Batch ID: **27546** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/11/2006** SeqNo: **917500**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorobiphenyl	69		100.0		69.2	49	114		0	30	
Surr: 2-Fluorophenol	38		100.0		37.9	24	74		0	30	
Surr: 4-Terphenyl-d14	85		100.0		85.2	42	138		0	30	
Surr: Nitrobenzene-d5	75		100.0		75.0	47	115		0	30	
Surr: Phenol-d5	24		100.0		23.9	16	63		0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CHAIN OF CUS. ODY RECORD

Pg ____ of ____

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: ____

Logged By: BM Date: 040806

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other: ____

Sample Condition Upon Receipt:
1. CHILLED 5.4°C Y☑ N☐ 4. SEALED Y☐ N☑
2. HEADSPACE (VOA) Y☐ N☑ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☐ N☑

Client: Nunyo & Moore
Attn: Scott Snyder
Address: 5710 Ruffin Rd
City: San Diego State: CA Zip Code: 92123
TEL: (858) 576-1000
FAX: (858) 576-9600

Project Name: I-5 Expansion Project #: 105812001 Sampler: (Printed Name) Matt Fuller (Signature)

Relinquished by: (Signature and Printed Name) Matt Fuller Date: 4/7/06 Time: 1505 Received by: (Signature and Printed Name) Date: 4/7/06 Time: 1505
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: M. Fuller
Print Name Date
Signature

Send Report To: Attn: Scott Snyder Co: Nunyo & Moore Address: 5710 Ruffin Rd City: SD State: CA Zip: 92123

Bill To: Attn: SAME as Co: Previous Address: ← City: ____ State: ____ Zip: ____

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.
Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested: 8081A (Pesticides), 8082 (PCB), 8260B (Volatiles), 8270C (BNA), 6010B (Total Metal), 8015B (GRO) / BTEX, 8015B (DRO), Total lead, 8015 TPH/D, 8270 SVOCs

SPECIFY APPROPRIATE MATRIX: SOIL, WATER, GROUND WATER, WASTEWATER

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / BTEX	8015B (DRO)	Total lead	8015 TPH/D	8270 SVOCs	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Type	PRESERVATION	REMARKS
	083672-001	NM03-B2-1.5	4-7-06	0850							X				X				E	1	JG	C	
	-002	NM03-B2-Trip		0900			X									X				2	VG	H	
	-003	NM03-B2-6.5		0907			X					X	X		X					1	TM	C	
	-004	NM03-B2-11.0		0920			X					X	X		X					1	TM	C	
	-005	NM03-B2-15.0		0938			X					X	X		X					1	TM	C	
	-006	NM03-B2-Equip		1000			X					X	X			X				8	VL C	HC	

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

April 17, 2006

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 083675

RE: I-5 Expansion, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on April 07, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

for

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: *17-Apr-06*

CLIENT: Ninyo & Moore
Project: I-5 Expansion, 105812001
Lab Order: 083675
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
083675-001A	NM03-B1-0.5	Soil	4/6/2006	4/7/2006	4/17/2006
083675-002A	NM03-B1-TRIP	Water	4/6/2006	4/7/2006	4/17/2006
083675-004A	NM03-B1-16.5	Soil	4/6/2006	4/7/2006	4/17/2006
083675-005A	NM03-B1-21.5	Soil	4/6/2006	4/7/2006	4/17/2006
083675-006A	NM03-B1-25.5	Soil	4/6/2006	4/7/2006	4/17/2006
083675-007A	NM03-B1-GW	Ground Water	4/6/2006	4/7/2006	4/17/2006
083675-007B	NM03-B1-GW	Ground Water	4/6/2006	4/7/2006	4/17/2006
083675-007C	NM03-B1-GW	Ground Water	4/6/2006	4/7/2006	4/17/2006
083675-007D	NM03-B1-GW	Ground Water	4/6/2006	4/7/2006	4/17/2006
083675-007E	NM03-B1-GW	Ground Water	4/6/2006	4/7/2006	4/17/2006
083675-008A	NM03-B1-Equip	Water	4/6/2006	4/7/2006	4/17/2006
083675-008B	NM03-B1-Equip	Water	4/6/2006	4/7/2006	4/17/2006
083675-008C	NM03-B1-Equip	Water	4/6/2006	4/7/2006	4/17/2006
083675-008D	NM03-B1-Equip	Water	4/6/2006	4/7/2006	4/17/2006
083675-008E	NM03-B1-Equip	Water	4/6/2006	4/7/2006	4/17/2006

Advanced Technology Laboratories
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CLIENT: Ninyo & Moore
Project: I-5 Expansion, 105812001
Lab Order: 083675

CASE NARRATIVE

Analytical Comments for EPA 6010B

RPD for Sample Duplicate (DUP) is outside criteria for sample 083643-014ADUP; however, the Laboratory Control Sample (LCS) validated the analytical batch.

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Advanced Technology Laboratories

Date: *17-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B1-0.5
Lab Order:	083675	**Collection Date:**	4/6/2006 9:10:00 AM
Project:	I-5 Expansion, 105812001		
Lab ID:	083675-001	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
LEAD BY ICP						
	EPA 3050M			**EPA 6010B**		
RunID: ICP5_060413B	QC Batch: 27548				PrepDate: 4/13/2006	Analyst: **RQ**
Lead	3.1	1.0		mg/Kg	1	4/13/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *17-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083675
Project: I-5 Expansion, 105812001
Lab ID: 083675-002

Client Sample ID: NM03-B1-TRIP
Collection Date: 4/6/2006 9:20:00 AM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060410A	QC Batch: Q06VW078			PrepDate:		Analyst: **HH**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	4/10/2006
1,1,1-Trichloroethane	ND	5.0		µg/L	1	4/10/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	4/10/2006
1,1,2-Trichloroethane	ND	5.0		µg/L	1	4/10/2006
1,1-Dichloroethane	ND	5.0		µg/L	1	4/10/2006
1,1-Dichloroethene	ND	5.0		µg/L	1	4/10/2006
1,1-Dichloropropene	ND	5.0		µg/L	1	4/10/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/L	1	4/10/2006
1,2,3-Trichloropropane	ND	5.0		µg/L	1	4/10/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	4/10/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/L	1	4/10/2006
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	4/10/2006
1,2-Dibromoethane	ND	5.0		µg/L	1	4/10/2006
1,2-Dichlorobenzene	ND	5.0		µg/L	1	4/10/2006
1,2-Dichloroethane	ND	5.0		µg/L	1	4/10/2006
1,2-Dichloropropane	ND	5.0		µg/L	1	4/10/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	4/10/2006
1,3-Dichlorobenzene	ND	5.0		µg/L	1	4/10/2006
1,3-Dichloropropane	ND	5.0		µg/L	1	4/10/2006
1,4-Dichlorobenzene	ND	5.0		µg/L	1	4/10/2006
2,2-Dichloropropane	ND	5.0		µg/L	1	4/10/2006
2-Chlorotoluene	ND	5.0		µg/L	1	4/10/2006
4-Chlorotoluene	ND	5.0		µg/L	1	4/10/2006
4-Isopropyltoluene	ND	5.0		µg/L	1	4/10/2006
Benzene	ND	5.0		µg/L	1	4/10/2006
Bromobenzene	ND	5.0		µg/L	1	4/10/2006
Bromodichloromethane	ND	5.0		µg/L	1	4/10/2006
Bromoform	ND	5.0		µg/L	1	4/10/2006
Bromomethane	ND	5.0		µg/L	1	4/10/2006
Carbon tetrachloride	ND	5.0		µg/L	1	4/10/2006
Chlorobenzene	ND	5.0		µg/L	1	4/10/2006
Chloroethane	ND	5.0		µg/L	1	4/10/2006
Chloroform	ND	5.0		µg/L	1	4/10/2006
Chloromethane	ND	5.0		µg/L	1	4/10/2006
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	4/10/2006
Dibromochloromethane	ND	5.0		µg/L	1	4/10/2006
Dibromomethane	ND	5.0		µg/L	1	4/10/2006
Dichlorodifluoromethane	ND	5.0		µg/L	1	4/10/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *17-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B1-TRIP
Lab Order:	083675	**Collection Date:**	4/6/2006 9:20:00 AM
Project:	I-5 Expansion, 105812001		
Lab ID:	083675-002	**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060410A	QC Batch:	Q06VW078			PrepDate:	Analyst: **HH**
Ethylbenzene	ND	5.0		µg/L	1	4/10/2006
Hexachlorobutadiene	ND	5.0		µg/L	1	4/10/2006
Isopropylbenzene	ND	5.0		µg/L	1	4/10/2006
m,p-Xylene	ND	10		µg/L	1	4/10/2006
Methylene chloride	ND	5.0		µg/L	1	4/10/2006
n-Butylbenzene	ND	5.0		µg/L	1	4/10/2006
n-Propylbenzene	ND	5.0		µg/L	1	4/10/2006
Naphthalene	ND	5.0		µg/L	1	4/10/2006
o-Xylene	ND	5.0		µg/L	1	4/10/2006
sec-Butylbenzene	ND	5.0		µg/L	1	4/10/2006
Styrene	ND	5.0		µg/L	1	4/10/2006
tert-Butylbenzene	ND	5.0		µg/L	1	4/10/2006
Tetrachloroethene	ND	5.0		µg/L	1	4/10/2006
Toluene	ND	5.0		µg/L	1	4/10/2006
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	4/10/2006
Trichloroethene	ND	5.0		µg/L	1	4/10/2006
Trichlorofluoromethane	ND	5.0		µg/L	1	4/10/2006
Vinyl chloride	ND	5.0		µg/L	1	4/10/2006
Surr: 1,2-Dichloroethane-d4	110	70-126		%REC	1	4/10/2006
Surr: 4-Bromofluorobenzene	92.1	63-134		%REC	1	4/10/2006
Surr: Dibromofluoromethane	112	73-124		%REC	1	4/10/2006
Surr: Toluene-d8	96.7	84-123		%REC	1	4/10/2006

Qualifiers:

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H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *17-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083675
Project: I-5 Expansion, 105812001
Lab ID: 083675-004

Client Sample ID: NM03-B1-16.5
Collection Date: 4/6/2006 9:48:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP6_060412C	QC Batch: 27558			PrepDate:	4/11/2006	Analyst: **RQ**
Antimony	ND	2.0		mg/Kg	1	4/12/2006
Arsenic	ND	1.0		mg/Kg	1	4/12/2006
Barium	150	1.0		mg/Kg	1	4/12/2006
Beryllium	ND	1.0		mg/Kg	1	4/12/2006
Cadmium	ND	1.0		mg/Kg	1	4/12/2006
Chromium	19	1.0		mg/Kg	1	4/12/2006
Cobalt	10	1.0		mg/Kg	1	4/12/2006
Copper	18	2.0		mg/Kg	1	4/12/2006
Lead	11	1.0		mg/Kg	1	4/12/2006
Molybdenum	ND	1.0		mg/Kg	1	4/12/2006
Nickel	11	1.0		mg/Kg	1	4/12/2006
Selenium	ND	1.0		mg/Kg	1	4/12/2006
Silver	ND	1.0		mg/Kg	1	4/12/2006
Thallium	ND	1.0		mg/Kg	1	4/12/2006
Vanadium	34	1.0		mg/Kg	1	4/12/2006
Zinc	70	1.0		mg/Kg	1	4/12/2006
DIESEL RANGE ORGANICS BY GC/FID						
	LUFT			**EPA 8015B(M)**		
RunID: GC7_BACK_060411A	QC Batch: 27557			PrepDate:	4/11/2006	Analyst: **CBR**
DRO	ND	10		mg/Kg	1	4/11/2006
Surr: p-Terphenyl	84.5	56-131		%REC	1	4/11/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC1_060410A	QC Batch: D06VS023			PrepDate:		Analyst: **TT**
GRO	ND	1.0		mg/Kg	1	4/10/2006
Surr: Bromofluorobenzene (FID)	73.7	42-138		%REC	1	4/10/2006
MERCURY BY COLD VAPOR TECHNIQUE						
	EPA 7471			**EPA 7471A**		
RunID: AA5_060412B	QC Batch: 27566			PrepDate:	4/12/2006	Analyst: **NS**
Mercury	ND	0.10		mg/Kg	1	4/12/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS1_060411A	QC Batch: P06VS063			PrepDate:		Analyst: **RK**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1	4/11/2006
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	4/11/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
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DO	Surrogate Diluted Out		

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Date: *17-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083675
Project: I-5 Expansion, 105812001
Lab ID: 083675-004

Client Sample ID: NM03-B1-16.5
Collection Date: 4/6/2006 9:48:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS1_060411A	QC Batch: P06VS063			PrepDate:		Analyst: **RK**
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	4/11/2006
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	4/11/2006
1,1-Dichloroethane	ND	5.0		µg/Kg	1	4/11/2006
1,1-Dichloroethene	ND	5.0		µg/Kg	1	4/11/2006
1,1-Dichloropropene	ND	5.0		µg/Kg	1	4/11/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1	4/11/2006
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1	4/11/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1	4/11/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1	4/11/2006
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1	4/11/2006
1,2-Dibromoethane	ND	5.0		µg/Kg	1	4/11/2006
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1	4/11/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	4/11/2006
1,2-Dichloropropane	ND	5.0		µg/Kg	1	4/11/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1	4/11/2006
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1	4/11/2006
1,3-Dichloropropane	ND	5.0		µg/Kg	1	4/11/2006
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1	4/11/2006
2,2-Dichloropropane	ND	5.0		µg/Kg	1	4/11/2006
2-Chlorotoluene	ND	5.0		µg/Kg	1	4/11/2006
4-Chlorotoluene	ND	5.0		µg/Kg	1	4/11/2006
4-Isopropyltoluene	ND	5.0		µg/Kg	1	4/11/2006
Benzene	ND	5.0		µg/Kg	1	4/11/2006
Bromobenzene	ND	5.0		µg/Kg	1	4/11/2006
Bromodichloromethane	ND	5.0		µg/Kg	1	4/11/2006
Bromoform	ND	5.0		µg/Kg	1	4/11/2006
Bromomethane	ND	5.0		µg/Kg	1	4/11/2006
Carbon tetrachloride	ND	5.0		µg/Kg	1	4/11/2006
Chlorobenzene	ND	5.0		µg/Kg	1	4/11/2006
Chloroethane	ND	5.0		µg/Kg	1	4/11/2006
Chloroform	ND	5.0		µg/Kg	1	4/11/2006
Chloromethane	ND	5.0		µg/Kg	1	4/11/2006
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	4/11/2006
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	4/11/2006
Dibromochloromethane	ND	5.0		µg/Kg	1	4/11/2006
Dibromomethane	ND	5.0		µg/Kg	1	4/11/2006
Dichlorodifluoromethane	ND	5.0		µg/Kg	1	4/11/2006
Ethylbenzene	ND	5.0		µg/Kg	1	4/11/2006

Qualifiers:

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Advanced Technology Laboratories

Date: *17-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083675
Project: I-5 Expansion, 105812001
Lab ID: 083675-004

Client Sample ID: NM03-B1-16.5
Collection Date: 4/6/2006 9:48:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 8260B						
RunID: MS1_060411A QC Batch: P06VS063 PrepDate: Analyst: **RK**						
Hexachlorobutadiene	ND	5.0		µg/Kg	1	4/11/2006
Isopropylbenzene	ND	5.0		µg/Kg	1	4/11/2006
m,p-Xylene	ND	10		µg/Kg	1	4/11/2006
Methylene chloride	ND	5.0		µg/Kg	1	4/11/2006
n-Butylbenzene	ND	5.0		µg/Kg	1	4/11/2006
n-Propylbenzene	ND	5.0		µg/Kg	1	4/11/2006
Naphthalene	ND	5.0		µg/Kg	1	4/11/2006
o-Xylene	ND	5.0		µg/Kg	1	4/11/2006
sec-Butylbenzene	ND	5.0		µg/Kg	1	4/11/2006
Styrene	ND	5.0		µg/Kg	1	4/11/2006
tert-Butylbenzene	ND	5.0		µg/Kg	1	4/11/2006
Tetrachloroethene	ND	5.0		µg/Kg	1	4/11/2006
Toluene	ND	5.0		µg/Kg	1	4/11/2006
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	4/11/2006
Trichloroethene	ND	5.0		µg/Kg	1	4/11/2006
Trichlorofluoromethane	ND	5.0		µg/Kg	1	4/11/2006
Vinyl chloride	ND	5.0		µg/Kg	1	4/11/2006
Surr: 1,2-Dichloroethane-d4	105	58-138		%REC	1	4/11/2006
Surr: 4-Bromofluorobenzene	104	74-130		%REC	1	4/11/2006
Surr: Dibromofluoromethane	106	58-135		%REC	1	4/11/2006
Surr: Toluene-d8	101	84-130		%REC	1	4/11/2006
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B **EPA 8270C**						
RunID: MS6_060411B QC Batch: 27549 PrepDate: 4/11/2006 Analyst: **EES**						
1,2,4-Trichlorobenzene	ND	330		µg/Kg	1	4/12/2006
1,2-Dichlorobenzene	ND	330		µg/Kg	1	4/12/2006
1,3-Dichlorobenzene	ND	330		µg/Kg	1	4/12/2006
1,4-Dichlorobenzene	ND	330		µg/Kg	1	4/12/2006
2,4,5-Trichlorophenol	ND	330		µg/Kg	1	4/12/2006
2,4,6-Trichlorophenol	ND	330		µg/Kg	1	4/12/2006
2,4-Dichlorophenol	ND	1600		µg/Kg	1	4/12/2006
2,4-Dimethylphenol	ND	330		µg/Kg	1	4/12/2006
2,4-Dinitrophenol	ND	1600		µg/Kg	1	4/12/2006
2,4-Dinitrotoluene	ND	330		µg/Kg	1	4/12/2006
2,6-Dinitrotoluene	ND	330		µg/Kg	1	4/12/2006
2-Chloronaphthalene	ND	330		µg/Kg	1	4/12/2006
2-Chlorophenol	ND	330		µg/Kg	1	4/12/2006

Qualifiers:

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Advanced Technology Laboratories

Date: *17-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083675
Project: I-5 Expansion, 105812001
Lab ID: 083675-004

Client Sample ID: NM03-B1-16.5
Collection Date: 4/6/2006 9:48:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS6_060411B	QC Batch: 27549				PrepDate: 4/11/2006	Analyst: **EES**
2-Methylnaphthalene	ND	330		µg/Kg	1	4/12/2006
2-Methylphenol	ND	330		µg/Kg	1	4/12/2006
2-Nitroaniline	ND	1600		µg/Kg	1	4/12/2006
2-Nitrophenol	ND	330		µg/Kg	1	4/12/2006
3,3´-Dichlorobenzidine	ND	660		µg/Kg	1	4/12/2006
3-Nitroaniline	ND	1600		µg/Kg	1	4/12/2006
4,6-Dinitro-2-methylphenol	ND	1600		µg/Kg	1	4/12/2006
4-Bromophenyl-phenylether	ND	330		µg/Kg	1	4/12/2006
4-Chloro-3-methylphenol	ND	660		µg/Kg	1	4/12/2006
4-Chloroaniline	ND	660		µg/Kg	1	4/12/2006
4-Chlorophenyl-phenylether	ND	330		µg/Kg	1	4/12/2006
4-Methylphenol	ND	330		µg/Kg	1	4/12/2006
4-Nitroaniline	ND	1600		µg/Kg	1	4/12/2006
4-Nitrophenol	ND	1600		µg/Kg	1	4/12/2006
Acenaphthene	ND	330		µg/Kg	1	4/12/2006
Acenaphthylene	ND	330		µg/Kg	1	4/12/2006
Anthracene	ND	330		µg/Kg	1	4/12/2006
Benzidine (M)	ND	1600		µg/Kg	1	4/12/2006
Benzo(a)anthracene	ND	330		µg/Kg	1	4/12/2006
Benzo(a)pyrene	ND	330		µg/Kg	1	4/12/2006
Benzo(b)fluoranthene	ND	330		µg/Kg	1	4/12/2006
Benzo(g,h,i)perylene	ND	330		µg/Kg	1	4/12/2006
Benzo(k)fluoranthene	ND	330		µg/Kg	1	4/12/2006
Benzoic acid	ND	1600		µg/Kg	1	4/12/2006
Benzyl alcohol	ND	660		µg/Kg	1	4/12/2006
Bis(2-chloroethoxy)methane	ND	330		µg/Kg	1	4/12/2006
Bis(2-chloroethyl)ether	ND	330		µg/Kg	1	4/12/2006
Bis(2-chloroisopropyl)ether	ND	330		µg/Kg	1	4/12/2006
Bis(2-ethylhexyl)phthalate	ND	330		µg/Kg	1	4/12/2006
Butylbenzylphthalate	ND	330		µg/Kg	1	4/12/2006
Chrysene	ND	330		µg/Kg	1	4/12/2006
Di-n-butylphthalate	ND	330		µg/Kg	1	4/12/2006
Di-n-octylphthalate	ND	330		µg/Kg	1	4/12/2006
Dibenz(a,h)anthracene	ND	330		µg/Kg	1	4/12/2006
Dibenzofuran	ND	330		µg/Kg	1	4/12/2006
Diethylphthalate	ND	330		µg/Kg	1	4/12/2006
Dimethylphthalate	ND	330		µg/Kg	1	4/12/2006
Fluoranthene	ND	330		µg/Kg	1	4/12/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *17-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B1-16.5
Lab Order:	083675	**Collection Date:**	4/6/2006 9:48:00 AM
Project:	I-5 Expansion, 105812001		
Lab ID:	083675-004	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS6_060411B	QC Batch: 27549				PrepDate: 4/11/2006	Analyst: **EES**
Fluorene	ND	330		µg/Kg	1	4/12/2006
Hexachlorobenzene	ND	330		µg/Kg	1	4/12/2006
Hexachlorobutadiene	ND	660		µg/Kg	1	4/12/2006
Hexachlorocyclopentadiene	ND	660		µg/Kg	1	4/12/2006
Hexachloroethane	ND	330		µg/Kg	1	4/12/2006
Indeno(1,2,3-cd)pyrene	ND	330		µg/Kg	1	4/12/2006
Isophorone	ND	330		µg/Kg	1	4/12/2006
N-Nitrosodi-n-propylamine	ND	330		µg/Kg	1	4/12/2006
N-Nitrosodiphenylamine	ND	330		µg/Kg	1	4/12/2006
Naphthalene	ND	330		µg/Kg	1	4/12/2006
Nitrobenzene	ND	330		µg/Kg	1	4/12/2006
Pentachlorophenol	ND	1600		µg/Kg	1	4/12/2006
Phenanthrene	ND	330		µg/Kg	1	4/12/2006
Phenol	ND	330		µg/Kg	1	4/12/2006
Pyrene	ND	330		µg/Kg	1	4/12/2006
Surr: 1,2-Dichlorobenzene-d4	81.4	46-105		%REC	1	4/12/2006
Surr: 2,4,6-Tribromophenol	90.8	46-146		%REC	1	4/12/2006
Surr: 2-Chlorophenol-d4	80.2	48-117		%REC	1	4/12/2006
Surr: 2-Fluorobiphenyl	86.7	54-112		%REC	1	4/12/2006
Surr: 2-Fluorophenol	82.9	45-119		%REC	1	4/12/2006
Surr: 4-Terphenyl-d14	111	46-135		%REC	1	4/12/2006
Surr: Nitrobenzene-d5	87.9	40-116		%REC	1	4/12/2006
Surr: Phenol-d5	80.6	37-127		%REC	1	4/12/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *17-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083675
Project: I-5 Expansion, 105812001
Lab ID: 083675-005

Client Sample ID: NM03-B1-21.5
Collection Date: 4/6/2006 10:02:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP6_060412C	QC Batch: 27558			PrepDate:	4/11/2006	Analyst: **RQ**
Antimony	ND	2.0		mg/Kg	1	4/12/2006
Arsenic	ND	1.0		mg/Kg	1	4/12/2006
Barium	32	1.0		mg/Kg	1	4/12/2006
Beryllium	ND	1.0		mg/Kg	1	4/12/2006
Cadmium	ND	1.0		mg/Kg	1	4/12/2006
Chromium	7.4	1.0		mg/Kg	1	4/12/2006
Cobalt	2.5	1.0		mg/Kg	1	4/12/2006
Copper	4.0	2.0		mg/Kg	1	4/12/2006
Lead	3.6	1.0		mg/Kg	1	4/12/2006
Molybdenum	ND	1.0		mg/Kg	1	4/12/2006
Nickel	3.6	1.0		mg/Kg	1	4/12/2006
Selenium	ND	1.0		mg/Kg	1	4/12/2006
Silver	ND	1.0		mg/Kg	1	4/12/2006
Thallium	ND	1.0		mg/Kg	1	4/12/2006
Vanadium	17	1.0		mg/Kg	1	4/12/2006
Zinc	18	1.0		mg/Kg	1	4/12/2006
DIESEL RANGE ORGANICS BY GC/FID						
	LUFT			**EPA 8015B(M)**		
RunID: GC7_BACK_060411A	QC Batch: 27557			PrepDate:	4/11/2006	Analyst: **CBR**
DRO	ND	10		mg/Kg	1	4/11/2006
Surr: p-Terphenyl	84.4	56-131		%REC	1	4/11/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC1_060410A	QC Batch: D06VS023			PrepDate:		Analyst: **TT**
GRO	ND	1.0		mg/Kg	1	4/10/2006
Surr: Bromofluorobenzene (FID)	70.9	42-138		%REC	1	4/10/2006
MERCURY BY COLD VAPOR TECHNIQUE						
	EPA 7471			**EPA 7471A**		
RunID: AA5_060412B	QC Batch: 27566			PrepDate:	4/12/2006	Analyst: **NS**
Mercury	ND	0.10		mg/Kg	1	4/12/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS1_060411A	QC Batch: P06VS063			PrepDate:		Analyst: **RK**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1	4/11/2006
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	4/11/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *17-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B1-21.5
Lab Order:	083675	**Collection Date:**	4/6/2006 10:02:00 AM
Project:	I-5 Expansion, 105812001		
Lab ID:	083675-005	**Matrix:**	SOIL

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS1_060411A QC Batch: P06VS063 PrepDate: Analyst: **RK**

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	4/11/2006
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	4/11/2006
1,1-Dichloroethane	ND	5.0		µg/Kg	1	4/11/2006
1,1-Dichloroethene	ND	5.0		µg/Kg	1	4/11/2006
1,1-Dichloropropene	ND	5.0		µg/Kg	1	4/11/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1	4/11/2006
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1	4/11/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1	4/11/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1	4/11/2006
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1	4/11/2006
1,2-Dibromoethane	ND	5.0		µg/Kg	1	4/11/2006
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1	4/11/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	4/11/2006
1,2-Dichloropropane	ND	5.0		µg/Kg	1	4/11/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1	4/11/2006
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1	4/11/2006
1,3-Dichloropropane	ND	5.0		µg/Kg	1	4/11/2006
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1	4/11/2006
2,2-Dichloropropane	ND	5.0		µg/Kg	1	4/11/2006
2-Chlorotoluene	ND	5.0		µg/Kg	1	4/11/2006
4-Chlorotoluene	ND	5.0		µg/Kg	1	4/11/2006
4-Isopropyltoluene	ND	5.0		µg/Kg	1	4/11/2006
Benzene	ND	5.0		µg/Kg	1	4/11/2006
Bromobenzene	ND	5.0		µg/Kg	1	4/11/2006
Bromodichloromethane	ND	5.0		µg/Kg	1	4/11/2006
Bromoform	ND	5.0		µg/Kg	1	4/11/2006
Bromomethane	ND	5.0		µg/Kg	1	4/11/2006
Carbon tetrachloride	ND	5.0		µg/Kg	1	4/11/2006
Chlorobenzene	ND	5.0		µg/Kg	1	4/11/2006
Chloroethane	ND	5.0		µg/Kg	1	4/11/2006
Chloroform	ND	5.0		µg/Kg	1	4/11/2006
Chloromethane	ND	5.0		µg/Kg	1	4/11/2006
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	4/11/2006
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	4/11/2006
Dibromochloromethane	ND	5.0		µg/Kg	1	4/11/2006
Dibromomethane	ND	5.0		µg/Kg	1	4/11/2006
Dichlorodifluoromethane	ND	5.0		µg/Kg	1	4/11/2006
Ethylbenzene	ND	5.0		µg/Kg	1	4/11/2006

Qualifiers:

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H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: *17-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B1-21.5
Lab Order:	083675	**Collection Date:**	4/6/2006 10:02:00 AM
Project:	I-5 Expansion, 105812001		
Lab ID:	083675-005	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS1_060411A	QC Batch: P06VS063			PrepDate:		Analyst: **RK**
Hexachlorobutadiene	ND	5.0		µg/Kg	1	4/11/2006
Isopropylbenzene	ND	5.0		µg/Kg	1	4/11/2006
m,p-Xylene	ND	10		µg/Kg	1	4/11/2006
Methylene chloride	ND	5.0		µg/Kg	1	4/11/2006
n-Butylbenzene	ND	5.0		µg/Kg	1	4/11/2006
n-Propylbenzene	ND	5.0		µg/Kg	1	4/11/2006
Naphthalene	ND	5.0		µg/Kg	1	4/11/2006
o-Xylene	ND	5.0		µg/Kg	1	4/11/2006
sec-Butylbenzene	ND	5.0		µg/Kg	1	4/11/2006
Styrene	ND	5.0		µg/Kg	1	4/11/2006
tert-Butylbenzene	ND	5.0		µg/Kg	1	4/11/2006
Tetrachloroethene	ND	5.0		µg/Kg	1	4/11/2006
Toluene	ND	5.0		µg/Kg	1	4/11/2006
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	4/11/2006
Trichloroethene	ND	5.0		µg/Kg	1	4/11/2006
Trichlorofluoromethane	ND	5.0		µg/Kg	1	4/11/2006
Vinyl chloride	ND	5.0		µg/Kg	1	4/11/2006
Surr: 1,2-Dichloroethane-d4	113	58-138		%REC	1	4/11/2006
Surr: 4-Bromofluorobenzene	102	74-130		%REC	1	4/11/2006
Surr: Dibromofluoromethane	110	58-135		%REC	1	4/11/2006
Surr: Toluene-d8	101	84-130		%REC	1	4/11/2006
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
	EPA 3550B			**EPA 8270C**		
RunID: MS6_060411B	QC Batch: 27549			PrepDate:	4/11/2006	Analyst: **EES**
1,2,4-Trichlorobenzene	ND	330		µg/Kg	1	4/11/2006
1,2-Dichlorobenzene	ND	330		µg/Kg	1	4/11/2006
1,3-Dichlorobenzene	ND	330		µg/Kg	1	4/11/2006
1,4-Dichlorobenzene	ND	330		µg/Kg	1	4/11/2006
2,4,5-Trichlorophenol	ND	330		µg/Kg	1	4/11/2006
2,4,6-Trichlorophenol	ND	330		µg/Kg	1	4/11/2006
2,4-Dichlorophenol	ND	1600		µg/Kg	1	4/11/2006
2,4-Dimethylphenol	ND	330		µg/Kg	1	4/11/2006
2,4-Dinitrophenol	ND	1600		µg/Kg	1	4/11/2006
2,4-Dinitrotoluene	ND	330		µg/Kg	1	4/11/2006
2,6-Dinitrotoluene	ND	330		µg/Kg	1	4/11/2006
2-Chloronaphthalene	ND	330		µg/Kg	1	4/11/2006
2-Chlorophenol	ND	330		µg/Kg	1	4/11/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *17-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083675
Project: I-5 Expansion, 105812001
Lab ID: 083675-005

Client Sample ID: NM03-B1-21.5
Collection Date: 4/6/2006 10:02:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS6_060411B	QC Batch: 27549				PrepDate: 4/11/2006	Analyst: **EES**
2-Methylnaphthalene	ND	330		µg/Kg	1	4/11/2006
2-Methylphenol	ND	330		µg/Kg	1	4/11/2006
2-Nitroaniline	ND	1600		µg/Kg	1	4/11/2006
2-Nitrophenol	ND	330		µg/Kg	1	4/11/2006
3,3´-Dichlorobenzidine	ND	660		µg/Kg	1	4/11/2006
3-Nitroaniline	ND	1600		µg/Kg	1	4/11/2006
4,6-Dinitro-2-methylphenol	ND	1600		µg/Kg	1	4/11/2006
4-Bromophenyl-phenylether	ND	330		µg/Kg	1	4/11/2006
4-Chloro-3-methylphenol	ND	660		µg/Kg	1	4/11/2006
4-Chloroaniline	ND	660		µg/Kg	1	4/11/2006
4-Chlorophenyl-phenylether	ND	330		µg/Kg	1	4/11/2006
4-Methylphenol	ND	330		µg/Kg	1	4/11/2006
4-Nitroaniline	ND	1600		µg/Kg	1	4/11/2006
4-Nitrophenol	ND	1600		µg/Kg	1	4/11/2006
Acenaphthene	ND	330		µg/Kg	1	4/11/2006
Acenaphthylene	ND	330		µg/Kg	1	4/11/2006
Anthracene	ND	330		µg/Kg	1	4/11/2006
Benzidine (M)	ND	1600		µg/Kg	1	4/11/2006
Benzo(a)anthracene	ND	330		µg/Kg	1	4/11/2006
Benzo(a)pyrene	ND	330		µg/Kg	1	4/11/2006
Benzo(b)fluoranthene	ND	330		µg/Kg	1	4/11/2006
Benzo(g,h,i)perylene	ND	330		µg/Kg	1	4/11/2006
Benzo(k)fluoranthene	ND	330		µg/Kg	1	4/11/2006
Benzoic acid	ND	1600		µg/Kg	1	4/11/2006
Benzyl alcohol	ND	660		µg/Kg	1	4/11/2006
Bis(2-chloroethoxy)methane	ND	330		µg/Kg	1	4/11/2006
Bis(2-chloroethyl)ether	ND	330		µg/Kg	1	4/11/2006
Bis(2-chloroisopropyl)ether	ND	330		µg/Kg	1	4/11/2006
Bis(2-ethylhexyl)phthalate	ND	330		µg/Kg	1	4/11/2006
Butylbenzylphthalate	ND	330		µg/Kg	1	4/11/2006
Chrysene	ND	330		µg/Kg	1	4/11/2006
Di-n-butylphthalate	ND	330		µg/Kg	1	4/11/2006
Di-n-octylphthalate	ND	330		µg/Kg	1	4/11/2006
Dibenz(a,h)anthracene	ND	330		µg/Kg	1	4/11/2006
Dibenzofuran	ND	330		µg/Kg	1	4/11/2006
Diethylphthalate	ND	330		µg/Kg	1	4/11/2006
Dimethylphthalate	ND	330		µg/Kg	1	4/11/2006
Fluoranthene	ND	330		µg/Kg	1	4/11/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *17-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B1-21.5
Lab Order:	083675	**Collection Date:**	4/6/2006 10:02:00 AM
Project:	I-5 Expansion, 105812001		
Lab ID:	083675-005	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS6_060411B	QC Batch: 27549				PrepDate: 4/11/2006	Analyst: **EES**
Fluorene	ND	330		µg/Kg	1	4/11/2006
Hexachlorobenzene	ND	330		µg/Kg	1	4/11/2006
Hexachlorobutadiene	ND	660		µg/Kg	1	4/11/2006
Hexachlorocyclopentadiene	ND	660		µg/Kg	1	4/11/2006
Hexachloroethane	ND	330		µg/Kg	1	4/11/2006
Indeno(1,2,3-cd)pyrene	ND	330		µg/Kg	1	4/11/2006
Isophorone	ND	330		µg/Kg	1	4/11/2006
N-Nitrosodi-n-propylamine	ND	330		µg/Kg	1	4/11/2006
N-Nitrosodiphenylamine	ND	330		µg/Kg	1	4/11/2006
Naphthalene	ND	330		µg/Kg	1	4/11/2006
Nitrobenzene	ND	330		µg/Kg	1	4/11/2006
Pentachlorophenol	ND	1600		µg/Kg	1	4/11/2006
Phenanthrene	ND	330		µg/Kg	1	4/11/2006
Phenol	ND	330		µg/Kg	1	4/11/2006
Pyrene	ND	330		µg/Kg	1	4/11/2006
Surr: 1,2-Dichlorobenzene-d4	81.4	46-105		%REC	1	4/11/2006
Surr: 2,4,6-Tribromophenol	94.8	46-146		%REC	1	4/11/2006
Surr: 2-Chlorophenol-d4	81.9	48-117		%REC	1	4/11/2006
Surr: 2-Fluorobiphenyl	86.9	54-112		%REC	1	4/11/2006
Surr: 2-Fluorophenol	85.4	45-119		%REC	1	4/11/2006
Surr: 4-Terphenyl-d14	112	46-135		%REC	1	4/11/2006
Surr: Nitrobenzene-d5	90.3	40-116		%REC	1	4/11/2006
Surr: Phenol-d5	83.1	37-127		%REC	1	4/11/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *17-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083675
Project: I-5 Expansion, 105812001
Lab ID: 083675-006

Client Sample ID: NM03-B1-25.5
Collection Date: 4/6/2006 10:17:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP6_060412C	QC Batch: 27558			PrepDate:	4/11/2006	Analyst: **RQ**
Antimony	ND	2.0		mg/Kg	1	4/12/2006
Arsenic	ND	1.0		mg/Kg	1	4/12/2006
Barium	160	1.0		mg/Kg	1	4/12/2006
Beryllium	ND	1.0		mg/Kg	1	4/12/2006
Cadmium	ND	1.0		mg/Kg	1	4/12/2006
Chromium	6.1	1.0		mg/Kg	1	4/12/2006
Cobalt	1.9	1.0		mg/Kg	1	4/12/2006
Copper	4.5	2.0		mg/Kg	1	4/12/2006
Lead	1.9	1.0		mg/Kg	1	4/12/2006
Molybdenum	ND	1.0		mg/Kg	1	4/12/2006
Nickel	2.4	1.0		mg/Kg	1	4/12/2006
Selenium	ND	1.0		mg/Kg	1	4/12/2006
Silver	ND	1.0		mg/Kg	1	4/12/2006
Thallium	ND	1.0		mg/Kg	1	4/12/2006
Vanadium	14	1.0		mg/Kg	1	4/12/2006
Zinc	14	1.0		mg/Kg	1	4/12/2006
DIESEL RANGE ORGANICS BY GC/FID						
	LUFT			**EPA 8015B(M)**		
RunID: GC7_BACK_060411A	QC Batch: 27557			PrepDate:	4/11/2006	Analyst: **CBR**
DRO	ND	10		mg/Kg	1	4/11/2006
Surr: p-Terphenyl	85.0	56-131		%REC	1	4/11/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC1_060410A	QC Batch: D06VS023			PrepDate:		Analyst: **TT**
GRO	ND	1.0		mg/Kg	1	4/10/2006
Surr: Bromofluorobenzene (FID)	74.0	42-138		%REC	1	4/10/2006
MERCURY BY COLD VAPOR TECHNIQUE						
	EPA 7471			**EPA 7471A**		
RunID: AA5_060412B	QC Batch: 27566			PrepDate:	4/12/2006	Analyst: **NS**
Mercury	ND	0.10		mg/Kg	1	4/12/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS1_060411A	QC Batch: P06VS063			PrepDate:		Analyst: **RK**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1	4/11/2006
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	4/11/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *17-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083675
Project: I-5 Expansion, 105812001
Lab ID: 083675-006

Client Sample ID: NM03-B1-25.5
Collection Date: 4/6/2006 10:17:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS1_060411A	QC Batch: P06VS063			PrepDate:		Analyst: **RK**
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	4/11/2006
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	4/11/2006
1,1-Dichloroethane	ND	5.0		µg/Kg	1	4/11/2006
1,1-Dichloroethene	ND	5.0		µg/Kg	1	4/11/2006
1,1-Dichloropropene	ND	5.0		µg/Kg	1	4/11/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1	4/11/2006
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1	4/11/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1	4/11/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1	4/11/2006
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1	4/11/2006
1,2-Dibromoethane	ND	5.0		µg/Kg	1	4/11/2006
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1	4/11/2006
1,2-Dichloroethane	ND	5.0		µg/Kg	1	4/11/2006
1,2-Dichloropropane	ND	5.0		µg/Kg	1	4/11/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/Kg	1	4/11/2006
1,3-Dichlorobenzene	ND	5.0		µg/Kg	1	4/11/2006
1,3-Dichloropropane	ND	5.0		µg/Kg	1	4/11/2006
1,4-Dichlorobenzene	ND	5.0		µg/Kg	1	4/11/2006
2,2-Dichloropropane	ND	5.0		µg/Kg	1	4/11/2006
2-Chlorotoluene	ND	5.0		µg/Kg	1	4/11/2006
4-Chlorotoluene	ND	5.0		µg/Kg	1	4/11/2006
4-Isopropyltoluene	ND	5.0		µg/Kg	1	4/11/2006
Benzene	ND	5.0		µg/Kg	1	4/11/2006
Bromobenzene	ND	5.0		µg/Kg	1	4/11/2006
Bromodichloromethane	ND	5.0		µg/Kg	1	4/11/2006
Bromoform	ND	5.0		µg/Kg	1	4/11/2006
Bromomethane	ND	5.0		µg/Kg	1	4/11/2006
Carbon tetrachloride	ND	5.0		µg/Kg	1	4/11/2006
Chlorobenzene	ND	5.0		µg/Kg	1	4/11/2006
Chloroethane	ND	5.0		µg/Kg	1	4/11/2006
Chloroform	ND	5.0		µg/Kg	1	4/11/2006
Chloromethane	ND	5.0		µg/Kg	1	4/11/2006
cis-1,2-Dichloroethene	ND	5.0		µg/Kg	1	4/11/2006
cis-1,3-Dichloropropene	ND	5.0		µg/Kg	1	4/11/2006
Dibromochloromethane	ND	5.0		µg/Kg	1	4/11/2006
Dibromomethane	ND	5.0		µg/Kg	1	4/11/2006
Dichlorodifluoromethane	ND	5.0		µg/Kg	1	4/11/2006
Ethylbenzene	ND	5.0		µg/Kg	1	4/11/2006

Qualifiers:

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DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *17-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083675
Project: I-5 Expansion, 105812001
Lab ID: 083675-006

Client Sample ID: NM03-B1-25.5
Collection Date: 4/6/2006 10:17:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS1_060411A	QC Batch:	P06VS063		PrepDate:		Analyst: **RK**
Hexachlorobutadiene	ND	5.0		µg/Kg	1	4/11/2006
Isopropylbenzene	ND	5.0		µg/Kg	1	4/11/2006
m,p-Xylene	ND	10		µg/Kg	1	4/11/2006
Methylene chloride	ND	5.0		µg/Kg	1	4/11/2006
n-Butylbenzene	ND	5.0		µg/Kg	1	4/11/2006
n-Propylbenzene	ND	5.0		µg/Kg	1	4/11/2006
Naphthalene	ND	5.0		µg/Kg	1	4/11/2006
o-Xylene	ND	5.0		µg/Kg	1	4/11/2006
sec-Butylbenzene	ND	5.0		µg/Kg	1	4/11/2006
Styrene	ND	5.0		µg/Kg	1	4/11/2006
tert-Butylbenzene	ND	5.0		µg/Kg	1	4/11/2006
Tetrachloroethene	ND	5.0		µg/Kg	1	4/11/2006
Toluene	ND	5.0		µg/Kg	1	4/11/2006
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	4/11/2006
Trichloroethene	ND	5.0		µg/Kg	1	4/11/2006
Trichlorofluoromethane	ND	5.0		µg/Kg	1	4/11/2006
Vinyl chloride	ND	5.0		µg/Kg	1	4/11/2006
Surr: 1,2-Dichloroethane-d4	110	58-138		%REC	1	4/11/2006
Surr: 4-Bromofluorobenzene	104	74-130		%REC	1	4/11/2006
Surr: Dibromofluoromethane	107	58-135		%REC	1	4/11/2006
Surr: Toluene-d8	101	84-130		%REC	1	4/11/2006
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
	EPA 3550B			**EPA 8270C**		
RunID: MS6_060411B	QC Batch:	27549		PrepDate:	4/11/2006	Analyst: **EES**
1,2,4-Trichlorobenzene	ND	330		µg/Kg	1	4/12/2006
1,2-Dichlorobenzene	ND	330		µg/Kg	1	4/12/2006
1,3-Dichlorobenzene	ND	330		µg/Kg	1	4/12/2006
1,4-Dichlorobenzene	ND	330		µg/Kg	1	4/12/2006
2,4,5-Trichlorophenol	ND	330		µg/Kg	1	4/12/2006
2,4,6-Trichlorophenol	ND	330		µg/Kg	1	4/12/2006
2,4-Dichlorophenol	ND	1600		µg/Kg	1	4/12/2006
2,4-Dimethylphenol	ND	330		µg/Kg	1	4/12/2006
2,4-Dinitrophenol	ND	1600		µg/Kg	1	4/12/2006
2,4-Dinitrotoluene	ND	330		µg/Kg	1	4/12/2006
2,6-Dinitrotoluene	ND	330		µg/Kg	1	4/12/2006
2-Chloronaphthalene	ND	330		µg/Kg	1	4/12/2006
2-Chlorophenol	ND	330		µg/Kg	1	4/12/2006

Qualifiers:

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Advanced Technology Laboratories

Date: *17-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083675
Project: I-5 Expansion, 105812001
Lab ID: 083675-006

Client Sample ID: NM03-B1-25.5
Collection Date: 4/6/2006 10:17:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS6_060411B	QC Batch: 27549				PrepDate: 4/11/2006	Analyst: **EES**
2-Methylnaphthalene	ND	330		µg/Kg	1	4/12/2006
2-Methylphenol	ND	330		µg/Kg	1	4/12/2006
2-Nitroaniline	ND	1600		µg/Kg	1	4/12/2006
2-Nitrophenol	ND	330		µg/Kg	1	4/12/2006
3,3´-Dichlorobenzidine	ND	660		µg/Kg	1	4/12/2006
3-Nitroaniline	ND	1600		µg/Kg	1	4/12/2006
4,6-Dinitro-2-methylphenol	ND	1600		µg/Kg	1	4/12/2006
4-Bromophenyl-phenylether	ND	330		µg/Kg	1	4/12/2006
4-Chloro-3-methylphenol	ND	660		µg/Kg	1	4/12/2006
4-Chloroaniline	ND	660		µg/Kg	1	4/12/2006
4-Chlorophenyl-phenylether	ND	330		µg/Kg	1	4/12/2006
4-Methylphenol	ND	330		µg/Kg	1	4/12/2006
4-Nitroaniline	ND	1600		µg/Kg	1	4/12/2006
4-Nitrophenol	ND	1600		µg/Kg	1	4/12/2006
Acenaphthene	ND	330		µg/Kg	1	4/12/2006
Acenaphthylene	ND	330		µg/Kg	1	4/12/2006
Anthracene	ND	330		µg/Kg	1	4/12/2006
Benzidine (M)	ND	1600		µg/Kg	1	4/12/2006
Benzo(a)anthracene	ND	330		µg/Kg	1	4/12/2006
Benzo(a)pyrene	ND	330		µg/Kg	1	4/12/2006
Benzo(b)fluoranthene	ND	330		µg/Kg	1	4/12/2006
Benzo(g,h,i)perylene	ND	330		µg/Kg	1	4/12/2006
Benzo(k)fluoranthene	ND	330		µg/Kg	1	4/12/2006
Benzoic acid	ND	1600		µg/Kg	1	4/12/2006
Benzyl alcohol	ND	660		µg/Kg	1	4/12/2006
Bis(2-chloroethoxy)methane	ND	330		µg/Kg	1	4/12/2006
Bis(2-chloroethyl)ether	ND	330		µg/Kg	1	4/12/2006
Bis(2-chloroisopropyl)ether	ND	330		µg/Kg	1	4/12/2006
Bis(2-ethylhexyl)phthalate	ND	330		µg/Kg	1	4/12/2006
Butylbenzylphthalate	ND	330		µg/Kg	1	4/12/2006
Chrysene	ND	330		µg/Kg	1	4/12/2006
Di-n-butylphthalate	ND	330		µg/Kg	1	4/12/2006
Di-n-octylphthalate	ND	330		µg/Kg	1	4/12/2006
Dibenz(a,h)anthracene	ND	330		µg/Kg	1	4/12/2006
Dibenzofuran	ND	330		µg/Kg	1	4/12/2006
Diethylphthalate	ND	330		µg/Kg	1	4/12/2006
Dimethylphthalate	ND	330		µg/Kg	1	4/12/2006
Fluoranthene	ND	330		µg/Kg	1	4/12/2006

Qualifiers:

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S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *17-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B1-25.5
Lab Order:	083675	**Collection Date:**	4/6/2006 10:17:00 AM
Project:	I-5 Expansion, 105812001		
Lab ID:	083675-006	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3550B				**EPA 8270C**		
RunID: MS6_060411B	QC Batch: 27549				PrepDate: 4/11/2006	Analyst: **EES**
Fluorene	ND	330		µg/Kg	1	4/12/2006
Hexachlorobenzene	ND	330		µg/Kg	1	4/12/2006
Hexachlorobutadiene	ND	660		µg/Kg	1	4/12/2006
Hexachlorocyclopentadiene	ND	660		µg/Kg	1	4/12/2006
Hexachloroethane	ND	330		µg/Kg	1	4/12/2006
Indeno(1,2,3-cd)pyrene	ND	330		µg/Kg	1	4/12/2006
Isophorone	ND	330		µg/Kg	1	4/12/2006
N-Nitrosodi-n-propylamine	ND	330		µg/Kg	1	4/12/2006
N-Nitrosodiphenylamine	ND	330		µg/Kg	1	4/12/2006
Naphthalene	ND	330		µg/Kg	1	4/12/2006
Nitrobenzene	ND	330		µg/Kg	1	4/12/2006
Pentachlorophenol	ND	1600		µg/Kg	1	4/12/2006
Phenanthrene	ND	330		µg/Kg	1	4/12/2006
Phenol	ND	330		µg/Kg	1	4/12/2006
Pyrene	ND	330		µg/Kg	1	4/12/2006
Surr: 1,2-Dichlorobenzene-d4	77.9	46-105		%REC	1	4/12/2006
Surr: 2,4,6-Tribromophenol	84.6	46-146		%REC	1	4/12/2006
Surr: 2-Chlorophenol-d4	77.0	48-117		%REC	1	4/12/2006
Surr: 2-Fluorobiphenyl	84.1	54-112		%REC	1	4/12/2006
Surr: 2-Fluorophenol	80.0	45-119		%REC	1	4/12/2006
Surr: 4-Terphenyl-d14	105	46-135		%REC	1	4/12/2006
Surr: Nitrobenzene-d5	81.9	40-116		%REC	1	4/12/2006
Surr: Phenol-d5	78.8	37-127		%REC	1	4/12/2006

Qualifiers:

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S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: *17-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083675
Project: I-5 Expansion, 105812001
Lab ID: 083675-007

Client Sample ID: NM03-B1-GW
Collection Date: 4/6/2006 12:00:00 PM
Matrix: GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3010A			**EPA 6010B**		
RunID: ICP6_060411A	QC Batch: 27535			PrepDate:	4/10/2006	Analyst: **RQ**
Antimony	ND	0.0050		mg/L	1	4/11/2006
Arsenic	ND	0.010		mg/L	1	4/11/2006
Barium	7.7	0.0030		mg/L	1	4/11/2006
Beryllium	ND	0.0030		mg/L	1	4/11/2006
Cadmium	0.0045	0.0030		mg/L	1	4/11/2006
Chromium	0.60	0.0030		mg/L	1	4/11/2006
Cobalt	0.12	0.0030		mg/L	1	4/11/2006
Copper	0.11	0.0050		mg/L	1	4/11/2006
Lead	0.063	0.0050		mg/L	1	4/11/2006
Molybdenum	0.012	0.0050		mg/L	1	4/11/2006
Nickel	0.14	0.0050		mg/L	1	4/11/2006
Selenium	ND	0.010		mg/L	1	4/11/2006
Silver	ND	0.0030		mg/L	1	4/11/2006
Thallium	ND	0.015		mg/L	1	4/11/2006
Vanadium	0.40	0.0030		mg/L	1	4/11/2006
Zinc	0.39	0.010		mg/L	1	4/11/2006
DIESEL RANGE ORGANICS BY GC/FID						
	EPA 3510C			**EPA 8015B(M)**		
RunID: GC7_BACK_060412A	QC Batch: 27563			PrepDate:	4/12/2006	Analyst: **CBR**
DRO	ND	0.20		mg/L	1	4/12/2006
Surr: p-Terphenyl	68.5	32-125		%REC	1	4/12/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC6_060410A	QC Batch: I06VW092			PrepDate:		Analyst: **EA**
GRO	4.4	0.20		mg/L	1	4/10/2006
Surr: Bromofluorobenzene (FID)	101	76-125		%REC	1	4/10/2006
MERCURY BY COLD VAPOR TECHNIQUE						
	EPA 7470			**EPA 7470A**		
RunID: AA5_060411D	QC Batch: 27529			PrepDate:	4/11/2006	Analyst: **NS**
Mercury	ND	0.20		µg/L	1	4/11/2006
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
	EPA 3510C			**EPA 8270C**		
RunID: MS6_060411A	QC Batch: 27546			PrepDate:	4/11/2006	Analyst: **EES**
1,2,4-Trichlorobenzene	ND	10		µg/L	1	4/11/2006
1,2-Dichlorobenzene	ND	10		µg/L	1	4/11/2006

Qualifiers:

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Date: *17-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083675
Project: I-5 Expansion, 105812001
Lab ID: 083675-007

Client Sample ID: NM03-B1-GW
Collection Date: 4/6/2006 12:00:00 PM
Matrix: GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3510C				**EPA 8270C**		
RunID: MS6_060411A	QC Batch: 27546				PrepDate: 4/11/2006	Analyst: **EES**
1,3-Dichlorobenzene	ND	10		µg/L	1	4/11/2006
1,4-Dichlorobenzene	ND	10		µg/L	1	4/11/2006
2,4,5-Trichlorophenol	ND	10		µg/L	1	4/11/2006
2,4,6-Trichlorophenol	ND	10		µg/L	1	4/11/2006
2,4-Dichlorophenol	ND	10		µg/L	1	4/11/2006
2,4-Dimethylphenol	ND	10		µg/L	1	4/11/2006
2,4-Dinitrophenol	ND	50		µg/L	1	4/11/2006
2,4-Dinitrotoluene	ND	10		µg/L	1	4/11/2006
2,6-Dinitrotoluene	ND	10		µg/L	1	4/11/2006
2-Chloronaphthalene	ND	10		µg/L	1	4/11/2006
2-Chlorophenol	ND	10		µg/L	1	4/11/2006
2-Methylnaphthalene	ND	10		µg/L	1	4/11/2006
2-Methylphenol	ND	10		µg/L	1	4/11/2006
2-Nitroaniline	ND	50		µg/L	1	4/11/2006
2-Nitrophenol	ND	10		µg/L	1	4/11/2006
3,3´-Dichlorobenzidine	ND	20		µg/L	1	4/11/2006
3-Nitroaniline	ND	50		µg/L	1	4/11/2006
4,6-Dinitro-2-methylphenol	ND	50		µg/L	1	4/11/2006
4-Bromophenyl-phenylether	ND	10		µg/L	1	4/11/2006
4-Chloro-3-methylphenol	ND	50		µg/L	1	4/11/2006
4-Chloroaniline	ND	20		µg/L	1	4/11/2006
4-Chlorophenyl-phenylether	ND	10		µg/L	1	4/11/2006
4-Methylphenol	ND	10		µg/L	1	4/11/2006
4-Nitroaniline	ND	20		µg/L	1	4/11/2006
4-Nitrophenol	ND	50		µg/L	1	4/11/2006
Acenaphthene	ND	10		µg/L	1	4/11/2006
Acenaphthylene	ND	10		µg/L	1	4/11/2006
Anthracene	ND	10		µg/L	1	4/11/2006
Benzidine (M)	ND	50		µg/L	1	4/11/2006
Benzo(a)anthracene	ND	10		µg/L	1	4/11/2006
Benzo(a)pyrene	ND	10		µg/L	1	4/11/2006
Benzo(b)fluoranthene	ND	10		µg/L	1	4/11/2006
Benzo(g,h,i)perylene	ND	10		µg/L	1	4/11/2006
Benzo(k)fluoranthene	ND	10		µg/L	1	4/11/2006
Benzoic acid	ND	50		µg/L	1	4/11/2006
Benzyl alcohol	ND	20		µg/L	1	4/11/2006
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	4/11/2006
Bis(2-chloroethyl)ether	ND	10		µg/L	1	4/11/2006

Qualifiers:

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Project: I-5 Expansion, 105812001
Lab ID: 083675-007

Client Sample ID: NM03-B1-GW
Collection Date: 4/6/2006 12:00:00 PM
Matrix: GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3510C				**EPA 8270C**		
RunID: MS6_060411A	QC Batch: 27546			PrepDate:	4/11/2006	Analyst: **EES**
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	4/11/2006
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	4/11/2006
Butylbenzylphthalate	ND	10		µg/L	1	4/11/2006
Chrysene	ND	10		µg/L	1	4/11/2006
Di-n-butylphthalate	ND	10		µg/L	1	4/11/2006
Di-n-octylphthalate	ND	10		µg/L	1	4/11/2006
Dibenz(a,h)anthracene	ND	10		µg/L	1	4/11/2006
Dibenzofuran	ND	10		µg/L	1	4/11/2006
Diethylphthalate	ND	10		µg/L	1	4/11/2006
Dimethylphthalate	ND	10		µg/L	1	4/11/2006
Fluoranthene	ND	10		µg/L	1	4/11/2006
Fluorene	ND	10		µg/L	1	4/11/2006
Hexachlorobenzene	ND	10		µg/L	1	4/11/2006
Hexachlorobutadiene	ND	20		µg/L	1	4/11/2006
Hexachlorocyclopentadiene	ND	10		µg/L	1	4/11/2006
Hexachloroethane	ND	10		µg/L	1	4/11/2006
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	4/11/2006
Isophorone	ND	10		µg/L	1	4/11/2006
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	4/11/2006
N-Nitrosodiphenylamine	ND	10		µg/L	1	4/11/2006
Naphthalene	ND	10		µg/L	1	4/11/2006
Nitrobenzene	ND	10		µg/L	1	4/11/2006
Pentachlorophenol	ND	50		µg/L	1	4/11/2006
Phenanthrene	ND	10		µg/L	1	4/11/2006
Phenol	ND	10		µg/L	1	4/11/2006
Pyrene	ND	10		µg/L	1	4/11/2006
Surr: 1,2-Dichlorobenzene-d4	63.1	41-103		%REC	1	4/11/2006
Surr: 2,4,6-Tribromophenol	75.7	55-137		%REC	1	4/11/2006
Surr: 2-Chlorophenol-d4	61.6	34-117		%REC	1	4/11/2006
Surr: 2-Fluorobiphenyl	67.8	49-114		%REC	1	4/11/2006
Surr: 2-Fluorophenol	40.0	24-74		%REC	1	4/11/2006
Surr: 4-Terphenyl-d14	76.6	42-138		%REC	1	4/11/2006
Surr: Nitrobenzene-d5	71.2	47-115		%REC	1	4/11/2006
Surr: Phenol-d5	25.9	16-63		%REC	1	4/11/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060410A	QC Batch: Q06VW078			PrepDate:		Analyst: **HH**

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *17-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083675
Project: I-5 Expansion, 105812001
Lab ID: 083675-007

Client Sample ID: NM03-B1-GW
Collection Date: 4/6/2006 12:00:00 PM
Matrix: GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060410A	QC Batch: Q06VW078			PrepDate:		Analyst: **HH**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	4/10/2006
1,1,1-Trichloroethane	ND	5.0		µg/L	1	4/10/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	4/10/2006
1,1,2-Trichloroethane	ND	5.0		µg/L	1	4/10/2006
1,1-Dichloroethane	ND	5.0		µg/L	1	4/10/2006
1,1-Dichloroethene	ND	5.0		µg/L	1	4/10/2006
1,1-Dichloropropene	ND	5.0		µg/L	1	4/10/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/L	1	4/10/2006
1,2,3-Trichloropropane	ND	5.0		µg/L	1	4/10/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	4/10/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/L	1	4/10/2006
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	4/10/2006
1,2-Dibromoethane	ND	5.0		µg/L	1	4/10/2006
1,2-Dichlorobenzene	ND	5.0		µg/L	1	4/10/2006
1,2-Dichloroethane	ND	5.0		µg/L	1	4/10/2006
1,2-Dichloropropane	ND	5.0		µg/L	1	4/10/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	4/10/2006
1,3-Dichlorobenzene	ND	5.0		µg/L	1	4/10/2006
1,3-Dichloropropane	ND	5.0		µg/L	1	4/10/2006
1,4-Dichlorobenzene	ND	5.0		µg/L	1	4/10/2006
2,2-Dichloropropane	ND	5.0		µg/L	1	4/10/2006
2-Chlorotoluene	ND	5.0		µg/L	1	4/10/2006
4-Chlorotoluene	ND	5.0		µg/L	1	4/10/2006
4-Isopropyltoluene	ND	5.0		µg/L	1	4/10/2006
Benzene	ND	5.0		µg/L	1	4/10/2006
Bromobenzene	ND	5.0		µg/L	1	4/10/2006
Bromodichloromethane	ND	5.0		µg/L	1	4/10/2006
Bromoform	ND	5.0		µg/L	1	4/10/2006
Bromomethane	ND	5.0		µg/L	1	4/10/2006
Carbon tetrachloride	ND	5.0		µg/L	1	4/10/2006
Chlorobenzene	ND	5.0		µg/L	1	4/10/2006
Chloroethane	ND	5.0		µg/L	1	4/10/2006
Chloroform	ND	5.0		µg/L	1	4/10/2006
Chloromethane	ND	5.0		µg/L	1	4/10/2006
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	4/10/2006
Dibromochloromethane	ND	5.0		µg/L	1	4/10/2006
Dibromomethane	ND	5.0		µg/L	1	4/10/2006
Dichlorodifluoromethane	ND	5.0		µg/L	1	4/10/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *17-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B1-GW
Lab Order:	083675	**Collection Date:**	4/6/2006 12:00:00 PM
Project:	I-5 Expansion, 105812001		
Lab ID:	083675-007	**Matrix:**	GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060410A	QC Batch:	Q06VW078			PrepDate:	Analyst: **HH**
Ethylbenzene	ND	5.0		µg/L	1	4/10/2006
Hexachlorobutadiene	ND	5.0		µg/L	1	4/10/2006
Isopropylbenzene	ND	5.0		µg/L	1	4/10/2006
m,p-Xylene	ND	10		µg/L	1	4/10/2006
Methylene chloride	ND	5.0		µg/L	1	4/10/2006
n-Butylbenzene	ND	5.0		µg/L	1	4/10/2006
n-Propylbenzene	ND	5.0		µg/L	1	4/10/2006
Naphthalene	ND	5.0		µg/L	1	4/10/2006
o-Xylene	ND	5.0		µg/L	1	4/10/2006
sec-Butylbenzene	ND	5.0		µg/L	1	4/10/2006
Styrene	ND	5.0		µg/L	1	4/10/2006
tert-Butylbenzene	ND	5.0		µg/L	1	4/10/2006
Tetrachloroethene	ND	5.0		µg/L	1	4/10/2006
Toluene	ND	5.0		µg/L	1	4/10/2006
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	4/10/2006
Trichloroethene	ND	5.0		µg/L	1	4/10/2006
Trichlorofluoromethane	ND	5.0		µg/L	1	4/10/2006
Vinyl chloride	ND	5.0		µg/L	1	4/10/2006
Surr: 1,2-Dichloroethane-d4	126	70-126		%REC	1	4/10/2006
Surr: 4-Bromofluorobenzene	99.3	63-134		%REC	1	4/10/2006
Surr: Dibromofluoromethane	123	73-124		%REC	1	4/10/2006
Surr: Toluene-d8	113	84-123		%REC	1	4/10/2006

Qualifiers:

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H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *17-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B1-Equip
Lab Order:	083675	**Collection Date:**	4/6/2006 12:30:00 PM
Project:	I-5 Expansion, 105812001		
Lab ID:	083675-008	**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3010A			**EPA 6010B**		
RunID: ICP6_060411A	QC Batch: 27535			PrepDate:	4/10/2006	Analyst: **RQ**
Antimony	ND	0.0050		mg/L	1	4/11/2006
Arsenic	ND	0.010		mg/L	1	4/11/2006
Barium	ND	0.0030		mg/L	1	4/11/2006
Beryllium	ND	0.0030		mg/L	1	4/11/2006
Cadmium	ND	0.0030		mg/L	1	4/11/2006
Chromium	ND	0.0030		mg/L	1	4/11/2006
Cobalt	ND	0.0030		mg/L	1	4/11/2006
Copper	ND	0.0050		mg/L	1	4/11/2006
Lead	ND	0.0050		mg/L	1	4/11/2006
Molybdenum	ND	0.0050		mg/L	1	4/11/2006
Nickel	ND	0.0050		mg/L	1	4/11/2006
Selenium	ND	0.010		mg/L	1	4/11/2006
Silver	ND	0.0030		mg/L	1	4/11/2006
Thallium	ND	0.015		mg/L	1	4/11/2006
Vanadium	ND	0.0030		mg/L	1	4/11/2006
Zinc	ND	0.010		mg/L	1	4/11/2006
DIESEL RANGE ORGANICS BY GC/FID						
	EPA 3510C			**EPA 8015B(M)**		
RunID: GC7_BACK_060412A	QC Batch: 27563			PrepDate:	4/12/2006	Analyst: **CBR**
DRO	ND	0.20		mg/L	1	4/12/2006
Surr: p-Terphenyl	47.8	32-125		%REC	1	4/12/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC6_060411A	QC Batch: I06VW093			PrepDate:		Analyst: **EA**
GRO	ND	0.20		mg/L	1	4/11/2006
Surr: Bromofluorobenzene (FID)	100	76-125		%REC	1	4/11/2006
MERCURY BY COLD VAPOR TECHNIQUE						
	EPA 7470			**EPA 7470A**		
RunID: AA5_060411D	QC Batch: 27529			PrepDate:	4/11/2006	Analyst: **NS**
Mercury	ND	0.20		µg/L	1	4/11/2006
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
	EPA 3510C			**EPA 8270C**		
RunID: MS6_060411A	QC Batch: 27546			PrepDate:	4/11/2006	Analyst: **EES**
1,2,4-Trichlorobenzene	ND	10		µg/L	1	4/11/2006
1,2-Dichlorobenzene	ND	10		µg/L	1	4/11/2006

Qualifiers:

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H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *17-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083675
Project: I-5 Expansion, 105812001
Lab ID: 083675-008

Client Sample ID: NM03-B1-Equip
Collection Date: 4/6/2006 12:30:00 PM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3510C				**EPA 8270C**		
RunID: MS6_060411A	QC Batch: 27546				PrepDate: 4/11/2006	Analyst: **EES**
1,3-Dichlorobenzene	ND	10		µg/L	1	4/11/2006
1,4-Dichlorobenzene	ND	10		µg/L	1	4/11/2006
2,4,5-Trichlorophenol	ND	10		µg/L	1	4/11/2006
2,4,6-Trichlorophenol	ND	10		µg/L	1	4/11/2006
2,4-Dichlorophenol	ND	10		µg/L	1	4/11/2006
2,4-Dimethylphenol	ND	10		µg/L	1	4/11/2006
2,4-Dinitrophenol	ND	50		µg/L	1	4/11/2006
2,4-Dinitrotoluene	ND	10		µg/L	1	4/11/2006
2,6-Dinitrotoluene	ND	10		µg/L	1	4/11/2006
2-Chloronaphthalene	ND	10		µg/L	1	4/11/2006
2-Chlorophenol	ND	10		µg/L	1	4/11/2006
2-Methylnaphthalene	ND	10		µg/L	1	4/11/2006
2-Methylphenol	ND	10		µg/L	1	4/11/2006
2-Nitroaniline	ND	50		µg/L	1	4/11/2006
2-Nitrophenol	ND	10		µg/L	1	4/11/2006
3,3´-Dichlorobenzidine	ND	20		µg/L	1	4/11/2006
3-Nitroaniline	ND	50		µg/L	1	4/11/2006
4,6-Dinitro-2-methylphenol	ND	50		µg/L	1	4/11/2006
4-Bromophenyl-phenylether	ND	10		µg/L	1	4/11/2006
4-Chloro-3-methylphenol	ND	50		µg/L	1	4/11/2006
4-Chloroaniline	ND	20		µg/L	1	4/11/2006
4-Chlorophenyl-phenylether	ND	10		µg/L	1	4/11/2006
4-Methylphenol	ND	10		µg/L	1	4/11/2006
4-Nitroaniline	ND	20		µg/L	1	4/11/2006
4-Nitrophenol	ND	50		µg/L	1	4/11/2006
Acenaphthene	ND	10		µg/L	1	4/11/2006
Acenaphthylene	ND	10		µg/L	1	4/11/2006
Anthracene	ND	10		µg/L	1	4/11/2006
Benzidine (M)	ND	50		µg/L	1	4/11/2006
Benzo(a)anthracene	ND	10		µg/L	1	4/11/2006
Benzo(a)pyrene	ND	10		µg/L	1	4/11/2006
Benzo(b)fluoranthene	ND	10		µg/L	1	4/11/2006
Benzo(g,h,i)perylene	ND	10		µg/L	1	4/11/2006
Benzo(k)fluoranthene	ND	10		µg/L	1	4/11/2006
Benzoic acid	ND	50		µg/L	1	4/11/2006
Benzyl alcohol	ND	20		µg/L	1	4/11/2006
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	4/11/2006
Bis(2-chloroethyl)ether	ND	10		µg/L	1	4/11/2006

Qualifiers:

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H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *17-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083675
Project: I-5 Expansion, 105812001
Lab ID: 083675-008

Client Sample ID: NM03-B1-Equip
Collection Date: 4/6/2006 12:30:00 PM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 3510C				**EPA 8270C**		
RunID: MS6_060411A	QC Batch: 27546			PrepDate:	4/11/2006	Analyst: **EES**
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	4/11/2006
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	4/11/2006
Butylbenzylphthalate	ND	10		µg/L	1	4/11/2006
Chrysene	ND	10		µg/L	1	4/11/2006
Di-n-butylphthalate	ND	10		µg/L	1	4/11/2006
Di-n-octylphthalate	ND	10		µg/L	1	4/11/2006
Dibenz(a,h)anthracene	ND	10		µg/L	1	4/11/2006
Dibenzofuran	ND	10		µg/L	1	4/11/2006
Diethylphthalate	ND	10		µg/L	1	4/11/2006
Dimethylphthalate	ND	10		µg/L	1	4/11/2006
Fluoranthene	ND	10		µg/L	1	4/11/2006
Fluorene	ND	10		µg/L	1	4/11/2006
Hexachlorobenzene	ND	10		µg/L	1	4/11/2006
Hexachlorobutadiene	ND	20		µg/L	1	4/11/2006
Hexachlorocyclopentadiene	ND	10		µg/L	1	4/11/2006
Hexachloroethane	ND	10		µg/L	1	4/11/2006
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	4/11/2006
Isophorone	ND	10		µg/L	1	4/11/2006
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	4/11/2006
N-Nitrosodiphenylamine	ND	10		µg/L	1	4/11/2006
Naphthalene	ND	10		µg/L	1	4/11/2006
Nitrobenzene	ND	10		µg/L	1	4/11/2006
Pentachlorophenol	ND	50		µg/L	1	4/11/2006
Phenanthrene	ND	10		µg/L	1	4/11/2006
Phenol	ND	10		µg/L	1	4/11/2006
Pyrene	ND	10		µg/L	1	4/11/2006
Surr: 1,2-Dichlorobenzene-d4	55.6	41-103		%REC	1	4/11/2006
Surr: 2,4,6-Tribromophenol	73.5	55-137		%REC	1	4/11/2006
Surr: 2-Chlorophenol-d4	54.2	34-117		%REC	1	4/11/2006
Surr: 2-Fluorobiphenyl	63.5	49-114		%REC	1	4/11/2006
Surr: 2-Fluorophenol	32.6	24-74		%REC	1	4/11/2006
Surr: 4-Terphenyl-d14	73.7	42-138		%REC	1	4/11/2006
Surr: Nitrobenzene-d5	65.5	47-115		%REC	1	4/11/2006
Surr: Phenol-d5	20.9	16-63		%REC	1	4/11/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060410A	QC Batch: Q06VW078			PrepDate:		Analyst: **HH**

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *17-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083675
Project: I-5 Expansion, 105812001
Lab ID: 083675-008

Client Sample ID: NM03-B1-Equip
Collection Date: 4/6/2006 12:30:00 PM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060410A	QC Batch: Q06VW078			PrepDate:		Analyst: **HH**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	4/10/2006
1,1,1-Trichloroethane	ND	5.0		µg/L	1	4/10/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	4/10/2006
1,1,2-Trichloroethane	ND	5.0		µg/L	1	4/10/2006
1,1-Dichloroethane	ND	5.0		µg/L	1	4/10/2006
1,1-Dichloroethene	ND	5.0		µg/L	1	4/10/2006
1,1-Dichloropropene	ND	5.0		µg/L	1	4/10/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/L	1	4/10/2006
1,2,3-Trichloropropane	ND	5.0		µg/L	1	4/10/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	4/10/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/L	1	4/10/2006
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	4/10/2006
1,2-Dibromoethane	ND	5.0		µg/L	1	4/10/2006
1,2-Dichlorobenzene	ND	5.0		µg/L	1	4/10/2006
1,2-Dichloroethane	ND	5.0		µg/L	1	4/10/2006
1,2-Dichloropropane	ND	5.0		µg/L	1	4/10/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	4/10/2006
1,3-Dichlorobenzene	ND	5.0		µg/L	1	4/10/2006
1,3-Dichloropropane	ND	5.0		µg/L	1	4/10/2006
1,4-Dichlorobenzene	ND	5.0		µg/L	1	4/10/2006
2,2-Dichloropropane	ND	5.0		µg/L	1	4/10/2006
2-Chlorotoluene	ND	5.0		µg/L	1	4/10/2006
4-Chlorotoluene	ND	5.0		µg/L	1	4/10/2006
4-Isopropyltoluene	ND	5.0		µg/L	1	4/10/2006
Benzene	ND	5.0		µg/L	1	4/10/2006
Bromobenzene	ND	5.0		µg/L	1	4/10/2006
Bromodichloromethane	ND	5.0		µg/L	1	4/10/2006
Bromoform	ND	5.0		µg/L	1	4/10/2006
Bromomethane	ND	5.0		µg/L	1	4/10/2006
Carbon tetrachloride	ND	5.0		µg/L	1	4/10/2006
Chlorobenzene	ND	5.0		µg/L	1	4/10/2006
Chloroethane	ND	5.0		µg/L	1	4/10/2006
Chloroform	ND	5.0		µg/L	1	4/10/2006
Chloromethane	ND	5.0		µg/L	1	4/10/2006
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	4/10/2006
Dibromochloromethane	ND	5.0		µg/L	1	4/10/2006
Dibromomethane	ND	5.0		µg/L	1	4/10/2006
Dichlorodifluoromethane	ND	5.0		µg/L	1	4/10/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Date: *17-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	NM03-B1-Equip
Lab Order:	083675	**Collection Date:**	4/6/2006 12:30:00 PM
Project:	I-5 Expansion, 105812001		
Lab ID:	083675-008	**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060410A	QC Batch:	Q06VW078			PrepDate:	Analyst: **HH**
Ethylbenzene	ND	5.0		µg/L	1	4/10/2006
Hexachlorobutadiene	ND	5.0		µg/L	1	4/10/2006
Isopropylbenzene	ND	5.0		µg/L	1	4/10/2006
m,p-Xylene	ND	10		µg/L	1	4/10/2006
Methylene chloride	ND	5.0		µg/L	1	4/10/2006
n-Butylbenzene	ND	5.0		µg/L	1	4/10/2006
n-Propylbenzene	ND	5.0		µg/L	1	4/10/2006
Naphthalene	ND	5.0		µg/L	1	4/10/2006
o-Xylene	ND	5.0		µg/L	1	4/10/2006
sec-Butylbenzene	ND	5.0		µg/L	1	4/10/2006
Styrene	ND	5.0		µg/L	1	4/10/2006
tert-Butylbenzene	ND	5.0		µg/L	1	4/10/2006
Tetrachloroethene	ND	5.0		µg/L	1	4/10/2006
Toluene	ND	5.0		µg/L	1	4/10/2006
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	4/10/2006
Trichloroethene	ND	5.0		µg/L	1	4/10/2006
Trichlorofluoromethane	ND	5.0		µg/L	1	4/10/2006
Vinyl chloride	ND	5.0		µg/L	1	4/10/2006
Surr: 1,2-Dichloroethane-d4	112	70-126		%REC	1	4/10/2006
Surr: 4-Bromofluorobenzene	89.6	63-134		%REC	1	4/10/2006
Surr: Dibromofluoromethane	109	73-124		%REC	1	4/10/2006
Surr: Toluene-d8	96.8	84-123		%REC	1	4/10/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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CLIENT: Ninyo & Moore
Work Order: 083675
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **MB-27558** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/11/2006** RunNo: **62040**
Client ID: **PBS** Batch ID: **27558** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **4/12/2006** SeqNo: **918014**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Cobalt	ND	1.0									
Copper	ND	2.0									
Lead	ND	1.0									
Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	ND	1.0									

Sample ID: **LCS-27558** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/11/2006** RunNo: **62040**
Client ID: **LCSS** Batch ID: **27558** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **4/12/2006** SeqNo: **918015**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	50	2.0	50.00	0	99.4	80	120				
Arsenic	48	1.0	50.00	0	96.6	80	120				
Barium	52	1.0	50.00	0	103	80	120				
Beryllium	49	1.0	50.00	0	98.2	80	120				
Cadmium	51	1.0	50.00	0	102	80	120				
Chromium	51	1.0	50.00	0	102	80	120				
Cobalt	49	1.0	50.00	0	97.5	80	120				
Copper	51	2.0	50.00	0	101	80	120				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083675
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **LCS-27558** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/11/2006** RunNo: **62040**
Client ID: **LCSS** Batch ID: **27558** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **4/12/2006** SeqNo: **918015**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	49	1.0	50.00	0	98.0	80	120				
Molybdenum	51	1.0	50.00	0	102	80	120				
Nickel	49	1.0	50.00	0	97.0	80	120				
Selenium	48	1.0	50.00	0	96.2	80	120				
Silver	49	1.0	50.00	0	98.6	80	120				
Thallium	49	1.0	50.00	0	98.7	80	120				
Vanadium	50	1.0	50.00	0	101	80	120				
Zinc	49	1.0	50.00	0	97.5	80	120				

Sample ID: **083643-014ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/11/2006** RunNo: **62040**
Client ID: **ZZZZZZ** Batch ID: **27558** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **4/12/2006** SeqNo: **918016**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0						0	0	20	
Arsenic	ND	1.0						0.7571	0	20	
Barium	45	1.0						46.89	5.00	20	
Beryllium	ND	1.0						0.1725	0	20	
Cadmium	ND	1.0						0.08391	0	20	
Chromium	16	1.0						16.03	0.536	20	
Cobalt	7.4	1.0						6.834	7.90	20	
Copper	6.6	2.0						6.478	1.23	20	
Lead	7.8	1.0						9.996	24.6	20	R
Molybdenum	ND	1.0						0	0	20	
Nickel	7.5	1.0						7.698	2.71	20	
Selenium	ND	1.0						0	0	20	
Silver	ND	1.0						0	0	20	
Thallium	ND	1.0						0	0	20	
Vanadium	35	1.0						39.92	11.8	20	
Zinc	25	1.0						25.14	0.711	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083675
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **083643-014AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/11/2006** RunNo: **62040**
Client ID: **ZZZZZZ** Batch ID: **27558** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **4/12/2006** SeqNo: **918018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	67	4.0	125.0	0	53.5	25	108				
Arsenic	99	2.0	125.0	0.7571	78.6	46	118				
Barium	170	2.0	125.0	46.89	95.8	32	131				
Beryllium	110	2.0	125.0	0.1725	85.5	59	104				
Cadmium	110	2.0	125.0	0.08391	87.9	63	105				
Chromium	130	2.0	125.0	16.03	88.6	49	116				
Cobalt	120	2.0	125.0	6.834	87.1	58	104				
Copper	120	4.0	125.0	6.478	91.4	54	126				
Lead	110	2.0	125.0	9.996	82.9	31	122				
Molybdenum	100	2.0	125.0	0	79.9	61	104				
Nickel	110	2.0	125.0	7.698	84.9	50	112				
Selenium	98	2.0	125.0	0	78.5	53	109				
Silver	100	2.0	125.0	0	83.1	41	121				
Thallium	100	2.0	125.0	0	82.1	54	100				
Vanadium	150	2.0	125.0	39.92	89.1	59	109				
Zinc	130	2.0	125.0	25.14	86.9	27	131				

Sample ID: **083643-014AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/11/2006** RunNo: **62040**
Client ID: **ZZZZZZ** Batch ID: **27558** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **4/12/2006** SeqNo: **918019**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	69	4.0	125.0	0	54.9	25	108	66.85	2.66	20	
Arsenic	100	2.0	125.0	0.7571	80.2	46	118	98.96	2.07	20	
Barium	170	2.0	125.0	46.89	101	32	131	166.6	4.15	20	
Beryllium	110	2.0	125.0	0.1725	89.7	59	104	107.0	4.82	20	
Cadmium	110	2.0	125.0	0.08391	90.1	63	105	110.0	2.44	20	
Chromium	130	2.0	125.0	16.03	92.9	49	116	126.8	4.14	20	
Cobalt	120	2.0	125.0	6.834	89.3	58	104	115.7	2.36	20	
Copper	130	4.0	125.0	6.478	95.6	54	126	120.7	4.28	20	
Lead	120	2.0	125.0	9.996	85.0	31	122	113.7	2.28	20	
Molybdenum	100	2.0	125.0	0	81.7	61	104	99.85	2.20	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
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Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **083643-014AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **4/11/2006** RunNo: **62040**
Client ID: **ZZZZZZ** Batch ID: **27558** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **4/12/2006** SeqNo: **918019**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	120	2.0	125.0	7.698	88.9	50	112	113.8	4.36	20	
Selenium	100	2.0	125.0	0	80.7	53	109	98.15	2.78	20	
Silver	110	2.0	125.0	0	86.7	41	121	103.8	4.24	20	
Thallium	100	2.0	125.0	0	83.6	54	100	102.7	1.79	20	
Vanadium	160	2.0	125.0	39.92	94.2	59	109	151.3	4.18	20	
Zinc	140	2.0	125.0	25.14	91.6	27	131	133.7	4.35	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083675
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **MB-27548A** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62133**
Client ID: **PBS** Batch ID: **27548** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919317**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID: **LCS-27548** SampType: **LCS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62133**
Client ID: **LCSS** Batch ID: **27548** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919318**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	270	1.0	250.0	0	107	80	120				

Sample ID: **083677-008ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62133**
Client ID: **ZZZZZZ** Batch ID: **27548** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919329**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.2	1.0						5.127	0.968	20	

Sample ID: **083677-008AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62133**
Client ID: **ZZZZZZ** Batch ID: **27548** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919330**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	230	1.0	250.0	5.127	90.7	31	122				

Sample ID: **MB-27548B** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62133**
Client ID: **PBS** Batch ID: **27548** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919331**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID: **083678-003ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62133**
Client ID: **ZZZZZZ** Batch ID: **27548** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919342**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interferenc	DO	Surrogate Diluted Out
	Calculations are based on raw values				

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Work Order: 083675
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **083678-003ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62133**
Client ID: **ZZZZZZ** Batch ID: **27548** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919342**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.5	1.0						4.650	16.9	20	

Sample ID: **083678-003AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62133**
Client ID: **ZZZZZZ** Batch ID: **27548** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919343**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	240	1.0	250.0	4.650	93.6	31	122				

Sample ID: **083678-003AMSD** SampType: **MSD** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62133**
Client ID: **ZZZZZZ** Batch ID: **27548** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919344**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	240	1.0	250.0	4.650	94.2	31	122	238.7	0.624	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083675
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_W

Sample ID: **MB-27535** SampType: **MBLK** TestCode: **6010_W** Units: **mg/L** Prep Date: **4/10/2006** RunNo: **61957**
Client ID: **PBW** Batch ID: **27535** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **4/11/2006** SeqNo: **916883**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	0.0050									
Arsenic	ND	0.010									
Barium	ND	0.0030									
Beryllium	ND	0.0030									
Cadmium	ND	0.0030									
Chromium	ND	0.0030									
Cobalt	ND	0.0030									
Copper	ND	0.0050									
Lead	ND	0.0050									
Molybdenum	ND	0.0050									
Nickel	ND	0.0050									
Selenium	ND	0.010									
Silver	ND	0.0030									
Thallium	ND	0.015									
Vanadium	ND	0.0030									
Zinc	ND	0.010									

Sample ID: **LCS-27535** SampType: **LCS** TestCode: **6010_W** Units: **mg/L** Prep Date: **4/10/2006** RunNo: **61957**
Client ID: **LCSW** Batch ID: **27535** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **4/11/2006** SeqNo: **916884**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	1.0	0.0050	1.000	0	104	85	115				
Arsenic	0.99	0.010	1.000	0	99.1	85	115				
Barium	1.0	0.0030	1.000	0	104	85	115				
Beryllium	1.0	0.0030	1.000	0	100	85	115				
Cadmium	1.0	0.0030	1.000	0	105	85	115				
Chromium	1.0	0.0030	1.000	0	102	85	115				
Cobalt	0.99	0.0030	1.000	0	98.6	85	115				
Copper	1.0	0.0050	1.000	0	103	85	115				
Lead	1.0	0.0050	1.000	0	101	85	115				
Molybdenum	1.0	0.0050	1.000	0	102	85	115				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083675
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_W

Sample ID: **LCS-27535** SampType: **LCS** TestCode: **6010_W** Units: **mg/L** Prep Date: **4/10/2006** RunNo: **61957**
Client ID: **LCSW** Batch ID: **27535** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **4/11/2006** SeqNo: **916884**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	0.99	0.0050	1.000	0	99.1	85	115				
Selenium	0.98	0.010	1.000	0	97.5	85	115				
Silver	1.0	0.0030	1.000	0	102	85	115				
Thallium	1.0	0.015	1.000	0	102	85	115				
Vanadium	1.0	0.0030	1.000	0	102	85	115				
Zinc	1.0	0.010	1.000	0	101	85	115				

Sample ID: **083628-001CDUP** SampType: **DUP** TestCode: **6010_W** Units: **mg/L** Prep Date: **4/10/2006** RunNo: **61957**
Client ID: **ZZZZZZ** Batch ID: **27535** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **4/11/2006** SeqNo: **916893**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	0.0050						0	0	20	
Arsenic	ND	0.010						0	0	20	
Barium	0.020	0.0030						0.01915	3.53	20	
Beryllium	ND	0.0030						0	0	20	
Cadmium	ND	0.0030						0	0	20	
Chromium	ND	0.0030						0.001221	0	20	
Cobalt	ND	0.0030						0	0	20	
Copper	0.0090	0.0050						0.008535	5.22	20	
Lead	ND	0.0050						0	0	20	
Molybdenum	ND	0.0050						0.002923	0	20	
Nickel	ND	0.0050						0	0	20	
Selenium	ND	0.010						0	0	20	
Silver	ND	0.0030						0	0	20	
Thallium	ND	0.015						0	0	20	
Vanadium	0.0036	0.0030						0.003434	5.92	20	
Zinc	0.063	0.010						0.05914	6.18	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Work Order: 083675
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_W

Sample ID: **083628-001CMS** SampType: **MS** TestCode: **6010_W** Units: **mg/L** Prep Date: **4/10/2006** RunNo: **61957**
Client ID: **ZZZZZZ** Batch ID: **27535** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **4/11/2006** SeqNo: **916894**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	2.4	0.0050	2.500	0	95.6	79	120				
Arsenic	2.3	0.010	2.500	0	90.8	77	122				
Barium	2.4	0.0030	2.500	0.01915	93.7	65	130				
Beryllium	2.3	0.0030	2.500	0	93.3	85	114				
Cadmium	2.4	0.0030	2.500	0	95.4	81	119				
Chromium	2.3	0.0030	2.500	0.001221	93.9	80	118				
Cobalt	2.3	0.0030	2.500	0	93.7	67	132				
Copper	2.4	0.0050	2.500	0.008535	96.0	84	122				
Lead	2.3	0.0050	2.500	0	91.8	78	118				
Molybdenum	2.4	0.0050	2.500	0.002923	94.1	86	116				
Nickel	2.3	0.0050	2.500	0	93.1	75	123				
Selenium	2.2	0.010	2.500	0	89.6	70	126				
Silver	2.3	0.0030	2.500	0	92.4	56	140				
Thallium	2.3	0.015	2.500	0	92.6	77	114				
Vanadium	2.4	0.0030	2.500	0.003434	94.6	77	123				
Zinc	2.3	0.010	2.500	0.05914	91.2	70	127				

Sample ID: **083628-001CMSD** SampType: **MSD** TestCode: **6010_W** Units: **mg/L** Prep Date: **4/10/2006** RunNo: **61957**
Client ID: **ZZZZZZ** Batch ID: **27535** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **4/11/2006** SeqNo: **916895**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	2.5	0.0050	2.500	0	100	79	120	2.389	4.88	20	
Arsenic	2.4	0.010	2.500	0	94.6	77	122	2.270	4.06	20	
Barium	2.5	0.0030	2.500	0.01915	97.8	65	130	2.362	4.26	20	
Beryllium	2.4	0.0030	2.500	0	97.2	85	114	2.331	4.11	20	
Cadmium	2.5	0.0030	2.500	0	99.4	81	119	2.384	4.19	20	
Chromium	2.5	0.0030	2.500	0.001221	98.0	80	118	2.349	4.24	20	
Cobalt	2.4	0.0030	2.500	0	97.8	67	132	2.343	4.27	20	
Copper	2.5	0.0050	2.500	0.008535	100	84	122	2.408	4.48	20	
Lead	2.4	0.0050	2.500	0	95.7	78	118	2.295	4.16	20	
Molybdenum	2.5	0.0050	2.500	0.002923	98.1	86	116	2.355	4.17	20	

Qualifiers:
E Value above quantitation range
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DO Surrogate Diluted Out

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Work Order: 083675
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_W

Sample ID: **083628-001CMSD** SampType: **MSD** TestCode: **6010_W** Units: **mg/L** Prep Date: **4/10/2006** RunNo: **61957**
Client ID: **ZZZZZZ** Batch ID: **27535** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **4/11/2006** SeqNo: **916895**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	2.4	0.0050	2.500	0	97.1	75	123	2.328	4.16	20	
Selenium	2.3	0.010	2.500	0	93.4	70	126	2.240	4.12	20	
Silver	2.4	0.0030	2.500	0	96.5	56	140	2.310	4.30	20	
Thallium	2.4	0.015	2.500	0	96.6	77	114	2.314	4.25	20	
Vanadium	2.5	0.0030	2.500	0.003434	98.7	77	123	2.369	4.23	20	
Zinc	2.4	0.010	2.500	0.05914	95.3	70	127	2.340	4.22	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
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Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7470_W

Sample ID: **083675-008E-DUP** SampType: **DUP** TestCode: **7470_W** Units: **µg/L** Prep Date: **4/11/2006** RunNo: **61994**
Client ID: **NM03-B1-Equip** Batch ID: **27529** TestNo: **EPA 7470A** **EPA 7470** Analysis Date: **4/11/2006** SeqNo: **917356**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.20						0	0	20	

Sample ID: **083675-008E-MS** SampType: **MS** TestCode: **7470_W** Units: **µg/L** Prep Date: **4/11/2006** RunNo: **61994**
Client ID: **NM03-B1-Equip** Batch ID: **27529** TestNo: **EPA 7470A** **EPA 7470** Analysis Date: **4/11/2006** SeqNo: **917357**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	25	0.20	25.00	0	101	70	130				

Sample ID: **083675-008E-MSD** SampType: **MSD** TestCode: **7470_W** Units: **µg/L** Prep Date: **4/11/2006** RunNo: **61994**
Client ID: **NM03-B1-Equip** Batch ID: **27529** TestNo: **EPA 7470A** **EPA 7470** Analysis Date: **4/11/2006** SeqNo: **917358**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	25	0.20	25.00	0	101	70	130	25.19	0.206	20	

Sample ID: **LCS-27529** SampType: **LCS** TestCode: **7470_W** Units: **µg/L** Prep Date: **4/11/2006** RunNo: **61994**
Client ID: **LCSW** Batch ID: **27529** TestNo: **EPA 7470A** **EPA 7470** Analysis Date: **4/11/2006** SeqNo: **917361**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	25	0.20	25.00	0	100	85	115				

Sample ID: **MB-27529** SampType: **MBLK** TestCode: **7470_W** Units: **µg/L** Prep Date: **4/11/2006** RunNo: **61994**
Client ID: **PBW** Batch ID: **27529** TestNo: **EPA 7470A** **EPA 7470** Analysis Date: **4/11/2006** SeqNo: **917362**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.20									

Qualifiers:
E Value above quantitation range
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Work Order: 083675
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **083724-006A-DUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/12/2006** RunNo: **62039**
Client ID: **ZZZZZZ** Batch ID: **27566** TestNo: **EPA 7471A** **EPA 7471** Analysis Date: **4/12/2006** SeqNo: **918009**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10						0	0	20	

Sample ID: **083724-006A-MS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/12/2006** RunNo: **62039**
Client ID: **ZZZZZZ** Batch ID: **27566** TestNo: **EPA 7471A** **EPA 7471** Analysis Date: **4/12/2006** SeqNo: **918010**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.94	0.10	0.8300	0	114	52	163				

Sample ID: **083724-006A-MSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/12/2006** RunNo: **62039**
Client ID: **ZZZZZZ** Batch ID: **27566** TestNo: **EPA 7471A** **EPA 7471** Analysis Date: **4/12/2006** SeqNo: **918011**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.95	0.10	0.8300	0	114	52	163	0.9439	0.355	20	

Sample ID: **LCS-27566** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/12/2006** RunNo: **62039**
Client ID: **LCSS** Batch ID: **27566** TestNo: **EPA 7471A** **EPA 7471** Analysis Date: **4/12/2006** SeqNo: **918012**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.2	0.10	2.080	0	104	80	120				

Sample ID: **MB-27566** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **4/12/2006** RunNo: **62039**
Client ID: **PBS** Batch ID: **27566** TestNo: **EPA 7471A** **EPA 7471** Analysis Date: **4/12/2006** SeqNo: **918013**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Qualifiers:
E Value above quantitation range
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DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083675
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DSL H

Sample ID: **MB-27557** SampType: **MBLK** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **4/11/2006** RunNo: **62001**
Client ID: **PBS** Batch ID: **27557** TestNo: **EPA 8015B(M LUFT** Analysis Date: **4/11/2006** SeqNo: **917483**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	10									
Surr: p-Terphenyl	72		80.00		89.4	56	131				

Sample ID: **LCS-27557** SampType: **LCS** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **4/11/2006** RunNo: **62001**
Client ID: **LCSS** Batch ID: **27557** TestNo: **EPA 8015B(M LUFT** Analysis Date: **4/11/2006** SeqNo: **917484**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1100	10	1000	0	109	67	131				
Surr: p-Terphenyl	93		80.00		116	56	131				

Sample ID: **083643-014AMS** SampType: **MS** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **4/11/2006** RunNo: **62001**
Client ID: **ZZZZZZ** Batch ID: **27557** TestNo: **EPA 8015B(M LUFT** Analysis Date: **4/11/2006** SeqNo: **917485**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1000	10	1000	0	101	49	140				
Surr: p-Terphenyl	85		80.00		107	56	131				

Sample ID: **083643-014AMSD** SampType: **MSD** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **4/11/2006** RunNo: **62001**
Client ID: **ZZZZZZ** Batch ID: **27557** TestNo: **EPA 8015B(M LUFT** Analysis Date: **4/11/2006** SeqNo: **917486**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1000	10	1000	0	101	49	140	1012	0.0930	30	
Surr: p-Terphenyl	86		80.00		107	56	131		0	30	

Sample ID: **083675-004ADUP** SampType: **DUP** TestCode: **8015_S_DSL** Units: **mg/Kg** Prep Date: **4/11/2006** RunNo: **62001**
Client ID: **NM03-B1-16.5** Batch ID: **27557** TestNo: **EPA 8015B(M LUFT** Analysis Date: **4/11/2006** SeqNo: **917487**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	10						0	0	30	
Surr: p-Terphenyl	78		80.00		97.2	56	131		0	0	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083675
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID: **D041006MB1** SampType: **MBLK** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **61943**
Client ID: **PBS** Batch ID: **D06VS023** TestNo: **EPA 8015B(M** Analysis Date: **4/10/2006** SeqNo: **916757**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0									
Surr: Bromofluorobenzene (FID)	71		100.0		70.5	42	138				

Sample ID: **083675-005A** SampType: **DUP** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **61943**
Client ID: **NM03-B1-21.5** Batch ID: **D06VS023** TestNo: **EPA 8015B(M** Analysis Date: **4/10/2006** SeqNo: **916760**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	1.0						0	0	30	
Surr: Bromofluorobenzene (FID)	74		100.0		74.3	42	138		0	0	

Sample ID: **083675-004AMS** SampType: **MS** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **61943**
Client ID: **NM03-B1-16.5** Batch ID: **D06VS023** TestNo: **EPA 8015B(M** Analysis Date: **4/10/2006** SeqNo: **916765**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.2	1.0	5.000	0.1580	80.1	34	140				
Surr: Bromofluorobenzene (FID)	86		100.0		86.4	42	138				

Sample ID: **083675-004AMSD** SampType: **MSD** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **61943**
Client ID: **NM03-B1-16.5** Batch ID: **D06VS023** TestNo: **EPA 8015B(M** Analysis Date: **4/10/2006** SeqNo: **916766**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.4	1.0	5.000	0.1580	84.4	34	140	4.165	5.01	30	
Surr: Bromofluorobenzene (FID)	89		100.0		89.3	42	138		0	30	

Sample ID: **D041006LCS1** SampType: **LCS** TestCode: **8015_S_GAS** Units: **mg/Kg** Prep Date: RunNo: **61943**
Client ID: **LCSS** Batch ID: **D06VS023** TestNo: **EPA 8015B(M** Analysis Date: **4/10/2006** SeqNo: **916767**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	4.5	1.0	5.000	0.1540	86.0	78	122				
Surr: Bromofluorobenzene (FID)	85		100.0		85.3	42	138				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_DSL H

Sample ID: **MB-27563** SampType: **MBLK** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/12/2006** RunNo: **62109**
Client ID: **PBW** Batch ID: **27563** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/12/2006** SeqNo: **918889**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	0.20									
Surr: p-Terphenyl	0.035		0.08000		44.0	32	125				

Sample ID: **LCS-27563** SampType: **LCS** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/12/2006** RunNo: **62109**
Client ID: **LCSW** Batch ID: **27563** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/12/2006** SeqNo: **918890**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.93	0.20	1.000	0	92.8	60	130				
Surr: p-Terphenyl	0.045		0.08000		56.7	32	125				

Sample ID: **MB-27563MS** SampType: **MS** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/12/2006** RunNo: **62109**
Client ID: **ZZZZZZ** Batch ID: **27563** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/12/2006** SeqNo: **918891**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.86	0.20	1.000	0	86.3	60	130				
Surr: p-Terphenyl	0.041		0.08000		50.9	32	125				

Sample ID: **MB-27563MSD** SampType: **MSD** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/12/2006** RunNo: **62109**
Client ID: **ZZZZZZ** Batch ID: **27563** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/12/2006** SeqNo: **918892**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.83	0.20	1.000	0	83.2	60	130	0.8635	3.74	40	
Surr: p-Terphenyl	0.040		0.08000		50.5	32	125		0	0	

Sample ID: **083675-007CDUP** SampType: **DUP** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/12/2006** RunNo: **62109**
Client ID: **NM03-B1-GW** Batch ID: **27563** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/12/2006** SeqNo: **918894**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	0.20						0	0	30	
Surr: p-Terphenyl	0.053		0.08000		66.2	32	125		0	0	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
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H Holding times for preparation or analysis exceeded
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CLIENT: Ninyo & Moore
Work Order: 083675
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_G PRES

Sample ID: **I041006LCS1** SampType: **LCS** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **61908**
Client ID: **LCSW** Batch ID: **I06VW092** TestNo: **EPA 8015B(M** Analysis Date: **4/11/2006** SeqNo: **916334**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.85	0.20	1.000	0	85.4	71	122				
Surr: Bromofluorobenzene (FID)	110		100.0		106	76	125				

Sample ID: **I041006MB2MS** SampType: **MS** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **61908**
Client ID: **ZZZZZZ** Batch ID: **I06VW092** TestNo: **EPA 8015B(M** Analysis Date: **4/10/2006** SeqNo: **916335**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.87	0.20	1.000	0	86.6	71	122				
Surr: Bromofluorobenzene (FID)	110		100.0		110	76	125				

Sample ID: **I041006MB2MSD** SampType: **MSD** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **61908**
Client ID: **ZZZZZZ** Batch ID: **I06VW092** TestNo: **EPA 8015B(M** Analysis Date: **4/10/2006** SeqNo: **916336**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.90	0.20	1.000	0	90.3	71	122	0.8660	4.18	30	
Surr: Bromofluorobenzene (FID)	100		100.0		101	76	125		0	0	

Sample ID: **I041006MB2** SampType: **MBLK** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **61908**
Client ID: **PBW** Batch ID: **I06VW092** TestNo: **EPA 8015B(M** Analysis Date: **4/10/2006** SeqNo: **916337**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.20									
Surr: Bromofluorobenzene (FID)	100		100.0		101	76	125				

Sample ID: **083675-008B** SampType: **DUP** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **61908**
Client ID: **NM03-B1-Equip** Batch ID: **I06VW092** TestNo: **EPA 8015B(M** Analysis Date: **4/10/2006** SeqNo: **916338**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.20						0	0	30	
Surr: Bromofluorobenzene (FID)	99		100.0		99.4	76	125		0	0	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083675
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_G PRES

Sample ID: **I041106MB2MS** SampType: **MS** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **61934**
Client ID: **ZZZZZZ** Batch ID: **I06VW093** TestNo: **EPA 8015B(M** Analysis Date: **4/11/2006** SeqNo: **916660**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.94	0.20	1.000	0	93.7	71	122				
Surr: Bromofluorobenzene (FID)	110		100.0		114	76	125				

Sample ID: **I041106MB2MSD** SampType: **MSD** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **61934**
Client ID: **ZZZZZZ** Batch ID: **I06VW093** TestNo: **EPA 8015B(M** Analysis Date: **4/11/2006** SeqNo: **916661**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.95	0.20	1.000	0	95.1	71	122	0.9370	1.48	30	
Surr: Bromofluorobenzene (FID)	110		100.0		110	76	125		0	0	

Sample ID: **I041106MB2** SampType: **MBLK** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **61934**
Client ID: **PBW** Batch ID: **I06VW093** TestNo: **EPA 8015B(M** Analysis Date: **4/11/2006** SeqNo: **916662**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.20									
Surr: Bromofluorobenzene (FID)	100		100.0		103	76	125				

Sample ID: **083676-006B** SampType: **DUP** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **61934**
Client ID: **ZZZZZZ** Batch ID: **I06VW093** TestNo: **EPA 8015B(M** Analysis Date: **4/11/2006** SeqNo: **916798**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.20						0.05200	0	30	
Surr: Bromofluorobenzene (FID)	100		100.0		103	76	125		0	0	

Sample ID: **I041106LCS1** SampType: **LCS** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **61934**
Client ID: **LCSW** Batch ID: **I06VW093** TestNo: **EPA 8015B(M** Analysis Date: **4/11/2006** SeqNo: **917100**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.85	0.20	1.000	0	85.4	71	122				
Surr: Bromofluorobenzene (FID)	110		100.0		106	76	125				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083675
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **P060411LC1** SampType: **LCS** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **61915**
Client ID: **LCSS** Batch ID: **P06VS063** TestNo: **EPA 8260B** Analysis Date: **4/11/2006** SeqNo: **916412**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	110	5.0	100.0	0	112	76	126				
Benzene	100	5.0	100.0	0	101	77	131				
Chlorobenzene	110	5.0	100.0	0	106	81	136				
Toluene	95	5.0	100.0	0	95.2	78	129				
Trichloroethene	110	5.0	100.0	0	107	78	136				
Surr: 1,2-Dichloroethane-d4	49		50.00		98.1	58	138				
Surr: 4-Bromofluorobenzene	51		50.00		102	74	130				
Surr: Dibromofluoromethane	52		50.00		104	58	135				
Surr: Toluene-d8	50		50.00		99.7	84	130				

Sample ID: **P060411MS** SampType: **MS** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **61915**
Client ID: **ZZZZZZ** Batch ID: **P06VS063** TestNo: **EPA 8260B** Analysis Date: **4/11/2006** SeqNo: **916413**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	100	5.0	100.0	0	102	59	146				
Benzene	92	5.0	100.0	0	91.6	68	137				
Chlorobenzene	97	5.0	100.0	0	97.2	64	144				
Toluene	85	5.0	100.0	0	85.4	53	150				
Trichloroethene	96	5.0	100.0	0	96.2	58	155				
Surr: 1,2-Dichloroethane-d4	50		50.00		101	58	138				
Surr: 4-Bromofluorobenzene	51		50.00		101	74	130				
Surr: Dibromofluoromethane	54		50.00		108	58	135				
Surr: Toluene-d8	50		50.00		100	84	130				

Sample ID: **P060411MSD** SampType: **MSD** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **61915**
Client ID: **ZZZZZZ** Batch ID: **P06VS063** TestNo: **EPA 8260B** Analysis Date: **4/11/2006** SeqNo: **916414**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	110	5.0	100.0	0	113	59	146				
Benzene	100	5.0	100.0	0	99.9	68	137				
Chlorobenzene	110	5.0	100.0	0	105	64	144				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **P060411MSD** SampType: **MSD** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **61915**
Client ID: **ZZZZZZ** Batch ID: **P06VS063** TestNo: **EPA 8260B** Analysis Date: **4/11/2006** SeqNo: **916414**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	94	5.0	100.0	0	93.7	53	150				
Trichloroethene	100	5.0	100.0	0	104	58	155				
Surr: 1,2-Dichloroethane-d4	54		50.00		107	58	138				
Surr: 4-Bromofluorobenzene	50		50.00		101	74	130				
Surr: Dibromofluoromethane	54		50.00		108	58	135				
Surr: Toluene-d8	50		50.00		100	84	130				

Sample ID: **P060411MB1** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **61915**
Client ID: **PBS** Batch ID: **P06VS063** TestNo: **EPA 8260B** Analysis Date: **4/11/2006** SeqNo: **916415**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Work Order: 083675
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **P060411MB1** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **61915**
Client ID: **PBS** Batch ID: **P06VS063** TestNo: **EPA 8260B** Analysis Date: **4/11/2006** SeqNo: **916415**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
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Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **P060411MB1** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **61915**
Client ID: **PBS** Batch ID: **P06VS063** TestNo: **EPA 8260B** Analysis Date: **4/11/2006** SeqNo: **916415**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	49		50.00		98.6	58	138				
Surr: 4-Bromofluorobenzene	51		50.00		101	74	130				
Surr: Dibromofluoromethane	51		50.00		102	58	135				
Surr: Toluene-d8	50		50.00		99.4	84	130				

Sample ID: **083675-004A** SampType: **DUP** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **61915**
Client ID: **NM03-B1-16.5** Batch ID: **P06VS063** TestNo: **EPA 8260B** Analysis Date: **4/11/2006** SeqNo: **917431**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0						0	0	30	
1,1,1-Trichloroethane	ND	5.0						0	0	30	
1,1,2,2-Tetrachloroethane	ND	5.0						0	0	30	
1,1,2-Trichloroethane	ND	5.0						0	0	30	
1,1-Dichloroethane	ND	5.0						0	0	30	
1,1-Dichloroethene	ND	5.0						0	0	30	
1,1-Dichloropropene	ND	5.0						0	0	30	
1,2,3-Trichlorobenzene	ND	5.0						0	0	30	
1,2,3-Trichloropropane	ND	5.0						0	0	30	
1,2,4-Trichlorobenzene	ND	5.0						0	0	30	
1,2,4-Trimethylbenzene	ND	5.0						0	0	30	
1,2-Dibromo-3-chloropropane	ND	10						0	0	30	
1,2-Dibromoethane	ND	5.0						0	0	30	
1,2-Dichlorobenzene	ND	5.0						0	0	30	
1,2-Dichloroethane	ND	5.0						0	0	30	
1,2-Dichloropropane	ND	5.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Work Order: 083675
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **083675-004A** SampType: **DUP** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **61915**
Client ID: **NM03-B1-16.5** Batch ID: **P06VS063** TestNo: **EPA 8260B** Analysis Date: **4/11/2006** SeqNo: **917431**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trimethylbenzene	ND	5.0						0	0	30	
1,3-Dichlorobenzene	ND	5.0						0	0	30	
1,3-Dichloropropane	ND	5.0						0	0	30	
1,4-Dichlorobenzene	ND	5.0						0	0	30	
2,2-Dichloropropane	ND	5.0						0	0	30	
2-Butanone	ND	50						0	0	30	
2-Chloroethyl vinyl ether	ND	5.0						0	0	30	
2-Chlorotoluene	ND	5.0						0	0	30	
2-Hexanone	ND	50						0	0	30	
4-Chlorotoluene	ND	5.0						0	0	30	
4-Isopropyltoluene	ND	5.0						0	0	30	
4-Methyl-2-pentanone	ND	50						0	0	30	
Acetone	ND	50						0	0	30	
Acrolein	ND	50						0	0	30	
Acrylonitrile	ND	50						0	0	30	
Benzene	ND	5.0						0	0	30	
Bromobenzene	ND	5.0						0	0	30	
Bromochloromethane	ND	5.0						0	0	30	
Bromodichloromethane	ND	5.0						0	0	30	
Bromoform	ND	5.0						0	0	30	
Bromomethane	ND	5.0						0	0	30	
Carbon disulfide	ND	5.0						0	0	30	
Carbon tetrachloride	ND	5.0						0	0	30	
Chlorobenzene	ND	5.0						0	0	30	
Chloroethane	ND	5.0						0	0	30	
Chloroform	ND	5.0						0	0	30	
Chloromethane	ND	5.0						0	0	30	
cis-1,2-Dichloroethene	ND	5.0						0	0	30	
cis-1,3-Dichloropropene	ND	5.0						0	0	30	
Cyclohexanone	ND	50						0	0	30	
Di-isopropyl ether	ND	5.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083675
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **083675-004A** SampType: **DUP** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **61915**
Client ID: **NM03-B1-16.5** Batch ID: **P06VS063** TestNo: **EPA 8260B** Analysis Date: **4/11/2006** SeqNo: **917431**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	ND	5.0						0	0	30	
Dibromomethane	ND	5.0						0	0	30	
Dichlorodifluoromethane	ND	5.0						0	0	30	
Ethyl Acetate	ND	50						0	0	30	
Ethyl Ether	ND	50						0	0	30	
Ethyl Tert-butyl ether	ND	5.0						0	0	30	
Ethylbenzene	ND	5.0						0	0	30	
Freon-113	ND	5.0						0	0	30	
Hexachlorobutadiene	ND	5.0						0	0	30	
Iodomethane	ND	5.0						0	0	30	
Isopropylbenzene	ND	5.0						0	0	30	
m,p-Xylene	ND	10						0	0	30	
Methylene chloride	ND	5.0						0	0	30	
MTBE	ND	5.0						0	0	30	
n-Butylbenzene	ND	5.0						0	0	30	
n-Propylbenzene	ND	5.0						0	0	30	
Naphthalene	ND	5.0						0	0	30	
o-Xylene	ND	5.0						0	0	30	
sec-Butylbenzene	ND	5.0						0	0	30	
Styrene	ND	5.0						0	0	30	
Tert-amyl methyl ether	ND	5.0						0	0	30	
Tert-Butanol	ND	100						0	0	30	
tert-Butylbenzene	ND	5.0						0	0	30	
Tetrachloroethene	ND	5.0						0	0	30	
Toluene	ND	5.0						0	0	30	
trans-1,2-Dichloroethene	ND	5.0						0	0	30	
trans-1,3-Dichloropropene	ND	5.0						0	0	30	
Trichloroethene	ND	5.0						0	0	30	
Trichlorofluoromethane	ND	5.0						0	0	30	
Vinyl acetate	ND	50						0	0	30	
Vinyl chloride	ND	5.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083675
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: **083675-004A** SampType: **DUP** TestCode: **8260_S** Units: **µg/Kg** Prep Date: RunNo: **61915**
Client ID: **NM03-B1-16.5** Batch ID: **P06VS063** TestNo: **EPA 8260B** Analysis Date: **4/11/2006** SeqNo: **917431**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Xylenes, Total	ND	15						0	0	30	
Surr: 1,2-Dichloroethane-d4	56		50.00		112	58	138		0	30	
Surr: 4-Bromofluorobenzene	51		50.00		103	74	130		0	30	
Surr: Dibromofluoromethane	54		50.00		108	58	135		0	30	
Surr: Toluene-d8	50		50.00		100	84	130		0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
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H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
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Work Order: 083675
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **Q041006LC1** SampType: **LCS** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61905**
Client ID: **LCSW** Batch ID: **Q06VW078** TestNo: **EPA 8260B** Analysis Date: **4/10/2006** SeqNo: **916238**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	21	5.0	20.00	0	104	76	132				
Benzene	20	5.0	20.00	0	101	90	123				
Chlorobenzene	20	5.0	20.00	0	102	76	118				
Toluene	20	5.0	20.00	0	99.4	91	124				
Trichloroethene	20	5.0	20.00	0	98.1	87	125				
Surr: 1,2-Dichloroethane-d4	52		50.00		103	70	126				
Surr: 4-Bromofluorobenzene	50		50.00		101	63	134				
Surr: Dibromofluoromethane	51		50.00		102	73	124				
Surr: Toluene-d8	51		50.00		102	84	123				

Sample ID: **Q041006MB1MS** SampType: **MS** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61905**
Client ID: **ZZZZZZ** Batch ID: **Q06VW078** TestNo: **EPA 8260B** Analysis Date: **4/10/2006** SeqNo: **916239**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	22	5.0	20.00	0	110	76	132				
Benzene	20	5.0	20.00	0	101	90	123				
Chlorobenzene	21	5.0	20.00	0	103	76	118				
Toluene	20	5.0	20.00	0	102	91	124				
Trichloroethene	20	5.0	20.00	0	101	87	125				
Surr: 1,2-Dichloroethane-d4	52		50.00		104	70	126				
Surr: 4-Bromofluorobenzene	51		50.00		102	63	134				
Surr: Dibromofluoromethane	51		50.00		101	73	124				
Surr: Toluene-d8	50		50.00		101	84	123				

Sample ID: **Q041006MB1MSD** SampType: **MSD** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61905**
Client ID: **ZZZZZZ** Batch ID: **Q06VW078** TestNo: **EPA 8260B** Analysis Date: **4/10/2006** SeqNo: **916240**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	23	5.0	20.00	0	113	76	132	22.08	2.37	30	
Benzene	22	5.0	20.00	0	110	90	123	20.11	8.66	30	
Chlorobenzene	21	5.0	20.00	0	105	76	118	20.62	1.87	30	

Qualifiers:
E Value above quantitation range
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H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
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Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **Q041006MB1MSD** SampType: **MSD** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61905**
Client ID: **ZZZZZZ** Batch ID: **Q06VW078** TestNo: **EPA 8260B** Analysis Date: **4/10/2006** SeqNo: **916240**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	21	5.0	20.00	0	107	91	124	20.40	5.02	30	
Trichloroethene	21	5.0	20.00	0	106	87	125	20.27	4.63	30	
Surr: 1,2-Dichloroethane-d4	53		50.00		105	70	126		0	30	
Surr: 4-Bromofluorobenzene	50		50.00		99.8	63	134		0	30	
Surr: Dibromofluoromethane	52		50.00		105	73	124		0	30	
Surr: Toluene-d8	52		50.00		104	84	123		0	30	

Sample ID: **Q041006MB1** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61905**
Client ID: **PBW** Batch ID: **Q06VW078** TestNo: **EPA 8260B** Analysis Date: **4/10/2006** SeqNo: **916242**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	5.0									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
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H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **Q041006MB1** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61905**
Client ID: **PBW** Batch ID: **Q06VW078** TestNo: **EPA 8260B** Analysis Date: **4/10/2006** SeqNo: **916242**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
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Work Order: 083675
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **Q041006MB1** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61905**
Client ID: **PBW** Batch ID: **Q06VW078** TestNo: **EPA 8260B** Analysis Date: **4/10/2006** SeqNo: **916242**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	55		50.00		110	70	126				
Surr: 4-Bromofluorobenzene	46		50.00		92.3	63	134				
Surr: Dibromofluoromethane	55		50.00		110	73	124				
Surr: Toluene-d8	48		50.00		95.6	84	123				

Sample ID: **083675-007ADUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61905**
Client ID: **NM03-B1-GW** Batch ID: **Q06VW078** TestNo: **EPA 8260B** Analysis Date: **4/10/2006** SeqNo: **916396**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0						0	0	30	
1,1,1-Trichloroethane	ND	5.0						0	0	30	
1,1,2,2-Tetrachloroethane	ND	5.0						0	0	30	
1,1,2-Trichloroethane	ND	5.0						0	0	30	
1,1-Dichloroethane	ND	5.0						0	0	30	
1,1-Dichloroethene	ND	5.0						0	0	30	
1,1-Dichloropropene	ND	5.0						0	0	30	
1,2,3-Trichlorobenzene	ND	5.0						0	0	30	
1,2,3-Trichloropropane	ND	5.0						0	0	30	
1,2,4-Trichlorobenzene	ND	5.0						0	0	30	
1,2,4-Trimethylbenzene	ND	5.0						0	0	30	
1,2-Dibromo-3-chloropropane	ND	5.0						0	0	30	
1,2-Dibromoethane	ND	5.0						0	0	30	
1,2-Dichlorobenzene	ND	5.0						0	0	30	
1,2-Dichloroethane	ND	5.0						0	0	30	
1,2-Dichloropropane	ND	5.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083675
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **083675-007ADUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61905**
Client ID: **NM03-B1-GW** Batch ID: **Q06VW078** TestNo: **EPA 8260B** Analysis Date: **4/10/2006** SeqNo: **916396**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3,5-Trimethylbenzene	ND	5.0						0	0	30	
1,3-Dichlorobenzene	ND	5.0						0	0	30	
1,3-Dichloropropane	ND	5.0						0	0	30	
1,4-Dichlorobenzene	ND	5.0						0	0	30	
2,2-Dichloropropane	ND	5.0						0	0	30	
2-Butanone	ND	50						0	0	30	
2-Chloroethyl vinyl ether	ND	5.0						0	0	30	
2-Chlorotoluene	ND	5.0						0	0	30	
2-Hexanone	ND	50						0	0	30	
4-Chlorotoluene	ND	5.0						0	0	30	
4-Isopropyltoluene	ND	5.0						0	0	30	
4-Methyl-2-pentanone	ND	50						0	0	30	
Acetone	ND	50						34.39	0	30	
Acrolein	ND	50						0	0	30	
Acrylonitrile	ND	50						0	0	30	
Benzene	ND	5.0						0	0	30	
Bromobenzene	ND	5.0						0	0	30	
Bromochloromethane	ND	5.0						0	0	30	
Bromodichloromethane	ND	5.0						0	0	30	
Bromoform	ND	5.0						0	0	30	
Bromomethane	ND	5.0						0	0	30	
Carbon disulfide	ND	5.0						0	0	30	
Carbon tetrachloride	ND	5.0						0	0	30	
Chlorobenzene	ND	5.0						0	0	30	
Chloroethane	ND	5.0						0	0	30	
Chloroform	ND	5.0						0	0	30	
Chloromethane	ND	5.0						0	0	30	
cis-1,2-Dichloroethene	ND	5.0						0	0	30	
cis-1,3-Dichloropropene	ND	5.0						0	0	30	
Cyclohexanone	ND	50						0	0	30	
Di-isopropyl ether	ND	5.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083675
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **083675-007ADUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61905**
Client ID: **NM03-B1-GW** Batch ID: **Q06VW078** TestNo: **EPA 8260B** Analysis Date: **4/10/2006** SeqNo: **916396**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	ND	5.0						0	0	30	
Dibromomethane	ND	5.0						0	0	30	
Dichlorodifluoromethane	ND	5.0						0	0	30	
Ethyl Acetate	ND	50						0	0	30	
Ethyl Ether	ND	50						0	0	30	
Ethyl tert-butyl ether	ND	5.0						0	0	30	
Ethylbenzene	ND	5.0						0	0	30	
Freon-113	ND	5.0						0	0	30	
Hexachlorobutadiene	ND	5.0						0	0	30	
Iodomethane	ND	5.0						0	0	30	
Isopropylbenzene	ND	5.0						0	0	30	
m,p-Xylene	ND	10						0	0	30	
Methylene chloride	ND	5.0						0	0	30	
n-Butylbenzene	ND	5.0						0	0	30	
n-Propylbenzene	ND	5.0						0	0	30	
Naphthalene	ND	5.0						0	0	30	
o-Xylene	ND	5.0						0	0	30	
sec-Butylbenzene	ND	5.0						0	0	30	
Styrene	ND	5.0						0	0	30	
Tert-Butanol	210	100						180.6	13.1	30	
tert-Butylbenzene	ND	5.0						0	0	30	
Tetrachloroethene	ND	5.0						0	0	30	
Toluene	ND	5.0						0	0	30	
trans-1,2-Dichloroethene	ND	5.0						0	0	30	
trans-1,3-Dichloropropene	ND	5.0						0	0	30	
Trichloroethene	ND	5.0						0	0	30	
Trichlorofluoromethane	ND	5.0						0	0	30	
Vinyl acetate	ND	50						0	0	30	
Vinyl chloride	ND	5.0						0	0	30	
Xylenes, Total	ND	15						0	0	30	
Surr: 1,2-Dichloroethane-d4	62		50.00		124	70	126		0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083675
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **083675-007ADUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61905**
Client ID: **NM03-B1-GW** Batch ID: **Q06VW078** TestNo: **EPA 8260B** Analysis Date: **4/10/2006** SeqNo: **916396**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	49		50.00		97.6	63	134		0	30	
Surr: Dibromofluoromethane	62		50.00		124	73	124		0	30	
Surr: Toluene-d8	56		50.00		112	84	123		0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
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ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-27549** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/11/2006** RunNo: **62018**
Client ID: **PBS** Batch ID: **27549** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/11/2006** SeqNo: **917643**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	330									
1,2-Dichlorobenzene	ND	330									
1,3-Dichlorobenzene	ND	330									
1,4-Dichlorobenzene	ND	330									
2,4,5-Trichlorophenol	ND	330									
2,4,6-Trichlorophenol	ND	330									
2,4-Dichlorophenol	ND	1600									
2,4-Dimethylphenol	ND	330									
2,4-Dinitrophenol	ND	1600									
2,4-Dinitrotoluene	ND	330									
2,6-Dinitrotoluene	ND	330									
2-Chloronaphthalene	ND	330									
2-Chlorophenol	ND	330									
2-Methylnaphthalene	ND	330									
2-Methylphenol	ND	330									
2-Nitroaniline	ND	1600									
2-Nitrophenol	ND	330									
3,3´-Dichlorobenzidine	ND	660									
3-Nitroaniline	ND	1600									
4,6-Dinitro-2-methylphenol	ND	1600									
4-Bromophenyl-phenylether	ND	330									
4-Chloro-3-methylphenol	ND	660									
4-Chloroaniline	ND	660									
4-Chlorophenyl-phenylether	ND	330									
4-Methylphenol	ND	330									
4-Nitroaniline	ND	1600									
4-Nitrophenol	ND	1600									
Acenaphthene	ND	330									
Acenaphthylene	ND	330									
Anthracene	ND	330									
Benzidine (M)	ND	1600									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
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Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-27549**	SampType: **MBLK**	TestCode: **8270_S_FUL**	Units: **µg/Kg**	Prep Date: **4/11/2006**	RunNo: **62018**								
Client ID: **PBS**	Batch ID: **27549**	TestNo: **EPA 8270C**	**EPA 3550B**	Analysis Date: **4/11/2006**	SeqNo: **917643**								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Benzo(a)anthracene	ND	330											
Benzo(a)pyrene	ND	330											
Benzo(b)fluoranthene	ND	330											
Benzo(g,h,i)perylene	ND	330											
Benzo(k)fluoranthene	ND	330											
Benzoic acid	ND	1600											
Benzyl alcohol	ND	660											
Bis(2-chloroethoxy)methane	ND	330											
Bis(2-chloroethyl)ether	ND	330											
Bis(2-chloroisopropyl)ether	ND	330											
Bis(2-ethylhexyl)phthalate	ND	330											
Butylbenzylphthalate	ND	330											
Chrysene	ND	330											
Di-n-butylphthalate	ND	330											
Di-n-octylphthalate	ND	330											
Dibenz(a,h)anthracene	ND	330											
Dibenzofuran	ND	330											
Diethylphthalate	ND	330											
Dimethylphthalate	ND	330											
Fluoranthene	ND	330											
Fluorene	ND	330											
Hexachlorobenzene	ND	330											
Hexachlorobutadiene	ND	660											
Hexachlorocyclopentadiene	ND	660											
Hexachloroethane	ND	330											
Indeno(1,2,3-cd)pyrene	ND	330											
Isophorone	ND	330											
N-Nitrosodi-n-propylamine	ND	330											
N-Nitrosodiphenylamine	ND	330											
Naphthalene	ND	330											
Nitrobenzene	ND	330											

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083675
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-27549** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/11/2006** RunNo: **62018**
Client ID: **PBS** Batch ID: **27549** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/11/2006** SeqNo: **917643**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	ND	1600									
Phenanthrene	ND	330									
Phenol	ND	330									
Pyrene	ND	330									
Surr: 1,2-Dichlorobenzene-d4	2500		3330		76.3	46	105				
Surr: 2,4,6-Tribromophenol	3000		3330		89.3	46	146				
Surr: 2-Chlorophenol-d4	2500		3330		75.7	48	117				
Surr: 2-Fluorobiphenyl	2800		3330		82.9	54	112				
Surr: 2-Fluorophenol	2600		3330		78.8	45	119				
Surr: 4-Terphenyl-d14	3500		3330		105	46	135				
Surr: Nitrobenzene-d5	2800		3330		84.9	40	116				
Surr: Phenol-d5	2600		3330		77.9	37	127				

Sample ID: **LCS-27549** SampType: **LCS** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/11/2006** RunNo: **62018**
Client ID: **LCSS** Batch ID: **27549** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/11/2006** SeqNo: **917644**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2500	330	3330	0	75.9	58	117				
1,4-Dichlorobenzene	2200	330	3330	0	67.1	56	100				
2,4-Dinitrotoluene	3000	330	3330	0	89.6	71	135				
2-Chlorophenol	2200	330	3330	0	66.1	66	107				
4-Chloro-3-methylphenol	2700	660	3330	0	82.3	74	128				
4-Nitrophenol	2700	1600	3330	0	81.4	54	133				
Acenaphthene	2700	330	3330	0	80.7	73	118				
N-Nitrosodi-n-propylamine	2600	330	3330	0	77.6	67	113				
Pentachlorophenol	2800	1600	3330	0	85.1	78	127				
Phenol	2300	330	3330	0	69.8	67	110				
Pyrene	2700	330	3330	0	80.5	74	127				
Surr: 1,2-Dichlorobenzene-d4	2400		3330		71.9	46	105				
Surr: 2,4,6-Tribromophenol	3100		3330		92.4	46	146				
Surr: 2-Chlorophenol-d4	2400		3330		72.4	48	117				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Work Order: 083675
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **LCS-27549** SampType: **LCS** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/11/2006** RunNo: **62018**
Client ID: **LCSS** Batch ID: **27549** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/11/2006** SeqNo: **917644**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorobiphenyl	2700		3330		81.9	54	112				
Surr: 2-Fluorophenol	2500		3330		74.7	45	119				
Surr: 4-Terphenyl-d14	3100		3330		94.2	46	135				
Surr: Nitrobenzene-d5	2700		3330		81.3	40	116				
Surr: Phenol-d5	2500		3330		75.0	37	127				

Sample ID: **083675-005AMS** SampType: **MS** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/11/2006** RunNo: **62018**
Client ID: **NM03-B1-21.5** Batch ID: **27549** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/11/2006** SeqNo: **917645**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2600	330	3330	0	77.9	45	126				
1,4-Dichlorobenzene	2300	330	3330	0	68.4	41	110				
2,4-Dinitrotoluene	3200	330	3330	0	96.6	57	139				
2-Chlorophenol	2300	330	3330	0	68.4	52	117				
4-Chloro-3-methylphenol	2900	660	3330	0	87.4	63	135				
4-Nitrophenol	2900	1600	3330	0	87.3	48	137				
Acenaphthene	2800	330	3330	0	84.6	59	129				
N-Nitrosodi-n-propylamine	2600	330	3330	0	78.8	41	135				
Pentachlorophenol	3000	1600	3330	0	90.4	55	146				
Phenol	2400	330	3330	0	71.7	51	122				
Pyrene	2900	330	3330	0	87.5	58	138				
Surr: 1,2-Dichlorobenzene-d4	2300		3330		70.4	46	105				
Surr: 2,4,6-Tribromophenol	3100		3330		92.3	46	146				
Surr: 2-Chlorophenol-d4	2400		3330		71.8	48	117				
Surr: 2-Fluorobiphenyl	2700		3330		82.5	54	112				
Surr: 2-Fluorophenol	2500		3330		73.6	45	119				
Surr: 4-Terphenyl-d14	3200		3330		96.3	46	135				
Surr: Nitrobenzene-d5	2700		3330		79.7	40	116				
Surr: Phenol-d5	2500		3330		74.1	37	127				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **083675-005AMSD** SampType: **MSD** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/11/2006** RunNo: **62018**
Client ID: **NM03-B1-21.5** Batch ID: **27549** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/11/2006** SeqNo: **917646**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2500	330	3330	0	75.7	45	126	2593	2.80	30	
1,4-Dichlorobenzene	2100	330	3330	0	64.3	41	110	2279	6.29	30	
2,4-Dinitrotoluene	3200	330	3330	0	94.6	57	139	3216	2.06	30	
2-Chlorophenol	2200	330	3330	0	64.9	52	117	2279	5.32	30	
4-Chloro-3-methylphenol	2900	660	3330	0	87.7	63	135	2912	0.331	30	
4-Nitrophenol	2900	1600	3330	0	85.7	48	137	2908	1.85	30	
Acenaphthene	2800	330	3330	0	84.5	59	129	2818	0.107	30	
N-Nitrosodi-n-propylamine	2600	330	3330	0	78.8	41	135	2624	0.0381	30	
Pentachlorophenol	3100	1600	3330	0	94.4	55	146	3009	4.42	30	
Phenol	2300	330	3330	0	69.0	51	122	2389	3.96	30	
Pyrene	2700	330	3330	0	82.3	58	138	2915	6.22	30	
Surr: 1,2-Dichlorobenzene-d4	2200		3330		67.5	46	105		0	30	
Surr: 2,4,6-Tribromophenol	3100		3330		94.5	46	146		0	30	
Surr: 2-Chlorophenol-d4	2300		3330		69.8	48	117		0	30	
Surr: 2-Fluorobiphenyl	2700		3330		82.3	54	112		0	30	
Surr: 2-Fluorophenol	2400		3330		70.9	45	119		0	30	
Surr: 4-Terphenyl-d14	3500		3330		105	46	135		0	30	
Surr: Nitrobenzene-d5	2700		3330		80.1	40	116		0	30	
Surr: Phenol-d5	2400		3330		71.6	37	127		0	30	

Sample ID: **MB-27549** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/11/2006** RunNo: **62018**
Client ID: **PBS** Batch ID: **27549** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/12/2006** SeqNo: **917724**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	330									
1,2-Dichlorobenzene	ND	330									
1,3-Dichlorobenzene	ND	330									
1,4-Dichlorobenzene	ND	330									
2,4,5-Trichlorophenol	ND	330									
2,4,6-Trichlorophenol	ND	330									
2,4-Dichlorophenol	ND	1600									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-27549** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/11/2006** RunNo: **62018**
Client ID: **PBS** Batch ID: **27549** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/12/2006** SeqNo: **917724**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dimethylphenol	ND	330									
2,4-Dinitrophenol	ND	1600									
2,4-Dinitrotoluene	ND	330									
2,6-Dinitrotoluene	ND	330									
2-Chloronaphthalene	ND	330									
2-Chlorophenol	ND	330									
2-Methylnaphthalene	ND	330									
2-Methylphenol	ND	330									
2-Nitroaniline	ND	1600									
2-Nitrophenol	ND	330									
3,3´-Dichlorobenzidine	ND	660									
3-Nitroaniline	ND	1600									
4,6-Dinitro-2-methylphenol	ND	1600									
4-Bromophenyl-phenylether	ND	330									
4-Chloro-3-methylphenol	ND	660									
4-Chloroaniline	ND	660									
4-Chlorophenyl-phenylether	ND	330									
4-Methylphenol	ND	330									
4-Nitroaniline	ND	1600									
4-Nitrophenol	ND	1600									
Acenaphthene	ND	330									
Acenaphthylene	ND	330									
Anthracene	ND	330									
Benzidine (M)	ND	1600									
Benzo(a)anthracene	ND	330									
Benzo(a)pyrene	ND	330									
Benzo(b)fluoranthene	ND	330									
Benzo(g,h,i)perylene	ND	330									
Benzo(k)fluoranthene	ND	330									
Benzoic acid	ND	1600									
Benzyl alcohol	ND	660									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083675
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-27549** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/11/2006** RunNo: **62018**
Client ID: **PBS** Batch ID: **27549** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/12/2006** SeqNo: **917724**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bis(2-chloroethoxy)methane	ND	330									
Bis(2-chloroethyl)ether	ND	330									
Bis(2-chloroisopropyl)ether	ND	330									
Bis(2-ethylhexyl)phthalate	ND	330									
Butylbenzylphthalate	ND	330									
Chrysene	ND	330									
Di-n-butylphthalate	ND	330									
Di-n-octylphthalate	ND	330									
Dibenz(a,h)anthracene	ND	330									
Dibenzofuran	ND	330									
Diethylphthalate	ND	330									
Dimethylphthalate	ND	330									
Fluoranthene	ND	330									
Fluorene	ND	330									
Hexachlorobenzene	ND	330									
Hexachlorobutadiene	ND	660									
Hexachlorocyclopentadiene	ND	660									
Hexachloroethane	ND	330									
Indeno(1,2,3-cd)pyrene	ND	330									
Isophorone	ND	330									
N-Nitrosodi-n-propylamine	ND	330									
N-Nitrosodiphenylamine	ND	330									
Naphthalene	ND	330									
Nitrobenzene	ND	330									
Pentachlorophenol	ND	1600									
Phenanthrene	ND	330									
Phenol	ND	330									
Pyrene	ND	330									
Surr: 1,2-Dichlorobenzene-d4	2600		3330		76.8	46	105				
Surr: 2,4,6-Tribromophenol	2900		3330		86.6	46	146				
Surr: 2-Chlorophenol-d4	2500		3330		76.4	48	117				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **MB-27549** SampType: **MBLK** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/11/2006** RunNo: **62018**
Client ID: **PBS** Batch ID: **27549** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/12/2006** SeqNo: **917724**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorobiphenyl	2900		3330		85.8	54	112				
Surr: 2-Fluorophenol	2600		3330		76.9	45	119				
Surr: 4-Terphenyl-d14	3500		3330		106	46	135				
Surr: Nitrobenzene-d5	2800		3330		85.0	40	116				
Surr: Phenol-d5	2600		3330		78.8	37	127				

Sample ID: **LCS-27549** SampType: **LCS** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/11/2006** RunNo: **62018**
Client ID: **LCSS** Batch ID: **27549** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/12/2006** SeqNo: **917746**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2900	330	3330	0	86.5	58	117				
1,4-Dichlorobenzene	2500	330	3330	0	75.5	56	100				
2,4-Dinitrotoluene	3300	330	3330	0	98.3	71	135				
2-Chlorophenol	2500	330	3330	0	74.4	66	107				
4-Chloro-3-methylphenol	3100	660	3330	0	91.8	74	128				
4-Nitrophenol	3000	1600	3330	0	90.0	54	133				
Acenaphthene	3000	330	3330	0	90.5	73	118				
N-Nitrosodi-n-propylamine	2900	330	3330	0	86.1	67	113				
Pentachlorophenol	3200	1600	3330	0	96.0	78	127				
Phenol	2600	330	3330	0	78.2	67	110				
Pyrene	3000	330	3330	0	90.4	74	127				
Surr: 1,2-Dichlorobenzene-d4	2600		3330		78.7	46	105				
Surr: 2,4,6-Tribromophenol	3400		3330		101	46	146				
Surr: 2-Chlorophenol-d4	2700		3330		80.6	48	117				
Surr: 2-Fluorobiphenyl	3000		3330		91.3	54	112				
Surr: 2-Fluorophenol	2700		3330		82.6	45	119				
Surr: 4-Terphenyl-d14	3600		3330		110	46	135				
Surr: Nitrobenzene-d5	3000		3330		91.4	40	116				
Surr: Phenol-d5	2700		3330		82.4	37	127				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Work Order: 083675
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **083675-005AMS** SampType: **MS** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/11/2006** RunNo: **62018**
Client ID: **NM03-B1-21.5** Batch ID: **27549** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/12/2006** SeqNo: **917901**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2600	330	3330	0	78.0	45	126				
1,4-Dichlorobenzene	2300	330	3330	0	67.6	41	110				
2,4-Dinitrotoluene	3100	330	3330	0	92.6	57	139				
2-Chlorophenol	2200	330	3330	0	66.7	52	117				
4-Chloro-3-methylphenol	2900	660	3330	0	86.9	63	135				
4-Nitrophenol	2800	1600	3330	0	83.3	48	137				
Acenaphthene	2800	330	3330	0	82.8	59	129				
N-Nitrosodi-n-propylamine	2600	330	3330	0	77.5	41	135				
Pentachlorophenol	3000	1600	3330	0	89.1	55	146				
Phenol	2300	330	3330	0	69.3	51	122				
Pyrene	2800	330	3330	0	84.4	58	138				
Surr: 1,2-Dichlorobenzene-d4	2400		3330		71.4	46	105				
Surr: 2,4,6-Tribromophenol	3000		3330		90.6	46	146				
Surr: 2-Chlorophenol-d4	2400		3330		70.6	48	117				
Surr: 2-Fluorobiphenyl	2700		3330		82.2	54	112				
Surr: 2-Fluorophenol	2400		3330		73.3	45	119				
Surr: 4-Terphenyl-d14	3200		3330		95.9	46	135				
Surr: Nitrobenzene-d5	2700		3330		81.4	40	116				
Surr: Phenol-d5	2400		3330		72.5	37	127				

Sample ID: **083675-005AMSD** SampType: **MSD** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/11/2006** RunNo: **62018**
Client ID: **NM03-B1-21.5** Batch ID: **27549** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/12/2006** SeqNo: **917902**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	2400	330	3330	0	72.4	45	126	2599	7.51	30	
1,4-Dichlorobenzene	2000	330	3330	0	61.2	41	110	2252	9.96	30	
2,4-Dinitrotoluene	3000	330	3330	0	91.3	57	139	3084	1.38	30	
2-Chlorophenol	2100	330	3330	0	63.8	52	117	2223	4.48	30	
4-Chloro-3-methylphenol	2900	660	3330	0	86.2	63	135	2893	0.775	30	
4-Nitrophenol	2700	1600	3330	0	81.8	48	137	2774	1.79	30	
Acenaphthene	2700	330	3330	0	81.3	59	129	2758	1.83	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083675
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_S_FULL

Sample ID: **083675-005AMSD** SampType: **MSD** TestCode: **8270_S_FUL** Units: **µg/Kg** Prep Date: **4/11/2006** RunNo: **62018**
Client ID: **NM03-B1-21.5** Batch ID: **27549** TestNo: **EPA 8270C** **EPA 3550B** Analysis Date: **4/12/2006** SeqNo: **917902**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
N-Nitrosodi-n-propylamine	2500	330	3330	0	76.3	41	135	2580	1.50	30	
Pentachlorophenol	2900	1600	3330	0	85.8	55	146	2968	3.81	30	
Phenol	2300	330	3330	0	67.7	51	122	2308	2.32	30	
Pyrene	2800	330	3330	0	84.8	58	138	2810	0.556	30	
Surr: 1,2-Dichlorobenzene-d4	2200		3330		65.1	46	105		0	30	
Surr: 2,4,6-Tribromophenol	3000		3330		90.6	46	146		0	30	
Surr: 2-Chlorophenol-d4	2300		3330		67.8	48	117		0	30	
Surr: 2-Fluorobiphenyl	2700		3330		79.8	54	112		0	30	
Surr: 2-Fluorophenol	2300		3330		68.6	45	119		0	30	
Surr: 4-Terphenyl-d14	3300		3330		99.5	46	135		0	30	
Surr: Nitrobenzene-d5	2600		3330		76.7	40	116		0	30	
Surr: Phenol-d5	2400		3330		71.1	37	127		0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083675
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **MB-27546** SampType: **MBLK** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/11/2006** RunNo: **61990**
Client ID: **PBW** Batch ID: **27546** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/11/2006** SeqNo: **917320**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	10									
1,2-Dichlorobenzene	ND	10									
1,3-Dichlorobenzene	ND	10									
1,4-Dichlorobenzene	ND	10									
2,4,5-Trichlorophenol	ND	10									
2,4,6-Trichlorophenol	ND	10									
2,4-Dichlorophenol	ND	10									
2,4-Dimethylphenol	ND	10									
2,4-Dinitrophenol	ND	50									
2,4-Dinitrotoluene	ND	10									
2,6-Dinitrotoluene	ND	10									
2-Chloronaphthalene	ND	10									
2-Chlorophenol	ND	10									
2-Methylnaphthalene	ND	10									
2-Methylphenol	ND	10									
2-Nitroaniline	ND	50									
2-Nitrophenol	ND	10									
3,3´-Dichlorobenzidine	ND	20									
3-Nitroaniline	ND	50									
4,6-Dinitro-2-methylphenol	ND	50									
4-Bromophenyl-phenylether	ND	10									
4-Chloro-3-methylphenol	ND	50									
4-Chloroaniline	ND	20									
4-Chlorophenyl-phenylether	ND	10									
4-Methylphenol	ND	10									
4-Nitroaniline	ND	20									
4-Nitrophenol	ND	50									
Acenaphthene	ND	10									
Acenaphthylene	ND	10									
Anthracene	ND	10									
Benzidine (M)	ND	50									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **MB-27546**	SampType: **MBLK**	TestCode: **8270_W_FUL**	Units: **µg/L**	Prep Date: **4/11/2006**	RunNo: **61990**								
Client ID: **PBW**	Batch ID: **27546**	TestNo: **EPA 8270C**	**EPA 3510C**	Analysis Date: **4/11/2006**	SeqNo: **917320**								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Benzo(a)anthracene	ND	10											
Benzo(a)pyrene	ND	10											
Benzo(b)fluoranthene	ND	10											
Benzo(g,h,i)perylene	ND	10											
Benzo(k)fluoranthene	ND	10											
Benzoic acid	ND	50											
Benzyl alcohol	ND	20											
Bis(2-chloroethoxy)methane	ND	10											
Bis(2-chloroethyl)ether	ND	10											
Bis(2-chloroisopropyl)ether	ND	10											
Bis(2-ethylhexyl)phthalate	ND	10											
Butylbenzylphthalate	ND	10											
Chrysene	ND	10											
Di-n-butylphthalate	ND	10											
Di-n-octylphthalate	ND	10											
Dibenz(a,h)anthracene	ND	10											
Dibenzofuran	ND	10											
Diethylphthalate	ND	10											
Dimethylphthalate	ND	10											
Fluoranthene	ND	10											
Fluorene	ND	10											
Hexachlorobenzene	ND	10											
Hexachlorobutadiene	ND	20											
Hexachlorocyclopentadiene	ND	10											
Hexachloroethane	ND	10											
Indeno(1,2,3-cd)pyrene	ND	10											
Isophorone	ND	10											
N-Nitrosodi-n-propylamine	ND	10											
N-Nitrosodiphenylamine	ND	10											
Naphthalene	ND	10											
Nitrobenzene	ND	10											

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interferenc	DO	Surrogate Diluted Out
	Calculations are based on raw values				

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **MB-27546** SampType: **MBLK** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/11/2006** RunNo: **61990**
Client ID: **PBW** Batch ID: **27546** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/11/2006** SeqNo: **917320**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	ND	50									
Phenanthrene	ND	10									
Phenol	ND	10									
Pyrene	ND	10									
Surr: 1,2-Dichlorobenzene-d4	69		100.0		69.4	41	103				
Surr: 2,4,6-Tribromophenol	78		100.0		78.3	55	137				
Surr: 2-Chlorophenol-d4	69		100.0		68.7	34	117				
Surr: 2-Fluorobiphenyl	74		100.0		74.0	49	114				
Surr: 2-Fluorophenol	53		100.0		52.6	24	74				
Surr: 4-Terphenyl-d14	97		100.0		97.3	42	138				
Surr: Nitrobenzene-d5	80		100.0		79.9	47	115				
Surr: Phenol-d5	38		100.0		37.7	16	63				

Sample ID: **LCS-27546** SampType: **LCS** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/11/2006** RunNo: **61990**
Client ID: **LCSW** Batch ID: **27546** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/11/2006** SeqNo: **917321**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	79	10	100.0	0	79.3	60	120				
1,4-Dichlorobenzene	69	10	100.0	0	69.0	56	103				
2,4-Dinitrotoluene	84	10	100.0	0	83.5	71	136				
2-Chlorophenol	68	10	100.0	0	67.6	59	107				
4-Chloro-3-methylphenol	82	50	100.0	0	82.5	72	126				
4-Nitrophenol	ND	50	100.0	0	46.7	30	88				
Acenaphthene	82	10	100.0	0	81.6	72	119				
N-Nitrosodi-n-propylamine	82	10	100.0	0	82.0	65	120				
Pentachlorophenol	88	50	100.0	0	87.8	78	122				
Phenol	39	10	100.0	0	39.0	35	66				
Pyrene	82	10	100.0	0	81.8	73	127				
Surr: 1,2-Dichlorobenzene-d4	65		100.0		65.0	41	103				
Surr: 2,4,6-Tribromophenol	87		100.0		86.7	55	137				
Surr: 2-Chlorophenol-d4	72		100.0		72.3	34	117				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Work Order: 083675
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ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **LCS-27546** SampType: **LCS** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/11/2006** RunNo: **61990**
Client ID: **LCSW** Batch ID: **27546** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/11/2006** SeqNo: **917321**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorobiphenyl	76		100.0		75.9	49	114				
Surr: 2-Fluorophenol	56		100.0		56.2	24	74				
Surr: 4-Terphenyl-d14	93		100.0		93.2	42	138				
Surr: Nitrobenzene-d5	85		100.0		85.0	47	115				
Surr: Phenol-d5	39		100.0		39.5	16	63				

Sample ID: **MB-27546MS** SampType: **MS** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/11/2006** RunNo: **61990**
Client ID: **ZZZZZZ** Batch ID: **27546** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/11/2006** SeqNo: **917322**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	80	10	100.0	0	79.6	60	120				
1,4-Dichlorobenzene	70	10	100.0	0	70.1	56	103				
2,4-Dinitrotoluene	88	10	100.0	0	87.6	71	136				
2-Chlorophenol	68	10	100.0	0	68.1	59	107				
4-Chloro-3-methylphenol	83	50	100.0	0	82.8	72	126				
4-Nitrophenol	ND	50	100.0	0	49.3	30	88				
Acenaphthene	82	10	100.0	0	82.2	72	119				
N-Nitrosodi-n-propylamine	82	10	100.0	0	81.7	65	120				
Pentachlorophenol	88	50	100.0	0	87.6	78	122				
Phenol	40	10	100.0	0	39.5	35	66				
Pyrene	82	10	100.0	0	82.0	73	127				
Surr: 1,2-Dichlorobenzene-d4	66		100.0		66.0	41	103				
Surr: 2,4,6-Tribromophenol	89		100.0		88.9	55	137				
Surr: 2-Chlorophenol-d4	73		100.0		72.6	34	117				
Surr: 2-Fluorobiphenyl	76		100.0		76.4	49	114				
Surr: 2-Fluorophenol	57		100.0		56.6	24	74				
Surr: 4-Terphenyl-d14	97		100.0		96.9	42	138				
Surr: Nitrobenzene-d5	85		100.0		85.1	47	115				
Surr: Phenol-d5	40		100.0		39.7	16	63				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **MB-27546MSD** SampType: **MSD** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/11/2006** RunNo: **61990**
Client ID: **ZZZZZZ** Batch ID: **27546** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/11/2006** SeqNo: **917323**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	83	10	100.0	0	83.0	60	120	79.64	4.16	30	
1,4-Dichlorobenzene	73	10	100.0	0	72.8	56	103	70.11	3.72	30	
2,4-Dinitrotoluene	94	10	100.0	0	93.8	71	136	87.56	6.86	30	
2-Chlorophenol	69	10	100.0	0	69.1	59	107	68.12	1.44	30	
4-Chloro-3-methylphenol	85	50	100.0	0	84.8	72	126	82.81	2.40	30	
4-Nitrophenol	53	50	100.0	0	52.8	30	88	49.34	6.87	30	
Acenaphthene	85	10	100.0	0	85.1	72	119	82.21	3.44	30	
N-Nitrosodi-n-propylamine	83	10	100.0	0	83.0	65	120	81.68	1.65	30	
Pentachlorophenol	94	50	100.0	0	93.9	78	122	87.60	6.96	30	
Phenol	40	10	100.0	0	40.0	35	66	39.52	1.26	30	
Pyrene	90	10	100.0	0	89.8	73	127	82.02	9.00	30	
Surr: 1,2-Dichlorobenzene-d4	71		100.0		70.6	41	103		0	30	
Surr: 2,4,6-Tribromophenol	95		100.0		94.8	55	137		0	30	
Surr: 2-Chlorophenol-d4	74		100.0		73.7	34	117		0	30	
Surr: 2-Fluorobiphenyl	81		100.0		80.8	49	114		0	30	
Surr: 2-Fluorophenol	57		100.0		56.8	24	74		0	30	
Surr: 4-Terphenyl-d14	95		100.0		95.0	42	138		0	30	
Surr: Nitrobenzene-d5	88		100.0		88.3	47	115		0	30	
Surr: Phenol-d5	40		100.0		40.3	16	63		0	30	

Sample ID: **083675-008DDUP** SampType: **DUP** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/11/2006** RunNo: **61990**
Client ID: **NM03-B1-Equip** Batch ID: **27546** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/11/2006** SeqNo: **917500**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	10						0	0	30	
1,2-Dichlorobenzene	ND	10						0	0	30	
1,2-Diphenylhydrazine	ND	10						0	0	30	
1,3-Dichlorobenzene	ND	10						0	0	30	
1,4-Dichlorobenzene	ND	10						0	0	30	
1,4-Dioxane	ND	10						0	0	30	
2,4,5-Trichlorophenol	ND	10						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083675
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **083675-008DDUP** SampType: **DUP** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/11/2006** RunNo: **61990**
Client ID: **NM03-B1-Equip** Batch ID: **27546** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/11/2006** SeqNo: **917500**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,6-Trichlorophenol	ND	10						0	0	30	
2,4-Dichlorophenol	ND	10						0	0	30	
2,4-Dimethylphenol	ND	10						0	0	30	
2,4-Dinitrophenol	ND	50						0	0	30	
2,4-Dinitrotoluene	ND	10						0	0	30	
2,6-Dinitrotoluene	ND	10						0	0	30	
2-Chloronaphthalene	ND	10						0	0	30	
2-Chlorophenol	ND	10						0	0	30	
2-Methylnaphthalene	ND	10						0	0	30	
2-Methylphenol	ND	10						0	0	30	
2-Nitroaniline	ND	50						0	0	30	
2-Nitrophenol	ND	10						0	0	30	
3,3´-Dichlorobenzidine	ND	20						0	0	30	
3-Nitroaniline	ND	50						0	0	30	
4,6-Dinitro-2-methylphenol	ND	50						0	0	30	
4-Bromophenyl-phenylether	ND	10						0	0	30	
4-Chloro-3-methylphenol	ND	50						0	0	30	
4-Chloroaniline	ND	20						0	0	30	
4-Chlorophenyl-phenylether	ND	10						0	0	30	
3/4-Methylphenol	ND	10						0	0	0	
4-Methylphenol	ND	10						0	0	30	
4-Nitroaniline	ND	20						0	0	30	
4-Nitrophenol	ND	50						0	0	30	
Acenaphthene	ND	10						0	0	30	
Acenaphthylene	ND	10						0	0	30	
Aniline	ND	10						0	0	30	
Anthracene	ND	10						0	0	30	
Benzidine (M)	ND	50						0	0	30	
Benzo(a)anthracene	ND	10						0	0	30	
Benzo(a)pyrene	ND	10						0	0	30	
Benzo(b)fluoranthene	ND	10						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083675
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **083675-008DDUP** SampType: **DUP** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/11/2006** RunNo: **61990**
Client ID: **NM03-B1-Equip** Batch ID: **27546** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/11/2006** SeqNo: **917500**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(g,h,i)perylene	ND	10						0	0	30	
Benzo(k)fluoranthene	ND	10						0	0	30	
Benzoic acid	ND	50						0	0	30	
Benzyl alcohol	ND	20						0	0	30	
Bis(2-chloroethoxy)methane	ND	10						0	0	30	
Bis(2-chloroethyl)ether	ND	10						0	0	30	
Bis(2-chloroisopropyl)ether	ND	10						0	0	30	
Bis(2-ethylhexyl)phthalate	ND	10						0	0	30	
Butylbenzylphthalate	ND	10						0	0	30	
Carbazole	ND	10						0	0	30	
Chrysene	ND	10						0	0	30	
Di-n-butylphthalate	ND	10						0	0	30	
Di-n-octylphthalate	ND	10						0	0	30	
Dibenz(a,h)anthracene	ND	10						0	0	30	
Dibenzofuran	ND	10						0	0	30	
Diethylphthalate	ND	10						0	0	30	
Dimethylphthalate	ND	10						0	0	30	
Fluoranthene	ND	10						0	0	30	
Fluorene	ND	10						0	0	30	
Hexachlorobenzene	ND	10						0	0	30	
Hexachlorobutadiene	ND	20						0	0	30	
Hexachlorocyclopentadiene	ND	10						0	0	30	
Hexachloroethane	ND	10						0	0	30	
Indeno(1,2,3-cd)pyrene	ND	10						0	0	30	
Isophorone	ND	10						0	0	30	
N-Nitrosodi-n-propylamine	ND	10						0	0	30	
N-Nitrosodimethylamine	ND	50						0	0	30	
N-Nitrosodiphenylamine	ND	10						0	0	30	
Naphthalene	ND	10						0	0	30	
Nitrobenzene	ND	10						0	0	30	
Pentachlorophenol	ND	50						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270_W_FULL

Sample ID: **083675-008DDUP** SampType: **DUP** TestCode: **8270_W_FUL** Units: **µg/L** Prep Date: **4/11/2006** RunNo: **61990**
Client ID: **NM03-B1-Equip** Batch ID: **27546** TestNo: **EPA 8270C** **EPA 3510C** Analysis Date: **4/11/2006** SeqNo: **917500**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenanthrene	ND	10						0	0	30	
Phenol	ND	10						0	0	30	
Pyrene	ND	10						0	0	30	
Pyridine	ND	50						0	0	30	
Surr: 1,2-Dichlorobenzene-d4	63		100.0		63.0	41	103		0	30	
Surr: 2,4,6-Tribromophenol	71		100.0		71.2	55	137		0	30	
Surr: 2-Chlorophenol-d4	62		100.0		62.4	34	117		0	30	
Surr: 2-Fluorobiphenyl	69		100.0		69.2	49	114		0	30	
Surr: 2-Fluorophenol	38		100.0		37.9	24	74		0	30	
Surr: 4-Terphenyl-d14	85		100.0		85.2	42	138		0	30	
Surr: Nitrobenzene-d5	75		100.0		75.0	47	115		0	30	
Surr: Phenol-d5	24		100.0		23.9	16	63		0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY RECORD

Pg ____ of ____

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: ____

Logged By: DZ Date: 04/06/06

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other: ____

Sample Condition Upon Receipt:
1. CHILLED 5/10°C Y☑ N☐ 4. SEALED Y☐ N☑
2. HEADSPACE (VOA) Y☑ N☐ 5. # OF SPLS MATCH COC Y☑ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☐ N☑

Client: Ninyo & Moore
Attn: Scott Snyder
Address: 5710 Ruffin Rd
City: San Diego State: CA Zip Code: 92123
TEL: (858) 576-1000
FAX: (858) 576-9600

Project Name: I-5 Expansion Project #: 10581200 1 Sampler: (Printed Name) Matt Fulk (Signature) M. Fulk

Relinquished by: (Signature and Printed Name) M. Fulk Date: 4/7/06 Time: 1805 Received by: (Signature and Printed Name) Date: 4/7/06 Time: 1805
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: 04/08/06 Time: 0800
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Matt Fulk (Print Name) ____ (Date) M. Fulk (Signature)

Send Report To:
Attn: Scott Snyder
Co: Ninyo & Moore
Address: 5710 Ruffin
City: SD State: CA Zip: 92123

Bill To:
Attn: Same as
Co: ____
Address: ____
City: ____ State: ____ Zip: ____

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested: 8081A (Pesticides) MF 4-6-06; 8082 (PCB); 8260B (Volatiles); 8270C (BNA); 6010B (Total Metal); 8015B (GRO) / BTEX; 8015B (DRO); Total Lead; 8015 TPH-gas; 8015 TPH diesel; 8270 SVOC; ~~Lowrey~~

SPECIFY APPROPRIATE MATRIX: SOIL; WATER; GROUND WATER; WASTEWATER

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / BTEX	8015B (DRO)	Total Lead	8015 TPH-gas	8015 TPH diesel	8270 SVOC	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Type	PRESERVATION	REMARKS
	0536075-001	NM03-B1-0.5	4/6/06	0910							X					X				E	1	J G	C	
	-002	NM03-B1-TRIP		0920		X											X				2	V G	H	
	-003	NM03-B1-6.5		0928							X					X					1	T M	C	HOLD
	-004	NM03-B1-16.5		0948	X	X		X				X	X	X		X					1		C	
	-005	NM03-B1-21.5		1002		X	X	X				X	X	X		X					1		C	
	-006	NM03-B1-25.5		1017		X	X	X				X	X	X		X					1		C	
	-007	NM03-B1-GW		1200		X	X	X				X	X	X				X			10	V G	H, C, N	
	-008	NM03-B1-Equip		1230		X	X	X				X	X	X			X				10			
	-009	NM03-B1-12'		0937																	1	T M	C	HOLD

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr; B= Emergency Next workday; C= Critical 2 Workdays; D= Urgent 3 Workdays; E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=HCl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

April 10, 2006

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 083497

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

RE: I-5 EXPANSION, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on April 03, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: *10-Apr-06*

CLIENT: Ninyo & Moore
Project: I-5 EXPANSION, 105812001
Lab Order: 083497
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
083497-001A	TRIP-03	Water	4/3/2006	4/3/2006	4/10/2006
083497-002A	MW-23	Ground Water	4/3/2006	4/3/2006	4/10/2006
083497-002B	MW-23	Ground Water	4/3/2006	4/3/2006	4/10/2006
083497-002C	MW-23	Ground Water	4/3/2006	4/3/2006	4/10/2006
083497-003A	MW-22	Ground Water	4/3/2006	4/3/2006	4/10/2006
083497-003B	MW-22	Ground Water	4/3/2006	4/3/2006	4/10/2006
083497-003C	MW-22	Ground Water	4/3/2006	4/3/2006	4/10/2006
083497-004A	MW-X	Ground Water	4/3/2006	4/3/2006	4/10/2006
083497-004B	MW-X	Ground Water	4/3/2006	4/3/2006	4/10/2006
083497-004C	MW-X	Ground Water	4/3/2006	4/3/2006	4/10/2006
083497-005A	MW-26	Ground Water	4/3/2006	4/3/2006	4/10/2006
083497-005B	MW-26	Ground Water	4/3/2006	4/3/2006	4/10/2006
083497-005C	MW-26	Ground Water	4/3/2006	4/3/2006	4/10/2006
083497-006A	Equip-03	Ground Water	4/3/2006	4/3/2006	4/10/2006
083497-006B	Equip-03	Ground Water	4/3/2006	4/3/2006	4/10/2006
083497-006C	Equip-03	Ground Water	4/3/2006	4/3/2006	4/10/2006
083497-007A	MW-21	Ground Water	4/3/2006	4/3/2006	4/10/2006
083497-007B	MW-21	Ground Water	4/3/2006	4/3/2006	4/10/2006
083497-007C	MW-21	Ground Water	4/3/2006	4/3/2006	4/10/2006

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Advanced Technology Laboratories

Date: *10-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	TRIP-03
Lab Order:	083497	**Collection Date:**	4/3/2006 10:30:00 AM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083497-001	**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060405B	QC Batch: Q06VW073			PrepDate:		Analyst: **HH**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	4/6/2006
1,1,1-Trichloroethane	ND	5.0		µg/L	1	4/6/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	4/6/2006
1,1,2-Trichloroethane	ND	5.0		µg/L	1	4/6/2006
1,1-Dichloroethane	ND	5.0		µg/L	1	4/6/2006
1,1-Dichloroethene	ND	5.0		µg/L	1	4/6/2006
1,1-Dichloropropene	ND	5.0		µg/L	1	4/6/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/L	1	4/6/2006
1,2,3-Trichloropropane	ND	5.0		µg/L	1	4/6/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	4/6/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/L	1	4/6/2006
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	4/6/2006
1,2-Dibromoethane	ND	5.0		µg/L	1	4/6/2006
1,2-Dichlorobenzene	ND	5.0		µg/L	1	4/6/2006
1,2-Dichloroethane	ND	5.0		µg/L	1	4/6/2006
1,2-Dichloropropane	ND	5.0		µg/L	1	4/6/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	4/6/2006
1,3-Dichlorobenzene	ND	5.0		µg/L	1	4/6/2006
1,3-Dichloropropane	ND	5.0		µg/L	1	4/6/2006
1,4-Dichlorobenzene	ND	5.0		µg/L	1	4/6/2006
2,2-Dichloropropane	ND	5.0		µg/L	1	4/6/2006
2-Chlorotoluene	ND	5.0		µg/L	1	4/6/2006
4-Chlorotoluene	ND	5.0		µg/L	1	4/6/2006
4-Isopropyltoluene	ND	5.0		µg/L	1	4/6/2006
Benzene	ND	5.0		µg/L	1	4/6/2006
Bromobenzene	ND	5.0		µg/L	1	4/6/2006
Bromodichloromethane	ND	5.0		µg/L	1	4/6/2006
Bromoform	ND	5.0		µg/L	1	4/6/2006
Bromomethane	ND	5.0		µg/L	1	4/6/2006
Carbon tetrachloride	ND	5.0		µg/L	1	4/6/2006
Chlorobenzene	ND	5.0		µg/L	1	4/6/2006
Chloroethane	ND	5.0		µg/L	1	4/6/2006
Chloroform	ND	5.0		µg/L	1	4/6/2006
Chloromethane	ND	5.0		µg/L	1	4/6/2006
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	4/6/2006
Dibromochloromethane	ND	5.0		µg/L	1	4/6/2006
Dibromomethane	ND	5.0		µg/L	1	4/6/2006
Dichlorodifluoromethane	ND	5.0		µg/L	1	4/6/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: *10-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	TRIP-03
Lab Order:	083497	**Collection Date:**	4/3/2006 10:30:00 AM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083497-001	**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060405B	QC Batch:	Q06VW073		PrepDate:		Analyst: **HH**
Ethylbenzene	ND	5.0		µg/L	1	4/6/2006
Hexachlorobutadiene	ND	5.0		µg/L	1	4/6/2006
Isopropylbenzene	ND	5.0		µg/L	1	4/6/2006
m,p-Xylene	ND	10		µg/L	1	4/6/2006
Methylene chloride	ND	5.0		µg/L	1	4/6/2006
n-Butylbenzene	ND	5.0		µg/L	1	4/6/2006
n-Propylbenzene	ND	5.0		µg/L	1	4/6/2006
Naphthalene	ND	5.0		µg/L	1	4/6/2006
o-Xylene	ND	5.0		µg/L	1	4/6/2006
sec-Butylbenzene	ND	5.0		µg/L	1	4/6/2006
Styrene	ND	5.0		µg/L	1	4/6/2006
tert-Butylbenzene	ND	5.0		µg/L	1	4/6/2006
Tetrachloroethene	ND	5.0		µg/L	1	4/6/2006
Toluene	ND	5.0		µg/L	1	4/6/2006
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	4/6/2006
Trichloroethene	ND	5.0		µg/L	1	4/6/2006
Trichlorofluoromethane	ND	5.0		µg/L	1	4/6/2006
Vinyl chloride	ND	5.0		µg/L	1	4/6/2006
Surr: 1,2-Dichloroethane-d4	113	70-126		%REC	1	4/6/2006
Surr: 4-Bromofluorobenzene	95.6	63-134		%REC	1	4/6/2006
Surr: Dibromofluoromethane	114	73-124		%REC	1	4/6/2006
Surr: Toluene-d8	98.4	84-123		%REC	1	4/6/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: *10-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	MW-23
Lab Order:	083497	**Collection Date:**	4/3/2006 12:25:00 PM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083497-002	**Matrix:**	GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3510C				**EPA 8015B(M)**		
RunID: GC7_BACK_060406A QC Batch: 27460				PrepDate: 4/5/2006		Analyst: **CBR**
DRO	3.1	0.20		mg/L	1	4/6/2006
Surr: p-Terphenyl	63.0	32-125		%REC	1	4/6/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC6_060404A QC Batch: I06VW086				PrepDate:		Analyst: **EA**
GRO	28	0.20		mg/L	1	4/4/2006
Surr: Bromofluorobenzene (FID)	101	76-125		%REC	1	4/4/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060405B QC Batch: Q06VW073				PrepDate:		Analyst: **HH**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	4/6/2006
1,1,1-Trichloroethane	ND	5.0		µg/L	1	4/6/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	4/6/2006
1,1,2-Trichloroethane	ND	5.0		µg/L	1	4/6/2006
1,1-Dichloroethane	ND	5.0		µg/L	1	4/6/2006
1,1-Dichloroethene	ND	5.0		µg/L	1	4/6/2006
1,1-Dichloropropene	ND	5.0		µg/L	1	4/6/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/L	1	4/6/2006
1,2,3-Trichloropropane	ND	5.0		µg/L	1	4/6/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	4/6/2006
1,2,4-Trimethylbenzene	29	5.0		µg/L	1	4/6/2006
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	4/6/2006
1,2-Dibromoethane	ND	5.0		µg/L	1	4/6/2006
1,2-Dichlorobenzene	ND	5.0		µg/L	1	4/6/2006
1,2-Dichloroethane	ND	5.0		µg/L	1	4/6/2006
1,2-Dichloropropane	ND	5.0		µg/L	1	4/6/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	4/6/2006
1,3-Dichlorobenzene	ND	5.0		µg/L	1	4/6/2006
1,3-Dichloropropane	ND	5.0		µg/L	1	4/6/2006
1,4-Dichlorobenzene	ND	5.0		µg/L	1	4/6/2006
2,2-Dichloropropane	ND	5.0		µg/L	1	4/6/2006
2-Chlorotoluene	ND	5.0		µg/L	1	4/6/2006
4-Chlorotoluene	ND	5.0		µg/L	1	4/6/2006
4-Isopropyltoluene	ND	5.0		µg/L	1	4/6/2006
Benzene	17000	5000		µg/L	1000	4/6/2006
Bromobenzene	ND	5.0		µg/L	1	4/6/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *10-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	MW-23
Lab Order:	083497	**Collection Date:**	4/3/2006 12:25:00 PM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083497-002	**Matrix:**	GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060405B	QC Batch:	Q06VW073		PrepDate:		Analyst: **HH**
Bromodichloromethane	ND	5.0		µg/L	1	4/6/2006
Bromoform	ND	5.0		µg/L	1	4/6/2006
Bromomethane	ND	5.0		µg/L	1	4/6/2006
Carbon tetrachloride	ND	5.0		µg/L	1	4/6/2006
Chlorobenzene	ND	5.0		µg/L	1	4/6/2006
Chloroethane	ND	5.0		µg/L	1	4/6/2006
Chloroform	ND	5.0		µg/L	1	4/6/2006
Chloromethane	ND	5.0		µg/L	1	4/6/2006
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	4/6/2006
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	4/6/2006
Di-isopropyl ether	ND	5.0		µg/L	1	4/6/2006
Dibromochloromethane	ND	5.0		µg/L	1	4/6/2006
Dibromomethane	ND	5.0		µg/L	1	4/6/2006
Dichlorodifluoromethane	ND	5.0		µg/L	1	4/6/2006
Ethyl tert-butyl ether	ND	5.0		µg/L	1	4/6/2006
Ethylbenzene	34	5.0		µg/L	1	4/6/2006
Hexachlorobutadiene	ND	5.0		µg/L	1	4/6/2006
Isopropylbenzene	41	5.0		µg/L	1	4/6/2006
m,p-Xylene	ND	10		µg/L	1	4/6/2006
Methylene chloride	ND	5.0		µg/L	1	4/6/2006
MTBE	990	100		µg/L	20	4/6/2006
n-Butylbenzene	ND	5.0		µg/L	1	4/6/2006
n-Propylbenzene	70	5.0		µg/L	1	4/6/2006
Naphthalene	180	100		µg/L	20	4/6/2006
o-Xylene	ND	5.0		µg/L	1	4/6/2006
sec-Butylbenzene	ND	5.0		µg/L	1	4/6/2006
Styrene	ND	5.0		µg/L	1	4/6/2006
Tert-amyl methyl ether	ND	5.0		µg/L	1	4/6/2006
Tert-Butanol	ND	100		µg/L	1	4/6/2006
tert-Butylbenzene	ND	5.0		µg/L	1	4/6/2006
Tetrachloroethene	ND	5.0		µg/L	1	4/6/2006
Toluene	14	5.0		µg/L	1	4/6/2006
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	4/6/2006
Trichloroethene	ND	5.0		µg/L	1	4/6/2006
Trichlorofluoromethane	ND	5.0		µg/L	1	4/6/2006
Vinyl chloride	ND	5.0		µg/L	1	4/6/2006
Surr: 1,2-Dichloroethane-d4	116	70-126		%REC	1	4/6/2006
Surr: 4-Bromofluorobenzene	107	63-134		%REC	1	4/6/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *10-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	MW-23
Lab Order:	083497	**Collection Date:**	4/3/2006 12:25:00 PM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083497-002	**Matrix:**	GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060405B	QC Batch: Q06VW073			PrepDate:		Analyst: **HH**
Surr: Dibromofluoromethane	108	73-124		%REC	1	4/6/2006
Surr: Toluene-d8	106	84-123		%REC	1	4/6/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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Date: *10-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	MW-22
Lab Order:	083497	**Collection Date:**	4/3/2006 12:50:00 PM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083497-003	**Matrix:**	GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3510C				**EPA 8015B(M)**		
RunID: GC7_BACK_060406A QC Batch: 27460				PrepDate: 4/5/2006		Analyst: **CBR**
DRO	1.2	0.20		mg/L	1	4/6/2006
Surr: p-Terphenyl	60.4	32-125		%REC	1	4/6/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC6_060404A QC Batch: I06VW086				PrepDate:		Analyst: **EA**
GRO	1.2	0.20		mg/L	1	4/4/2006
Surr: Bromofluorobenzene (FID)	99.2	76-125		%REC	1	4/4/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060405B QC Batch: Q06VW073				PrepDate:		Analyst: **HH**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	4/6/2006
1,1,1-Trichloroethane	ND	5.0		µg/L	1	4/6/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	4/6/2006
1,1,2-Trichloroethane	ND	5.0		µg/L	1	4/6/2006
1,1-Dichloroethane	ND	5.0		µg/L	1	4/6/2006
1,1-Dichloroethene	ND	5.0		µg/L	1	4/6/2006
1,1-Dichloropropene	ND	5.0		µg/L	1	4/6/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/L	1	4/6/2006
1,2,3-Trichloropropane	ND	5.0		µg/L	1	4/6/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	4/6/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/L	1	4/6/2006
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	4/6/2006
1,2-Dibromoethane	ND	5.0		µg/L	1	4/6/2006
1,2-Dichlorobenzene	ND	5.0		µg/L	1	4/6/2006
1,2-Dichloroethane	ND	5.0		µg/L	1	4/6/2006
1,2-Dichloropropane	ND	5.0		µg/L	1	4/6/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	4/6/2006
1,3-Dichlorobenzene	ND	5.0		µg/L	1	4/6/2006
1,3-Dichloropropane	ND	5.0		µg/L	1	4/6/2006
1,4-Dichlorobenzene	ND	5.0		µg/L	1	4/6/2006
2,2-Dichloropropane	ND	5.0		µg/L	1	4/6/2006
2-Chlorotoluene	ND	5.0		µg/L	1	4/6/2006
4-Chlorotoluene	ND	5.0		µg/L	1	4/6/2006
4-Isopropyltoluene	ND	5.0		µg/L	1	4/6/2006
Benzene	96	5.0		µg/L	1	4/6/2006
Bromobenzene	ND	5.0		µg/L	1	4/6/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Date: *10-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	MW-22
Lab Order:	083497	**Collection Date:**	4/3/2006 12:50:00 PM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083497-003	**Matrix:**	GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060405B	QC Batch:	Q06VW073		PrepDate:		Analyst: **HH**
Bromodichloromethane	ND	5.0		µg/L	1	4/6/2006
Bromoform	ND	5.0		µg/L	1	4/6/2006
Bromomethane	ND	5.0		µg/L	1	4/6/2006
Carbon tetrachloride	ND	5.0		µg/L	1	4/6/2006
Chlorobenzene	ND	5.0		µg/L	1	4/6/2006
Chloroethane	ND	5.0		µg/L	1	4/6/2006
Chloroform	ND	5.0		µg/L	1	4/6/2006
Chloromethane	ND	5.0		µg/L	1	4/6/2006
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	4/6/2006
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	4/6/2006
Di-isopropyl ether	ND	5.0		µg/L	1	4/6/2006
Dibromochloromethane	ND	5.0		µg/L	1	4/6/2006
Dibromomethane	ND	5.0		µg/L	1	4/6/2006
Dichlorodifluoromethane	ND	5.0		µg/L	1	4/6/2006
Ethyl tert-butyl ether	ND	5.0		µg/L	1	4/6/2006
Ethylbenzene	ND	5.0		µg/L	1	4/6/2006
Hexachlorobutadiene	ND	5.0		µg/L	1	4/6/2006
Isopropylbenzene	ND	5.0		µg/L	1	4/6/2006
m,p-Xylene	ND	10		µg/L	1	4/6/2006
Methylene chloride	ND	5.0		µg/L	1	4/6/2006
MTBE	1100	250		µg/L	50	4/6/2006
n-Butylbenzene	ND	5.0		µg/L	1	4/6/2006
n-Propylbenzene	ND	5.0		µg/L	1	4/6/2006
Naphthalene	6.8	5.0		µg/L	1	4/6/2006
o-Xylene	ND	5.0		µg/L	1	4/6/2006
sec-Butylbenzene	ND	5.0		µg/L	1	4/6/2006
Styrene	ND	5.0		µg/L	1	4/6/2006
Tert-amyl methyl ether	ND	5.0		µg/L	1	4/6/2006
Tert-Butanol	ND	100		µg/L	1	4/6/2006
tert-Butylbenzene	ND	5.0		µg/L	1	4/6/2006
Tetrachloroethene	ND	5.0		µg/L	1	4/6/2006
Toluene	ND	5.0		µg/L	1	4/6/2006
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	4/6/2006
Trichloroethene	ND	5.0		µg/L	1	4/6/2006
Trichlorofluoromethane	ND	5.0		µg/L	1	4/6/2006
Vinyl chloride	ND	5.0		µg/L	1	4/6/2006
Surr: 1,2-Dichloroethane-d4	103	70-126		%REC	1	4/6/2006
Surr: 4-Bromofluorobenzene	101	63-134		%REC	1	4/6/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *10-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	MW-22
Lab Order:	083497	**Collection Date:**	4/3/2006 12:50:00 PM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083497-003	**Matrix:**	GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060405B	QC Batch: Q06VW073			PrepDate:		Analyst: **HH**
Surr: Dibromofluoromethane	108	73-124		%REC	1	4/6/2006
Surr: Toluene-d8	106	84-123		%REC	1	4/6/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Date: *10-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	MW-X
Lab Order:	083497	**Collection Date:**	4/3/2006 1:10:00 PM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083497-004	**Matrix:**	GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3510C				**EPA 8015B(M)**		
RunID: GC7_BACK_060406A	QC Batch: 27460			PrepDate: 4/5/2006		Analyst: **CBR**
DRO	1.7	0.20		mg/L	1	4/6/2006
Surr: p-Terphenyl	56.1	32-125		%REC	1	4/6/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC6_060404B	QC Batch: I06VW087			PrepDate:		Analyst: **EA**
GRO	ND	2.0		mg/L	10	4/4/2006
Surr: Bromofluorobenzene (FID)	97.6	76-125		%REC	10	4/4/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060405B	QC Batch: Q06VW073			PrepDate:		Analyst: **HH**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	4/6/2006
1,1,1-Trichloroethane	ND	5.0		µg/L	1	4/6/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	4/6/2006
1,1,2-Trichloroethane	ND	5.0		µg/L	1	4/6/2006
1,1-Dichloroethane	ND	5.0		µg/L	1	4/6/2006
1,1-Dichloroethene	ND	5.0		µg/L	1	4/6/2006
1,1-Dichloropropene	ND	5.0		µg/L	1	4/6/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/L	1	4/6/2006
1,2,3-Trichloropropane	ND	5.0		µg/L	1	4/6/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	4/6/2006
1,2,4-Trimethylbenzene	8.5	5.0		µg/L	1	4/6/2006
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	4/6/2006
1,2-Dibromoethane	ND	5.0		µg/L	1	4/6/2006
1,2-Dichlorobenzene	ND	5.0		µg/L	1	4/6/2006
1,2-Dichloroethane	ND	5.0		µg/L	1	4/6/2006
1,2-Dichloropropane	ND	5.0		µg/L	1	4/6/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	4/6/2006
1,3-Dichlorobenzene	ND	5.0		µg/L	1	4/6/2006
1,3-Dichloropropane	ND	5.0		µg/L	1	4/6/2006
1,4-Dichlorobenzene	ND	5.0		µg/L	1	4/6/2006
2,2-Dichloropropane	ND	5.0		µg/L	1	4/6/2006
2-Chlorotoluene	ND	5.0		µg/L	1	4/6/2006
4-Chlorotoluene	ND	5.0		µg/L	1	4/6/2006
4-Isopropyltoluene	ND	5.0		µg/L	1	4/6/2006
Benzene	80	5.0		µg/L	1	4/6/2006
Bromobenzene	ND	5.0		µg/L	1	4/6/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *10-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083497
Project: I-5 EXPANSION, 105812001
Lab ID: 083497-004

Client Sample ID: MW-X
Collection Date: 4/3/2006 1:10:00 PM
Matrix: GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060405B	QC Batch:	Q06VW073		PrepDate:		Analyst: **HH**
Bromodichloromethane	ND	5.0		µg/L	1	4/6/2006
Bromoform	ND	5.0		µg/L	1	4/6/2006
Bromomethane	ND	5.0		µg/L	1	4/6/2006
Carbon tetrachloride	ND	5.0		µg/L	1	4/6/2006
Chlorobenzene	ND	5.0		µg/L	1	4/6/2006
Chloroethane	ND	5.0		µg/L	1	4/6/2006
Chloroform	ND	5.0		µg/L	1	4/6/2006
Chloromethane	ND	5.0		µg/L	1	4/6/2006
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	4/6/2006
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	4/6/2006
Di-isopropyl ether	ND	5.0		µg/L	1	4/6/2006
Dibromochloromethane	ND	5.0		µg/L	1	4/6/2006
Dibromomethane	ND	5.0		µg/L	1	4/6/2006
Dichlorodifluoromethane	ND	5.0		µg/L	1	4/6/2006
Ethyl tert-butyl ether	ND	5.0		µg/L	1	4/6/2006
Ethylbenzene	22	5.0		µg/L	1	4/6/2006
Hexachlorobutadiene	ND	5.0		µg/L	1	4/6/2006
Isopropylbenzene	14	5.0		µg/L	1	4/6/2006
m,p-Xylene	20	10		µg/L	1	4/6/2006
Methylene chloride	ND	5.0		µg/L	1	4/6/2006
MTBE	380	50		µg/L	10	4/6/2006
n-Butylbenzene	ND	5.0		µg/L	1	4/6/2006
n-Propylbenzene	25	5.0		µg/L	1	4/6/2006
Naphthalene	5.1	5.0		µg/L	1	4/6/2006
o-Xylene	11	5.0		µg/L	1	4/6/2006
sec-Butylbenzene	5.6	5.0		µg/L	1	4/6/2006
Styrene	ND	5.0		µg/L	1	4/6/2006
Tert-amyl methyl ether	ND	5.0		µg/L	1	4/6/2006
Tert-Butanol	ND	100		µg/L	1	4/6/2006
tert-Butylbenzene	ND	5.0		µg/L	1	4/6/2006
Tetrachloroethene	ND	5.0		µg/L	1	4/6/2006
Toluene	77	5.0		µg/L	1	4/6/2006
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	4/6/2006
Trichloroethene	ND	5.0		µg/L	1	4/6/2006
Trichlorofluoromethane	ND	5.0		µg/L	1	4/6/2006
Vinyl chloride	ND	5.0		µg/L	1	4/6/2006
Surr: 1,2-Dichloroethane-d4	102	70-126		%REC	1	4/6/2006
Surr: 4-Bromofluorobenzene	92.6	63-134		%REC	1	4/6/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *10-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	MW-X
Lab Order:	083497	**Collection Date:**	4/3/2006 1:10:00 PM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083497-004	**Matrix:**	GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060405B	QC Batch: Q06VW073			PrepDate:		Analyst: **HH**
Surr: Dibromofluoromethane	104	73-124		%REC	1	4/6/2006
Surr: Toluene-d8	102	84-123		%REC	1	4/6/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Date: *10-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	MW-26
Lab Order:	083497	**Collection Date:**	4/3/2006 3:10:00 PM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083497-005	**Matrix:**	GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3510C				**EPA 8015B(M)**		
RunID: GC7_BACK_060406A QC Batch: 27460				PrepDate: 4/5/2006		Analyst: **CBR**
DRO	0.23	0.20		mg/L	1	4/6/2006
Surr: p-Terphenyl	61.6	32-125		%REC	1	4/6/2006
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B(M)						
RunID: GC6_060404A QC Batch: I06VW086				PrepDate:		Analyst: **EA**
GRO	ND	0.20		mg/L	1	4/4/2006
Surr: Bromofluorobenzene (FID)	97.4	76-125		%REC	1	4/4/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 8260B						
RunID: MS2_060405B QC Batch: Q06VW073				PrepDate:		Analyst: **HH**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	4/6/2006
1,1,1-Trichloroethane	ND	5.0		µg/L	1	4/6/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	4/6/2006
1,1,2-Trichloroethane	ND	5.0		µg/L	1	4/6/2006
1,1-Dichloroethane	ND	5.0		µg/L	1	4/6/2006
1,1-Dichloroethene	ND	5.0		µg/L	1	4/6/2006
1,1-Dichloropropene	ND	5.0		µg/L	1	4/6/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/L	1	4/6/2006
1,2,3-Trichloropropane	ND	5.0		µg/L	1	4/6/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	4/6/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/L	1	4/6/2006
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	4/6/2006
1,2-Dibromoethane	ND	5.0		µg/L	1	4/6/2006
1,2-Dichlorobenzene	ND	5.0		µg/L	1	4/6/2006
1,2-Dichloroethane	ND	5.0		µg/L	1	4/6/2006
1,2-Dichloropropane	ND	5.0		µg/L	1	4/6/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	4/6/2006
1,3-Dichlorobenzene	ND	5.0		µg/L	1	4/6/2006
1,3-Dichloropropane	ND	5.0		µg/L	1	4/6/2006
1,4-Dichlorobenzene	ND	5.0		µg/L	1	4/6/2006
2,2-Dichloropropane	ND	5.0		µg/L	1	4/6/2006
2-Chlorotoluene	ND	5.0		µg/L	1	4/6/2006
4-Chlorotoluene	ND	5.0		µg/L	1	4/6/2006
4-Isopropyltoluene	ND	5.0		µg/L	1	4/6/2006
Benzene	ND	5.0		µg/L	1	4/6/2006
Bromobenzene	ND	5.0		µg/L	1	4/6/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Date: *10-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	MW-26
Lab Order:	083497	**Collection Date:**	4/3/2006 3:10:00 PM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083497-005	**Matrix:**	GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060405B	QC Batch:	Q06VW073		PrepDate:		Analyst: **HH**
Bromodichloromethane	ND	5.0		µg/L	1	4/6/2006
Bromoform	ND	5.0		µg/L	1	4/6/2006
Bromomethane	ND	5.0		µg/L	1	4/6/2006
Carbon tetrachloride	ND	5.0		µg/L	1	4/6/2006
Chlorobenzene	ND	5.0		µg/L	1	4/6/2006
Chloroethane	ND	5.0		µg/L	1	4/6/2006
Chloroform	ND	5.0		µg/L	1	4/6/2006
Chloromethane	ND	5.0		µg/L	1	4/6/2006
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	4/6/2006
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	4/6/2006
Di-isopropyl ether	ND	5.0		µg/L	1	4/6/2006
Dibromochloromethane	ND	5.0		µg/L	1	4/6/2006
Dibromomethane	ND	5.0		µg/L	1	4/6/2006
Dichlorodifluoromethane	ND	5.0		µg/L	1	4/6/2006
Ethyl tert-butyl ether	ND	5.0		µg/L	1	4/6/2006
Ethylbenzene	ND	5.0		µg/L	1	4/6/2006
Hexachlorobutadiene	ND	5.0		µg/L	1	4/6/2006
Isopropylbenzene	ND	5.0		µg/L	1	4/6/2006
m,p-Xylene	ND	10		µg/L	1	4/6/2006
Methylene chloride	ND	5.0		µg/L	1	4/6/2006
MTBE	6.5	5.0		µg/L	1	4/6/2006
n-Butylbenzene	ND	5.0		µg/L	1	4/6/2006
n-Propylbenzene	ND	5.0		µg/L	1	4/6/2006
Naphthalene	ND	5.0		µg/L	1	4/6/2006
o-Xylene	ND	5.0		µg/L	1	4/6/2006
sec-Butylbenzene	ND	5.0		µg/L	1	4/6/2006
Styrene	ND	5.0		µg/L	1	4/6/2006
Tert-amyl methyl ether	ND	5.0		µg/L	1	4/6/2006
Tert-Butanol	ND	100		µg/L	1	4/6/2006
tert-Butylbenzene	ND	5.0		µg/L	1	4/6/2006
Tetrachloroethene	ND	5.0		µg/L	1	4/6/2006
Toluene	ND	5.0		µg/L	1	4/6/2006
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	4/6/2006
Trichloroethene	ND	5.0		µg/L	1	4/6/2006
Trichlorofluoromethane	ND	5.0		µg/L	1	4/6/2006
Vinyl chloride	ND	5.0		µg/L	1	4/6/2006
Surr: 1,2-Dichloroethane-d4	103	70-126		%REC	1	4/6/2006
Surr: 4-Bromofluorobenzene	98.3	63-134		%REC	1	4/6/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Date: *10-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	MW-26
Lab Order:	083497	**Collection Date:**	4/3/2006 3:10:00 PM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083497-005	**Matrix:**	GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060405B	QC Batch: Q06VW073			PrepDate:		Analyst: **HH**
Surr: Dibromofluoromethane	107	73-124		%REC	1	4/6/2006
Surr: Toluene-d8	106	84-123		%REC	1	4/6/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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Date: *10-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	Equip-03
Lab Order:	083497	**Collection Date:**	4/3/2006 2:45:00 PM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083497-006	**Matrix:**	GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3510C				**EPA 8015B(M)**		
RunID: GC7_BACK_060406A QC Batch: 27460				PrepDate: 4/5/2006		Analyst: **CBR**
DRO	ND	0.20		mg/L	1	4/6/2006
Surr: p-Terphenyl	37.8	32-125		%REC	1	4/6/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC6_060404A QC Batch: I06VW086				PrepDate:		Analyst: **EA**
GRO	ND	0.20		mg/L	1	4/4/2006
Surr: Bromofluorobenzene (FID)	95.5	76-125		%REC	1	4/4/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060405B QC Batch: Q06VW073				PrepDate:		Analyst: **HH**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	4/6/2006
1,1,1-Trichloroethane	ND	5.0		µg/L	1	4/6/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	4/6/2006
1,1,2-Trichloroethane	ND	5.0		µg/L	1	4/6/2006
1,1-Dichloroethane	ND	5.0		µg/L	1	4/6/2006
1,1-Dichloroethene	ND	5.0		µg/L	1	4/6/2006
1,1-Dichloropropene	ND	5.0		µg/L	1	4/6/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/L	1	4/6/2006
1,2,3-Trichloropropane	ND	5.0		µg/L	1	4/6/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	4/6/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/L	1	4/6/2006
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	4/6/2006
1,2-Dibromoethane	ND	5.0		µg/L	1	4/6/2006
1,2-Dichlorobenzene	ND	5.0		µg/L	1	4/6/2006
1,2-Dichloroethane	ND	5.0		µg/L	1	4/6/2006
1,2-Dichloropropane	ND	5.0		µg/L	1	4/6/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	4/6/2006
1,3-Dichlorobenzene	ND	5.0		µg/L	1	4/6/2006
1,3-Dichloropropane	ND	5.0		µg/L	1	4/6/2006
1,4-Dichlorobenzene	ND	5.0		µg/L	1	4/6/2006
2,2-Dichloropropane	ND	5.0		µg/L	1	4/6/2006
2-Chlorotoluene	ND	5.0		µg/L	1	4/6/2006
4-Chlorotoluene	ND	5.0		µg/L	1	4/6/2006
4-Isopropyltoluene	ND	5.0		µg/L	1	4/6/2006
Benzene	ND	5.0		µg/L	1	4/6/2006
Bromobenzene	ND	5.0		µg/L	1	4/6/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *10-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083497
Project: I-5 EXPANSION, 105812001
Lab ID: 083497-006

Client Sample ID: Equip-03
Collection Date: 4/3/2006 2:45:00 PM
Matrix: GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060405B	QC Batch:	Q06VW073		PrepDate:		Analyst: **HH**
Bromodichloromethane	ND	5.0		µg/L	1	4/6/2006
Bromoform	ND	5.0		µg/L	1	4/6/2006
Bromomethane	ND	5.0		µg/L	1	4/6/2006
Carbon tetrachloride	ND	5.0		µg/L	1	4/6/2006
Chlorobenzene	ND	5.0		µg/L	1	4/6/2006
Chloroethane	ND	5.0		µg/L	1	4/6/2006
Chloroform	ND	5.0		µg/L	1	4/6/2006
Chloromethane	ND	5.0		µg/L	1	4/6/2006
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	4/6/2006
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	4/6/2006
Di-isopropyl ether	ND	5.0		µg/L	1	4/6/2006
Dibromochloromethane	ND	5.0		µg/L	1	4/6/2006
Dibromomethane	ND	5.0		µg/L	1	4/6/2006
Dichlorodifluoromethane	ND	5.0		µg/L	1	4/6/2006
Ethyl tert-butyl ether	ND	5.0		µg/L	1	4/6/2006
Ethylbenzene	ND	5.0		µg/L	1	4/6/2006
Hexachlorobutadiene	ND	5.0		µg/L	1	4/6/2006
Isopropylbenzene	ND	5.0		µg/L	1	4/6/2006
m,p-Xylene	ND	10		µg/L	1	4/6/2006
Methylene chloride	ND	5.0		µg/L	1	4/6/2006
MTBE	ND	5.0		µg/L	1	4/6/2006
n-Butylbenzene	ND	5.0		µg/L	1	4/6/2006
n-Propylbenzene	ND	5.0		µg/L	1	4/6/2006
Naphthalene	ND	5.0		µg/L	1	4/6/2006
o-Xylene	ND	5.0		µg/L	1	4/6/2006
sec-Butylbenzene	ND	5.0		µg/L	1	4/6/2006
Styrene	ND	5.0		µg/L	1	4/6/2006
Tert-amyl methyl ether	ND	5.0		µg/L	1	4/6/2006
Tert-Butanol	ND	100		µg/L	1	4/6/2006
tert-Butylbenzene	ND	5.0		µg/L	1	4/6/2006
Tetrachloroethene	ND	5.0		µg/L	1	4/6/2006
Toluene	ND	5.0		µg/L	1	4/6/2006
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	4/6/2006
Trichloroethene	ND	5.0		µg/L	1	4/6/2006
Trichlorofluoromethane	ND	5.0		µg/L	1	4/6/2006
Vinyl chloride	ND	5.0		µg/L	1	4/6/2006
Surr: 1,2-Dichloroethane-d4	114	70-126		%REC	1	4/6/2006
Surr: 4-Bromofluorobenzene	95.7	63-134		%REC	1	4/6/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *10-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	Equip-03
Lab Order:	083497	**Collection Date:**	4/3/2006 2:45:00 PM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083497-006	**Matrix:**	GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060405B	QC Batch: Q06VW073			PrepDate:		Analyst: **HH**
Surr: Dibromofluoromethane	112	73-124		%REC	1	4/6/2006
Surr: Toluene-d8	108	84-123		%REC	1	4/6/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *10-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083497
Project: I-5 EXPANSION, 105812001
Lab ID: 083497-007

Client Sample ID: MW-21
Collection Date: 4/3/2006 3:30:00 PM
Matrix: GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3510C				**EPA 8015B(M)**		
RunID: GC7_BACK_060406A	QC Batch: 27460			PrepDate: 4/5/2006		Analyst: **CBR**
DRO	4.7	0.20		mg/L	1	4/6/2006
Surr: p-Terphenyl	68.0	32-125		%REC	1	4/6/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC6_060404B	QC Batch: I06VW087			PrepDate:		Analyst: **EA**
GRO	21	2.0		mg/L	10	4/4/2006
Surr: Bromofluorobenzene (FID)	98.7	76-125		%REC	10	4/4/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060405B	QC Batch: Q06VW073			PrepDate:		Analyst: **HH**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	4/6/2006
1,1,1-Trichloroethane	ND	5.0		µg/L	1	4/6/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	4/6/2006
1,1,2-Trichloroethane	ND	5.0		µg/L	1	4/6/2006
1,1-Dichloroethane	ND	5.0		µg/L	1	4/6/2006
1,1-Dichloroethene	ND	5.0		µg/L	1	4/6/2006
1,1-Dichloropropene	ND	5.0		µg/L	1	4/6/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/L	1	4/6/2006
1,2,3-Trichloropropane	ND	5.0		µg/L	1	4/6/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	4/6/2006
1,2,4-Trimethylbenzene	6.1	5.0		µg/L	1	4/6/2006
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	4/6/2006
1,2-Dibromoethane	ND	5.0		µg/L	1	4/6/2006
1,2-Dichlorobenzene	ND	5.0		µg/L	1	4/6/2006
1,2-Dichloroethane	ND	5.0		µg/L	1	4/6/2006
1,2-Dichloropropane	ND	5.0		µg/L	1	4/6/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	4/6/2006
1,3-Dichlorobenzene	ND	5.0		µg/L	1	4/6/2006
1,3-Dichloropropane	ND	5.0		µg/L	1	4/6/2006
1,4-Dichlorobenzene	ND	5.0		µg/L	1	4/6/2006
2,2-Dichloropropane	ND	5.0		µg/L	1	4/6/2006
2-Chlorotoluene	ND	5.0		µg/L	1	4/6/2006
4-Chlorotoluene	ND	5.0		µg/L	1	4/6/2006
4-Isopropyltoluene	ND	5.0		µg/L	1	4/6/2006
Benzene	13000	1000		µg/L	200	4/6/2006
Bromobenzene	ND	5.0		µg/L	1	4/6/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *10-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	MW-21
Lab Order:	083497	**Collection Date:**	4/3/2006 3:30:00 PM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083497-007	**Matrix:**	GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060405B	QC Batch: Q06VW073			PrepDate:		Analyst: **HH**
Bromodichloromethane	ND	5.0		µg/L	1	4/6/2006
Bromoform	ND	5.0		µg/L	1	4/6/2006
Bromomethane	ND	5.0		µg/L	1	4/6/2006
Carbon tetrachloride	ND	5.0		µg/L	1	4/6/2006
Chlorobenzene	ND	5.0		µg/L	1	4/6/2006
Chloroethane	ND	5.0		µg/L	1	4/6/2006
Chloroform	ND	5.0		µg/L	1	4/6/2006
Chloromethane	ND	5.0		µg/L	1	4/6/2006
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	4/6/2006
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	4/6/2006
Di-isopropyl ether	ND	5.0		µg/L	1	4/6/2006
Dibromochloromethane	ND	5.0		µg/L	1	4/6/2006
Dibromomethane	ND	5.0		µg/L	1	4/6/2006
Dichlorodifluoromethane	ND	5.0		µg/L	1	4/6/2006
Ethyl tert-butyl ether	ND	5.0		µg/L	1	4/6/2006
Ethylbenzene	36	5.0		µg/L	1	4/6/2006
Hexachlorobutadiene	ND	5.0		µg/L	1	4/6/2006
Isopropylbenzene	29	5.0		µg/L	1	4/6/2006
m,p-Xylene	ND	10		µg/L	1	4/6/2006
Methylene chloride	ND	5.0		µg/L	1	4/6/2006
MTBE	750	50		µg/L	10	4/6/2006
n-Butylbenzene	6.2	5.0		µg/L	1	4/6/2006
n-Propylbenzene	47	5.0		µg/L	1	4/6/2006
Naphthalene	62	50		µg/L	10	4/6/2006
o-Xylene	ND	5.0		µg/L	1	4/6/2006
sec-Butylbenzene	5.8	5.0		µg/L	1	4/6/2006
Styrene	ND	5.0		µg/L	1	4/6/2006
Tert-amyl methyl ether	ND	5.0		µg/L	1	4/6/2006
Tert-Butanol	ND	100		µg/L	1	4/6/2006
tert-Butylbenzene	ND	5.0		µg/L	1	4/6/2006
Tetrachloroethene	ND	5.0		µg/L	1	4/6/2006
Toluene	ND	5.0		µg/L	1	4/6/2006
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	4/6/2006
Trichloroethene	ND	5.0		µg/L	1	4/6/2006
Trichlorofluoromethane	ND	5.0		µg/L	1	4/6/2006
Vinyl chloride	ND	5.0		µg/L	1	4/6/2006
Surr: 1,2-Dichloroethane-d4	103	70-126		%REC	1	4/6/2006
Surr: 4-Bromofluorobenzene	104	63-134		%REC	1	4/6/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: *10-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	MW-21
Lab Order:	083497	**Collection Date:**	4/3/2006 3:30:00 PM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083497-007	**Matrix:**	GROUND WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060405B	QC Batch: Q06VW073			PrepDate:		Analyst: **HH**
Surr: Dibromofluoromethane	104	73-124		%REC	1	4/6/2006
Surr: Toluene-d8	104	84-123		%REC	1	4/6/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

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CLIENT: Ninyo & Moore
Work Order: 083497
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_DSL H

Sample ID: **MB-27460** SampType: **MBLK** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/5/2006** RunNo: **61744**
Client ID: **PBW** Batch ID: **27460** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/6/2006** SeqNo: **913914**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	0.20									
Surr: p-Terphenyl	0.030		0.08000		37.0	32	125				

Sample ID: **LCS-27460** SampType: **LCS** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/5/2006** RunNo: **61744**
Client ID: **LCSW** Batch ID: **27460** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/6/2006** SeqNo: **913915**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.92	0.20	1.000	0	91.5	60	130				
Surr: p-Terphenyl	0.037		0.08000		46.5	32	125				

Sample ID: **MB-27460MS** SampType: **MS** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/5/2006** RunNo: **61744**
Client ID: **ZZZZZZ** Batch ID: **27460** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/6/2006** SeqNo: **913916**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.90	0.20	1.000	0	90.0	60	130				
Surr: p-Terphenyl	0.038		0.08000		47.4	32	125				

Sample ID: **MB-27460MSD** SampType: **MSD** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/5/2006** RunNo: **61744**
Client ID: **ZZZZZZ** Batch ID: **27460** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/6/2006** SeqNo: **913917**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.93	0.20	1.000	0	93.1	60	130	0.8997	3.44	40	
Surr: p-Terphenyl	0.034		0.08000		41.9	32	125		0	0	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
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CLIENT: Ninyo & Moore
Work Order: 083497
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_G PRES

Sample ID: **I040406MB2MS** SampType: **MS** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **61536**
Client ID: **ZZZZZZ** Batch ID: **I06VW086** TestNo: **EPA 8015B(M** Analysis Date: **4/4/2006** SeqNo: **911537**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.96	0.20	1.000	0	96.0	71	122				
Surr: Bromofluorobenzene (FID)	110		100.0		113	76	125				

Sample ID: **I040406MB2MSD** SampType: **MSD** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **61536**
Client ID: **ZZZZZZ** Batch ID: **I06VW086** TestNo: **EPA 8015B(M** Analysis Date: **4/4/2006** SeqNo: **911538**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.95	0.20	1.000	0	94.9	71	122	0.9600	1.15	30	
Surr: Bromofluorobenzene (FID)	110		100.0		109	76	125		0	0	

Sample ID: **I040406MB2** SampType: **MBLK** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **61536**
Client ID: **PBW** Batch ID: **I06VW086** TestNo: **EPA 8015B(M** Analysis Date: **4/4/2006** SeqNo: **911539**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.20									
Surr: Bromofluorobenzene (FID)	100		100.0		101	76	125				

Sample ID: **083497-002B** SampType: **DUP** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **61536**
Client ID: **MW-23** Batch ID: **I06VW086** TestNo: **EPA 8015B(M** Analysis Date: **4/4/2006** SeqNo: **911604**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	28	0.20						28.09	1.30	30	
Surr: Bromofluorobenzene (FID)	100		100.0		102	76	125		0	0	

Sample ID: **I040406LCS2** SampType: **LCS** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **61536**
Client ID: **LCSW** Batch ID: **I06VW086** TestNo: **EPA 8015B(M** Analysis Date: **4/4/2006** SeqNo: **912357**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.86	0.20	1.000	0	86.4	71	122				
Surr: Bromofluorobenzene (FID)	100		100.0		103	76	125				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_G PRES

Sample ID: **I040406LCS3** SampType: **LCS** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **61633**
Client ID: **LCSW** Batch ID: **I06VW087** TestNo: **EPA 8015B(M** Analysis Date: **4/5/2006** SeqNo: **912358**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.83	0.20	1.000	0	83.0	71	122				
Surr: Bromofluorobenzene (FID)	100		100.0		103	76	125				

Sample ID: **I040406MB4MS** SampType: **MS** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **61633**
Client ID: **ZZZZZZ** Batch ID: **I06VW087** TestNo: **EPA 8015B(M** Analysis Date: **4/4/2006** SeqNo: **912360**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.88	0.20	1.000	0	87.9	71	122				
Surr: Bromofluorobenzene (FID)	110		100.0		105	76	125				

Sample ID: **I040406MB4MSD** SampType: **MSD** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **61633**
Client ID: **ZZZZZZ** Batch ID: **I06VW087** TestNo: **EPA 8015B(M** Analysis Date: **4/4/2006** SeqNo: **912361**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.93	0.20	1.000	0	92.6	71	122	0.8790	5.21	30	
Surr: Bromofluorobenzene (FID)	110		100.0		107	76	125		0	0	

Sample ID: **I040406MB4** SampType: **MBLK** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **61633**
Client ID: **PBW** Batch ID: **I06VW087** TestNo: **EPA 8015B(M** Analysis Date: **4/4/2006** SeqNo: **912362**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.20									
Surr: Bromofluorobenzene (FID)	100		100.0		101	76	125				

Sample ID: **083495-003B** SampType: **DUP** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **61633**
Client ID: **ZZZZZZ** Batch ID: **I06VW087** TestNo: **EPA 8015B(M** Analysis Date: **4/4/2006** SeqNo: **912367**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	41	1.0						41.81	2.63	30	
Surr: Bromofluorobenzene (FID)	490		500.0		97.1	76	125		0	0	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **A040606LC1** SampType: **LCS** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61750**
Client ID: **LCSW** Batch ID: **A06VW087** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **914039**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	23	5.0	20.00	0	117	76	132				
Benzene	22	5.0	20.00	0	110	90	123				
Chlorobenzene	23	5.0	20.00	0	113	76	118				
MTBE	23	5.0	20.00	0	114	78	134				
Toluene	21	5.0	20.00	0	106	91	124				
Trichloroethene	22	5.0	20.00	0	112	87	125				
Surr: 1,2-Dichloroethane-d4	23		25.00		92.4	70	126				
Surr: 4-Bromofluorobenzene	24		25.00		97.8	63	134				
Surr: Dibromofluoromethane	23		25.00		91.3	73	124				
Surr: Toluene-d8	23		25.00		93.3	84	123				

Sample ID: **A040606MB4MS** SampType: **MS** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61750**
Client ID: **ZZZZZZ** Batch ID: **A06VW087** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **914040**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	23	5.0	20.00	0	114	76	132				
Benzene	22	5.0	20.00	0	108	90	123				
Chlorobenzene	22	5.0	20.00	0	111	76	118				
MTBE	23	5.0	20.00	0	115	78	134				
Toluene	21	5.0	20.00	0	104	91	124				
Trichloroethene	22	5.0	20.00	0	110	87	125				
Surr: 1,2-Dichloroethane-d4	23		25.00		90.8	70	126				
Surr: 4-Bromofluorobenzene	23		25.00		93.7	63	134				
Surr: Dibromofluoromethane	22		25.00		88.6	73	124				
Surr: Toluene-d8	23		25.00		91.5	84	123				

Sample ID: **A040606MB4MSD** SampType: **MSD** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61750**
Client ID: **ZZZZZZ** Batch ID: **A06VW087** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **914041**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	23	5.0	20.00	0	114	76	132	22.82	0.263	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **A040606MB4MSD** SampType: **MSD** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61750**
Client ID: **ZZZZZZ** Batch ID: **A06VW087** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **914041**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	22	5.0	20.00	0	108	90	123	21.56	0.555	30	
Chlorobenzene	23	5.0	20.00	0	116	76	118	22.15	4.93	30	
MTBE	24	5.0	20.00	0	118	78	134	23.08	2.19	30	
Toluene	21	5.0	20.00	0	105	91	124	20.84	0.335	30	
Trichloroethene	22	5.0	20.00	0	110	87	125	21.96	0.274	30	
Surr: 1,2-Dichloroethane-d4	23		25.00		90.8	70	126		0	30	
Surr: 4-Bromofluorobenzene	24		25.00		98.0	63	134		0	30	
Surr: Dibromofluoromethane	23		25.00		90.2	73	124		0	30	
Surr: Toluene-d8	23		25.00		90.3	84	123		0	30	

Sample ID: **A040606MB4** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61750**
Client ID: **PBW** Batch ID: **A06VW087** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **914042**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	5.0									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
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DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **A040606MB4** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61750**
Client ID: **PBW** Batch ID: **A06VW087** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **914042**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Di-isopropyl ether	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethyl tert-butyl ether	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
MTBE	ND	5.0									
n-Butylbenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **A040606MB4** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61750**
Client ID: **PBW** Batch ID: **A06VW087** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **914042**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
Tert-amyl methyl ether	ND	5.0									
Tert-Butanol	ND	100									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	22		25.00		89.0	70	126				
Surr: 4-Bromofluorobenzene	23		25.00		93.2	63	134				
Surr: Dibromofluoromethane	22		25.00		88.3	73	124				
Surr: Toluene-d8	23		25.00		90.8	84	123				

Sample ID: **083497-002ADUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61750**
Client ID: **MW-23** Batch ID: **A06VW087** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **914044**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	18000	5000						16590	5.57	30	

Sample ID: **083497-002ADUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61750**
Client ID: **MW-23** Batch ID: **A06VW087** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **914047**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
MTBE	1000	100						994.8	0.661	30	
Naphthalene	190	100						177.4	8.42	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **Q040506LC3** SampType: **LCS** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61702**
Client ID: **LCSW** Batch ID: **Q06VW073** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **913387**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	23	5.0	20.00	0	113	76	132				
Benzene	21	5.0	20.00	0	106	90	123				
Chlorobenzene	21	5.0	20.00	0	104	76	118				
MTBE	21	5.0	20.00	0	106	78	134				
Toluene	21	5.0	20.00	0	106	91	124				
Trichloroethene	22	5.0	20.00	0	110	87	125				
Surr: 1,2-Dichloroethane-d4	53		50.00		105	70	126				
Surr: 4-Bromofluorobenzene	52		50.00		104	63	134				
Surr: Dibromofluoromethane	53		50.00		105	73	124				
Surr: Toluene-d8	51		50.00		102	84	123				

Sample ID: **Q040506MB3MS** SampType: **MS** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61702**
Client ID: **ZZZZZZ** Batch ID: **Q06VW073** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **913388**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	23	5.0	20.00	0	116	76	132				
Benzene	22	5.0	20.00	0	109	90	123				
Chlorobenzene	21	5.0	20.00	0	106	76	118				
MTBE	21	5.0	20.00	0	104	78	134				
Toluene	22	5.0	20.00	0	109	91	124				
Trichloroethene	21	5.0	20.00	0	107	87	125				
Surr: 1,2-Dichloroethane-d4	51		50.00		103	70	126				
Surr: 4-Bromofluorobenzene	50		50.00		101	63	134				
Surr: Dibromofluoromethane	52		50.00		103	73	124				
Surr: Toluene-d8	51		50.00		101	84	123				

Sample ID: **Q040506MB3MSD** SampType: **MSD** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61702**
Client ID: **ZZZZZZ** Batch ID: **Q06VW073** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **913389**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	23	5.0	20.00	0	116	76	132	23.11	0.690	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **Q040506MB3MSD** SampType: **MSD** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61702**
Client ID: **ZZZZZZ** Batch ID: **Q06VW073** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **913389**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	21	5.0	20.00	0	107	90	123	21.81	1.80	30	
Chlorobenzene	22	5.0	20.00	0	108	76	118	21.21	1.40	30	
MTBE	21	5.0	20.00	0	107	78	134	20.84	2.79	30	
Toluene	22	5.0	20.00	0	108	91	124	21.76	0.784	30	
Trichloroethene	21	5.0	20.00	0	105	87	125	21.49	2.26	30	
Surr: 1,2-Dichloroethane-d4	52		50.00		103	70	126		0	30	
Surr: 4-Bromofluorobenzene	51		50.00		102	63	134		0	30	
Surr: Dibromofluoromethane	51		50.00		102	73	124		0	30	
Surr: Toluene-d8	51		50.00		101	84	123		0	30	

Sample ID: **Q040506MB3** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61702**
Client ID: **PBW** Batch ID: **Q06VW073** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **913390**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	5.0									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083497
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **Q040506MB3** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61702**
Client ID: **PBW** Batch ID: **Q06VW073** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **913390**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Di-isopropyl ether	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethyl tert-butyl ether	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
MTBE	ND	5.0									
n-Butylbenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083497
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **Q040506MB3** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61702**
Client ID: **PBW** Batch ID: **Q06VW073** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **913390**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
Tert-amyl methyl ether	ND	5.0									
Tert-Butanol	ND	100									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	56		50.00		111	70	126				
Surr: 4-Bromofluorobenzene	49		50.00		97.4	63	134				
Surr: Dibromofluoromethane	55		50.00		110	73	124				
Surr: Toluene-d8	51		50.00		102	84	123				

Sample ID: **083497-002ADUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61702**
Client ID: **MW-23** Batch ID: **Q06VW073** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **913395**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0						0	0	30	
1,1,1-Trichloroethane	ND	5.0						0	0	30	
1,1,2,2-Tetrachloroethane	ND	5.0						0	0	30	
1,1,2-Trichloroethane	ND	5.0						0	0	30	
1,1-Dichloroethane	ND	5.0						0	0	30	
1,1-Dichloroethene	ND	5.0						0	0	30	
1,1-Dichloropropene	ND	5.0						0	0	30	
1,2,3-Trichlorobenzene	ND	5.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Work Order: 083497
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **083497-002ADUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61702**
Client ID: **MW-23** Batch ID: **Q06VW073** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **913395**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,3-Trichloropropane	ND	5.0						0	0	30	
1,2,4-Trichlorobenzene	ND	5.0						0	0	30	
1,2,4-Trimethylbenzene	29	5.0						28.71	0.664	30	
1,2-Dibromo-3-chloropropane	ND	5.0						0	0	30	
1,2-Dibromoethane	ND	5.0						0	0	30	
1,2-Dichlorobenzene	ND	5.0						0	0	30	
1,2-Dichloroethane	ND	5.0						0	0	30	
1,2-Dichloropropane	ND	5.0						0	0	30	
1,3,5-Trimethylbenzene	ND	5.0						2.020	0	30	
1,3-Dichlorobenzene	ND	5.0						0	0	30	
1,3-Dichloropropane	ND	5.0						0	0	30	
1,4-Dichlorobenzene	ND	5.0						0	0	30	
2,2-Dichloropropane	ND	5.0						0	0	30	
2-Butanone	ND	50						0	0	30	
2-Chloroethyl vinyl ether	ND	5.0						0	0	30	
2-Chlorotoluene	ND	5.0						0	0	30	
2-Hexanone	ND	50						0	0	30	
4-Chlorotoluene	ND	5.0						0	0	30	
4-Isopropyltoluene	ND	5.0						0	0	30	
4-Methyl-2-pentanone	ND	50						0	0	30	
Acetone	ND	50						0	0	30	
Acrolein	ND	50						0	0	30	
Acrylonitrile	ND	50						0	0	30	
Bromobenzene	ND	5.0						0	0	30	
Bromochloromethane	ND	5.0						0	0	30	
Bromodichloromethane	ND	5.0						0	0	30	
Bromoform	ND	5.0						0	0	30	
Bromomethane	ND	5.0						0	0	30	
Carbon disulfide	ND	5.0						0	0	30	
Carbon tetrachloride	ND	5.0						0	0	30	
Chlorobenzene	ND	5.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083497
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **083497-002ADUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61702**
Client ID: **MW-23** Batch ID: **Q06VW073** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **913395**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloroethane	ND	5.0						0	0	30	
Chloroform	ND	5.0						0	0	30	
Chloromethane	ND	5.0						0	0	30	
cis-1,2-Dichloroethene	ND	5.0						0	0	30	
cis-1,3-Dichloropropene	ND	5.0						0	0	30	
Cyclohexanone	ND	50						0	0	30	
Di-isopropyl ether	ND	5.0						0	0	30	
Dibromochloromethane	ND	5.0						0	0	30	
Dibromomethane	ND	5.0						0	0	30	
Dichlorodifluoromethane	ND	5.0						0	0	30	
Ethyl Acetate	ND	50						0	0	30	
Ethyl Ether	ND	50						0	0	30	
Ethyl tert-butyl ether	ND	5.0						0	0	30	
Ethylbenzene	34	5.0						34.49	2.85	30	
Freon-113	ND	5.0						0	0	30	
Hexachlorobutadiene	ND	5.0						0	0	30	
Iodomethane	ND	5.0						0	0	30	
Isopropylbenzene	40	5.0						40.68	1.51	30	
m,p-Xylene	ND	10						8.590	0	30	
Methylene chloride	ND	5.0						0	0	30	
n-Butylbenzene	ND	5.0						2.870	0	30	
n-Propylbenzene	67	5.0						69.58	4.33	30	
o-Xylene	ND	5.0						0	0	30	
sec-Butylbenzene	ND	5.0						0	0	30	
Styrene	ND	5.0						0	0	30	
Tert-amyl methyl ether	ND	5.0						0	0	30	
Tert-Butanol	ND	100						0	0	30	
tert-Butylbenzene	ND	5.0						0	0	30	
Tetrachloroethene	ND	5.0						0	0	30	
Toluene	13	5.0						13.95	6.36	30	
trans-1,2-Dichloroethene	ND	5.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083497
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **083497-002ADUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61702**
Client ID: **MW-23** Batch ID: **Q06VW073** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **913395**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,3-Dichloropropene	ND	5.0						0	0	30	
Trichloroethene	ND	5.0						0	0	30	
Trichlorofluoromethane	ND	5.0						0	0	30	
Vinyl acetate	ND	50						0	0	30	
Vinyl chloride	ND	5.0						0	0	30	
Xylenes, Total	ND	15						0	0	30	
Surr: 1,2-Dichloroethane-d4	52		50.00		105	70	126		0	30	
Surr: 4-Bromofluorobenzene	52		50.00		104	63	134		0	30	
Surr: Dibromofluoromethane	53		50.00		105	73	124		0	30	
Surr: Toluene-d8	52		50.00		104	84	123		0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **Q040606LC1** SampType: **LCS** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61747**
Client ID: **LCSW** Batch ID: **Q06VW074** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **913957**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	22	5.0	20.00	0	108	76	132				
Benzene	22	5.0	20.00	0	108	90	123				
Chlorobenzene	20	5.0	20.00	0	102	76	118				
MTBE	20	5.0	20.00	0	101	78	134				
Toluene	21	5.0	20.00	0	105	91	124				
Trichloroethene	21	5.0	20.00	0	105	87	125				
Surr: 1,2-Dichloroethane-d4	50		50.00		100	70	126				
Surr: 4-Bromofluorobenzene	50		50.00		99.6	63	134				
Surr: Dibromofluoromethane	50		50.00		100	73	124				
Surr: Toluene-d8	52		50.00		104	84	123				

Sample ID: **Q040606MB1MS** SampType: **MS** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61747**
Client ID: **ZZZZZZ** Batch ID: **Q06VW074** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **913958**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	22	5.0	20.00	0	111	76	132				
Benzene	22	5.0	20.00	0	109	90	123				
Chlorobenzene	21	5.0	20.00	0	105	76	118				
MTBE	21	5.0	20.00	0	105	78	134				
Toluene	22	5.0	20.00	0	108	91	124				
Trichloroethene	21	5.0	20.00	0	104	87	125				
Surr: 1,2-Dichloroethane-d4	50		50.00		100	70	126				
Surr: 4-Bromofluorobenzene	49		50.00		98.9	63	134				
Surr: Dibromofluoromethane	50		50.00		99.9	73	124				
Surr: Toluene-d8	52		50.00		104	84	123				

Sample ID: **Q040606MB1MSD** SampType: **MSD** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61747**
Client ID: **ZZZZZZ** Batch ID: **Q06VW074** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **913959**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	21	5.0	20.00	0	107	76	132	22.23	3.90	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Work Order: 083497
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **Q040606MB1MSD** SampType: **MSD** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61747**
Client ID: **ZZZZZZ** Batch ID: **Q06VW074** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **913959**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	22	5.0	20.00	0	110	90	123	21.75	1.55	30	
Chlorobenzene	21	5.0	20.00	0	103	76	118	20.99	1.88	30	
MTBE	20	5.0	20.00	0	101	78	134	21.04	3.63	30	
Toluene	21	5.0	20.00	0	107	91	124	21.55	1.07	30	
Trichloroethene	22	5.0	20.00	0	108	87	125	20.88	3.85	30	
Surr: 1,2-Dichloroethane-d4	49		50.00		98.3	70	126		0	30	
Surr: 4-Bromofluorobenzene	51		50.00		102	63	134		0	30	
Surr: Dibromofluoromethane	50		50.00		101	73	124		0	30	
Surr: Toluene-d8	52		50.00		104	84	123		0	30	

Sample ID: **Q040606MB1** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61747**
Client ID: **PBW** Batch ID: **Q06VW074** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **913960**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	5.0									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **Q040606MB1** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61747**
Client ID: **PBW** Batch ID: **Q06VW074** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **913960**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Di-isopropyl ether	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethyl tert-butyl ether	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
MTBE	ND	5.0									
n-Butylbenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083497
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **Q040606MB1** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61747**
Client ID: **PBW** Batch ID: **Q06VW074** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **913960**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
Tert-amyl methyl ether	ND	5.0									
Tert-Butanol	ND	100									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	53		50.00		106	70	126				
Surr: 4-Bromofluorobenzene	47		50.00		94.8	63	134				
Surr: Dibromofluoromethane	53		50.00		107	73	124				
Surr: Toluene-d8	52		50.00		103	84	123				

Sample ID: **083495-002ADUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61747**
Client ID: **ZZZZZZ** Batch ID: **Q06VW074** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **913963**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
MTBE	1200	500						1145	7.69	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CHAIN OF CUS ODY RECORD

Pg ___ of ___

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: ___
Logged By: ___ Date: 4/4/06

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other: ___

Sample Condition Upon Receipt:
1. CHILLED Y☑ N☐ 4. SEALED Y☐ N☑
2. HEADSPACE (VOA) Y☐ N☑ 5. # OF SPLS MATCH COC Y☑ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☑ N☐

Client: Nimyo + Moore
Attn: Scott Snyder
Address: 5710 Ruffin Rd
City: San Diego State: CA Zip Code: 92123
TEL: (858) 576-2000
FAX: (858) 576-9600

Project Name: I-5 Expansion Project #: 105812001 Sampler: (Printed Name) Matt Fuller (Signature) Matt Fuller

Relinquished by: (Signature and Printed Name)	Date	Time	Received by: (Signature and Printed Name)	Date	Time
M. Fuller	4-3-06	4:40p		4-3-06	4:40p
	4-3-06	7:00p		040306	1900

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: M. Fuller 4-3-06
Print Name Date
Signature

Send Report To: Attn: Scott Snyder
Co: Nimyo + Moore
Address: 5710 Ruffin Rd
City: SD State: CA Zip: 92123

Bill To: Attn: Same as
Co: ←
Address: ___
City: ___ State: ___ Zip: ___

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested; SPECIFY APPROPRIATE MATRIX; QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ___ OTHER ___

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	8260B Oxygenates	EDB	EDC	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Type	PRESERVATION	REMARKS
	082497-001	TRIP-03	4/3/06	1030			X											X			E	2			H
	-002	MW-23		1225			X						X	X	X				X			7	V L G G		H
	-003	MW-22		1250			X						X	X	X				X						
	-004	MW-X		1310			X						X	X	X				X						
	-005	MW-26		1510			X						X	X	X				X						
	-006	Equip-03		1445			X						X	X	X				X						
	-007	MW-21		1530			X						X	X	X				X						

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

April 10, 2006

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 083496

RE: I-5 EXPANSION, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on April 03, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: *10-Apr-06*

CLIENT: Ninyo & Moore
Project: I-5 EXPANSION, 105812001
Lab Order: 083496
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
083496-001A	TRIP-02	Water	3/31/2006	4/3/2006	4/10/2006
083496-002A	MW-15	Groundwater	3/31/2006	4/3/2006	4/10/2006
083496-002B	MW-15	Groundwater	3/31/2006	4/3/2006	4/10/2006
083496-002C	MW-15	Groundwater	3/31/2006	4/3/2006	4/10/2006
083496-003A	MW-24	Groundwater	3/31/2006	4/3/2006	4/10/2006
083496-003B	MW-24	Groundwater	3/31/2006	4/3/2006	4/10/2006
083496-003C	MW-24	Groundwater	3/31/2006	4/3/2006	4/10/2006
083496-004A	MW-25	Groundwater	3/31/2006	4/3/2006	4/10/2006
083496-004B	MW-25	Groundwater	3/31/2006	4/3/2006	4/10/2006
083496-004C	MW-25	Groundwater	3/31/2006	4/3/2006	4/10/2006
083496-005A	Equip-02	Water	3/31/2006	4/3/2006	4/10/2006
083496-005B	Equip-02	Water	3/31/2006	4/3/2006	4/10/2006
083496-005C	Equip-02	Water	3/31/2006	4/3/2006	4/10/2006

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Advanced Technology Laboratories

Date: *10-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	TRIP-02
Lab Order:	083496	**Collection Date:**	3/31/2006 9:00:00 AM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083496-001	**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060405A	QC Batch: Q06VW072			PrepDate:		Analyst: **HH**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	4/5/2006
1,1,1-Trichloroethane	ND	5.0		µg/L	1	4/5/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	4/5/2006
1,1,2-Trichloroethane	ND	5.0		µg/L	1	4/5/2006
1,1-Dichloroethane	ND	5.0		µg/L	1	4/5/2006
1,1-Dichloroethene	ND	5.0		µg/L	1	4/5/2006
1,1-Dichloropropene	ND	5.0		µg/L	1	4/5/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/L	1	4/5/2006
1,2,3-Trichloropropane	ND	5.0		µg/L	1	4/5/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	4/5/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/L	1	4/5/2006
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	4/5/2006
1,2-Dibromoethane	ND	5.0		µg/L	1	4/5/2006
1,2-Dichlorobenzene	ND	5.0		µg/L	1	4/5/2006
1,2-Dichloroethane	ND	5.0		µg/L	1	4/5/2006
1,2-Dichloropropane	ND	5.0		µg/L	1	4/5/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	4/5/2006
1,3-Dichlorobenzene	ND	5.0		µg/L	1	4/5/2006
1,3-Dichloropropane	ND	5.0		µg/L	1	4/5/2006
1,4-Dichlorobenzene	ND	5.0		µg/L	1	4/5/2006
2,2-Dichloropropane	ND	5.0		µg/L	1	4/5/2006
2-Chlorotoluene	ND	5.0		µg/L	1	4/5/2006
4-Chlorotoluene	ND	5.0		µg/L	1	4/5/2006
4-Isopropyltoluene	ND	5.0		µg/L	1	4/5/2006
Benzene	ND	5.0		µg/L	1	4/5/2006
Bromobenzene	ND	5.0		µg/L	1	4/5/2006
Bromodichloromethane	ND	5.0		µg/L	1	4/5/2006
Bromoform	ND	5.0		µg/L	1	4/5/2006
Bromomethane	ND	5.0		µg/L	1	4/5/2006
Carbon tetrachloride	ND	5.0		µg/L	1	4/5/2006
Chlorobenzene	ND	5.0		µg/L	1	4/5/2006
Chloroethane	ND	5.0		µg/L	1	4/5/2006
Chloroform	ND	5.0		µg/L	1	4/5/2006
Chloromethane	ND	5.0		µg/L	1	4/5/2006
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	4/5/2006
Dibromochloromethane	ND	5.0		µg/L	1	4/5/2006
Dibromomethane	ND	5.0		µg/L	1	4/5/2006
Dichlorodifluoromethane	ND	5.0		µg/L	1	4/5/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *10-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	TRIP-02
Lab Order:	083496	**Collection Date:**	3/31/2006 9:00:00 AM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083496-001	**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060405A	QC Batch:	Q06VW072			PrepDate:	Analyst: **HH**
Ethylbenzene	ND	5.0		µg/L	1	4/5/2006
Hexachlorobutadiene	ND	5.0		µg/L	1	4/5/2006
Isopropylbenzene	ND	5.0		µg/L	1	4/5/2006
m,p-Xylene	ND	10		µg/L	1	4/5/2006
Methylene chloride	ND	5.0		µg/L	1	4/5/2006
n-Butylbenzene	ND	5.0		µg/L	1	4/5/2006
n-Propylbenzene	ND	5.0		µg/L	1	4/5/2006
Naphthalene	ND	5.0		µg/L	1	4/5/2006
o-Xylene	ND	5.0		µg/L	1	4/5/2006
sec-Butylbenzene	ND	5.0		µg/L	1	4/5/2006
Styrene	ND	5.0		µg/L	1	4/5/2006
tert-Butylbenzene	ND	5.0		µg/L	1	4/5/2006
Tetrachloroethene	ND	5.0		µg/L	1	4/5/2006
Toluene	ND	5.0		µg/L	1	4/5/2006
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	4/5/2006
Trichloroethene	ND	5.0		µg/L	1	4/5/2006
Trichlorofluoromethane	ND	5.0		µg/L	1	4/5/2006
Vinyl chloride	ND	5.0		µg/L	1	4/5/2006
Surr: 1,2-Dichloroethane-d4	113	70-126		%REC	1	4/5/2006
Surr: 4-Bromofluorobenzene	97.6	63-134		%REC	1	4/5/2006
Surr: Dibromofluoromethane	115	73-124		%REC	1	4/5/2006
Surr: Toluene-d8	109	84-123		%REC	1	4/5/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *10-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	MW-15
Lab Order:	083496	**Collection Date:**	3/31/2006 11:00:00 AM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083496-002	**Matrix:**	GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3510C				**EPA 8015B(M)**		
RunID: GC7_BACK_060405A QC Batch: 27458				PrepDate: 4/5/2006		Analyst: **CBR**
DRO	ND	0.20		mg/L	1	4/5/2006
Surr: p-Terphenyl	77.3	32-125		%REC	1	4/5/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC6_060404A QC Batch: I06VW086				PrepDate:		Analyst: **EA**
GRO	ND	0.20		mg/L	1	4/4/2006
Surr: Bromofluorobenzene (FID)	99.3	76-125		%REC	1	4/4/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060405A QC Batch: Q06VW072				PrepDate:		Analyst: **HH**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	4/5/2006
1,1,1-Trichloroethane	ND	5.0		µg/L	1	4/5/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	4/5/2006
1,1,2-Trichloroethane	ND	5.0		µg/L	1	4/5/2006
1,1-Dichloroethane	ND	5.0		µg/L	1	4/5/2006
1,1-Dichloroethene	ND	5.0		µg/L	1	4/5/2006
1,1-Dichloropropene	ND	5.0		µg/L	1	4/5/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/L	1	4/5/2006
1,2,3-Trichloropropane	ND	5.0		µg/L	1	4/5/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	4/5/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/L	1	4/5/2006
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	4/5/2006
1,2-Dibromoethane	ND	5.0		µg/L	1	4/5/2006
1,2-Dichlorobenzene	ND	5.0		µg/L	1	4/5/2006
1,2-Dichloroethane	ND	5.0		µg/L	1	4/5/2006
1,2-Dichloropropane	ND	5.0		µg/L	1	4/5/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	4/5/2006
1,3-Dichlorobenzene	ND	5.0		µg/L	1	4/5/2006
1,3-Dichloropropane	ND	5.0		µg/L	1	4/5/2006
1,4-Dichlorobenzene	ND	5.0		µg/L	1	4/5/2006
2,2-Dichloropropane	ND	5.0		µg/L	1	4/5/2006
2-Chlorotoluene	ND	5.0		µg/L	1	4/5/2006
4-Chlorotoluene	ND	5.0		µg/L	1	4/5/2006
4-Isopropyltoluene	ND	5.0		µg/L	1	4/5/2006
Benzene	ND	5.0		µg/L	1	4/5/2006
Bromobenzene	ND	5.0		µg/L	1	4/5/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *10-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083496
Project: I-5 EXPANSION, 105812001
Lab ID: 083496-002

Client Sample ID: MW-15
Collection Date: 3/31/2006 11:00:00 AM
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060405A	QC Batch:	Q06VW072			PrepDate:	Analyst: **HH**
Bromodichloromethane	ND	5.0		µg/L	1	4/5/2006
Bromoform	ND	5.0		µg/L	1	4/5/2006
Bromomethane	ND	5.0		µg/L	1	4/5/2006
Carbon tetrachloride	ND	5.0		µg/L	1	4/5/2006
Chlorobenzene	ND	5.0		µg/L	1	4/5/2006
Chloroethane	ND	5.0		µg/L	1	4/5/2006
Chloroform	ND	5.0		µg/L	1	4/5/2006
Chloromethane	ND	5.0		µg/L	1	4/5/2006
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	4/5/2006
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	4/5/2006
Di-isopropyl ether	ND	5.0		µg/L	1	4/5/2006
Dibromochloromethane	ND	5.0		µg/L	1	4/5/2006
Dibromomethane	ND	5.0		µg/L	1	4/5/2006
Dichlorodifluoromethane	ND	5.0		µg/L	1	4/5/2006
Ethyl tert-butyl ether	ND	5.0		µg/L	1	4/5/2006
Ethylbenzene	ND	5.0		µg/L	1	4/5/2006
Hexachlorobutadiene	ND	5.0		µg/L	1	4/5/2006
Isopropylbenzene	ND	5.0		µg/L	1	4/5/2006
m,p-Xylene	ND	10		µg/L	1	4/5/2006
Methylene chloride	ND	5.0		µg/L	1	4/5/2006
MTBE	56	5.0		µg/L	1	4/5/2006
n-Butylbenzene	ND	5.0		µg/L	1	4/5/2006
n-Propylbenzene	ND	5.0		µg/L	1	4/5/2006
Naphthalene	ND	5.0		µg/L	1	4/5/2006
o-Xylene	ND	5.0		µg/L	1	4/5/2006
sec-Butylbenzene	ND	5.0		µg/L	1	4/5/2006
Styrene	ND	5.0		µg/L	1	4/5/2006
Tert-amyl methyl ether	ND	5.0		µg/L	1	4/5/2006
Tert-Butanol	ND	100		µg/L	1	4/5/2006
tert-Butylbenzene	ND	5.0		µg/L	1	4/5/2006
Tetrachloroethene	ND	5.0		µg/L	1	4/5/2006
Toluene	ND	5.0		µg/L	1	4/5/2006
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	4/5/2006
Trichloroethene	ND	5.0		µg/L	1	4/5/2006
Trichlorofluoromethane	ND	5.0		µg/L	1	4/5/2006
Vinyl chloride	ND	5.0		µg/L	1	4/5/2006
Surr: 1,2-Dichloroethane-d4	93.1	70-126		%REC	1	4/5/2006
Surr: 4-Bromofluorobenzene	95.8	63-134		%REC	1	4/5/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *10-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	MW-15
Lab Order:	083496	**Collection Date:**	3/31/2006 11:00:00 AM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083496-002	**Matrix:**	GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060405A	QC Batch:	Q06VW072		PrepDate:		Analyst: **HH**
Surr: Dibromofluoromethane	98.8	73-124		%REC	1	4/5/2006
Surr: Toluene-d8	103	84-123		%REC	1	4/5/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *10-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	MW-24
Lab Order:	083496	**Collection Date:**	3/31/2006 11:45:00 AM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083496-003	**Matrix:**	GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3510C				**EPA 8015B(M)**		
RunID: GC7_BACK_060405A QC Batch: 27458				PrepDate: 4/5/2006		Analyst: **CBR**
DRO	1.4	0.20		mg/L	1	4/5/2006
Surr: p-Terphenyl	61.3	32-125		%REC	1	4/5/2006
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B(M)						
RunID: GC6_060404A QC Batch: I06VW086				PrepDate:		Analyst: **EA**
GRO	3.0	0.20		mg/L	1	4/4/2006
Surr: Bromofluorobenzene (FID)	96.4	76-125		%REC	1	4/4/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 8260B						
RunID: MS2_060405A QC Batch: Q06VW072				PrepDate:		Analyst: **HH**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	4/5/2006
1,1,1-Trichloroethane	ND	5.0		µg/L	1	4/5/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	4/5/2006
1,1,2-Trichloroethane	ND	5.0		µg/L	1	4/5/2006
1,1-Dichloroethane	ND	5.0		µg/L	1	4/5/2006
1,1-Dichloroethene	ND	5.0		µg/L	1	4/5/2006
1,1-Dichloropropene	ND	5.0		µg/L	1	4/5/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/L	1	4/5/2006
1,2,3-Trichloropropane	ND	5.0		µg/L	1	4/5/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	4/5/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/L	1	4/5/2006
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	4/5/2006
1,2-Dibromoethane	ND	5.0		µg/L	1	4/5/2006
1,2-Dichlorobenzene	ND	5.0		µg/L	1	4/5/2006
1,2-Dichloroethane	ND	5.0		µg/L	1	4/5/2006
1,2-Dichloropropane	ND	5.0		µg/L	1	4/5/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	4/5/2006
1,3-Dichlorobenzene	ND	5.0		µg/L	1	4/5/2006
1,3-Dichloropropane	ND	5.0		µg/L	1	4/5/2006
1,4-Dichlorobenzene	ND	5.0		µg/L	1	4/5/2006
2,2-Dichloropropane	ND	5.0		µg/L	1	4/5/2006
2-Chlorotoluene	ND	5.0		µg/L	1	4/5/2006
4-Chlorotoluene	ND	5.0		µg/L	1	4/5/2006
4-Isopropyltoluene	ND	5.0		µg/L	1	4/5/2006
Benzene	1100	250		µg/L	50	4/6/2006
Bromobenzene	ND	5.0		µg/L	1	4/5/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *10-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083496
Project: I-5 EXPANSION, 105812001
Lab ID: 083496-003

Client Sample ID: MW-24
Collection Date: 3/31/2006 11:45:00 AM
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060405A	QC Batch:	Q06VW072		PrepDate:		Analyst: **HH**
Bromodichloromethane	ND	5.0		µg/L	1	4/5/2006
Bromoform	ND	5.0		µg/L	1	4/5/2006
Bromomethane	ND	5.0		µg/L	1	4/5/2006
Carbon tetrachloride	ND	5.0		µg/L	1	4/5/2006
Chlorobenzene	ND	5.0		µg/L	1	4/5/2006
Chloroethane	ND	5.0		µg/L	1	4/5/2006
Chloroform	ND	5.0		µg/L	1	4/5/2006
Chloromethane	ND	5.0		µg/L	1	4/5/2006
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	4/5/2006
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	4/5/2006
Di-isopropyl ether	ND	5.0		µg/L	1	4/5/2006
Dibromochloromethane	ND	5.0		µg/L	1	4/5/2006
Dibromomethane	ND	5.0		µg/L	1	4/5/2006
Dichlorodifluoromethane	ND	5.0		µg/L	1	4/5/2006
Ethyl tert-butyl ether	ND	5.0		µg/L	1	4/5/2006
Ethylbenzene	ND	5.0		µg/L	1	4/5/2006
Hexachlorobutadiene	ND	5.0		µg/L	1	4/5/2006
Isopropylbenzene	ND	5.0		µg/L	1	4/5/2006
m,p-Xylene	ND	10		µg/L	1	4/5/2006
Methylene chloride	ND	5.0		µg/L	1	4/5/2006
MTBE	1300	250		µg/L	50	4/6/2006
n-Butylbenzene	ND	5.0		µg/L	1	4/5/2006
n-Propylbenzene	6.5	5.0		µg/L	1	4/5/2006
Naphthalene	36	5.0		µg/L	1	4/5/2006
o-Xylene	ND	5.0		µg/L	1	4/5/2006
sec-Butylbenzene	ND	5.0		µg/L	1	4/5/2006
Styrene	ND	5.0		µg/L	1	4/5/2006
Tert-amyl methyl ether	ND	5.0		µg/L	1	4/5/2006
Tert-Butanol	ND	100		µg/L	1	4/5/2006
tert-Butylbenzene	ND	5.0		µg/L	1	4/5/2006
Tetrachloroethene	ND	5.0		µg/L	1	4/5/2006
Toluene	ND	5.0		µg/L	1	4/5/2006
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	4/5/2006
Trichloroethene	ND	5.0		µg/L	1	4/5/2006
Trichlorofluoromethane	ND	5.0		µg/L	1	4/5/2006
Vinyl chloride	ND	5.0		µg/L	1	4/5/2006
Surr: 1,2-Dichloroethane-d4	94.5	70-126		%REC	1	4/5/2006
Surr: 4-Bromofluorobenzene	101	63-134		%REC	1	4/5/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *10-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	MW-24
Lab Order:	083496	**Collection Date:**	3/31/2006 11:45:00 AM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083496-003	**Matrix:**	GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060405A	QC Batch: Q06VW072			PrepDate:		Analyst: **HH**
Surr: Dibromofluoromethane	101	73-124		%REC	1	4/5/2006
Surr: Toluene-d8	104	84-123		%REC	1	4/5/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *10-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	MW-25
Lab Order:	083496	**Collection Date:**	3/31/2006 1:55:00 PM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083496-004	**Matrix:**	GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3510C				**EPA 8015B(M)**		
RunID: GC7_BACK_060405A QC Batch: 27458				PrepDate: 4/5/2006		Analyst: **CBR**
DRO	0.22	0.20		mg/L	1	4/5/2006
Surr: p-Terphenyl	65.7	32-125		%REC	1	4/5/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC6_060404A QC Batch: I06VW086				PrepDate:		Analyst: **EA**
GRO	0.53	0.20		mg/L	1	4/4/2006
Surr: Bromofluorobenzene (FID)	99.8	76-125		%REC	1	4/4/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060405A QC Batch: Q06VW072				PrepDate:		Analyst: **HH**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	4/5/2006
1,1,1-Trichloroethane	ND	5.0		µg/L	1	4/5/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	4/5/2006
1,1,2-Trichloroethane	ND	5.0		µg/L	1	4/5/2006
1,1-Dichloroethane	ND	5.0		µg/L	1	4/5/2006
1,1-Dichloroethene	ND	5.0		µg/L	1	4/5/2006
1,1-Dichloropropene	ND	5.0		µg/L	1	4/5/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/L	1	4/5/2006
1,2,3-Trichloropropane	ND	5.0		µg/L	1	4/5/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	4/5/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/L	1	4/5/2006
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	4/5/2006
1,2-Dibromoethane	ND	5.0		µg/L	1	4/5/2006
1,2-Dichlorobenzene	ND	5.0		µg/L	1	4/5/2006
1,2-Dichloroethane	ND	5.0		µg/L	1	4/5/2006
1,2-Dichloropropane	ND	5.0		µg/L	1	4/5/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	4/5/2006
1,3-Dichlorobenzene	ND	5.0		µg/L	1	4/5/2006
1,3-Dichloropropane	ND	5.0		µg/L	1	4/5/2006
1,4-Dichlorobenzene	ND	5.0		µg/L	1	4/5/2006
2,2-Dichloropropane	ND	5.0		µg/L	1	4/5/2006
2-Chlorotoluene	ND	5.0		µg/L	1	4/5/2006
4-Chlorotoluene	ND	5.0		µg/L	1	4/5/2006
4-Isopropyltoluene	ND	5.0		µg/L	1	4/5/2006
Benzene	57	5.0		µg/L	1	4/5/2006
Bromobenzene	ND	5.0		µg/L	1	4/5/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *10-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083496
Project: I-5 EXPANSION, 105812001
Lab ID: 083496-004

Client Sample ID: MW-25
Collection Date: 3/31/2006 1:55:00 PM
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060405A	QC Batch: Q06VW072			PrepDate:		Analyst: **HH**
Bromodichloromethane	ND	5.0		µg/L	1	4/5/2006
Bromoform	ND	5.0		µg/L	1	4/5/2006
Bromomethane	ND	5.0		µg/L	1	4/5/2006
Carbon tetrachloride	ND	5.0		µg/L	1	4/5/2006
Chlorobenzene	ND	5.0		µg/L	1	4/5/2006
Chloroethane	ND	5.0		µg/L	1	4/5/2006
Chloroform	ND	5.0		µg/L	1	4/5/2006
Chloromethane	ND	5.0		µg/L	1	4/5/2006
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	4/5/2006
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	4/5/2006
Di-isopropyl ether	ND	5.0		µg/L	1	4/5/2006
Dibromochloromethane	ND	5.0		µg/L	1	4/5/2006
Dibromomethane	ND	5.0		µg/L	1	4/5/2006
Dichlorodifluoromethane	ND	5.0		µg/L	1	4/5/2006
Ethyl tert-butyl ether	ND	5.0		µg/L	1	4/5/2006
Ethylbenzene	ND	5.0		µg/L	1	4/5/2006
Hexachlorobutadiene	ND	5.0		µg/L	1	4/5/2006
Isopropylbenzene	5.8	5.0		µg/L	1	4/5/2006
m,p-Xylene	ND	10		µg/L	1	4/5/2006
Methylene chloride	ND	5.0		µg/L	1	4/5/2006
MTBE	150	25		µg/L	5	4/6/2006
n-Butylbenzene	ND	5.0		µg/L	1	4/5/2006
n-Propylbenzene	13	5.0		µg/L	1	4/5/2006
Naphthalene	ND	5.0		µg/L	1	4/5/2006
o-Xylene	ND	5.0		µg/L	1	4/5/2006
sec-Butylbenzene	ND	5.0		µg/L	1	4/5/2006
Styrene	ND	5.0		µg/L	1	4/5/2006
Tert-amyl methyl ether	ND	5.0		µg/L	1	4/5/2006
Tert-Butanol	ND	100		µg/L	1	4/5/2006
tert-Butylbenzene	ND	5.0		µg/L	1	4/5/2006
Tetrachloroethene	ND	5.0		µg/L	1	4/5/2006
Toluene	ND	5.0		µg/L	1	4/5/2006
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	4/5/2006
Trichloroethene	ND	5.0		µg/L	1	4/5/2006
Trichlorofluoromethane	ND	5.0		µg/L	1	4/5/2006
Vinyl chloride	ND	5.0		µg/L	1	4/5/2006
Surr: 1,2-Dichloroethane-d4	97.2	70-126		%REC	1	4/5/2006
Surr: 4-Bromofluorobenzene	101	63-134		%REC	1	4/5/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *10-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	MW-25
Lab Order:	083496	**Collection Date:**	3/31/2006 1:55:00 PM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083496-004	**Matrix:**	GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060405A	QC Batch: Q06VW072			PrepDate:		Analyst: **HH**
Surr: Dibromofluoromethane	101	73-124		%REC	1	4/5/2006
Surr: Toluene-d8	102	84-123		%REC	1	4/5/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: *10-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083496
Project: I-5 EXPANSION, 105812001
Lab ID: 083496-005

Client Sample ID: Equip-02
Collection Date: 3/31/2006 2:20:00 PM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3510C				**EPA 8015B(M)**		
RunID: GC7_BACK_060406A	QC Batch: 27460			PrepDate: 4/5/2006		Analyst: **CBR**
DRO	ND	0.20		mg/L	1	4/6/2006
Surr: p-Terphenyl	44.6	32-125		%REC	1	4/6/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC6_060404A	QC Batch: I06VW086			PrepDate:		Analyst: **EA**
GRO	ND	0.20		mg/L	1	4/4/2006
Surr: Bromofluorobenzene (FID)	98.5	76-125		%REC	1	4/4/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060405B	QC Batch: Q06VW073			PrepDate:		Analyst: **HH**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	4/6/2006
1,1,1-Trichloroethane	ND	5.0		µg/L	1	4/6/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	4/6/2006
1,1,2-Trichloroethane	ND	5.0		µg/L	1	4/6/2006
1,1-Dichloroethane	ND	5.0		µg/L	1	4/6/2006
1,1-Dichloroethene	ND	5.0		µg/L	1	4/6/2006
1,1-Dichloropropene	ND	5.0		µg/L	1	4/6/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/L	1	4/6/2006
1,2,3-Trichloropropane	ND	5.0		µg/L	1	4/6/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	4/6/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/L	1	4/6/2006
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	4/6/2006
1,2-Dibromoethane	ND	5.0		µg/L	1	4/6/2006
1,2-Dichlorobenzene	ND	5.0		µg/L	1	4/6/2006
1,2-Dichloroethane	ND	5.0		µg/L	1	4/6/2006
1,2-Dichloropropane	ND	5.0		µg/L	1	4/6/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	4/6/2006
1,3-Dichlorobenzene	ND	5.0		µg/L	1	4/6/2006
1,3-Dichloropropane	ND	5.0		µg/L	1	4/6/2006
1,4-Dichlorobenzene	ND	5.0		µg/L	1	4/6/2006
2,2-Dichloropropane	ND	5.0		µg/L	1	4/6/2006
2-Chlorotoluene	ND	5.0		µg/L	1	4/6/2006
4-Chlorotoluene	ND	5.0		µg/L	1	4/6/2006
4-Isopropyltoluene	ND	5.0		µg/L	1	4/6/2006
Benzene	ND	5.0		µg/L	1	4/6/2006
Bromobenzene	ND	5.0		µg/L	1	4/6/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *10-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083496
Project: I-5 EXPANSION, 105812001
Lab ID: 083496-005

Client Sample ID: Equip-02
Collection Date: 3/31/2006 2:20:00 PM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060405B	QC Batch: Q06VW073			PrepDate:		Analyst: **HH**
Bromodichloromethane	ND	5.0		µg/L	1	4/6/2006
Bromoform	ND	5.0		µg/L	1	4/6/2006
Bromomethane	ND	5.0		µg/L	1	4/6/2006
Carbon tetrachloride	ND	5.0		µg/L	1	4/6/2006
Chlorobenzene	ND	5.0		µg/L	1	4/6/2006
Chloroethane	ND	5.0		µg/L	1	4/6/2006
Chloroform	ND	5.0		µg/L	1	4/6/2006
Chloromethane	ND	5.0		µg/L	1	4/6/2006
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	4/6/2006
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	4/6/2006
Di-isopropyl ether	ND	5.0		µg/L	1	4/6/2006
Dibromochloromethane	ND	5.0		µg/L	1	4/6/2006
Dibromomethane	ND	5.0		µg/L	1	4/6/2006
Dichlorodifluoromethane	ND	5.0		µg/L	1	4/6/2006
Ethyl tert-butyl ether	ND	5.0		µg/L	1	4/6/2006
Ethylbenzene	ND	5.0		µg/L	1	4/6/2006
Hexachlorobutadiene	ND	5.0		µg/L	1	4/6/2006
Isopropylbenzene	ND	5.0		µg/L	1	4/6/2006
m,p-Xylene	ND	10		µg/L	1	4/6/2006
Methylene chloride	ND	5.0		µg/L	1	4/6/2006
MTBE	ND	5.0		µg/L	1	4/6/2006
n-Butylbenzene	ND	5.0		µg/L	1	4/6/2006
n-Propylbenzene	ND	5.0		µg/L	1	4/6/2006
Naphthalene	ND	5.0		µg/L	1	4/6/2006
o-Xylene	ND	5.0		µg/L	1	4/6/2006
sec-Butylbenzene	ND	5.0		µg/L	1	4/6/2006
Styrene	ND	5.0		µg/L	1	4/6/2006
Tert-amyl methyl ether	ND	5.0		µg/L	1	4/6/2006
Tert-Butanol	ND	100		µg/L	1	4/6/2006
tert-Butylbenzene	ND	5.0		µg/L	1	4/6/2006
Tetrachloroethene	ND	5.0		µg/L	1	4/6/2006
Toluene	ND	5.0		µg/L	1	4/6/2006
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	4/6/2006
Trichloroethene	ND	5.0		µg/L	1	4/6/2006
Trichlorofluoromethane	ND	5.0		µg/L	1	4/6/2006
Vinyl chloride	ND	5.0		µg/L	1	4/6/2006
Surr: 1,2-Dichloroethane-d4	111	70-126		%REC	1	4/6/2006
Surr: 4-Bromofluorobenzene	92.7	63-134		%REC	1	4/6/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *10-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	Equip-02
Lab Order:	083496	**Collection Date:**	3/31/2006 2:20:00 PM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083496-005	**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060405B	QC Batch:	Q06VW073		PrepDate:		Analyst: **HH**
Surr: Dibromofluoromethane	110	73-124		%REC	1	4/6/2006
Surr: Toluene-d8	105	84-123		%REC	1	4/6/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

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CLIENT: Ninyo & Moore
Work Order: 083496
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_DSL H

Sample ID: **MB-27458** SampType: **MBLK** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/5/2006** RunNo: **61673**
Client ID: **PBW** Batch ID: **27458** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/5/2006** SeqNo: **913985**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	0.20									
Surr: p-Terphenyl	0.031		0.08000		38.2	32	125				

Sample ID: **LCS-27458** SampType: **LCS** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/5/2006** RunNo: **61673**
Client ID: **LCSW** Batch ID: **27458** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/5/2006** SeqNo: **913986**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.90	0.20	1.000	0	90.3	60	130				
Surr: p-Terphenyl	0.037		0.08000		45.8	32	125				

Sample ID: **MB-27458MS** SampType: **MS** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/5/2006** RunNo: **61673**
Client ID: **ZZZZZZ** Batch ID: **27458** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/5/2006** SeqNo: **913987**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.97	0.20	1.000	0	97.5	60	130				
Surr: p-Terphenyl	0.037		0.08000		45.9	32	125				

Sample ID: **MB-27458MSD** SampType: **MSD** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/5/2006** RunNo: **61673**
Client ID: **ZZZZZZ** Batch ID: **27458** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/5/2006** SeqNo: **913988**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.96	0.20	1.000	0	95.6	60	130	0.9746	1.97	40	
Surr: p-Terphenyl	0.039		0.08000		48.1	32	125		0	0	

Sample ID: **MB-27458** SampType: **MBLK** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/5/2006** RunNo: **61673**
Client ID: **PBW** Batch ID: **27458** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/5/2006** SeqNo: **913990**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	0.20									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_DSL H

Sample ID: **MB-27458** SampType: **MBLK** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/5/2006** RunNo: **61673**
Client ID: **PBW** Batch ID: **27458** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/5/2006** SeqNo: **913990**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: p-Terphenyl	0.027		0.08000		33.7	32	125				

Sample ID: **LCS-27458** SampType: **LCS** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/5/2006** RunNo: **61673**
Client ID: **LCSW** Batch ID: **27458** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/5/2006** SeqNo: **913991**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.92	0.20	1.000	0	91.6	60	130				
Surr: p-Terphenyl	0.038		0.08000		47.6	32	125				

Sample ID: **083420-003BDUP** SampType: **DUP** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/5/2006** RunNo: **61673**
Client ID: **ZZZZZZ** Batch ID: **27458** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/6/2006** SeqNo: **914000**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.63	0.22						0.5314	17.3	30	
Surr: p-Terphenyl	0.057		0.08889		64.5	32	125		0	0	

Sample ID: **MB-27458** SampType: **MBLK** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/5/2006** RunNo: **61673**
Client ID: **PBW** Batch ID: **27458** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/6/2006** SeqNo: **914077**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	0.20									
Surr: p-Terphenyl	0.027		0.08000		33.2	32	125				

Sample ID: **LCS-27458** SampType: **LCS** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/5/2006** RunNo: **61673**
Client ID: **LCSW** Batch ID: **27458** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/6/2006** SeqNo: **914078**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.98	0.20	1.000	0	97.9	60	130				
Surr: p-Terphenyl	0.035		0.08000		43.7	32	125				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_DSL H

Sample ID: **MB-27460** SampType: **MBLK** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/5/2006** RunNo: **61744**
Client ID: **PBW** Batch ID: **27460** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/6/2006** SeqNo: **913914**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	0.20									
Surr: p-Terphenyl	0.030		0.08000		37.0	32	125				

Sample ID: **LCS-27460** SampType: **LCS** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/5/2006** RunNo: **61744**
Client ID: **LCSW** Batch ID: **27460** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/6/2006** SeqNo: **913915**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.92	0.20	1.000	0	91.5	60	130				
Surr: p-Terphenyl	0.037		0.08000		46.5	32	125				

Sample ID: **MB-27460MS** SampType: **MS** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/5/2006** RunNo: **61744**
Client ID: **ZZZZZZ** Batch ID: **27460** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/6/2006** SeqNo: **913916**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.90	0.20	1.000	0	90.0	60	130				
Surr: p-Terphenyl	0.038		0.08000		47.4	32	125				

Sample ID: **MB-27460MSD** SampType: **MSD** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/5/2006** RunNo: **61744**
Client ID: **ZZZZZZ** Batch ID: **27460** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/6/2006** SeqNo: **913917**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.93	0.20	1.000	0	93.1	60	130	0.8997	3.44	40	
Surr: p-Terphenyl	0.034		0.08000		41.9	32	125		0	0	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_G PRES

Sample ID: **I040406MB2MS** SampType: **MS** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **61536**
Client ID: **ZZZZZZ** Batch ID: **I06VW086** TestNo: **EPA 8015B(M** Analysis Date: **4/4/2006** SeqNo: **911537**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.96	0.20	1.000	0	96.0	71	122				
Surr: Bromofluorobenzene (FID)	110		100.0		113	76	125				

Sample ID: **I040406MB2MSD** SampType: **MSD** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **61536**
Client ID: **ZZZZZZ** Batch ID: **I06VW086** TestNo: **EPA 8015B(M** Analysis Date: **4/4/2006** SeqNo: **911538**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.95	0.20	1.000	0	94.9	71	122	0.9600	1.15	30	
Surr: Bromofluorobenzene (FID)	110		100.0		109	76	125		0	0	

Sample ID: **I040406MB2** SampType: **MBLK** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **61536**
Client ID: **PBW** Batch ID: **I06VW086** TestNo: **EPA 8015B(M** Analysis Date: **4/4/2006** SeqNo: **911539**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.20									
Surr: Bromofluorobenzene (FID)	100		100.0		101	76	125				

Sample ID: **083497-002B** SampType: **DUP** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **61536**
Client ID: **ZZZZZZ** Batch ID: **I06VW086** TestNo: **EPA 8015B(M** Analysis Date: **4/4/2006** SeqNo: **911604**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	28	0.20						28.09	1.30	30	
Surr: Bromofluorobenzene (FID)	100		100.0		102	76	125		0	0	

Sample ID: **I040406LCS2** SampType: **LCS** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **61536**
Client ID: **LCSW** Batch ID: **I06VW086** TestNo: **EPA 8015B(M** Analysis Date: **4/4/2006** SeqNo: **912357**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.86	0.20	1.000	0	86.4	71	122				
Surr: Bromofluorobenzene (FID)	100		100.0		103	76	125				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **Q040506LC2** SampType: **LCS** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61690**
Client ID: **LCSW** Batch ID: **Q06VW072** TestNo: **EPA 8260B** Analysis Date: **4/5/2006** SeqNo: **913286**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	23	5.0	20.00	0	115	76	132				
Benzene	23	5.0	20.00	0	113	90	123				
Chlorobenzene	22	5.0	20.00	0	108	76	118				
MTBE	21	5.0	20.00	0	107	78	134				
Toluene	23	5.0	20.00	0	114	91	124				
Trichloroethene	23	5.0	20.00	0	114	87	125				
Surr: 1,2-Dichloroethane-d4	54		50.00		107	70	126				
Surr: 4-Bromofluorobenzene	51		50.00		102	63	134				
Surr: Dibromofluoromethane	53		50.00		105	73	124				
Surr: Toluene-d8	53		50.00		106	84	123				

Sample ID: **Q040506MB1MS** SampType: **MS** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61690**
Client ID: **ZZZZZZ** Batch ID: **Q06VW072** TestNo: **EPA 8260B** Analysis Date: **4/5/2006** SeqNo: **913287**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	23	5.0	20.00	0	116	76	132				
Benzene	22	5.0	20.00	0	112	90	123				
Chlorobenzene	21	5.0	20.00	0	107	76	118				
MTBE	20	5.0	20.00	0	102	78	134				
Toluene	23	5.0	20.00	0	113	91	124				
Trichloroethene	22	5.0	20.00	0	112	87	125				
Surr: 1,2-Dichloroethane-d4	53		50.00		106	70	126				
Surr: 4-Bromofluorobenzene	51		50.00		103	63	134				
Surr: Dibromofluoromethane	54		50.00		108	73	124				
Surr: Toluene-d8	55		50.00		110	84	123				

Sample ID: **Q040506MB1MSD** SampType: **MSD** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61690**
Client ID: **ZZZZZZ** Batch ID: **Q06VW072** TestNo: **EPA 8260B** Analysis Date: **4/5/2006** SeqNo: **913288**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	22	5.0	20.00	0	112	76	132	23.23	3.59	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **Q040506MB1MSD** SampType: **MSD** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61690**
Client ID: **ZZZZZZ** Batch ID: **Q06VW072** TestNo: **EPA 8260B** Analysis Date: **4/5/2006** SeqNo: **913288**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	23	5.0	20.00	0	113	90	123	22.49	0.621	30	
Chlorobenzene	22	5.0	20.00	0	109	76	118	21.49	1.11	30	
MTBE	20	5.0	20.00	0	102	78	134	20.47	0.0977	30	
Toluene	23	5.0	20.00	0	114	91	124	22.61	0.837	30	
Trichloroethene	23	5.0	20.00	0	113	87	125	22.40	0.889	30	
Surr: 1,2-Dichloroethane-d4	52		50.00		103	70	126		0	30	
Surr: 4-Bromofluorobenzene	51		50.00		101	63	134		0	30	
Surr: Dibromofluoromethane	51		50.00		102	73	124		0	30	
Surr: Toluene-d8	55		50.00		109	84	123		0	30	

Sample ID: **Q040506MB1** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61690**
Client ID: **PBW** Batch ID: **Q06VW072** TestNo: **EPA 8260B** Analysis Date: **4/5/2006** SeqNo: **913289**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	5.0									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Work Order: 083496
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **Q040506MB1** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61690**
Client ID: **PBW** Batch ID: **Q06VW072** TestNo: **EPA 8260B** Analysis Date: **4/5/2006** SeqNo: **913289**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Di-isopropyl ether	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethyl tert-butyl ether	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
MTBE	ND	5.0									
n-Butylbenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 083496
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **Q040506MB1** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61690**
Client ID: **PBW** Batch ID: **Q06VW072** TestNo: **EPA 8260B** Analysis Date: **4/5/2006** SeqNo: **913289**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
Tert-amyl methyl ether	ND	5.0									
Tert-Butanol	ND	100									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	57		50.00		113	70	126				
Surr: 4-Bromofluorobenzene	48		50.00		95.8	63	134				
Surr: Dibromofluoromethane	56		50.00		112	73	124				
Surr: Toluene-d8	54		50.00		107	84	123				

Sample ID: **083495-002ADUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61690**
Client ID: **ZZZZZZ** Batch ID: **Q06VW072** TestNo: **EPA 8260B** Analysis Date: **4/5/2006** SeqNo: **913307**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0						0	0	30	
1,1,1-Trichloroethane	ND	5.0						0	0	30	
1,1,2,2-Tetrachloroethane	ND	5.0						0	0	30	
1,1,2-Trichloroethane	ND	5.0						0	0	30	
1,1-Dichloroethane	ND	5.0						0	0	30	
1,1-Dichloroethene	ND	5.0						0	0	30	
1,1-Dichloropropene	ND	5.0						0	0	30	
1,2,3-Trichlorobenzene	ND	5.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
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H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083496
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **083495-002ADUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61690**
Client ID: **ZZZZZZ** Batch ID: **Q06VW072** TestNo: **EPA 8260B** Analysis Date: **4/5/2006** SeqNo: **913307**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,3-Trichloropropane	ND	5.0						0	0	30	
1,2,4-Trichlorobenzene	ND	5.0						0	0	30	
1,2,4-Trimethylbenzene	41	5.0						40.21	2.02	30	
1,2-Dibromo-3-chloropropane	ND	5.0						0	0	30	
1,2-Dibromoethane	ND	5.0						0	0	30	
1,2-Dichlorobenzene	ND	5.0						0	0	30	
1,2-Dichloroethane	ND	5.0						0	0	30	
1,2-Dichloropropane	ND	5.0						0	0	30	
1,3,5-Trimethylbenzene	ND	5.0						0	0	30	
1,3-Dichlorobenzene	ND	5.0						0	0	30	
1,3-Dichloropropane	ND	5.0						0	0	30	
1,4-Dichlorobenzene	ND	5.0						0	0	30	
2,2-Dichloropropane	ND	5.0						0	0	30	
2-Chlorotoluene	ND	5.0						0	0	30	
4-Chlorotoluene	ND	5.0						0	0	30	
4-Isopropyltoluene	ND	5.0						0	0	30	
Benzene	26	5.0						27.25	4.01	30	
Bromobenzene	ND	5.0						0	0	30	
Bromodichloromethane	ND	5.0						0	0	30	
Bromoform	ND	5.0						0	0	30	
Bromomethane	ND	5.0						0	0	30	
Carbon tetrachloride	ND	5.0						0	0	30	
Chlorobenzene	ND	5.0						0	0	30	
Chloroethane	ND	5.0						0	0	30	
Chloroform	ND	5.0						0	0	30	
Chloromethane	ND	5.0						0	0	30	
cis-1,2-Dichloroethene	ND	5.0						0	0	30	
cis-1,3-Dichloropropene	ND	5.0						0	0	30	
Di-isopropyl ether	ND	5.0						0	0	30	
Dibromochloromethane	ND	5.0						0	0	30	
Dibromomethane	ND	5.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083496
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **083495-002ADUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61690**
Client ID: **ZZZZZZ** Batch ID: **Q06VW072** TestNo: **EPA 8260B** Analysis Date: **4/5/2006** SeqNo: **913307**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	ND	5.0						0	0	30	
Ethyl tert-butyl ether	ND	5.0						0	0	30	
Ethylbenzene	80	5.0						82.08	2.11	30	
Hexachlorobutadiene	ND	5.0						0	0	30	
Isopropylbenzene	49	5.0						48.49	1.43	30	
m,p-Xylene	ND	10						6.050	0	30	
Methylene chloride	ND	5.0						0	0	30	
n-Butylbenzene	7.1	5.0						6.980	1.42	30	
n-Propylbenzene	83	5.0						84.47	1.84	30	
Naphthalene	57	5.0						57.97	1.93	30	
o-Xylene	ND	5.0						0	0	30	
sec-Butylbenzene	10	5.0						9.830	1.71	30	
Styrene	ND	5.0						0	0	30	
Tert-amyl methyl ether	ND	5.0						4.150	0	30	
Tert-Butanol	ND	100						0	0	30	
tert-Butylbenzene	ND	5.0						0	0	30	
Tetrachloroethene	ND	5.0						0	0	30	
Toluene	ND	5.0						0	0	30	
trans-1,2-Dichloroethene	ND	5.0						0	0	30	
Trichloroethene	ND	5.0						0	0	30	
Trichlorofluoromethane	ND	5.0						0	0	30	
Vinyl chloride	ND	5.0						0	0	30	
Surr: 1,2-Dichloroethane-d4	49		50.00		98.9	70	126		0	30	
Surr: 4-Bromofluorobenzene	52		50.00		105	63	134		0	30	
Surr: Dibromofluoromethane	51		50.00		101	73	124		0	30	
Surr: Toluene-d8	54		50.00		108	84	123		0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
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H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Work Order: 083496
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **Q040506LC3** SampType: **LCS** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61702**
Client ID: **LCSW** Batch ID: **Q06VW073** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **913387**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	23	5.0	20.00	0	113	76	132				
Benzene	21	5.0	20.00	0	106	90	123				
Chlorobenzene	21	5.0	20.00	0	104	76	118				
MTBE	21	5.0	20.00	0	106	78	134				
Toluene	21	5.0	20.00	0	106	91	124				
Trichloroethene	22	5.0	20.00	0	110	87	125				
Surr: 1,2-Dichloroethane-d4	53		50.00		105	70	126				
Surr: 4-Bromofluorobenzene	52		50.00		104	63	134				
Surr: Dibromofluoromethane	53		50.00		105	73	124				
Surr: Toluene-d8	51		50.00		102	84	123				

Sample ID: **Q040506MB3MS** SampType: **MS** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61702**
Client ID: **ZZZZZZ** Batch ID: **Q06VW073** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **913388**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	23	5.0	20.00	0	116	76	132				
Benzene	22	5.0	20.00	0	109	90	123				
Chlorobenzene	21	5.0	20.00	0	106	76	118				
MTBE	21	5.0	20.00	0	104	78	134				
Toluene	22	5.0	20.00	0	109	91	124				
Trichloroethene	21	5.0	20.00	0	107	87	125				
Surr: 1,2-Dichloroethane-d4	51		50.00		103	70	126				
Surr: 4-Bromofluorobenzene	50		50.00		101	63	134				
Surr: Dibromofluoromethane	52		50.00		103	73	124				
Surr: Toluene-d8	51		50.00		101	84	123				

Sample ID: **Q040506MB3MSD** SampType: **MSD** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61702**
Client ID: **ZZZZZZ** Batch ID: **Q06VW073** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **913389**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	23	5.0	20.00	0	116	76	132	23.11	0.690	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **Q040506MB3MSD** SampType: **MSD** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61702**
Client ID: **ZZZZZZ** Batch ID: **Q06VW073** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **913389**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	21	5.0	20.00	0	107	90	123	21.81	1.80	30	
Chlorobenzene	22	5.0	20.00	0	108	76	118	21.21	1.40	30	
MTBE	21	5.0	20.00	0	107	78	134	20.84	2.79	30	
Toluene	22	5.0	20.00	0	108	91	124	21.76	0.784	30	
Trichloroethene	21	5.0	20.00	0	105	87	125	21.49	2.26	30	
Surr: 1,2-Dichloroethane-d4	52		50.00		103	70	126		0	30	
Surr: 4-Bromofluorobenzene	51		50.00		102	63	134		0	30	
Surr: Dibromofluoromethane	51		50.00		102	73	124		0	30	
Surr: Toluene-d8	51		50.00		101	84	123		0	30	

Sample ID: **Q040506MB3** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61702**
Client ID: **PBW** Batch ID: **Q06VW073** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **913390**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	5.0									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
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H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Work Order: 083496
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **Q040506MB3** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61702**
Client ID: **PBW** Batch ID: **Q06VW073** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **913390**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Di-isopropyl ether	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethyl tert-butyl ether	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
MTBE	ND	5.0									
n-Butylbenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **Q040506MB3** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61702**
Client ID: **PBW** Batch ID: **Q06VW073** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **913390**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
Tert-amyl methyl ether	ND	5.0									
Tert-Butanol	ND	100									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	56		50.00		111	70	126				
Surr: 4-Bromofluorobenzene	49		50.00		97.4	63	134				
Surr: Dibromofluoromethane	55		50.00		110	73	124				
Surr: Toluene-d8	51		50.00		102	84	123				

Sample ID: **083497-002ADUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61702**
Client ID: **ZZZZZZ** Batch ID: **Q06VW073** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **913395**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0						0	0	30	
1,1,1-Trichloroethane	ND	5.0						0	0	30	
1,1,2,2-Tetrachloroethane	ND	5.0						0	0	30	
1,1,2-Trichloroethane	ND	5.0						0	0	30	
1,1-Dichloroethane	ND	5.0						0	0	30	
1,1-Dichloroethene	ND	5.0						0	0	30	
1,1-Dichloropropene	ND	5.0						0	0	30	
1,2,3-Trichlorobenzene	ND	5.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083496
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **083497-002ADUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61702**
Client ID: **ZZZZZZ** Batch ID: **Q06VW073** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **913395**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,3-Trichloropropane	ND	5.0						0	0	30	
1,2,4-Trichlorobenzene	ND	5.0						0	0	30	
1,2,4-Trimethylbenzene	29	5.0						28.71	0.664	30	
1,2-Dibromo-3-chloropropane	ND	5.0						0	0	30	
1,2-Dibromoethane	ND	5.0						0	0	30	
1,2-Dichlorobenzene	ND	5.0						0	0	30	
1,2-Dichloroethane	ND	5.0						0	0	30	
1,2-Dichloropropane	ND	5.0						0	0	30	
1,3,5-Trimethylbenzene	ND	5.0						2.020	0	30	
1,3-Dichlorobenzene	ND	5.0						0	0	30	
1,3-Dichloropropane	ND	5.0						0	0	30	
1,4-Dichlorobenzene	ND	5.0						0	0	30	
2,2-Dichloropropane	ND	5.0						0	0	30	
2-Chlorotoluene	ND	5.0						0	0	30	
4-Chlorotoluene	ND	5.0						0	0	30	
4-Isopropyltoluene	ND	5.0						0	0	30	
Bromobenzene	ND	5.0						0	0	30	
Bromodichloromethane	ND	5.0						0	0	30	
Bromoform	ND	5.0						0	0	30	
Bromomethane	ND	5.0						0	0	30	
Carbon tetrachloride	ND	5.0						0	0	30	
Chlorobenzene	ND	5.0						0	0	30	
Chloroethane	ND	5.0						0	0	30	
Chloroform	ND	5.0						0	0	30	
Chloromethane	ND	5.0						0	0	30	
cis-1,2-Dichloroethene	ND	5.0						0	0	30	
cis-1,3-Dichloropropene	ND	5.0						0	0	30	
Di-isopropyl ether	ND	5.0						0	0	30	
Dibromochloromethane	ND	5.0						0	0	30	
Dibromomethane	ND	5.0						0	0	30	
Dichlorodifluoromethane	ND	5.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083496
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **083497-002ADUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61702**
Client ID: **ZZZZZZ** Batch ID: **Q06VW073** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **913395**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethyl tert-butyl ether	ND	5.0						0	0	30	
Ethylbenzene	34	5.0						34.49	2.85	30	
Hexachlorobutadiene	ND	5.0						0	0	30	
Isopropylbenzene	40	5.0						40.68	1.51	30	
m,p-Xylene	ND	10						8.590	0	30	
Methylene chloride	ND	5.0						0	0	30	
n-Butylbenzene	ND	5.0						2.870	0	30	
n-Propylbenzene	67	5.0						69.58	4.33	30	
o-Xylene	ND	5.0						0	0	30	
sec-Butylbenzene	ND	5.0						0	0	30	
Styrene	ND	5.0						0	0	30	
Tert-amyl methyl ether	ND	5.0						0	0	30	
Tert-Butanol	ND	100						0	0	30	
tert-Butylbenzene	ND	5.0						0	0	30	
Tetrachloroethene	ND	5.0						0	0	30	
Toluene	13	5.0						13.95	6.36	30	
trans-1,2-Dichloroethene	ND	5.0						0	0	30	
Trichloroethene	ND	5.0						0	0	30	
Trichlorofluoromethane	ND	5.0						0	0	30	
Vinyl chloride	ND	5.0						0	0	30	
Surr: 1,2-Dichloroethane-d4	52		50.00		105	70	126		0	30	
Surr: 4-Bromofluorobenzene	52		50.00		104	63	134		0	30	
Surr: Dibromofluoromethane	53		50.00		105	73	124		0	30	
Surr: Toluene-d8	52		50.00		104	84	123		0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 083496
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **Q040606LC1** SampType: **LCS** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61747**
Client ID: **LCSW** Batch ID: **Q06VW074** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **913957**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	22	5.0	20.00	0	108	76	132				
Benzene	22	5.0	20.00	0	108	90	123				
Chlorobenzene	20	5.0	20.00	0	102	76	118				
MTBE	20	5.0	20.00	0	101	78	134				
Toluene	21	5.0	20.00	0	105	91	124				
Trichloroethene	21	5.0	20.00	0	105	87	125				
Surr: 1,2-Dichloroethane-d4	50		50.00		100	70	126				
Surr: 4-Bromofluorobenzene	50		50.00		99.6	63	134				
Surr: Dibromofluoromethane	50		50.00		100	73	124				
Surr: Toluene-d8	52		50.00		104	84	123				

Sample ID: **Q040606MB1MS** SampType: **MS** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61747**
Client ID: **ZZZZZZ** Batch ID: **Q06VW074** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **913958**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	22	5.0	20.00	0	111	76	132				
Benzene	22	5.0	20.00	0	109	90	123				
Chlorobenzene	21	5.0	20.00	0	105	76	118				
MTBE	21	5.0	20.00	0	105	78	134				
Toluene	22	5.0	20.00	0	108	91	124				
Trichloroethene	21	5.0	20.00	0	104	87	125				
Surr: 1,2-Dichloroethane-d4	50		50.00		100	70	126				
Surr: 4-Bromofluorobenzene	49		50.00		98.9	63	134				
Surr: Dibromofluoromethane	50		50.00		99.9	73	124				
Surr: Toluene-d8	52		50.00		104	84	123				

Sample ID: **Q040606MB1MSD** SampType: **MSD** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61747**
Client ID: **ZZZZZZ** Batch ID: **Q06VW074** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **913959**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	21	5.0	20.00	0	107	76	132	22.23	3.90	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 083496
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **Q040606MB1MSD** SampType: **MSD** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61747**
Client ID: **ZZZZZZ** Batch ID: **Q06VW074** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **913959**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	22	5.0	20.00	0	110	90	123	21.75	1.55	30	
Chlorobenzene	21	5.0	20.00	0	103	76	118	20.99	1.88	30	
MTBE	20	5.0	20.00	0	101	78	134	21.04	3.63	30	
Toluene	21	5.0	20.00	0	107	91	124	21.55	1.07	30	
Trichloroethene	22	5.0	20.00	0	108	87	125	20.88	3.85	30	
Surr: 1,2-Dichloroethane-d4	49		50.00		98.3	70	126		0	30	
Surr: 4-Bromofluorobenzene	51		50.00		102	63	134		0	30	
Surr: Dibromofluoromethane	50		50.00		101	73	124		0	30	
Surr: Toluene-d8	52		50.00		104	84	123		0	30	

Sample ID: **Q040606MB1** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61747**
Client ID: **PBW** Batch ID: **Q06VW074** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **913960**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	5.0									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 083496
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **Q040606MB1** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61747**
Client ID: **PBW** Batch ID: **Q06VW074** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **913960**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Di-isopropyl ether	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethyl tert-butyl ether	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
MTBE	ND	5.0									
n-Butylbenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 083496
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **Q040606MB1** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61747**
Client ID: **PBW** Batch ID: **Q06VW074** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **913960**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
Tert-amyl methyl ether	ND	5.0									
Tert-Butanol	ND	100									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	53		50.00		106	70	126				
Surr: 4-Bromofluorobenzene	47		50.00		94.8	63	134				
Surr: Dibromofluoromethane	53		50.00		107	73	124				
Surr: Toluene-d8	52		50.00		103	84	123				

Sample ID: **083495-002ADUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61747**
Client ID: **ZZZZZZ** Batch ID: **Q06VW074** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **913963**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
MTBE	1200	500						1145	7.69	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY RECORD

Pg ___ of ___

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: ___

Logged By: ___ Date: 4/4/06

Method of Transport: Client ☐ ATL ☒ CA OverN ☐ FEDEX ☐ Other: ___

Sample Condition Upon Receipt:
1. CHILLED Y☑ N☐ 4. SEALED Y☐ N☑
2. HEADSPACE (VOA) Y☐ N☑ 5. # OF SPLS MATCH COC Y☑ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☑ N☐

Client: Ninyo & Moore
Attn: Scott Snyder
Address: 5710 Ruffin Rd
City: San Diego State: CA Zip Code: 92123
TEL: (858) 876-1000
FAX: (858) 576-9600

Project Name: I-5 Expansion Project #: 105812001 Sampler: (Printed Name) Matt Fuller (Signature) [signature]

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
M. Fuller [signature]			[signature]	4-3-06	4:30p
[signature]	4-3-06	7:00p	[signature]	4/4/06	9:10

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Matt Fuller 3-31-06
Print Name Date
[signature]
Signature

Send Report To:
Attn: Scott Snyder
Co: Ninyo & Moore
Address: 5710 Ruffin
City: SD State: CA Zip: 92123

Bill To:
Attn: Same as
Co: ←
Address: ___
City ___ State ___ Zip ___

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested; SPECIFY APPROPRIATE MATRIX

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	8260B Oxygenates	8015 TPH-g	8015 TPH-d	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	0834 96-001	Trip-02	3-31-06	0900			X											X			E	2	VL G	H	
	-002	MW-15		1100			X							X	X	X			X			7	VL G		
	-003	MW-24		1145			X							X	X	X			X						
	-004	MW-25		13:55			X							X	X	X			X						
	-005	Equip-02		1420			X							X	X	X		X							

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ___ OTHER ___

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr; B= Emergency Next workday; C= Critical 2 Workdays; D= Urgent 3 Workdays; E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

April 10, 2006

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 083495

RE: I-5 EXPANSION, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on April 03, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: *10-Apr-06*

CLIENT: Ninyo & Moore
Project: I-5 EXPANSION, 105812001
Lab Order: 083495
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
083495-001A	TRIP-01	Groundwater	3/30/2006	4/3/2006	4/10/2006
083495-002A	MW-18	Groundwater	3/30/2006	4/3/2006	4/10/2006
083495-002B	MW-18	Groundwater	3/30/2006	4/3/2006	4/10/2006
083495-002C	MW-18	Groundwater	3/30/2006	4/3/2006	4/10/2006
083495-003A	MW-14	Groundwater	3/30/2006	4/3/2006	4/10/2006
083495-003B	MW-14	Groundwater	3/30/2006	4/3/2006	4/10/2006
083495-003C	MW-14	Groundwater	3/30/2006	4/3/2006	4/10/2006
083495-004A	MW-16	Groundwater	3/30/2006	4/3/2006	4/10/2006
083495-004B	MW-16	Groundwater	3/30/2006	4/3/2006	4/10/2006
083495-004C	MW-16	Groundwater	3/30/2006	4/3/2006	4/10/2006
083495-005A	MW-17	Groundwater	3/30/2006	4/3/2006	4/10/2006
083495-005B	MW-17	Groundwater	3/30/2006	4/3/2006	4/10/2006
083495-005C	MW-17	Groundwater	3/30/2006	4/3/2006	4/10/2006
083495-006A	Equip-01	Water	3/30/2006	4/3/2006	4/10/2006
083495-006B	Equip-01	Water	3/30/2006	4/3/2006	4/10/2006
083495-006C	Equip-01	Water	3/30/2006	4/3/2006	4/10/2006

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *10-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083495
Project: I-5 EXPANSION, 105812001
Lab ID: 083495-001

Client Sample ID: TRIP-01
Collection Date: 3/30/2006 10:00:00 AM
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060405A	QC Batch: Q06VW072			PrepDate:		Analyst: **HH**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	4/5/2006
1,1,1-Trichloroethane	ND	5.0		µg/L	1	4/5/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	4/5/2006
1,1,2-Trichloroethane	ND	5.0		µg/L	1	4/5/2006
1,1-Dichloroethane	ND	5.0		µg/L	1	4/5/2006
1,1-Dichloroethene	ND	5.0		µg/L	1	4/5/2006
1,1-Dichloropropene	ND	5.0		µg/L	1	4/5/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/L	1	4/5/2006
1,2,3-Trichloropropane	ND	5.0		µg/L	1	4/5/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	4/5/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/L	1	4/5/2006
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	4/5/2006
1,2-Dibromoethane	ND	5.0		µg/L	1	4/5/2006
1,2-Dichlorobenzene	ND	5.0		µg/L	1	4/5/2006
1,2-Dichloroethane	ND	5.0		µg/L	1	4/5/2006
1,2-Dichloropropane	ND	5.0		µg/L	1	4/5/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	4/5/2006
1,3-Dichlorobenzene	ND	5.0		µg/L	1	4/5/2006
1,3-Dichloropropane	ND	5.0		µg/L	1	4/5/2006
1,4-Dichlorobenzene	ND	5.0		µg/L	1	4/5/2006
2,2-Dichloropropane	ND	5.0		µg/L	1	4/5/2006
2-Chlorotoluene	ND	5.0		µg/L	1	4/5/2006
4-Chlorotoluene	ND	5.0		µg/L	1	4/5/2006
4-Isopropyltoluene	ND	5.0		µg/L	1	4/5/2006
Benzene	ND	5.0		µg/L	1	4/5/2006
Bromobenzene	ND	5.0		µg/L	1	4/5/2006
Bromodichloromethane	ND	5.0		µg/L	1	4/5/2006
Bromoform	ND	5.0		µg/L	1	4/5/2006
Bromomethane	ND	5.0		µg/L	1	4/5/2006
Carbon tetrachloride	ND	5.0		µg/L	1	4/5/2006
Chlorobenzene	ND	5.0		µg/L	1	4/5/2006
Chloroethane	ND	5.0		µg/L	1	4/5/2006
Chloroform	ND	5.0		µg/L	1	4/5/2006
Chloromethane	ND	5.0		µg/L	1	4/5/2006
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	4/5/2006
Dibromochloromethane	ND	5.0		µg/L	1	4/5/2006
Dibromomethane	ND	5.0		µg/L	1	4/5/2006
Dichlorodifluoromethane	ND	5.0		µg/L	1	4/5/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *10-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	TRIP-01
Lab Order:	083495	**Collection Date:**	3/30/2006 10:00:00 AM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083495-001	**Matrix:**	GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060405A	QC Batch:	Q06VW072			PrepDate:	Analyst: **HH**
Ethylbenzene	ND	5.0		µg/L	1	4/5/2006
Hexachlorobutadiene	ND	5.0		µg/L	1	4/5/2006
Isopropylbenzene	ND	5.0		µg/L	1	4/5/2006
m,p-Xylene	ND	10		µg/L	1	4/5/2006
Methylene chloride	ND	5.0		µg/L	1	4/5/2006
n-Butylbenzene	ND	5.0		µg/L	1	4/5/2006
n-Propylbenzene	ND	5.0		µg/L	1	4/5/2006
Naphthalene	ND	5.0		µg/L	1	4/5/2006
o-Xylene	ND	5.0		µg/L	1	4/5/2006
sec-Butylbenzene	ND	5.0		µg/L	1	4/5/2006
Styrene	ND	5.0		µg/L	1	4/5/2006
tert-Butylbenzene	ND	5.0		µg/L	1	4/5/2006
Tetrachloroethene	ND	5.0		µg/L	1	4/5/2006
Toluene	ND	5.0		µg/L	1	4/5/2006
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	4/5/2006
Trichloroethene	ND	5.0		µg/L	1	4/5/2006
Trichlorofluoromethane	ND	5.0		µg/L	1	4/5/2006
Vinyl chloride	ND	5.0		µg/L	1	4/5/2006
Surr: 1,2-Dichloroethane-d4	112	70-126		%REC	1	4/5/2006
Surr: 4-Bromofluorobenzene	95.9	63-134		%REC	1	4/5/2006
Surr: Dibromofluoromethane	117	73-124		%REC	1	4/5/2006
Surr: Toluene-d8	109	84-123		%REC	1	4/5/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *10-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083495
Project: I-5 EXPANSION, 105812001
Lab ID: 083495-002

Client Sample ID: MW-18
Collection Date: 3/30/2006 2:00:00 PM
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3510C				**EPA 8015B(M)**		
RunID: GC7_BACK_060405A	QC Batch: 27458			PrepDate: 4/5/2006		Analyst: **CBR**
DRO	9.1	1.0		mg/L	5	4/6/2006
Surr: p-Terphenyl	61.4	32-125		%REC	5	4/6/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC6_060404B	QC Batch: I06VW087			PrepDate:		Analyst: **EA**
GRO	2.8	1.0		mg/L	5	4/4/2006
Surr: Bromofluorobenzene (FID)	100	76-125		%REC	5	4/4/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060405A	QC Batch: Q06VW072			PrepDate:		Analyst: **HH**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	4/5/2006
1,1,1-Trichloroethane	ND	5.0		µg/L	1	4/5/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	4/5/2006
1,1,2-Trichloroethane	ND	5.0		µg/L	1	4/5/2006
1,1-Dichloroethane	ND	5.0		µg/L	1	4/5/2006
1,1-Dichloroethene	ND	5.0		µg/L	1	4/5/2006
1,1-Dichloropropene	ND	5.0		µg/L	1	4/5/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/L	1	4/5/2006
1,2,3-Trichloropropane	ND	5.0		µg/L	1	4/5/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	4/5/2006
1,2,4-Trimethylbenzene	40	5.0		µg/L	1	4/5/2006
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	4/5/2006
1,2-Dibromoethane	ND	5.0		µg/L	1	4/5/2006
1,2-Dichlorobenzene	ND	5.0		µg/L	1	4/5/2006
1,2-Dichloroethane	ND	5.0		µg/L	1	4/5/2006
1,2-Dichloropropane	ND	5.0		µg/L	1	4/5/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	4/5/2006
1,3-Dichlorobenzene	ND	5.0		µg/L	1	4/5/2006
1,3-Dichloropropane	ND	5.0		µg/L	1	4/5/2006
1,4-Dichlorobenzene	ND	5.0		µg/L	1	4/5/2006
2,2-Dichloropropane	ND	5.0		µg/L	1	4/5/2006
2-Chlorotoluene	ND	5.0		µg/L	1	4/5/2006
4-Chlorotoluene	ND	5.0		µg/L	1	4/5/2006
4-Isopropyltoluene	ND	5.0		µg/L	1	4/5/2006
Benzene	27	5.0		µg/L	1	4/5/2006
Bromobenzene	ND	5.0		µg/L	1	4/5/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *10-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	MW-18
Lab Order:	083495	**Collection Date:**	3/30/2006 2:00:00 PM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083495-002	**Matrix:**	GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060405A	QC Batch:	Q06VW072		PrepDate:		Analyst: **HH**
Bromodichloromethane	ND	5.0		µg/L	1	4/5/2006
Bromoform	ND	5.0		µg/L	1	4/5/2006
Bromomethane	ND	5.0		µg/L	1	4/5/2006
Carbon tetrachloride	ND	5.0		µg/L	1	4/5/2006
Chlorobenzene	ND	5.0		µg/L	1	4/5/2006
Chloroethane	ND	5.0		µg/L	1	4/5/2006
Chloroform	ND	5.0		µg/L	1	4/5/2006
Chloromethane	ND	5.0		µg/L	1	4/5/2006
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	4/5/2006
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	4/5/2006
Di-isopropyl ether	ND	5.0		µg/L	1	4/5/2006
Dibromochloromethane	ND	5.0		µg/L	1	4/5/2006
Dibromomethane	ND	5.0		µg/L	1	4/5/2006
Dichlorodifluoromethane	ND	5.0		µg/L	1	4/5/2006
Ethyl tert-butyl ether	ND	5.0		µg/L	1	4/5/2006
Ethylbenzene	82	5.0		µg/L	1	4/5/2006
Hexachlorobutadiene	ND	5.0		µg/L	1	4/5/2006
Isopropylbenzene	48	5.0		µg/L	1	4/5/2006
m,p-Xylene	ND	10		µg/L	1	4/5/2006
Methylene chloride	ND	5.0		µg/L	1	4/5/2006
MTBE	1200	500		µg/L	100	4/6/2006
n-Butylbenzene	7.0	5.0		µg/L	1	4/5/2006
n-Propylbenzene	84	5.0		µg/L	1	4/5/2006
Naphthalene	58	5.0		µg/L	1	4/5/2006
o-Xylene	ND	5.0		µg/L	1	4/5/2006
sec-Butylbenzene	9.8	5.0		µg/L	1	4/5/2006
Styrene	ND	5.0		µg/L	1	4/5/2006
Tert-amyl methyl ether	ND	5.0		µg/L	1	4/5/2006
Tert-Butanol	ND	100		µg/L	1	4/5/2006
tert-Butylbenzene	ND	5.0		µg/L	1	4/5/2006
Tetrachloroethene	ND	5.0		µg/L	1	4/5/2006
Toluene	ND	5.0		µg/L	1	4/5/2006
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	4/5/2006
Trichloroethene	ND	5.0		µg/L	1	4/5/2006
Trichlorofluoromethane	ND	5.0		µg/L	1	4/5/2006
Vinyl chloride	ND	5.0		µg/L	1	4/5/2006
Surr: 1,2-Dichloroethane-d4	103	70-126		%REC	1	4/5/2006
Surr: 4-Bromofluorobenzene	107	63-134		%REC	1	4/5/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *10-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	MW-18
Lab Order:	083495	**Collection Date:**	3/30/2006 2:00:00 PM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083495-002	**Matrix:**	GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060405A	QC Batch:	Q06VW072		PrepDate:		Analyst: **HH**
Surr: Dibromofluoromethane	106	73-124		%REC	1	4/5/2006
Surr: Toluene-d8	113	84-123		%REC	1	4/5/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: *10-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083495
Project: I-5 EXPANSION, 105812001
Lab ID: 083495-003

Client Sample ID: MW-14
Collection Date: 3/30/2006 2:10:00 PM
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3510C				**EPA 8015B(M)**		
RunID: GC7_BACK_060405A	QC Batch: 27458			PrepDate: 4/5/2006		Analyst: **CBR**
DRO	3.1	0.20		mg/L	1	4/5/2006
Surr: p-Terphenyl	54.0	32-125		%REC	1	4/5/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC6_060404B	QC Batch: I06VW087			PrepDate:		Analyst: **EA**
GRO	42	1.0		mg/L	5	4/4/2006
Surr: Bromofluorobenzene (FID)	97.2	76-125		%REC	5	4/4/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060405A	QC Batch: Q06VW072			PrepDate:		Analyst: **HH**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	4/5/2006
1,1,1-Trichloroethane	ND	5.0		µg/L	1	4/5/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	4/5/2006
1,1,2-Trichloroethane	ND	5.0		µg/L	1	4/5/2006
1,1-Dichloroethane	ND	5.0		µg/L	1	4/5/2006
1,1-Dichloroethene	ND	5.0		µg/L	1	4/5/2006
1,1-Dichloropropene	ND	5.0		µg/L	1	4/5/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/L	1	4/5/2006
1,2,3-Trichloropropane	ND	5.0		µg/L	1	4/5/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	4/5/2006
1,2,4-Trimethylbenzene	290	50		µg/L	10	4/6/2006
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	4/5/2006
1,2-Dibromoethane	ND	5.0		µg/L	1	4/5/2006
1,2-Dichlorobenzene	ND	5.0		µg/L	1	4/5/2006
1,2-Dichloroethane	ND	5.0		µg/L	1	4/5/2006
1,2-Dichloropropane	ND	5.0		µg/L	1	4/5/2006
1,3,5-Trimethylbenzene	100	50		µg/L	10	4/6/2006
1,3-Dichlorobenzene	ND	5.0		µg/L	1	4/5/2006
1,3-Dichloropropane	ND	5.0		µg/L	1	4/5/2006
1,4-Dichlorobenzene	ND	5.0		µg/L	1	4/5/2006
2,2-Dichloropropane	ND	5.0		µg/L	1	4/5/2006
2-Chlorotoluene	ND	5.0		µg/L	1	4/5/2006
4-Chlorotoluene	ND	5.0		µg/L	1	4/5/2006
4-Isopropyltoluene	ND	5.0		µg/L	1	4/5/2006
Benzene	19000	5000		µg/L	1000	4/6/2006
Bromobenzene	ND	5.0		µg/L	1	4/5/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *10-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083495
Project: I-5 EXPANSION, 105812001
Lab ID: 083495-003

Client Sample ID: MW-14
Collection Date: 3/30/2006 2:10:00 PM
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060405A	QC Batch:	Q06VW072		PrepDate:		Analyst: **HH**
Bromodichloromethane	ND	5.0		µg/L	1	4/5/2006
Bromoform	ND	5.0		µg/L	1	4/5/2006
Bromomethane	ND	5.0		µg/L	1	4/5/2006
Carbon tetrachloride	ND	5.0		µg/L	1	4/5/2006
Chlorobenzene	ND	5.0		µg/L	1	4/5/2006
Chloroethane	ND	5.0		µg/L	1	4/5/2006
Chloroform	ND	5.0		µg/L	1	4/5/2006
Chloromethane	ND	5.0		µg/L	1	4/5/2006
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	4/5/2006
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	4/5/2006
Di-isopropyl ether	ND	5.0		µg/L	1	4/5/2006
Dibromochloromethane	ND	5.0		µg/L	1	4/5/2006
Dibromomethane	ND	5.0		µg/L	1	4/5/2006
Dichlorodifluoromethane	ND	5.0		µg/L	1	4/5/2006
Ethyl tert-butyl ether	ND	5.0		µg/L	1	4/5/2006
Ethylbenzene	1000	500		µg/L	100	4/6/2006
Hexachlorobutadiene	ND	5.0		µg/L	1	4/5/2006
Isopropylbenzene	74	5.0		µg/L	1	4/5/2006
m,p-Xylene	2000	100		µg/L	10	4/6/2006
Methylene chloride	ND	5.0		µg/L	1	4/5/2006
MTBE	2300	500		µg/L	100	4/6/2006
n-Butylbenzene	ND	5.0		µg/L	1	4/5/2006
n-Propylbenzene	140	50		µg/L	10	4/6/2006
Naphthalene	230	50		µg/L	10	4/6/2006
o-Xylene	58	50		µg/L	10	4/6/2006
sec-Butylbenzene	ND	5.0		µg/L	1	4/5/2006
Styrene	ND	5.0		µg/L	1	4/5/2006
Tert-amyl methyl ether	ND	5.0		µg/L	1	4/5/2006
Tert-Butanol	ND	100		µg/L	1	4/5/2006
tert-Butylbenzene	ND	5.0		µg/L	1	4/5/2006
Tetrachloroethene	ND	5.0		µg/L	1	4/5/2006
Toluene	140	50		µg/L	10	4/6/2006
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	4/5/2006
Trichloroethene	ND	5.0		µg/L	1	4/5/2006
Trichlorofluoromethane	ND	5.0		µg/L	1	4/5/2006
Vinyl chloride	ND	5.0		µg/L	1	4/5/2006
Surr: 1,2-Dichloroethane-d4	94.0	70-126		%REC	1	4/5/2006
Surr: 4-Bromofluorobenzene	97.9	63-134		%REC	1	4/5/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *10-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	MW-14
Lab Order:	083495	**Collection Date:**	3/30/2006 2:10:00 PM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083495-003	**Matrix:**	GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060405A	QC Batch:	Q06VW072		PrepDate:		Analyst: **HH**
Surr: Dibromofluoromethane	98.6	73-124		%REC	1	4/5/2006
Surr: Toluene-d8	107	84-123		%REC	1	4/5/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *10-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	MW-16
Lab Order:	083495	**Collection Date:**	3/30/2006 2:50:00 PM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083495-004	**Matrix:**	GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3510C				**EPA 8015B(M)**		
RunID: GC7_BACK_060405A	QC Batch: 27458			PrepDate: 4/5/2006		Analyst: **CBR**
DRO	ND	0.20		mg/L	1	4/5/2006
Surr: p-Terphenyl	70.7	32-125		%REC	1	4/5/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC6_060404A	QC Batch: I06VW086			PrepDate:		Analyst: **EA**
GRO	ND	0.20		mg/L	1	4/4/2006
Surr: Bromofluorobenzene (FID)	97.9	76-125		%REC	1	4/4/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060406A	QC Batch: Q06VW074			PrepDate:		Analyst: **HH**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	4/6/2006
1,1,1-Trichloroethane	ND	5.0		µg/L	1	4/6/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	4/6/2006
1,1,2-Trichloroethane	ND	5.0		µg/L	1	4/6/2006
1,1-Dichloroethane	ND	5.0		µg/L	1	4/6/2006
1,1-Dichloroethene	ND	5.0		µg/L	1	4/6/2006
1,1-Dichloropropene	ND	5.0		µg/L	1	4/6/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/L	1	4/6/2006
1,2,3-Trichloropropane	ND	5.0		µg/L	1	4/6/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	4/6/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/L	1	4/6/2006
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	4/6/2006
1,2-Dibromoethane	ND	5.0		µg/L	1	4/6/2006
1,2-Dichlorobenzene	ND	5.0		µg/L	1	4/6/2006
1,2-Dichloroethane	ND	5.0		µg/L	1	4/6/2006
1,2-Dichloropropane	ND	5.0		µg/L	1	4/6/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	4/6/2006
1,3-Dichlorobenzene	ND	5.0		µg/L	1	4/6/2006
1,3-Dichloropropane	ND	5.0		µg/L	1	4/6/2006
1,4-Dichlorobenzene	ND	5.0		µg/L	1	4/6/2006
2,2-Dichloropropane	ND	5.0		µg/L	1	4/6/2006
2-Chlorotoluene	ND	5.0		µg/L	1	4/6/2006
4-Chlorotoluene	ND	5.0		µg/L	1	4/6/2006
4-Isopropyltoluene	ND	5.0		µg/L	1	4/6/2006
Benzene	ND	5.0		µg/L	1	4/6/2006
Bromobenzene	ND	5.0		µg/L	1	4/6/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *10-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083495
Project: I-5 EXPANSION, 105812001
Lab ID: 083495-004

Client Sample ID: MW-16
Collection Date: 3/30/2006 2:50:00 PM
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060406A	QC Batch:	Q06VW074		PrepDate:		Analyst: **HH**
Bromodichloromethane	ND	5.0		µg/L	1	4/6/2006
Bromoform	ND	5.0		µg/L	1	4/6/2006
Bromomethane	ND	5.0		µg/L	1	4/6/2006
Carbon tetrachloride	ND	5.0		µg/L	1	4/6/2006
Chlorobenzene	ND	5.0		µg/L	1	4/6/2006
Chloroethane	ND	5.0		µg/L	1	4/6/2006
Chloroform	ND	5.0		µg/L	1	4/6/2006
Chloromethane	ND	5.0		µg/L	1	4/6/2006
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	4/6/2006
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	4/6/2006
Di-isopropyl ether	ND	5.0		µg/L	1	4/6/2006
Dibromochloromethane	ND	5.0		µg/L	1	4/6/2006
Dibromomethane	ND	5.0		µg/L	1	4/6/2006
Dichlorodifluoromethane	ND	5.0		µg/L	1	4/6/2006
Ethyl tert-butyl ether	ND	5.0		µg/L	1	4/6/2006
Ethylbenzene	ND	5.0		µg/L	1	4/6/2006
Hexachlorobutadiene	ND	5.0		µg/L	1	4/6/2006
Isopropylbenzene	ND	5.0		µg/L	1	4/6/2006
m,p-Xylene	ND	10		µg/L	1	4/6/2006
Methylene chloride	ND	5.0		µg/L	1	4/6/2006
MTBE	ND	5.0		µg/L	1	4/6/2006
n-Butylbenzene	ND	5.0		µg/L	1	4/6/2006
n-Propylbenzene	ND	5.0		µg/L	1	4/6/2006
Naphthalene	ND	5.0		µg/L	1	4/6/2006
o-Xylene	ND	5.0		µg/L	1	4/6/2006
sec-Butylbenzene	ND	5.0		µg/L	1	4/6/2006
Styrene	ND	5.0		µg/L	1	4/6/2006
Tert-amyl methyl ether	ND	5.0		µg/L	1	4/6/2006
Tert-Butanol	ND	100		µg/L	1	4/6/2006
tert-Butylbenzene	ND	5.0		µg/L	1	4/6/2006
Tetrachloroethene	ND	5.0		µg/L	1	4/6/2006
Toluene	ND	5.0		µg/L	1	4/6/2006
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	4/6/2006
Trichloroethene	ND	5.0		µg/L	1	4/6/2006
Trichlorofluoromethane	ND	5.0		µg/L	1	4/6/2006
Vinyl chloride	ND	5.0		µg/L	1	4/6/2006
Surr: 1,2-Dichloroethane-d4	101	70-126		%REC	1	4/6/2006
Surr: 4-Bromofluorobenzene	88.8	63-134		%REC	1	4/6/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *10-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	MW-16
Lab Order:	083495	**Collection Date:**	3/30/2006 2:50:00 PM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083495-004	**Matrix:**	GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060406A	QC Batch:	Q06VW074		PrepDate:		Analyst: **HH**
Surr: Dibromofluoromethane	101	73-124		%REC	1	4/6/2006
Surr: Toluene-d8	96.3	84-123		%REC	1	4/6/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *10-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083495
Project: I-5 EXPANSION, 105812001
Lab ID: 083495-005

Client Sample ID: MW-17
Collection Date: 3/30/2006 3:00:00 PM
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3510C				**EPA 8015B(M)**		
RunID: GC7_BACK_060405A	QC Batch: 27458			PrepDate: 4/5/2006		Analyst: **CBR**
DRO	ND	0.20		mg/L	1	4/5/2006
Surr: p-Terphenyl	71.5	32-125		%REC	1	4/5/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC6_060404A	QC Batch: I06VW086			PrepDate:		Analyst: **EA**
GRO	ND	0.20		mg/L	1	4/4/2006
Surr: Bromofluorobenzene (FID)	98.1	76-125		%REC	1	4/4/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060405A	QC Batch: Q06VW072			PrepDate:		Analyst: **HH**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	4/5/2006
1,1,1-Trichloroethane	ND	5.0		µg/L	1	4/5/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	4/5/2006
1,1,2-Trichloroethane	ND	5.0		µg/L	1	4/5/2006
1,1-Dichloroethane	ND	5.0		µg/L	1	4/5/2006
1,1-Dichloroethene	ND	5.0		µg/L	1	4/5/2006
1,1-Dichloropropene	ND	5.0		µg/L	1	4/5/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/L	1	4/5/2006
1,2,3-Trichloropropane	ND	5.0		µg/L	1	4/5/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	4/5/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/L	1	4/5/2006
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	4/5/2006
1,2-Dibromoethane	ND	5.0		µg/L	1	4/5/2006
1,2-Dichlorobenzene	ND	5.0		µg/L	1	4/5/2006
1,2-Dichloroethane	ND	5.0		µg/L	1	4/5/2006
1,2-Dichloropropane	ND	5.0		µg/L	1	4/5/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	4/5/2006
1,3-Dichlorobenzene	ND	5.0		µg/L	1	4/5/2006
1,3-Dichloropropane	ND	5.0		µg/L	1	4/5/2006
1,4-Dichlorobenzene	ND	5.0		µg/L	1	4/5/2006
2,2-Dichloropropane	ND	5.0		µg/L	1	4/5/2006
2-Chlorotoluene	ND	5.0		µg/L	1	4/5/2006
4-Chlorotoluene	ND	5.0		µg/L	1	4/5/2006
4-Isopropyltoluene	ND	5.0		µg/L	1	4/5/2006
Benzene	ND	5.0		µg/L	1	4/5/2006
Bromobenzene	ND	5.0		µg/L	1	4/5/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *10-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083495
Project: I-5 EXPANSION, 105812001
Lab ID: 083495-005

Client Sample ID: MW-17
Collection Date: 3/30/2006 3:00:00 PM
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060405A	QC Batch:	Q06VW072		PrepDate:		Analyst: **HH**
Bromodichloromethane	ND	5.0		µg/L	1	4/5/2006
Bromoform	ND	5.0		µg/L	1	4/5/2006
Bromomethane	ND	5.0		µg/L	1	4/5/2006
Carbon tetrachloride	ND	5.0		µg/L	1	4/5/2006
Chlorobenzene	ND	5.0		µg/L	1	4/5/2006
Chloroethane	ND	5.0		µg/L	1	4/5/2006
Chloroform	ND	5.0		µg/L	1	4/5/2006
Chloromethane	ND	5.0		µg/L	1	4/5/2006
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	4/5/2006
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	4/5/2006
Di-isopropyl ether	ND	5.0		µg/L	1	4/5/2006
Dibromochloromethane	ND	5.0		µg/L	1	4/5/2006
Dibromomethane	ND	5.0		µg/L	1	4/5/2006
Dichlorodifluoromethane	ND	5.0		µg/L	1	4/5/2006
Ethyl tert-butyl ether	ND	5.0		µg/L	1	4/5/2006
Ethylbenzene	ND	5.0		µg/L	1	4/5/2006
Hexachlorobutadiene	ND	5.0		µg/L	1	4/5/2006
Isopropylbenzene	ND	5.0		µg/L	1	4/5/2006
m,p-Xylene	ND	10		µg/L	1	4/5/2006
Methylene chloride	ND	5.0		µg/L	1	4/5/2006
MTBE	ND	5.0		µg/L	1	4/5/2006
n-Butylbenzene	ND	5.0		µg/L	1	4/5/2006
n-Propylbenzene	ND	5.0		µg/L	1	4/5/2006
Naphthalene	ND	5.0		µg/L	1	4/5/2006
o-Xylene	ND	5.0		µg/L	1	4/5/2006
sec-Butylbenzene	ND	5.0		µg/L	1	4/5/2006
Styrene	ND	5.0		µg/L	1	4/5/2006
Tert-amyl methyl ether	ND	5.0		µg/L	1	4/5/2006
Tert-Butanol	ND	100		µg/L	1	4/5/2006
tert-Butylbenzene	ND	5.0		µg/L	1	4/5/2006
Tetrachloroethene	ND	5.0		µg/L	1	4/5/2006
Toluene	ND	5.0		µg/L	1	4/5/2006
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	4/5/2006
Trichloroethene	ND	5.0		µg/L	1	4/5/2006
Trichlorofluoromethane	ND	5.0		µg/L	1	4/5/2006
Vinyl chloride	ND	5.0		µg/L	1	4/5/2006
Surr: 1,2-Dichloroethane-d4	94.6	70-126		%REC	1	4/5/2006
Surr: 4-Bromofluorobenzene	98.4	63-134		%REC	1	4/5/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *10-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	MW-17
Lab Order:	083495	**Collection Date:**	3/30/2006 3:00:00 PM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083495-005	**Matrix:**	GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060405A	QC Batch:	Q06VW072		PrepDate:		Analyst: **HH**
Surr: Dibromofluoromethane	102	73-124		%REC	1	4/5/2006
Surr: Toluene-d8	103	84-123		%REC	1	4/5/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: *10-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083495
Project: I-5 EXPANSION, 105812001
Lab ID: 083495-006

Client Sample ID: Equip-01
Collection Date: 3/30/2006 4:00:00 PM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3510C				**EPA 8015B(M)**		
RunID: GC7_BACK_060405A	QC Batch: 27458			PrepDate:	4/5/2006	Analyst: **CBR**
DRO	ND	0.20		mg/L	1	4/5/2006
Surr: p-Terphenyl	37.7	32-125		%REC	1	4/5/2006
GASOLINE RANGE ORGANICS BY GC/FID						
				EPA 8015B(M)		
RunID: GC6_060404A	QC Batch: I06VW086			PrepDate:		Analyst: **EA**
GRO	ND	0.20		mg/L	1	4/4/2006
Surr: Bromofluorobenzene (FID)	96.4	76-125		%REC	1	4/4/2006
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060405A	QC Batch: Q06VW072			PrepDate:		Analyst: **HH**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	1	4/5/2006
1,1,1-Trichloroethane	ND	5.0		µg/L	1	4/5/2006
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	4/5/2006
1,1,2-Trichloroethane	ND	5.0		µg/L	1	4/5/2006
1,1-Dichloroethane	ND	5.0		µg/L	1	4/5/2006
1,1-Dichloroethene	ND	5.0		µg/L	1	4/5/2006
1,1-Dichloropropene	ND	5.0		µg/L	1	4/5/2006
1,2,3-Trichlorobenzene	ND	5.0		µg/L	1	4/5/2006
1,2,3-Trichloropropane	ND	5.0		µg/L	1	4/5/2006
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	4/5/2006
1,2,4-Trimethylbenzene	ND	5.0		µg/L	1	4/5/2006
1,2-Dibromo-3-chloropropane	ND	5.0		µg/L	1	4/5/2006
1,2-Dibromoethane	ND	5.0		µg/L	1	4/5/2006
1,2-Dichlorobenzene	ND	5.0		µg/L	1	4/5/2006
1,2-Dichloroethane	ND	5.0		µg/L	1	4/5/2006
1,2-Dichloropropane	ND	5.0		µg/L	1	4/5/2006
1,3,5-Trimethylbenzene	ND	5.0		µg/L	1	4/5/2006
1,3-Dichlorobenzene	ND	5.0		µg/L	1	4/5/2006
1,3-Dichloropropane	ND	5.0		µg/L	1	4/5/2006
1,4-Dichlorobenzene	ND	5.0		µg/L	1	4/5/2006
2,2-Dichloropropane	ND	5.0		µg/L	1	4/5/2006
2-Chlorotoluene	ND	5.0		µg/L	1	4/5/2006
4-Chlorotoluene	ND	5.0		µg/L	1	4/5/2006
4-Isopropyltoluene	ND	5.0		µg/L	1	4/5/2006
Benzene	ND	5.0		µg/L	1	4/5/2006
Bromobenzene	ND	5.0		µg/L	1	4/5/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *10-Apr-06*

CLIENT: Ninyo & Moore
Lab Order: 083495
Project: I-5 EXPANSION, 105812001
Lab ID: 083495-006

Client Sample ID: Equip-01
Collection Date: 3/30/2006 4:00:00 PM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060405A	QC Batch:	Q06VW072		PrepDate:		Analyst: **HH**
Bromodichloromethane	ND	5.0		µg/L	1	4/5/2006
Bromoform	ND	5.0		µg/L	1	4/5/2006
Bromomethane	ND	5.0		µg/L	1	4/5/2006
Carbon tetrachloride	ND	5.0		µg/L	1	4/5/2006
Chlorobenzene	ND	5.0		µg/L	1	4/5/2006
Chloroethane	ND	5.0		µg/L	1	4/5/2006
Chloroform	ND	5.0		µg/L	1	4/5/2006
Chloromethane	ND	5.0		µg/L	1	4/5/2006
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	4/5/2006
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	4/5/2006
Di-isopropyl ether	ND	5.0		µg/L	1	4/5/2006
Dibromochloromethane	ND	5.0		µg/L	1	4/5/2006
Dibromomethane	ND	5.0		µg/L	1	4/5/2006
Dichlorodifluoromethane	ND	5.0		µg/L	1	4/5/2006
Ethyl tert-butyl ether	ND	5.0		µg/L	1	4/5/2006
Ethylbenzene	ND	5.0		µg/L	1	4/5/2006
Hexachlorobutadiene	ND	5.0		µg/L	1	4/5/2006
Isopropylbenzene	ND	5.0		µg/L	1	4/5/2006
m,p-Xylene	ND	10		µg/L	1	4/5/2006
Methylene chloride	ND	5.0		µg/L	1	4/5/2006
MTBE	ND	5.0		µg/L	1	4/5/2006
n-Butylbenzene	ND	5.0		µg/L	1	4/5/2006
n-Propylbenzene	ND	5.0		µg/L	1	4/5/2006
Naphthalene	ND	5.0		µg/L	1	4/5/2006
o-Xylene	ND	5.0		µg/L	1	4/5/2006
sec-Butylbenzene	ND	5.0		µg/L	1	4/5/2006
Styrene	ND	5.0		µg/L	1	4/5/2006
Tert-amyl methyl ether	ND	5.0		µg/L	1	4/5/2006
Tert-Butanol	ND	100		µg/L	1	4/5/2006
tert-Butylbenzene	ND	5.0		µg/L	1	4/5/2006
Tetrachloroethene	ND	5.0		µg/L	1	4/5/2006
Toluene	ND	5.0		µg/L	1	4/5/2006
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	4/5/2006
Trichloroethene	ND	5.0		µg/L	1	4/5/2006
Trichlorofluoromethane	ND	5.0		µg/L	1	4/5/2006
Vinyl chloride	ND	5.0		µg/L	1	4/5/2006
Surr: 1,2-Dichloroethane-d4	95.5	70-126		%REC	1	4/5/2006
Surr: 4-Bromofluorobenzene	98.5	63-134		%REC	1	4/5/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *10-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	Equip-01
Lab Order:	083495	**Collection Date:**	3/30/2006 4:00:00 PM
Project:	I-5 EXPANSION, 105812001		
Lab ID:	083495-006	**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
				EPA 8260B		
RunID: MS2_060405A	QC Batch:	Q06VW072		PrepDate:		Analyst: **HH**
Surr: Dibromofluoromethane	101	73-124		%REC	1	4/5/2006
Surr: Toluene-d8	106	84-123		%REC	1	4/5/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 083495
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_DSL H

Sample ID: **MB-27458** SampType: **MBLK** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/5/2006** RunNo: **61673**
Client ID: **PBW** Batch ID: **27458** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/5/2006** SeqNo: **913985**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	0.20									
Surr: p-Terphenyl	0.031		0.08000		38.2	32	125				

Sample ID: **LCS-27458** SampType: **LCS** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/5/2006** RunNo: **61673**
Client ID: **LCSW** Batch ID: **27458** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/5/2006** SeqNo: **913986**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.90	0.20	1.000	0	90.3	60	130				
Surr: p-Terphenyl	0.037		0.08000		45.8	32	125				

Sample ID: **MB-27458MS** SampType: **MS** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/5/2006** RunNo: **61673**
Client ID: **ZZZZZZ** Batch ID: **27458** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/5/2006** SeqNo: **913987**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.97	0.20	1.000	0	97.5	60	130				
Surr: p-Terphenyl	0.037		0.08000		45.9	32	125				

Sample ID: **MB-27458MSD** SampType: **MSD** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/5/2006** RunNo: **61673**
Client ID: **ZZZZZZ** Batch ID: **27458** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/5/2006** SeqNo: **913988**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.96	0.20	1.000	0	95.6	60	130	0.9746	1.97	40	
Surr: p-Terphenyl	0.039		0.08000		48.1	32	125		0	0	

Sample ID: **MB-27458** SampType: **MBLK** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/5/2006** RunNo: **61673**
Client ID: **PBW** Batch ID: **27458** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/5/2006** SeqNo: **913990**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	0.20									

Qualifiers:
E Value above quantitation range
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ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_DSL H

Sample ID: **MB-27458** SampType: **MBLK** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/5/2006** RunNo: **61673**
Client ID: **PBW** Batch ID: **27458** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/5/2006** SeqNo: **913990**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: p-Terphenyl	0.027		0.08000		33.7	32	125				

Sample ID: **LCS-27458** SampType: **LCS** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/5/2006** RunNo: **61673**
Client ID: **LCSW** Batch ID: **27458** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/5/2006** SeqNo: **913991**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.92	0.20	1.000	0	91.6	60	130				
Surr: p-Terphenyl	0.038		0.08000		47.6	32	125				

Sample ID: **083420-003BDUP** SampType: **DUP** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/5/2006** RunNo: **61673**
Client ID: **ZZZZZZ** Batch ID: **27458** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/6/2006** SeqNo: **914000**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.63	0.22						0.5314	17.3	30	
Surr: p-Terphenyl	0.057		0.08889		64.5	32	125		0	0	

Sample ID: **MB-27458** SampType: **MBLK** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/5/2006** RunNo: **61673**
Client ID: **PBW** Batch ID: **27458** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/6/2006** SeqNo: **914077**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	0.20									
Surr: p-Terphenyl	0.027		0.08000		33.2	32	125				

Sample ID: **LCS-27458** SampType: **LCS** TestCode: **8015_W_DSL** Units: **mg/L** Prep Date: **4/5/2006** RunNo: **61673**
Client ID: **LCSW** Batch ID: **27458** TestNo: **EPA 8015B(M EPA 3510C** Analysis Date: **4/6/2006** SeqNo: **914078**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	0.98	0.20	1.000	0	97.9	60	130				
Surr: p-Terphenyl	0.035		0.08000		43.7	32	125				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
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H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_G PRES

Sample ID: **I040406MB2MS** SampType: **MS** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **61536**
Client ID: **ZZZZZZ** Batch ID: **I06VW086** TestNo: **EPA 8015B(M** Analysis Date: **4/4/2006** SeqNo: **911537**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.96	0.20	1.000	0	96.0	71	122				
Surr: Bromofluorobenzene (FID)	110		100.0		113	76	125				

Sample ID: **I040406MB2MSD** SampType: **MSD** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **61536**
Client ID: **ZZZZZZ** Batch ID: **I06VW086** TestNo: **EPA 8015B(M** Analysis Date: **4/4/2006** SeqNo: **911538**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.95	0.20	1.000	0	94.9	71	122	0.9600	1.15	30	
Surr: Bromofluorobenzene (FID)	110		100.0		109	76	125		0	0	

Sample ID: **I040406MB2** SampType: **MBLK** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **61536**
Client ID: **PBW** Batch ID: **I06VW086** TestNo: **EPA 8015B(M** Analysis Date: **4/4/2006** SeqNo: **911539**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.20									
Surr: Bromofluorobenzene (FID)	100		100.0		101	76	125				

Sample ID: **083497-002B** SampType: **DUP** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **61536**
Client ID: **ZZZZZZ** Batch ID: **I06VW086** TestNo: **EPA 8015B(M** Analysis Date: **4/4/2006** SeqNo: **911604**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	28	0.20						28.09	1.30	30	
Surr: Bromofluorobenzene (FID)	100		100.0		102	76	125		0	0	

Sample ID: **I040406LCS2** SampType: **LCS** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **61536**
Client ID: **LCSW** Batch ID: **I06VW086** TestNo: **EPA 8015B(M** Analysis Date: **4/4/2006** SeqNo: **912357**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.86	0.20	1.000	0	86.4	71	122				
Surr: Bromofluorobenzene (FID)	100		100.0		103	76	125				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
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ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_G PRES

Sample ID: **I040406LCS3** SampType: **LCS** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **61633**
Client ID: **LCSW** Batch ID: **I06VW087** TestNo: **EPA 8015B(M** Analysis Date: **4/5/2006** SeqNo: **912358**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.83	0.20	1.000	0	83.0	71	122				
Surr: Bromofluorobenzene (FID)	100		100.0		103	76	125				

Sample ID: **I040406MB4MS** SampType: **MS** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **61633**
Client ID: **ZZZZZZ** Batch ID: **I06VW087** TestNo: **EPA 8015B(M** Analysis Date: **4/4/2006** SeqNo: **912360**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.88	0.20	1.000	0	87.9	71	122				
Surr: Bromofluorobenzene (FID)	110		100.0		105	76	125				

Sample ID: **I040406MB4MSD** SampType: **MSD** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **61633**
Client ID: **ZZZZZZ** Batch ID: **I06VW087** TestNo: **EPA 8015B(M** Analysis Date: **4/4/2006** SeqNo: **912361**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.93	0.20	1.000	0	92.6	71	122	0.8790	5.21	30	
Surr: Bromofluorobenzene (FID)	110		100.0		107	76	125		0	0	

Sample ID: **I040406MB4** SampType: **MBLK** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **61633**
Client ID: **PBW** Batch ID: **I06VW087** TestNo: **EPA 8015B(M** Analysis Date: **4/4/2006** SeqNo: **912362**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.20									
Surr: Bromofluorobenzene (FID)	100		100.0		101	76	125				

Sample ID: **083495-003B** SampType: **DUP** TestCode: **8015_W_G P** Units: **mg/L** Prep Date: RunNo: **61633**
Client ID: **MW-14** Batch ID: **I06VW087** TestNo: **EPA 8015B(M** Analysis Date: **4/4/2006** SeqNo: **912367**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	41	1.0						41.81	2.63	30	
Surr: Bromofluorobenzene (FID)	490		500.0		97.1	76	125		0	0	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
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S Spike/Surrogate outside of limits due to matrix interferenc
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DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **A040606LC1** SampType: **LCS** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61750**
Client ID: **LCSW** Batch ID: **A06VW087** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **914039**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	23	5.0	20.00	0	117	76	132				
Benzene	22	5.0	20.00	0	110	90	123				
Chlorobenzene	23	5.0	20.00	0	113	76	118				
MTBE	23	5.0	20.00	0	114	78	134				
Toluene	21	5.0	20.00	0	106	91	124				
Trichloroethene	22	5.0	20.00	0	112	87	125				
Surr: 1,2-Dichloroethane-d4	23		25.00		92.4	70	126				
Surr: 4-Bromofluorobenzene	24		25.00		97.8	63	134				
Surr: Dibromofluoromethane	23		25.00		91.3	73	124				
Surr: Toluene-d8	23		25.00		93.3	84	123				

Sample ID: **A040606MB4MS** SampType: **MS** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61750**
Client ID: **ZZZZZZ** Batch ID: **A06VW087** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **914040**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	23	5.0	20.00	0	114	76	132				
Benzene	22	5.0	20.00	0	108	90	123				
Chlorobenzene	22	5.0	20.00	0	111	76	118				
MTBE	23	5.0	20.00	0	115	78	134				
Toluene	21	5.0	20.00	0	104	91	124				
Trichloroethene	22	5.0	20.00	0	110	87	125				
Surr: 1,2-Dichloroethane-d4	23		25.00		90.8	70	126				
Surr: 4-Bromofluorobenzene	23		25.00		93.7	63	134				
Surr: Dibromofluoromethane	22		25.00		88.6	73	124				
Surr: Toluene-d8	23		25.00		91.5	84	123				

Sample ID: **A040606MB4MSD** SampType: **MSD** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61750**
Client ID: **ZZZZZZ** Batch ID: **A06VW087** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **914041**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	23	5.0	20.00	0	114	76	132	22.82	0.263	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **A040606MB4MSD** SampType: **MSD** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61750**
Client ID: **ZZZZZZ** Batch ID: **A06VW087** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **914041**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	22	5.0	20.00	0	108	90	123	21.56	0.555	30	
Chlorobenzene	23	5.0	20.00	0	116	76	118	22.15	4.93	30	
MTBE	24	5.0	20.00	0	118	78	134	23.08	2.19	30	
Toluene	21	5.0	20.00	0	105	91	124	20.84	0.335	30	
Trichloroethene	22	5.0	20.00	0	110	87	125	21.96	0.274	30	
Surr: 1,2-Dichloroethane-d4	23		25.00		90.8	70	126		0	30	
Surr: 4-Bromofluorobenzene	24		25.00		98.0	63	134		0	30	
Surr: Dibromofluoromethane	23		25.00		90.2	73	124		0	30	
Surr: Toluene-d8	23		25.00		90.3	84	123		0	30	

Sample ID: **A040606MB4** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61750**
Client ID: **PBW** Batch ID: **A06VW087** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **914042**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	5.0									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
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DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **A040606MB4** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61750**
Client ID: **PBW** Batch ID: **A06VW087** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **914042**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Di-isopropyl ether	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethyl tert-butyl ether	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
MTBE	ND	5.0									
n-Butylbenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **A040606MB4** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61750**
Client ID: **PBW** Batch ID: **A06VW087** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **914042**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
Tert-amyl methyl ether	ND	5.0									
Tert-Butanol	ND	100									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	22		25.00		89.0	70	126				
Surr: 4-Bromofluorobenzene	23		25.00		93.2	63	134				
Surr: Dibromofluoromethane	22		25.00		88.3	73	124				
Surr: Toluene-d8	23		25.00		90.8	84	123				

Sample ID: **083497-002ADUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61750**
Client ID: **ZZZZZZ** Batch ID: **A06VW087** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **914044**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	18000	5000						16590	5.57	30	

Sample ID: **083497-002ADUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61750**
Client ID: **ZZZZZZ** Batch ID: **A06VW087** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **914047**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
MTBE	1000	100						994.8	0.661	30	
Naphthalene	190	100						177.4	8.42	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **Q040506LC2** SampType: **LCS** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61690**
Client ID: **LCSW** Batch ID: **Q06VW072** TestNo: **EPA 8260B** Analysis Date: **4/5/2006** SeqNo: **913286**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	23	5.0	20.00	0	115	76	132				
Benzene	23	5.0	20.00	0	113	90	123				
Chlorobenzene	22	5.0	20.00	0	108	76	118				
MTBE	21	5.0	20.00	0	107	78	134				
Toluene	23	5.0	20.00	0	114	91	124				
Trichloroethene	23	5.0	20.00	0	114	87	125				
Surr: 1,2-Dichloroethane-d4	54		50.00		107	70	126				
Surr: 4-Bromofluorobenzene	51		50.00		102	63	134				
Surr: Dibromofluoromethane	53		50.00		105	73	124				
Surr: Toluene-d8	53		50.00		106	84	123				

Sample ID: **Q040506MB1MS** SampType: **MS** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61690**
Client ID: **ZZZZZZ** Batch ID: **Q06VW072** TestNo: **EPA 8260B** Analysis Date: **4/5/2006** SeqNo: **913287**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	23	5.0	20.00	0	116	76	132				
Benzene	22	5.0	20.00	0	112	90	123				
Chlorobenzene	21	5.0	20.00	0	107	76	118				
MTBE	20	5.0	20.00	0	102	78	134				
Toluene	23	5.0	20.00	0	113	91	124				
Trichloroethene	22	5.0	20.00	0	112	87	125				
Surr: 1,2-Dichloroethane-d4	53		50.00		106	70	126				
Surr: 4-Bromofluorobenzene	51		50.00		103	63	134				
Surr: Dibromofluoromethane	54		50.00		108	73	124				
Surr: Toluene-d8	55		50.00		110	84	123				

Sample ID: **Q040506MB1MSD** SampType: **MSD** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61690**
Client ID: **ZZZZZZ** Batch ID: **Q06VW072** TestNo: **EPA 8260B** Analysis Date: **4/5/2006** SeqNo: **913288**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	22	5.0	20.00	0	112	76	132	23.23	3.59	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **Q040506MB1MSD** SampType: **MSD** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61690**
Client ID: **ZZZZZZ** Batch ID: **Q06VW072** TestNo: **EPA 8260B** Analysis Date: **4/5/2006** SeqNo: **913288**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	23	5.0	20.00	0	113	90	123	22.49	0.621	30	
Chlorobenzene	22	5.0	20.00	0	109	76	118	21.49	1.11	30	
MTBE	20	5.0	20.00	0	102	78	134	20.47	0.0977	30	
Toluene	23	5.0	20.00	0	114	91	124	22.61	0.837	30	
Trichloroethene	23	5.0	20.00	0	113	87	125	22.40	0.889	30	
Surr: 1,2-Dichloroethane-d4	52		50.00		103	70	126		0	30	
Surr: 4-Bromofluorobenzene	51		50.00		101	63	134		0	30	
Surr: Dibromofluoromethane	51		50.00		102	73	124		0	30	
Surr: Toluene-d8	55		50.00		109	84	123		0	30	

Sample ID: **Q040506MB1** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61690**
Client ID: **PBW** Batch ID: **Q06VW072** TestNo: **EPA 8260B** Analysis Date: **4/5/2006** SeqNo: **913289**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	5.0									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **Q040506MB1** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61690**
Client ID: **PBW** Batch ID: **Q06VW072** TestNo: **EPA 8260B** Analysis Date: **4/5/2006** SeqNo: **913289**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Di-isopropyl ether	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethyl tert-butyl ether	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
MTBE	ND	5.0									
n-Butylbenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
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Work Order: 083495
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **Q040506MB1** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61690**
Client ID: **PBW** Batch ID: **Q06VW072** TestNo: **EPA 8260B** Analysis Date: **4/5/2006** SeqNo: **913289**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
Tert-amyl methyl ether	ND	5.0									
Tert-Butanol	ND	100									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	57		50.00		113	70	126				
Surr: 4-Bromofluorobenzene	48		50.00		95.8	63	134				
Surr: Dibromofluoromethane	56		50.00		112	73	124				
Surr: Toluene-d8	54		50.00		107	84	123				

Sample ID: **083495-002ADUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61690**
Client ID: **MW-18** Batch ID: **Q06VW072** TestNo: **EPA 8260B** Analysis Date: **4/5/2006** SeqNo: **913307**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0						0	0	30	
1,1,1-Trichloroethane	ND	5.0						0	0	30	
1,1,2,2-Tetrachloroethane	ND	5.0						0	0	30	
1,1,2-Trichloroethane	ND	5.0						0	0	30	
1,1-Dichloroethane	ND	5.0						0	0	30	
1,1-Dichloroethene	ND	5.0						0	0	30	
1,1-Dichloropropene	ND	5.0						0	0	30	
1,2,3-Trichlorobenzene	ND	5.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **083495-002ADUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61690**
Client ID: **MW-18** Batch ID: **Q06VW072** TestNo: **EPA 8260B** Analysis Date: **4/5/2006** SeqNo: **913307**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,3-Trichloropropane	ND	5.0						0	0	30	
1,2,4-Trichlorobenzene	ND	5.0						0	0	30	
1,2,4-Trimethylbenzene	41	5.0						40.21	2.02	30	
1,2-Dibromo-3-chloropropane	ND	5.0						0	0	30	
1,2-Dibromoethane	ND	5.0						0	0	30	
1,2-Dichlorobenzene	ND	5.0						0	0	30	
1,2-Dichloroethane	ND	5.0						0	0	30	
1,2-Dichloropropane	ND	5.0						0	0	30	
1,3,5-Trimethylbenzene	ND	5.0						0	0	30	
1,3-Dichlorobenzene	ND	5.0						0	0	30	
1,3-Dichloropropane	ND	5.0						0	0	30	
1,4-Dichlorobenzene	ND	5.0						0	0	30	
2,2-Dichloropropane	ND	5.0						0	0	30	
2-Butanone	ND	50						0	0	30	
2-Chloroethyl vinyl ether	ND	5.0						0	0	30	
2-Chlorotoluene	ND	5.0						0	0	30	
2-Hexanone	ND	50						0	0	30	
4-Chlorotoluene	ND	5.0						0	0	30	
4-Isopropyltoluene	ND	5.0						0	0	30	
4-Methyl-2-pentanone	ND	50						0	0	30	
Acetone	ND	50						30.37	0	30	
Acrolein	ND	50						0	0	30	
Acrylonitrile	ND	50						0	0	30	
Benzene	26	5.0						27.25	4.01	30	
Bromobenzene	ND	5.0						0	0	30	
Bromochloromethane	ND	5.0						0	0	30	
Bromodichloromethane	ND	5.0						0	0	30	
Bromoform	ND	5.0						0	0	30	
Bromomethane	ND	5.0						0	0	30	
Carbon disulfide	ND	5.0						0	0	30	
Carbon tetrachloride	ND	5.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **083495-002ADUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61690**
Client ID: **MW-18** Batch ID: **Q06VW072** TestNo: **EPA 8260B** Analysis Date: **4/5/2006** SeqNo: **913307**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	ND	5.0						0	0	30	
Chloroethane	ND	5.0						0	0	30	
Chloroform	ND	5.0						0	0	30	
Chloromethane	ND	5.0						0	0	30	
cis-1,2-Dichloroethene	ND	5.0						0	0	30	
cis-1,3-Dichloropropene	ND	5.0						0	0	30	
Cyclohexanone	ND	50						0	0	30	
Di-isopropyl ether	ND	5.0						0	0	30	
Dibromochloromethane	ND	5.0						0	0	30	
Dibromomethane	ND	5.0						0	0	30	
Dichlorodifluoromethane	ND	5.0						0	0	30	
Ethyl Acetate	ND	50						0	0	30	
Ethyl Ether	ND	50						0	0	30	
Ethyl tert-butyl ether	ND	5.0						0	0	30	
Ethylbenzene	80	5.0						82.08	2.11	30	
Freon-113	ND	5.0						0	0	30	
Hexachlorobutadiene	ND	5.0						0	0	30	
Iodomethane	ND	5.0						0	0	30	
Isopropylbenzene	49	5.0						48.49	1.43	30	
m,p-Xylene	ND	10						6.050	0	30	
Methylene chloride	ND	5.0						0	0	30	
n-Butylbenzene	7.1	5.0						6.980	1.42	30	
n-Propylbenzene	83	5.0						84.47	1.84	30	
Naphthalene	57	5.0						57.97	1.93	30	
o-Xylene	ND	5.0						0	0	30	
sec-Butylbenzene	10	5.0						9.830	1.71	30	
Styrene	ND	5.0						0	0	30	
Tert-amyl methyl ether	ND	5.0						4.150	0	30	
Tert-Butanol	ND	100						0	0	30	
tert-Butylbenzene	ND	5.0						0	0	30	
Tetrachloroethene	ND	5.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083495
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **083495-002ADUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61690**
Client ID: **MW-18** Batch ID: **Q06VW072** TestNo: **EPA 8260B** Analysis Date: **4/5/2006** SeqNo: **913307**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	ND	5.0						0	0	30	
trans-1,2-Dichloroethene	ND	5.0						0	0	30	
trans-1,3-Dichloropropene	ND	5.0						0	0	30	
Trichloroethene	ND	5.0						0	0	30	
Trichlorofluoromethane	ND	5.0						0	0	30	
Vinyl acetate	ND	50						0	0	30	
Vinyl chloride	ND	5.0						0	0	30	
Xylenes, Total	ND	15						0	0	30	
Surr: 1,2-Dichloroethane-d4	49		50.00		98.9	70	126		0	30	
Surr: 4-Bromofluorobenzene	52		50.00		105	63	134		0	30	
Surr: Dibromofluoromethane	51		50.00		101	73	124		0	30	
Surr: Toluene-d8	54		50.00		108	84	123		0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **Q040606LC1** SampType: **LCS** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61747**
Client ID: **LCSW** Batch ID: **Q06VW074** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **913957**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	22	5.0	20.00	0	108	76	132				
Benzene	22	5.0	20.00	0	108	90	123				
Chlorobenzene	20	5.0	20.00	0	102	76	118				
MTBE	20	5.0	20.00	0	101	78	134				
Toluene	21	5.0	20.00	0	105	91	124				
Trichloroethene	21	5.0	20.00	0	105	87	125				
Surr: 1,2-Dichloroethane-d4	50		50.00		100	70	126				
Surr: 4-Bromofluorobenzene	50		50.00		99.6	63	134				
Surr: Dibromofluoromethane	50		50.00		100	73	124				
Surr: Toluene-d8	52		50.00		104	84	123				

Sample ID: **Q040606MB1MS** SampType: **MS** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61747**
Client ID: **ZZZZZZ** Batch ID: **Q06VW074** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **913958**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	22	5.0	20.00	0	111	76	132				
Benzene	22	5.0	20.00	0	109	90	123				
Chlorobenzene	21	5.0	20.00	0	105	76	118				
MTBE	21	5.0	20.00	0	105	78	134				
Toluene	22	5.0	20.00	0	108	91	124				
Trichloroethene	21	5.0	20.00	0	104	87	125				
Surr: 1,2-Dichloroethane-d4	50		50.00		100	70	126				
Surr: 4-Bromofluorobenzene	49		50.00		98.9	63	134				
Surr: Dibromofluoromethane	50		50.00		99.9	73	124				
Surr: Toluene-d8	52		50.00		104	84	123				

Sample ID: **Q040606MB1MSD** SampType: **MSD** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61747**
Client ID: **ZZZZZZ** Batch ID: **Q06VW074** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **913959**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	21	5.0	20.00	0	107	76	132	22.23	3.90	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Work Order: 083495
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **Q040606MB1MSD** SampType: **MSD** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61747**
Client ID: **ZZZZZZ** Batch ID: **Q06VW074** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **913959**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	22	5.0	20.00	0	110	90	123	21.75	1.55	30	
Chlorobenzene	21	5.0	20.00	0	103	76	118	20.99	1.88	30	
MTBE	20	5.0	20.00	0	101	78	134	21.04	3.63	30	
Toluene	21	5.0	20.00	0	107	91	124	21.55	1.07	30	
Trichloroethene	22	5.0	20.00	0	108	87	125	20.88	3.85	30	
Surr: 1,2-Dichloroethane-d4	49		50.00		98.3	70	126		0	30	
Surr: 4-Bromofluorobenzene	51		50.00		102	63	134		0	30	
Surr: Dibromofluoromethane	50		50.00		101	73	124		0	30	
Surr: Toluene-d8	52		50.00		104	84	123		0	30	

Sample ID: **Q040606MB1** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61747**
Client ID: **PBW** Batch ID: **Q06VW074** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **913960**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	5.0									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 083495
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **Q040606MB1** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61747**
Client ID: **PBW** Batch ID: **Q06VW074** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **913960**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Di-isopropyl ether	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethyl tert-butyl ether	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
MTBE	ND	5.0									
n-Butylbenzene	ND	5.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 083495
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP

Sample ID: **Q040606MB1** SampType: **MBLK** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61747**
Client ID: **PBW** Batch ID: **Q06VW074** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **913960**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
Tert-amyl methyl ether	ND	5.0									
Tert-Butanol	ND	100									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	53		50.00		106	70	126				
Surr: 4-Bromofluorobenzene	47		50.00		94.8	63	134				
Surr: Dibromofluoromethane	53		50.00		107	73	124				
Surr: Toluene-d8	52		50.00		103	84	123				

Sample ID: **083495-002ADUP** SampType: **DUP** TestCode: **8260_WP** Units: **µg/L** Prep Date: RunNo: **61747**
Client ID: **MW-18** Batch ID: **Q06VW074** TestNo: **EPA 8260B** Analysis Date: **4/6/2006** SeqNo: **913963**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
MTBE	1200	500						1145	7.69	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CHAIN OF CUSTODY RECORD

Pg ___ of ___

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: ___

Logged By: ___ Date: 4/4/06

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other: ___

Sample Condition Upon Receipt:
1. CHILLED Y☑ N☐ 4. SEALED Y☐ N☑
2. HEADSPACE (VOA) Y☐ N☑ 5. # OF SPLS MATCH COC Y☑ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☑ N☐

Client: Nunyo & Moore
Attn: Scott Snyder
Address: 5710 Ruffin Road
City: SAN Diego State: CA Zip Code: 92123
TEL: (858) 576-1000
FAX: (858) 576-9600

Project Name: I-5 EXPANSION
Project #: 10581200
Sampler: (Printed Name) Matt Fuller (Signature)

Relinquished by: (Signature and Printed Name)	Date: 4-3-06	Time: 4:30p	Received by: (Signature and Printed Name)	Date: 4-3-06	Time: 4:30p
Relinquished by: (Signature and Printed Name)	Date: 4-3-06	Time: 7:00p	Received by: (Signature and Printed Name)	Date: 04/03/06	Time: 19:00
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Matt Fuller 3-30-06
Print Name Date
Signature

Send Report To:
Attn: Scott Snyder
Co: Nunyo & Moore
Address: 5710 Ruffin Rd
City: SD State: CA Zip: 92123

Bill To:
Attn: SAME as
Co: ___
Address: ___
City ___ State ___ Zip ___

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	8260B Fuel Oxygenates	TPH-g (8015)	TPH-d (8015)	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	0G34605-001	~~Matt~~ TRIP-01	3-30-06	1000		X													X		E	7		H	
	-002	MW-18		1400		X								X	X	X			X						
	-003	MW-14		1410		X								X	X	X			X						
	-004	MW-16		1450		X								X	X	X			X						
	-005	MW-17		1500		X								X	X	X			X						
	-006	Equip-01		1600		X								X	X	X		X			E	7		H	

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr; B= Emergency Next workday; C= Critical 2 Workdays; D= Urgent 3 Workdays; E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ___ OTHER ___

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

D-TEK Analytical Laboratories, Inc.
9020 Kenamar Drive, Suite 205
San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	3/22/06
Sampling Date:	3/7/06
Date Sample Received:	3/14/06
Date Extracted:	3/14/06
Date Analyzed:	March 19, 2006
Analyzed By:	EA
Method:	EPA 8141A
Sample Type:	Soil
Sample Log Number:	06-1771

The sample(s) were analyzed with EPA methodology or equivalent methods as specified on the attached "Analyses Results" report. The symbol for "less than" indicates a value below the reportable detection limit.

The results of these analyses and the quality control data are enclosed.

Ellen Atienza
Operations Manager

D-TEK Analytical Laboratories, Inc.
9020 Kenamar Drive, Suite 205
San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	3/22/06
Sampling Date:	3/7/06
Date Sample Received:	3/14/06
Date Extracted:	3/14/06
Date Analyzed:	March 19, 2006
Analyzed By:	EA
Sample Type:	Soil
Method:	EPA 8141A
Unit:	µg/kg

ANALYSES RESULTS

Analysis	**Detection Limit**	**Log Number:**	06-1771
		Sample ID:	082809-010B 15NB-BIR-HA10-0.3
Azinphos Methyl	5.0		<DL
Bolstar	5.0		<DL
Coumaphos	5.0		<DL
Demeton	5.0		<DL
Diazinon	5.0		<DL
Dichlorvos	5.0		<DL
Disulfoton	5.0		<DL
Dursban (Chlorpyrifos)	5.0		<DL
Ethoprop	5.0		<DL
Fensulfothion	10.0		<DL
Fenthion	5.0		<DL
Gardona (Stirophos)	5.0		<DL
Malathion	5.0		<DL
Merphos	5.0		<DL
Methyl Parathion	5.0		<DL
Mevinphos	5.0		<DL
Naled	5.0		<DL
Phorate	5.0		<DL
Ronnel	5.0		<DL
Tokuthion	5.0		<DL
Trichloronate	5.0		<DL

Ellen Atienza
Operations Manager

D-TEK Analytical Laboratories, Inc.
9020 Kenamar Drive, Suite 205
San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

QUALITY CONTROL DATA REPORT

Date:	**3/22/06**
Attn:	**Ms. Rachelle Arada**
Date Extracted:	**3/14/06**
Date Analyzed:	**March 19, 2006**
Analysis Method:	**EPA 8141A**
Log #:	**06-1771**

Method Blank

No target analytes were detected in the method blank.

Laboratory Control Sample

Compound	% Recovery	QC Limits	DUP % Recovery	%RPD	RPD Limits
Diazinon	68	40-130	87	25	30
Methyl Parathion	87	40-130	108	22	30
Dursban (Chlorpyrifos)	80	40-130	84	5	30
Gardona (Stirophos)	92	40-130	116	18	30

SURROGATE RECOVERIES
(Tributylphosphate)

Log #	Percent Recovery:
Method Blank	112
06-1771	90
LCS	83
LCS Dup	124

QC limits: 50 to 170%

Ellen Atienza
Operations Manager

QUALITY CONTROL TERMINOLOGY

- **LCS - LABORATORY CONTROL SAMPLE.** Reported as % recovery of an independent standard carried through all sample preparation procedures to verify method performance. Acceptable range is based on historical laboratory control data and EPA requirements. Any out-of-control QC data is clearly indicated.
- **Spike-** environmental sample is matrix spiked with method compounds and % recovery of concentration spiked into sample is calculated. Reported as % recovery. Acceptable range for "Normal Matrix Sample" is based on historical laboratory control data. Any out-of-control QC data is clearly indicated.
- **Surrogates-** Compounds representative of a group of compounds. Surrogates are spiked into environmental samples and % recovery of concentration spiked is calculated and reported. Acceptable range varies depending on sample matrix and analysis method. Any out-of-control QC data is clearly indicated.

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755-5225
TEL: *5629894045* FAX: *5629894040*

CHAIN-OF-CUSTODY RECORD

QC Level: CT

Subcontractor:
D-Tek
9020 Kenamar Drive, Suite 205
San Diego, CA 92121

TEL: (858) 566-4540
FAX: (858) 566-4542
Acct #:

13-Mar-06

Sample ID	Matrix	Date Collected	Bottle Type	Requested Tests: EPA 8141A	
082809-010B / I5NB-BIR-HA10-0.3	Soil	3/7/2006 1:01:00 PM	4OZG	1	06-1771

General Comments: Please use PO#: SC00436 Please fax results: 5 DAYS TAT. PLEASE NOTE HOLDING TIME!!!
Send report to Rachelle Arada.

	Date/Time		Date/Time
Relinquished by:	3/13/06 1310	Received by:	3-13-06 6:00
Relinquished by:	3-14-06 9:30	Received by:	3/14/06 0930

March 23, 2006

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 082809

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

RE: Caltrans I-5, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on March 10, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: *23-Mar-06*

CLIENT: Ninyo & Moore
Project: Caltrans I-5, 105812001
Lab Order: 082809
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
082809-001A	I5NB-BIR-HA01-2.0	Soil	3/7/2006	3/10/2006	3/23/2006
082809-002A	I5NB-BIR-HA02-3.0	Soil	3/7/2006	3/10/2006	3/23/2006
082809-003A	I5NB-BIR-HA03-2.0	Soil	3/7/2006	3/10/2006	3/23/2006
082809-004A	I5NB-BIR-HA04-1.0	Soil	3/7/2006	3/10/2006	3/23/2006
082809-005A	I5NB-BIR-HA05-1.0	Soil	3/7/2006	3/10/2006	3/23/2006
082809-006A	I5NB-BIR-HA06-2.0	Soil	3/7/2006	3/10/2006	3/23/2006
082809-007A	I5NB-BIR-HA07-0.6	Soil	3/7/2006	3/10/2006	3/23/2006
082809-008A	I5NB-BIR-HA08-0.3	Soil	3/7/2006	3/10/2006	3/23/2006
082809-009A	I5NB-BIR-HA09-1.0	Soil	3/7/2006	3/10/2006	3/23/2006
082809-010A	I5NB-BIR-HA10-0.3	Soil	3/7/2006	3/10/2006	3/23/2006
082809-010B	I5NB-BIR-HA10-0.3	Soil	3/7/2006	3/10/2006	3/23/2006
082809-010C	I5NB-BIR-HA10-0.3	Soil	3/7/2006	3/10/2006	3/23/2006
082809-011A	I5NB-BIR-HA11-1.4	Soil	3/7/2006	3/10/2006	3/23/2006
082809-012A	I5NB-BIR-HA12-0.6	Soil	3/7/2006	3/10/2006	3/23/2006
082809-013A	I5NB-BIR-HA13-0.3	Soil	3/7/2006	3/10/2006	3/23/2006
082809-014A	EQUIP-HA-030706	Water	3/7/2006	3/10/2006	3/23/2006
082809-014B	EQUIP-HA-030706	Water	3/7/2006	3/10/2006	3/23/2006
082809-014C	EQUIP-HA-030706	Water	3/7/2006	3/10/2006	3/23/2006
082809-014D	EQUIP-HA-030706	Water	3/7/2006	3/10/2006	3/23/2006

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CASE NARRATIVE

The sample for EPA 8141 analysis was subcontracted to D-tek Analytical Laboratories, Inc. with ELAP Cert. 2344.

The sample for EPA 8151 analysis was subcontracted to Sierra Analytical Laboratories, Inc. with ELAP Cert. 2320.

Analytical Comments for EPA 6010B

RPD for Sample Duplicate (DUP) is outside criteria for sample 082808-010ADUP; however, the Laboratory Control Sample (LCS) validated the analytical batch.

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Date: 3/23/2006

LEAD BY ICP
EPA 6010B

CLIENT:	Ninyo & Moore	**Lab Order:**	082809
Project:	Caltrans I-5, 105812001	**Date Received**	3/10/2006 6:15:00 PM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
082809-001A	I5NB-BIR-HA01-2.0	3.2	mg/Kg	27100	1.0	1	3/7/2006	3/17/2006
082809-002A	I5NB-BIR-HA02-3.0	4.6	mg/Kg	27101	1.0	1	3/7/2006	3/17/2006
082809-003A	I5NB-BIR-HA03-2.0	1.1	mg/Kg	27101	1.0	1	3/7/2006	3/17/2006
082809-004A	I5NB-BIR-HA04-1.0	9.4	mg/Kg	27101	1.0	1	3/7/2006	3/17/2006
082809-005A	I5NB-BIR-HA05-1.0	4.4	mg/Kg	27101	1.0	1	3/7/2006	3/17/2006
082809-006A	I5NB-BIR-HA06-2.0	2.2	mg/Kg	27101	1.0	1	3/7/2006	3/17/2006
082809-007A	I5NB-BIR-HA07-0.6	28	mg/Kg	27101	1.0	1	3/7/2006	3/17/2006
082809-008A	I5NB-BIR-HA08-0.3	4.9	mg/Kg	27101	1.0	1	3/7/2006	3/17/2006
082809-009A	I5NB-BIR-HA09-1.0	2.3	mg/Kg	27101	1.0	1	3/7/2006	3/17/2006
082809-010A	I5NB-BIR-HA10-0.3	2.9	mg/Kg	27101	1.0	1	3/7/2006	3/17/2006
082809-011A	I5NB-BIR-HA11-1.4	5.3	mg/Kg	27101	1.0	1	3/7/2006	3/17/2006
082809-012A	I5NB-BIR-HA12-0.6	3.3	mg/Kg	27101	1.0	1	3/7/2006	3/17/2006
082809-013A	I5NB-BIR-HA13-0.3	2.2	mg/Kg	27101	1.0	1	3/7/2006	3/17/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/23/2006

LEAD BY ICP
EPA 6010B

CLIENT:	Ninyo & Moore	**Lab Order:**	082809
Project:	Caltrans I-5, 105812001	**Date Received**	3/10/2006 6:15:00 PM
Project No:		**Matrix:**	Water
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
082809-014A	EQUIP-HA-030706	ND	mg/L	27115	0.25	1	3/7/2006	3/16/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *23-Mar-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5NB-BIR-HA10-0.3
Lab Order:	082809	**Tag Number:**	
Project:	Caltrans I-5, 105812001	**Collection Date:**	3/7/2006 1:01:00 PM
Lab ID:	082809-010A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3550B				**EPA 8081A**		
RunID: GC10_060314A	QC Batch: 27076			PrepDate:	3/13/2006	Analyst: **CPC**
4,4'-DDD	ND	2.0		µg/Kg	1	3/14/2006 4:56:00 PM
4,4'-DDE	ND	2.0		µg/Kg	1	3/14/2006 4:56:00 PM
4,4'-DDT	ND	2.0		µg/Kg	1	3/14/2006 4:56:00 PM
Aldrin	ND	1.0		µg/Kg	1	3/14/2006 4:56:00 PM
alpha-BHC	ND	1.0		µg/Kg	1	3/14/2006 4:56:00 PM
alpha-Chlordane	ND	1.0		µg/Kg	1	3/14/2006 4:56:00 PM
beta-BHC	ND	1.0		µg/Kg	1	3/14/2006 4:56:00 PM
Chlordane	ND	8.5		µg/Kg	1	3/14/2006 4:56:00 PM
delta-BHC	ND	1.0		µg/Kg	1	3/14/2006 4:56:00 PM
Dieldrin	ND	2.0		µg/Kg	1	3/14/2006 4:56:00 PM
Endosulfan I	ND	1.0		µg/Kg	1	3/14/2006 4:56:00 PM
Endosulfan II	ND	2.0		µg/Kg	1	3/14/2006 4:56:00 PM
Endosulfan sulfate	ND	2.0		µg/Kg	1	3/14/2006 4:56:00 PM
Endrin	ND	2.0		µg/Kg	1	3/14/2006 4:56:00 PM
Endrin aldehyde	ND	2.0		µg/Kg	1	3/14/2006 4:56:00 PM
Endrin ketone	ND	2.0		µg/Kg	1	3/14/2006 4:56:00 PM
gamma-BHC	ND	1.0		µg/Kg	1	3/14/2006 4:56:00 PM
gamma-Chlordane	ND	1.0		µg/Kg	1	3/14/2006 4:56:00 PM
Heptachlor	ND	1.0		µg/Kg	1	3/14/2006 4:56:00 PM
Heptachlor epoxide	ND	1.0		µg/Kg	1	3/14/2006 4:56:00 PM
Methoxychlor	ND	8.5		µg/Kg	1	3/14/2006 4:56:00 PM
Toxaphene	ND	85		µg/Kg	1	3/14/2006 4:56:00 PM
Surr: Decachlorobiphenyl	86.1	59-127		%REC	1	3/14/2006 4:56:00 PM
Surr: Tetrachloro-m-xylene	83.6	60-109		%REC	1	3/14/2006 4:56:00 PM

Qualifiers:

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out
- E Value above quantitation range
- ND Not Detected at the Reporting Limit

Results are wet unless otherwise specified

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Advanced Technology Laboratories

Date: *23-Mar-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	EQUIP-HA-030706
Lab Order:	082809	**Tag Number:**	
Project:	Caltrans I-5, 105812001	**Collection Date:**	3/7/2006 1:46:00 PM
Lab ID:	082809-014B	**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3510C				**EPA 8081A**		
RunID: GC10_060315A	QC Batch: 27096			PrepDate:	3/14/2006	Analyst: **CPC**
4,4'-DDD	ND	0.050		µg/L	1	3/15/2006 1:15:00 PM
4,4'-DDE	ND	0.050		µg/L	1	3/15/2006 1:15:00 PM
4,4'-DDT	ND	0.050		µg/L	1	3/15/2006 1:15:00 PM
Aldrin	ND	0.025		µg/L	1	3/15/2006 1:15:00 PM
alpha-BHC	ND	0.025		µg/L	1	3/15/2006 1:15:00 PM
alpha-Chlordane	ND	0.025		µg/L	1	3/15/2006 1:15:00 PM
beta-BHC	ND	0.025		µg/L	1	3/15/2006 1:15:00 PM
Chlordane	ND	0.25		µg/L	1	3/15/2006 1:15:00 PM
delta-BHC	ND	0.025		µg/L	1	3/15/2006 1:15:00 PM
Dieldrin	ND	0.050		µg/L	1	3/15/2006 1:15:00 PM
Endosulfan I	ND	0.025		µg/L	1	3/15/2006 1:15:00 PM
Endosulfan II	ND	0.050		µg/L	1	3/15/2006 1:15:00 PM
Endosulfan sulfate	ND	0.050		µg/L	1	3/15/2006 1:15:00 PM
Endrin	ND	0.050		µg/L	1	3/15/2006 1:15:00 PM
Endrin aldehyde	ND	0.050		µg/L	1	3/15/2006 1:15:00 PM
Endrin ketone	ND	0.050		µg/L	1	3/15/2006 1:15:00 PM
gamma-BHC	ND	0.025		µg/L	1	3/15/2006 1:15:00 PM
gamma-Chlordane	ND	0.025		µg/L	1	3/15/2006 1:15:00 PM
Heptachlor	ND	0.025		µg/L	1	3/15/2006 1:15:00 PM
Heptachlor epoxide	ND	0.025		µg/L	1	3/15/2006 1:15:00 PM
Methoxychlor	ND	0.25		µg/L	1	3/15/2006 1:15:00 PM
Toxaphene	ND	2.5		µg/L	1	3/15/2006 1:15:00 PM
Surr: Decachlorobiphenyl	72.4	25-123		%REC	1	3/15/2006 1:15:00 PM
Surr: Tetrachloro-m-xylene	88.5	43-119		%REC	1	3/15/2006 1:15:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *23-Mar-06*

CLIENT: Ninyo & Moore
Work Order: 082809
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **MB-27100A** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/14/2006** RunNo: **61035**
Client ID: **PBS** Batch ID: **27100** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/17/2006** SeqNo: **903712**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID: **LCS-27100** SampType: **LCS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/14/2006** RunNo: **61035**
Client ID: **LCSS** Batch ID: **27100** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/17/2006** SeqNo: **903713**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	270	1.0	250.0	0.3365	109	80	120				

Sample ID: **082808-010ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/14/2006** RunNo: **61035**
Client ID: **ZZZZZZ** Batch ID: **27100** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/17/2006** SeqNo: **903724**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.3	1.0						1.715	29.1	20	R

Sample ID: **082808-010AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/14/2006** RunNo: **61035**
Client ID: **ZZZZZZ** Batch ID: **27100** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/17/2006** SeqNo: **903725**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	220	1.0	250.0	1.715	88.2	31	122				

Sample ID: **MB-27100B** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/14/2006** RunNo: **61035**
Client ID: **PBS** Batch ID: **27100** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/17/2006** SeqNo: **903726**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 082809
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **082809-001ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/14/2006** RunNo: **61035**
Client ID: **I5NB-BIR-HA01-2.0** Batch ID: **27100** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/17/2006** SeqNo: **903737**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.0	1.0						3.160	6.54	20	

Sample ID: **082809-001AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/14/2006** RunNo: **61035**
Client ID: **I5NB-BIR-HA01-2.0** Batch ID: **27100** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/17/2006** SeqNo: **903738**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	240	1.0	250.0	3.160	96.5	31	122				

Sample ID: **082809-001AMSD** SampType: **MSD** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/14/2006** RunNo: **61035**
Client ID: **I5NB-BIR-HA01-2.0** Batch ID: **27100** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/17/2006** SeqNo: **903739**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	240	1.0	250.0	3.160	96.7	31	122	244.5	0.186	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 082809
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **MB-27101A** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/14/2006** RunNo: **61037**
Client ID: **PBS** Batch ID: **27101** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/17/2006** SeqNo: **903746**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID: **LCS-27101** SampType: **LCS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/14/2006** RunNo: **61037**
Client ID: **LCSS** Batch ID: **27101** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/17/2006** SeqNo: **903747**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	290	1.0	250.0	0	115	80	120				

Sample ID: **082809-011ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/14/2006** RunNo: **61037**
Client ID: **I5NB-BIR-HA11-1.4** Batch ID: **27101** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/17/2006** SeqNo: **903758**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.8	1.0						5.322	8.73	20	

Sample ID: **082809-011AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/14/2006** RunNo: **61037**
Client ID: **I5NB-BIR-HA11-1.4** Batch ID: **27101** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/17/2006** SeqNo: **903759**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	230	1.0	250.0	5.322	89.5	31	122				

Sample ID: **MB-27101B** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/14/2006** RunNo: **61037**
Client ID: **PBS** Batch ID: **27101** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/17/2006** SeqNo: **903760**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID: **082809-013ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/14/2006** RunNo: **61037**
Client ID: **I5NB-BIR-HA13-0.3** Batch ID: **27101** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/17/2006** SeqNo: **903763**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 082809
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **082809-013ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/14/2006** RunNo: **61037**
Client ID: **I5NB-BIR-HA13-0.3** Batch ID: **27101** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/17/2006** SeqNo: **903763**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.2	1.0						2.155	2.29	20	

Sample ID: **082809-013AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/14/2006** RunNo: **61037**
Client ID: **I5NB-BIR-HA13-0.3** Batch ID: **27101** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/17/2006** SeqNo: **903764**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	230	1.0	250.0	2.155	92.2	31	122				

Sample ID: **082809-013AMSD** SampType: **MSD** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/14/2006** RunNo: **61037**
Client ID: **I5NB-BIR-HA13-0.3** Batch ID: **27101** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/17/2006** SeqNo: **903765**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	230	1.0	250.0	2.155	92.2	31	122	232.6	0.0771	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 082809
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_WPB

Sample ID: **MB-27115** SampType: **MBLK** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/15/2006** RunNo: **60737**
Client ID: **PBW** Batch ID: **27115** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/16/2006** SeqNo: **898375**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-27115** SampType: **LCS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/15/2006** RunNo: **60737**
Client ID: **LCSW** Batch ID: **27115** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/16/2006** SeqNo: **898376**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.92	0.25	1.000	0	92.5	85	115				

Sample ID: **082809-014ADUP** SampType: **DUP** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/15/2006** RunNo: **60737**
Client ID: **EQUIP-HA-030706** Batch ID: **27115** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/16/2006** SeqNo: **898379**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25						0	0	20	

Sample ID: **082809-014AMS** SampType: **MS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/15/2006** RunNo: **60737**
Client ID: **EQUIP-HA-030706** Batch ID: **27115** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/16/2006** SeqNo: **898380**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.7	0.25	2.500	0	110	78	118				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 082809
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **MB-27076** SampType: **MBLK** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/13/2006** RunNo: **60524**
Client ID: **PBS** Batch ID: **27076** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/14/2006** SeqNo: **895305**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	ND	2.0									
4,4'-DDE	ND	2.0									
4,4'-DDT	ND	2.0									
Aldrin	ND	1.0									
alpha-BHC	ND	1.0									
alpha-Chlordane	ND	1.0									
beta-BHC	ND	1.0									
Chlordane	ND	8.5									
delta-BHC	ND	1.0									
Dieldrin	ND	2.0									
Endosulfan I	ND	1.0									
Endosulfan II	ND	2.0									
Endosulfan sulfate	ND	2.0									
Endrin	ND	2.0									
Endrin aldehyde	ND	2.0									
Endrin ketone	ND	2.0									
gamma-BHC	ND	1.0									
gamma-Chlordane	ND	1.0									
Heptachlor	ND	1.0									
Heptachlor epoxide	ND	1.0									
Methoxychlor	ND	8.5									
Toxaphene	ND	85									
Surr: Tetrachloro-m-xylene	17		16.65		100	60	109				
Surr: Decachlorobiphenyl	15		16.65		92.8	59	127				

Sample ID: **LCS-27076** SampType: **LCS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/13/2006** RunNo: **60524**
Client ID: **LCSS** Batch ID: **27076** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/14/2006** SeqNo: **895306**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	15	2.0	16.65	0	89.2	75	128				
Aldrin	17	1.0	16.65	0	102	80	124				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 082809
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **LCS-27076** SampType: **LCS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/13/2006** RunNo: **60524**
Client ID: **LCSS** Batch ID: **27076** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/14/2006** SeqNo: **895306**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dieldrin	16	2.0	16.65	0	97.5	82	121				
Endrin	19	2.0	16.65	0	114	79	141				
gamma-BHC	17	1.0	16.65	0	101	84	122				
Heptachlor	16	1.0	16.65	0	97.9	74	136				
Surr: Tetrachloro-m-xylene	16		16.65		94.2	60	109				
Surr: Decachlorobiphenyl	14		16.65		86.8	59	127				

Sample ID: **082795-006AMS** SampType: **MS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/13/2006** RunNo: **60524**
Client ID: **ZZZZZZ** Batch ID: **27076** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/14/2006** SeqNo: **895307**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	19	2.0	16.65	0	114	64	165				
Aldrin	20	1.0	16.65	0	122	68	135				
Dieldrin	20	2.0	16.65	0	121	48	165				
Endrin	24	2.0	16.65	0	147	60	186				
gamma-BHC	21	1.0	16.65	0	124	70	134				
Heptachlor	21	1.0	16.65	0	124	73	152				
Surr: Tetrachloro-m-xylene	15		16.65		93.0	60	109				
Surr: Decachlorobiphenyl	15		16.65		89.9	59	127				

Sample ID: **082795-006AMSD** SampType: **MSD** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/13/2006** RunNo: **60524**
Client ID: **ZZZZZZ** Batch ID: **27076** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/14/2006** SeqNo: **895308**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	19	2.0	16.65	0	117	64	165	18.90	2.65	30	
Aldrin	21	1.0	16.65	0	125	68	135	20.39	2.35	30	
Dieldrin	21	2.0	16.65	0	124	48	165	20.11	2.32	30	
Endrin	25	2.0	16.65	0	151	60	186	24.46	2.78	30	
gamma-BHC	21	1.0	16.65	0	127	70	134	20.61	2.89	30	
Heptachlor	21	1.0	16.65	0	127	73	152	20.63	2.72	30	
Surr: Tetrachloro-m-xylene	16		16.65		93.5	60	109		0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 082809
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **082795-006AMSD** SampType: **MSD** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/13/2006** RunNo: **60524**
Client ID: **ZZZZZZ** Batch ID: **27076** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/14/2006** SeqNo: **895308**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Decachlorobiphenyl	15		16.65		92.5	59	127		0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 082809
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_W

Sample ID: **MB-27096** SampType: **MBLK** TestCode: **8081_W** Units: **µg/L** Prep Date: **3/14/2006** RunNo: **60586**
Client ID: **PBW** Batch ID: **27096** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **3/15/2006** SeqNo: **896415**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	ND	0.050									
4,4'-DDE	ND	0.050									
4,4'-DDT	ND	0.050									
Aldrin	ND	0.025									
alpha-BHC	ND	0.025									
alpha-Chlordane	ND	0.025									
beta-BHC	ND	0.025									
Chlordane	ND	0.25									
delta-BHC	ND	0.025									
Dieldrin	ND	0.050									
Endosulfan I	ND	0.025									
Endosulfan II	ND	0.050									
Endosulfan sulfate	ND	0.050									
Endrin	ND	0.050									
Endrin aldehyde	ND	0.050									
Endrin ketone	ND	0.050									
gamma-BHC	ND	0.025									
gamma-Chlordane	ND	0.025									
Heptachlor	ND	0.025									
Heptachlor epoxide	ND	0.025									
Methoxychlor	ND	0.25									
Toxaphene	ND	2.5									
Surr: Tetrachloro-m-xylene	0.43		0.5000		85.7	43	119				
Surr: Decachlorobiphenyl	0.38		0.5000		75.7	25	123				

Sample ID: **LCS-27096** SampType: **LCS** TestCode: **8081_W** Units: **µg/L** Prep Date: **3/14/2006** RunNo: **60586**
Client ID: **LCSW** Batch ID: **27096** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **3/15/2006** SeqNo: **896416**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	0.48	0.050	0.5000	0	95.2	72	125				
Aldrin	0.54	0.025	0.5000	0	108	74	120				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 082809
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_W

Sample ID: **LCS-27096** SampType: **LCS** TestCode: **8081_W** Units: **µg/L** Prep Date: **3/14/2006** RunNo: **60586**
Client ID: **LCSW** Batch ID: **27096** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **3/15/2006** SeqNo: **896416**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dieldrin	0.52	0.050	0.5000	0	105	76	118				
Endrin	0.59	0.050	0.5000	0	119	83	124				
gamma-BHC	0.57	0.025	0.5000	0	115	79	120				
Heptachlor	0.56	0.025	0.5000	0	111	66	137				
Surr: Tetrachloro-m-xylene	0.43		0.5000		86.3	43	119				
Surr: Decachlorobiphenyl	0.38		0.5000		75.9	25	123				

Sample ID: **MB-27096MS** SampType: **MS** TestCode: **8081_W** Units: **µg/L** Prep Date: **3/14/2006** RunNo: **60586**
Client ID: **ZZZZZZ** Batch ID: **27096** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **3/15/2006** SeqNo: **896418**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	0.50	0.050	0.5000	0	100	72	125				
Aldrin	0.58	0.025	0.5000	0	115	74	120				
Dieldrin	0.56	0.050	0.5000	0	113	76	118				
Endrin	0.60	0.050	0.5000	0	120	83	124				
gamma-BHC	0.60	0.025	0.5000	0	120	79	120				
Heptachlor	0.60	0.025	0.5000	0	119	66	137				
Surr: Tetrachloro-m-xylene	0.44		0.5000		87.7	43	119				
Surr: Decachlorobiphenyl	0.38		0.5000		76.1	25	123				

Sample ID: **MB-27096MSD** SampType: **MSD** TestCode: **8081_W** Units: **µg/L** Prep Date: **3/14/2006** RunNo: **60586**
Client ID: **ZZZZZZ** Batch ID: **27096** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **3/15/2006** SeqNo: **896419**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	0.49	0.050	0.5000	0	98.0	72	125	0.5005	2.07	30	
Aldrin	0.57	0.025	0.5000	0	114	74	120	0.5750	1.15	30	
Dieldrin	0.56	0.050	0.5000	0	111	76	118	0.5634	1.48	30	
Endrin	0.61	0.050	0.5000	0	123	83	124	0.5980	2.77	30	
gamma-BHC	0.59	0.025	0.5000	0	118	79	120	0.5985	1.34	30	
Heptachlor	0.59	0.025	0.5000	0	117	66	137	0.5974	1.70	30	
Surr: Tetrachloro-m-xylene	0.42		0.5000		85.0	43	119		0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 082809
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_W

Sample ID: **MB-27096MSD** SampType: **MSD** TestCode: **8081_W** Units: **µg/L** Prep Date: **3/14/2006** RunNo: **60586**
Client ID: **ZZZZZZ** Batch ID: **27096** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **3/15/2006** SeqNo: **896419**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Decachlorobiphenyl	0.39		0.5000		78.2	25	123		0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: Dn Date: 03/10/06

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other:

Sample Condition Upon Receipt: 1. CHILLED Y☑ N☐ (5.9°C) 2. HEADSPACE (VOA) Y☐ N☐ 3. CONTAINER INTACT Y☑ N☐ 4. SEALED Y☐ N☑ 5. # OF SPLS MATCH COC Y☑ N☐ 6. PRESERVED Y☐ N☑

Client: Ninyo & Moore
Attn: Scott Snieder
Address: 5710 Ruffin Road
City SD State CA Zip Code 92115
TEL: (858) 576-1000
FAX: (858) 576-9600

Project Name: CAltrans I-5
Project #: 105812001
Sampler: (Printed Name) Matt Fulk (Signature) Matt Fulk

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Matt Fulk				3-10-06	0130
	3-10-06	6:15p		03/10/06	1815

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Matt Roe 3-7-06 (Date)
Print Name: Matt Roe
Signature: Matt Roe

Send Report To: Attn: Scott Snyder; Co: Ninyo & Moore; Address 5710 Ruffin Rd; City SD State CA Zip 92123

Bill To: Attn: Co: Address City State Zip

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested: 8081A (Pesticides) HERBS; 8082 (PCB); 8260B (Volatiles); 8270C (BNA); 6010B (Total Metal); 8015B (GRO) / 8020 (BTEX); 8015B (DRO); 8021 (BTEX); TITLE 22 / CAM 17 (6010 / 7000); LEAD (6010B); BAM (Asbestos); BILL (Pesticides); 8151 (Herbicides); PH 9045C

SPECIFY APPROPRIATE MATRIX: SOIL; WATER; GROUND WATER; WASTEWATER

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A	8082	8260B	8270C	6010B	8015B (GRO)	8015B (DRO)	8021	TITLE 22	LEAD	BAM	BILL	8151	PH	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
1	062809-001	ISNB-BIR-HA01-2.0	3/7/06	9:25									X						X				E	1	G J	C	
1	-002	ISNB-BIR-HA02-3.0	"	9:50									X						X								
1	-003	ISNB-BIR-HA03-2.0	"	10:00									X						X								
1	-004	ISNB-BIR-HA04-1.0	"	10:08									X						X								
1	-005	ISNB-BIR-HA05-1.0	"	10:20									X						X								
1	-006	ISNB-BIR-HA06-2.0	"	1036									X						X								
1	-007	ISNB-BIR-HA07-0.6	"	1050									X						X								
1	-008	ISNB-BIR-HA08-0.3	"	11:18									X						X								
1	-009	ISNB-BIR-HA09-1.0	"	11:34									X						X								
2	-010	ISNB-BIR-HA18-0.3	"	13:01	X								X		X	X			X					2			

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr; B= Emergency Next workday; C= Critical 2 Workdays; D= Urgent 3 Workdays; E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: Mr Date: 03/10/06

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other:

Sample Condition Upon Receipt:
1. CHILLED 5.5°C Y☑ N☐
2. HEADSPACE (VOA) Y☐ N☐
3. CONTAINER INTACT Y☑ N☐
4. SEALED Y☐ N☑
5. # OF SPLS MATCH COC Y☑ N☐
6. PRESERVED Y☑ N☑

Client: Ninyo & Moore
Attn: Scott Snyder
Address: 5710 Ruffin Rd
City State Zip Code
TEL: ( )
FAX: ( )

Project Name: CAltrans -I-5
Project #: 105812001
Sampler: MLF (Printed Name) MATT FULLER (Signature)

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Matt Fuller				3-10-06	10:30
Relinquished by: (Signature and Printed Name)	Date: 3-10-06	Time: 6:15p	Received by: (Signature and Printed Name)	Date: 03/10/06	Time: 1815
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: MATT ROE 3-7-06 (Print Name / Date)
Signature

Send Report To: Attn: Scott Snyder; Co: Ninyo & Moore; Address: 5710 Ruffin Rd; City: SD State: CA Zip: 92123

Bill To: Attn: Co: Address: City State Zip

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested: 8081A (Pesticides) HCB; 8082 (PCB); 8260B (Volatiles); 8270C (BNA); 6010B (Total Metal); 8015B (GRO) / 8020 (BTEX); 8015B (DRO); 8021 (BTEX); TITLE 22 / CAM 17 (6010 / 7000); LEAD (6010B); 8141 (Pesticides); 8151 (Herbicides); pH 9045C

SPECIFY APPROPRIATE MATRIX: SOIL; WATER; GROUND WATER; WASTEWATER

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A	8082	8260B	8270C	6010B	8015B (GRO)	8015B (DRO)	8021	TITLE 22	LEAD	8141	8151	pH	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Type	PRESERVATION	REMARKS
1	0528509-011	ISNB-BIR-HA11-1.4	3/7/06	13:15										X				X				E	1	J G	C	
1	-012	ISNB-BIR-HA12-0.6	3/7/06	13:27										X				X				↓	1	J G	C	
1	-013	ISNB-BIR-HA13-0.3	3/7/06	13:34										X				X				↓	1	J G	C	
2	-014	EQUIP-HA-030706	3/7/06	13:46	X									X	X	X			X			E	2	P/L P/G	N/C	

3-8-06

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr; B= Emergency Next workday; C= Critical 2 Workdays; D= Urgent 3 Workdays; E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=HCl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

Advanced Technology Labs	Project:	NA	
3275 Walnut Avenue	Project Number:	PO# SC00437	**Reported:**
Signal Hill CA, 90755	Project Manager:	Rachelle Arada	03/27/06 14:10

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
082809-010C / 15NB-BIR-HA10-0.3	0603331-01	Soil	03/07/06 13:01	03/14/06 10:35

CASE NARRATIVE

SAMPLE RECEIPT:	Samples were received intact, at 4 °C, and accompanied by chain of custody documentation.
PRESERVATION:	Samples requiring preservation were verified prior to sample preparation and analysis.
HOLDING TIMES:	All holding times were met, unless otherwise noted in the report with data qualifiers.
QA/QC CRITERIA:	All quality objective criteria were met, except as noted in the report with data qualifiers.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Labs	Project: NA	
3275 Walnut Avenue	Project Number: PO# SC00437	**Reported:**
Signal Hill CA, 90755	Project Manager: Rachelle Arada	03/27/06 14:10

Chlorinated Herbicides by EPA Method 8151A

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
082809-010C / 15NB-BIR-HA10-0.3 (0603331-01) Soil Sampled: 03/07/06 13:01 Received: 03/14/06 10:35									
2,4,5-T	ND	1.6	µg/kg	1	B6C2415	03/21/06	03/23/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*48.3 %*	*35-150*		"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Labs	Project:	NA	
3275 Walnut Avenue	Project Number:	PO# SC00437	**Reported:**
Signal Hill CA, 90755	Project Manager:	Rachelle Arada	03/27/06 14:10

Chlorinated Herbicides by EPA Method 8151A - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6C2415 - EPA 3550B Solid Ext										
Blank (B6C2415-BLK1)				Prepared & Analyzed: 03/22/06						
2,4,5-T	ND	1.6	µg/kg							
2,4,5-TP (Silvex)	ND	1.6	"							
2,4-D	ND	1.6	"							
2,4-DB	ND	4.0	"							
3,5-Dichlorobenzoic acid	ND	2.0	"							
4-Nitrophenol	ND	2.0	"							
Acifluorfen	ND	1.6	"							
Bentazon	ND	1.6	"							
Chloramben	ND	1.6	"							
Dalapon	ND	20	"							
DCPA diacid	ND	1.6	"							
Dicamba	ND	1.6	"							
Dichlorprop	ND	1.6	"							
Dinoseb	ND	1.6	"							
Pentachlorophenol	ND	1.6	"							
Picloram	ND	1.6	"							
Surrogate: 2,4-Dichlorophenylacetic Acid	*65.3*		*"*	*100*		*65.3*	*35-150*			
LCS (B6C2415-BS1)				Prepared & Analyzed: 03/22/06						
2,4,5-T	5.68	1.6	µg/kg	10.0		56.8	20-150			
2,4,5-TP (Silvex)	8.31	1.6	"	10.0		83.1	20-150			
Dinoseb	6.60	1.6	"	10.0		66.0	20-150			
LCS (B6C2415-BS2)				Prepared & Analyzed: 03/22/06						
2,4,5-T	5.51	1.6	µg/kg	10.0		55.1	20-150			
2,4,5-TP (Silvex)	8.14	1.6	"	10.0		81.4	20-150			
Dinoseb	6.46	1.6	"	10.0		64.6	20-150			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653
TELEPHONE: (949) 348-9389 FAX: (949) 348-9115
E-MAIL: SIERRALABS @ SIERRALABS.NET

Advanced Technology Labs	Project:	NA	
3275 Walnut Avenue	Project Number:	PO# SC00437	**Reported:**
Signal Hill CA, 90755	Project Manager:	Rachelle Arada	03/27/06 14:10

Chlorinated Herbicides by EPA Method 8151A - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6C2415 - EPA 3550B Solid Ext										
LCS Dup (B6C2415-BSD1)				Prepared & Analyzed: 03/22/06						
2,4,5-T	5.60	1.6	µg/kg	10.0		56.0	20-150	1.42	30	
2,4,5-TP (Silvex)	8.20	1.6	"	10.0		82.0	20-150	1.33	30	
Dinoseb	6.53	1.6	"	10.0		65.3	20-150	1.07	30	

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Advanced Technology Labs	Project:	NA	
3275 Walnut Avenue	Project Number:	PO# SC00437	**Reported:**
Signal Hill CA, 90755	Project Manager:	Rachelle Arada	03/27/06 14:10

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

March 23, 2006

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 082810

RE: I-5 Expansion, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on March 14, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: *23-Mar-06*

CLIENT: Ninyo & Moore
Project: I-5 Expansion, 105812001
Lab Order: 082810
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
082810-001A	I5NB-BIR-HA14-0.6	Soil	3/8/2006	3/10/2006	3/23/2006
082810-002A	I5NB-BIR-HA15-0.6	Soil	3/8/2006	3/10/2006	3/23/2006
082810-003A	I5NB-SAN-HA16-1.0	Soil	3/8/2006	3/10/2006	3/23/2006
082810-004A	I5NB-SAN-HA17-0.6	Soil	3/8/2006	3/10/2006	3/23/2006
082810-005A	I5NB-SAN-HA18-1.0	Soil	3/8/2006	3/10/2006	3/23/2006
082810-006A	I5NB-SAN-HA19-1.0	Soil	3/8/2006	3/10/2006	3/23/2006
082810-007A	I5NB-SAN-HA20-0.3	Soil	3/8/2006	3/10/2006	3/23/2006
082810-008A	I5NB-SAN-HA21-1.0	Soil	3/8/2006	3/10/2006	3/23/2006
082810-009A	I5NB-SAN-HA32-1.0	Soil	3/8/2006	3/10/2006	3/23/2006
082810-010A	Equip-HA-030806	Water	3/8/2006	3/10/2006	3/23/2006
082810-011A	I5NB-SAN-HA22-0.6	Soil	3/8/2006	3/10/2006	3/23/2006
082810-012A	I5NB-SAN-HA23-1.0	Soil	3/8/2006	3/10/2006	3/23/2006
082810-013A	I5NB-SAN-HA24-0.6	Soil	3/8/2006	3/10/2006	3/23/2006
082810-014A	I5NB-SAN-HA25-0.3	Soil	3/8/2006	3/10/2006	3/23/2006
082810-015A	I5NB-SAN-HA26-0.6	Soil	3/8/2006	3/10/2006	3/23/2006
082810-016A	I5NB-SAN-HA27-1.0	Soil	3/8/2006	3/10/2006	3/23/2006
082810-017A	I5NB-SAN-HA28-0.3	Soil	3/8/2006	3/10/2006	3/23/2006
082810-018A	I5NB-SAN-HA29-1.0	Soil	3/8/2006	3/10/2006	3/23/2006
082810-019A	I5NB-SAN-HA30-0.6	Soil	3/8/2006	3/10/2006	3/23/2006
082810-020A	I5NB-SAN-HA31-0.6	Soil	3/8/2006	3/10/2006	3/23/2006

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Project: I-5 Expansion, 105812001
Lab Order: 082810

CASE NARRATIVE

Analytical Comments for EPA 6010B

RPD for Matrix Spike (MS)/Matrix Spike Duplicate (MSD) is outside criteria for sample 082855-001AMSD; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Date: 3/23/2006

LEAD BY ICP
EPA 6010B

CLIENT:	Ninyo & Moore	**Lab Order:**	082810
Project:	I-5 Expansion, 105812001	**Date Received**	3/14/2006 12:20:00 PM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
082810-001A	I5NB-BIR-HA14-0.6	3.2	mg/Kg	27110	1.0	1	3/8/2006	3/15/2006
082810-002A	I5NB-BIR-HA15-0.6	14	mg/Kg	27110	1.0	1	3/8/2006	3/15/2006
082810-003A	I5NB-SAN-HA16-1.0	4.0	mg/Kg	27110	1.0	1	3/8/2006	3/15/2006
082810-004A	I5NB-SAN-HA17-0.6	1.9	mg/Kg	27110	1.0	1	3/8/2006	3/15/2006
082810-005A	I5NB-SAN-HA18-1.0	2.8	mg/Kg	27110	1.0	1	3/8/2006	3/15/2006
082810-006A	I5NB-SAN-HA19-1.0	13	mg/Kg	27110	1.0	1	3/8/2006	3/15/2006
082810-007A	I5NB-SAN-HA20-0.3	19	mg/Kg	27110	1.0	1	3/8/2006	3/15/2006
082810-008A	I5NB-SAN-HA21-1.0	14	mg/Kg	27110	1.0	1	3/8/2006	3/15/2006
082810-009A	I5NB-SAN-HA32-1.0	2.1	mg/Kg	27110	1.0	1	3/8/2006	3/15/2006
082810-011A	I5NB-SAN-HA22-0.6	1.7	mg/Kg	27110	1.0	1	3/8/2006	3/15/2006
082810-012A	I5NB-SAN-HA23-1.0	1.9	mg/Kg	27110	1.0	1	3/8/2006	3/15/2006
082810-013A	I5NB-SAN-HA24-0.6	12	mg/Kg	27110	1.0	1	3/8/2006	3/15/2006
082810-014A	I5NB-SAN-HA25-0.3	5.8	mg/Kg	27110	1.0	1	3/8/2006	3/15/2006
082810-015A	I5NB-SAN-HA26-0.6	3.9	mg/Kg	27110	1.0	1	3/8/2006	3/15/2006
082810-016A	I5NB-SAN-HA27-1.0	3.8	mg/Kg	27110	1.0	1	3/8/2006	3/15/2006
082810-017A	I5NB-SAN-HA28-0.3	2.8	mg/Kg	27110	1.0	1	3/8/2006	3/15/2006
082810-018A	I5NB-SAN-HA29-1.0	2.9	mg/Kg	27110	1.0	1	3/8/2006	3/15/2006
082810-019A	I5NB-SAN-HA30-0.6	2.8	mg/Kg	27110	1.0	1	3/8/2006	3/15/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 3/23/2006

LEAD BY ICP
EPA 6010B

CLIENT:	Ninyo & Moore	**Lab Order:**	082810
Project:	I-5 Expansion, 105812001	**Date Received**	3/14/2006 12:20:00 PM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
082810-020A	I5NB-SAN-HA31-0.6	3.4	mg/Kg	27110	1.0	1	3/8/2006	3/15/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 3/23/2006

LEAD BY ICP
EPA 6010B

CLIENT:	Ninyo & Moore	**Lab Order:**	082810
Project:	I-5 Expansion, 105812001	**Date Received**	3/14/2006 12:20:00 PM
Project No:		**Matrix:**	Water
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
082810-010A	Equip-HA-030806	ND	mg/L	27115	0.25	1	3/8/2006	3/16/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 3/23/2006

pH
EPA 9045C

CLIENT:	Ninyo & Moore	**Lab Order:**	082810
Project:	I-5 Expansion, 105812001	**Date Received**	3/14/2006 12:20:00 PM
Project No:		**Matrix:**	Soil
Analyte:	pH	**Analyst:**	RSJ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
082810-002A	I5NB-BIR-HA15-0.6	7.0	pH Units	R60687	0.10	1	3/8/2006	3/15/2006
082810-007A	I5NB-SAN-HA20-0.3	4.5	pH Units	R60687	0.10	1	3/8/2006	3/15/2006
082810-015A	I5NB-SAN-HA26-0.6	5.5	pH Units	R60687	0.10	1	3/8/2006	3/15/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 082810
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **MB-27110A** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/15/2006** RunNo: **61044**
Client ID: **PBS** Batch ID: **27110** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/15/2006** SeqNo: **903684**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID: **LCS-27110** SampType: **LCS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/15/2006** RunNo: **61044**
Client ID: **LCSS** Batch ID: **27110** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/15/2006** SeqNo: **903685**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	280	1.0	250.0	0.4605	112	80	120				

Sample ID: **082810-011ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/15/2006** RunNo: **61044**
Client ID: **I5NB-SAN-HA22-0.6** Batch ID: **27110** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/15/2006** SeqNo: **903696**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.0	1.0						1.705	15.4	20	

Sample ID: **082810-011AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/15/2006** RunNo: **61044**
Client ID: **I5NB-SAN-HA22-0.6** Batch ID: **27110** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/15/2006** SeqNo: **903697**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	230	1.0	250.0	1.705	92.8	31	122				

Sample ID: **MB-27110B** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/15/2006** RunNo: **61044**
Client ID: **PBS** Batch ID: **27110** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/15/2006** SeqNo: **903698**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

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CLIENT: Ninyo & Moore
Work Order: 082810
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **082855-001ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/15/2006** RunNo: **61044**
Client ID: **ZZZZZZ** Batch ID: **27110** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/15/2006** SeqNo: **903709**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.3	1.0						6.674	8.85	20	

Sample ID: **082855-001AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/15/2006** RunNo: **61044**
Client ID: **ZZZZZZ** Batch ID: **27110** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/15/2006** SeqNo: **903710**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	300	1.0	250.0	6.674	116	31	122				

Sample ID: **082855-001AMSD** SampType: **MSD** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/15/2006** RunNo: **61044**
Client ID: **ZZZZZZ** Batch ID: **27110** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/15/2006** SeqNo: **903711**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	220	1.0	250.0	6.674	83.7	31	122	297.2	31.7	20	R

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 082810
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_WPB

Sample ID: **MB-27115** SampType: **MBLK** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/15/2006** RunNo: **60737**
Client ID: **PBW** Batch ID: **27115** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/16/2006** SeqNo: **898375**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-27115** SampType: **LCS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/15/2006** RunNo: **60737**
Client ID: **LCSW** Batch ID: **27115** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/16/2006** SeqNo: **898376**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.92	0.25	1.000	0	92.5	85	115				

Sample ID: **082809-014ADUP** SampType: **DUP** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/15/2006** RunNo: **60737**
Client ID: **ZZZZZZ** Batch ID: **27115** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/16/2006** SeqNo: **898379**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25						0	0	20	

Sample ID: **082809-014AMS** SampType: **MS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/15/2006** RunNo: **60737**
Client ID: **ZZZZZZ** Batch ID: **27115** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/16/2006** SeqNo: **898380**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.7	0.25	2.500	0	110	78	118				

Sample ID: **082809-014AMSD** SampType: **MSD** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/15/2006** RunNo: **60737**
Client ID: **ZZZZZZ** Batch ID: **27115** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/16/2006** SeqNo: **898381**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.7	0.25	2.500	0	107	78	118	2.744	2.94	20	

Qualifiers:
- E Value above quantitation range
- R RPD outside accepted recovery limits
- Calculations are based on raw values
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interferenc
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 082810
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID: **082810-007ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: RunNo: **60687**
Client ID: **I5NB-SAN-HA20-0.3** Batch ID: **R60687** TestNo: **EPA 9045C** Analysis Date: **3/15/2006** SeqNo: **897755**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	4.2	0.10						4.500	7.85	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: Dr Date: 03/10/06

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other:

Sample Condition Upon Receipt:
1. CHILLED 5.5°C Y☑ N☐ 4. SEALED Y☐ N☑
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☑ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☑ N☐

Client: Nuyo & Moore
Attn: Scott Snyder
Address: 5710 Ruffin Road
City: SAN Diego State: CA Zip Code: 92123
TEL: (858) 576-1000
FAX: (858) 576-9600

Project Name: I-5 Expansion Project #: 105812001 Sampler: (Printed Name) Matt Fuller (Signature) Matt Fuller

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Matt Fuller				3-10-06	10:30a
Relinquished by: (Signature and Printed Name)	Date: 3-10-06	Time: 6:15p	Received by: (Signature and Printed Name)	Date: 03/10/06	Time: 1811
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Matt Fuller (Print Name) 3-8-06 (Date) (Signature)

Send Report To: Attn: Scott Snyder; Co: Nuyo & Moore; Address: 5710 Ruffin Rd; City: SD State: CA Zip: 92123

Bill To: Attn: Co: Address: City State Zip

Special Instructions/Comments: ~~Pesticides for mp 8-06~~

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested

SPECIFY APPROPRIATE MATRIX

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	Lead (6010B)	8141 (Pesticides)	8151 (Herbicides)	pH	9045C	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	052810-001	ISNB-BIR-HA14-0.6	3-8-06	0924									X						X				E	1	J/G	C	
	-002	ISNB-BIR-HA15-0.6		0935									X			X			X								
	-003	ISNB-SAN-HA16-1.0		0950									X						X								
	-004	ISNB-SAN-HA17-0.6		0955									X						X								
	-005	ISNB-SAN-HA18 1.0		1015									X						X								
	-006	ISNB-SAN-HA19-1.0		1019									X						X								
	-007	ISNB-SAN-HA20-0.3		1038									X			X			X								
	-008	ISNB-SAN-HA21-1.0		1045									X						X								
	-009	ISNB-SAN-HA32-1.0		1442									X						X								
	-010	Equip-HA-030806		1500									X							X				P	P		

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr; B= Emergency Next workday; C= Critical 2 Workdays; D= Urgent 3 Workdays; E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: Dr Date: 03/10/06

Method of Transport: Client ☐ ATL ☒ CA OverN ☐ FEDEX ☐ Other:

Sample Condition Upon Receipt: 1. CHILLED Y☒ N☐ (5.9°C) 2. HEADSPACE (VOA) Y☐ N☒ 3. CONTAINER INTACT Y☒ N☐ 4. SEALED Y☐ N☒ 5. # OF SPLS MATCH COC Y☐ N☐ 6. PRESERVED Y☒ N☒

Client: Ninyo & Moore
Attn: Scott Synder
Address: 5710 Ruffin Road
City San Diego State CA Zip Code 92115
TEL: (858) 576-1000
FAX: (8) 576-9600

Project Name: CALtrans I-5 Project #: 105812001 Sampler: (Printed Name) MDR-MLF (Signature)

Relinquished by: (Signature and Printed Name) M. Fuller Date: Time: Received by: (Signature and Printed Name) Date: 3-10-06 Time: 10:30a
Relinquished by: (Signature and Printed Name) Date: 3-10-06 Time: 6:15p Received by: (Signature and Printed Name) Date: 03/10/06 Time: 1815
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Matt Fuller 3-8-06 (Print Name / Date)
Signature

Send Report To: Attn: Scott Snyder Co: Ninyo & Moore Address 5710 Ruffin Road City SD State CA Zip 92115

Bill To: Attn: Co: Address City State Zip

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested: 8081A (Pesticides), 8082 (PCB), 8260B (Volatiles), 8270C (BNA), 6010B (Total Metal), 8015B (GRO) / 8020 (BTEX), 8015B (DRO), 8021 (BTEX), TITLE 22 / CAM 17 (6010 / 7000), LEAD (6010B), TOXSC (pH)

SPECIFY APPROPRIATE MATRIX: SOIL, WATER, GROUND WATER, WASTEWATER

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A	8082	8260B	8270C	6010B	8015B (GRO)	8015B (DRO)	8021	TITLE 22 / CAM 17	LEAD (6010B)	TOXSC (pH)	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
1	082510 011	ISNB-SAN-HA22-0.6	3/8/07	11:25									X			X				E	1	J J G	C	
1	-012	ISNB-SAN-HA23-1.0	"	11:27									X			X								
1	-013	ISNB-SAN-HA24-0.6	"	11:42									X			X								
1	-014	ISNB-SAN-HA25-0.3	"	11:47									X			X								
1	-015	ISNB-SAN-HA26-0.6	"	1210									X	X		X								
1	-016	ISNB-SAN-HA27-1.0	"	1214									X			X								
1	-017	ISNB-SAN-HA28-0.3	"	1409									X			X								
	-018	ISNB-SAN-HA29-1.0	"	1412									X			X								
	-019	ISNB-SAN-HA30-0.6	"	1425									X			X								
	-020	ISNB-SAN-HA31-0.6	"	1431									X			X								

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

March 23, 2006

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 082808

RE: I-5 EXPANSION, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on March 10, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: *23-Mar-06*

CLIENT: Ninyo & Moore
Project: I-5 EXPANSION, 105812001
Lab Order: 082808
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
082808-001A	I5NB-SAN-HA33-1.4	Soil	3/9/2006	3/10/2006	3/23/2006
082808-002A	I5NB-SAN-HA34-0.6	Soil	3/9/2006	3/10/2006	3/23/2006
082808-003A	I5NB-SAN-HA35-0.6	Soil	3/9/2006	3/10/2006	3/23/2006
082808-004A	I5NB-SAN-HA36-1.0	Soil	3/9/2006	3/10/2006	3/23/2006
082808-005A	I5NB-SAN-HA37-0.3	Soil	3/9/2006	3/10/2006	3/23/2006
082808-006A	I5NB-ENC-HA38-1.0	Soil	3/9/2006	3/10/2006	3/23/2006
082808-007A	I5NB-ENC-HA39-0.6	Soil	3/9/2006	3/10/2006	3/23/2006
082808-008A	I5NB-ENC-HA40-1.0	Soil	3/9/2006	3/10/2006	3/23/2006
082808-009A	I5NB-ENC-HA41-1.0	Soil	3/9/2006	3/10/2006	3/23/2006
082808-010A	I5NB-ENC-HA42-1.0	Soil	3/9/2006	3/10/2006	3/23/2006
082808-011A	I5NB-ENC-HA43-0.3	Soil	3/9/2006	3/10/2006	3/23/2006
082808-012A	I5NB-ENC-HA44-1.0	Soil	3/9/2006	3/10/2006	3/23/2006
082808-013A	I5NB-ENC-HA45-0.3	Soil	3/9/2006	3/10/2006	3/23/2006
082808-014A	I5NB-ENC-HA46-0.6	Soil	3/9/2006	3/10/2006	3/23/2006
082808-015A	I5NB-ENC-HA47-1.4	Soil	3/9/2006	3/10/2006	3/23/2006
082808-016A	I5NB-ENC-HA48-1.0	Soil	3/9/2006	3/10/2006	3/23/2006
082808-017A	I5NB-ENC-HA49-0.6	Soil	3/9/2006	3/10/2006	3/23/2006
082808-018A	I5NB-ENC-HA50-1.0	Soil	3/9/2006	3/10/2006	3/23/2006
082808-019A	I5NB-ENC-HA51-0.3	Soil	3/9/2006	3/10/2006	3/23/2006
082808-020A	Equip-HA-030906	Water	3/9/2006	3/10/2006	3/23/2006

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Project: I-5 EXPANSION, 105812001
Lab Order: 082808

CASE NARRATIVE

Analytical Comments for EPA 6010B

RPD for Sample Duplicate (DUP) is outside criteria for sample 082808-010ADUP; however, the Laboratory Control Sample (LCS) validated the analytical batch.

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Date: 3/23/2006

LEAD BY ICP
EPA 6010B

CLIENT:	Ninyo & Moore	**Lab Order:**	082808
Project:	I-5 EXPANSION, 105812001	**Date Received**	3/10/2006 6:15:00 PM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
RunID: ICP5_060317G								
082808-001A	I5NB-SAN-HA33-1.4	1.4	mg/Kg	27100	1.0	1	3/9/2006	3/17/2006
082808-002A	I5NB-SAN-HA34-0.6	1.3	mg/Kg	27100	1.0	1	3/9/2006	3/17/2006
082808-003A	I5NB-SAN-HA35-0.6	19	mg/Kg	27100	1.0	1	3/9/2006	3/17/2006
082808-004A	I5NB-SAN-HA36-1.0	1.6	mg/Kg	27100	1.0	1	3/9/2006	3/17/2006
082808-005A	I5NB-SAN-HA37-0.3	6.9	mg/Kg	27100	1.0	1	3/9/2006	3/17/2006
082808-006A	I5NB-ENC-HA38-1.0	6.8	mg/Kg	27100	1.0	1	3/9/2006	3/17/2006
082808-007A	I5NB-ENC-HA39-0.6	3.8	mg/Kg	27100	1.0	1	3/9/2006	3/17/2006
082808-008A	I5NB-ENC-HA40-1.0	2.9	mg/Kg	27100	1.0	1	3/9/2006	3/17/2006
082808-009A	I5NB-ENC-HA41-1.0	3.4	mg/Kg	27100	1.0	1	3/9/2006	3/17/2006
082808-010A	I5NB-ENC-HA42-1.0	1.7	mg/Kg	27100	1.0	1	3/9/2006	3/17/2006
082808-011A	I5NB-ENC-HA43-0.3	9.2	mg/Kg	27100	1.0	1	3/9/2006	3/17/2006
082808-012A	I5NB-ENC-HA44-1.0	17	mg/Kg	27100	1.0	1	3/9/2006	3/17/2006
082808-013A	I5NB-ENC-HA45-0.3	32	mg/Kg	27100	1.0	1	3/9/2006	3/17/2006
082808-014A	I5NB-ENC-HA46-0.6	17	mg/Kg	27100	1.0	1	3/9/2006	3/17/2006
082808-015A	I5NB-ENC-HA47-1.4	4.4	mg/Kg	27100	1.0	1	3/9/2006	3/17/2006
082808-016A	I5NB-ENC-HA48-1.0	2.7	mg/Kg	27100	1.0	1	3/9/2006	3/17/2006
082808-017A	I5NB-ENC-HA49-0.6	6.5	mg/Kg	27100	1.0	1	3/9/2006	3/17/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: 3/23/2006

LEAD BY ICP
EPA 6010B

CLIENT:	Ninyo & Moore	**Lab Order:**	082808
Project:	I-5 EXPANSION, 105812001	**Date Received**	3/10/2006 6:15:00 PM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
RunID: ICP5_060317G								
082808-018A	I5NB-ENC-HA50-1.0	8.5	mg/Kg	27100	1.0	1	3/9/2006	3/17/2006
082808-019A	I5NB-ENC-HA51-0.3	410	mg/Kg	27100	1.0	1	3/9/2006	3/17/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 3/23/2006

LEAD BY ICP
EPA 6010B

CLIENT:	Ninyo & Moore	**Lab Order:**	082808
Project:	I-5 EXPANSION, 105812001	**Date Received**	3/10/2006 6:15:00 PM
Project No:		**Matrix:**	Water
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
RunID: ICP5_060316F								
082808-020A	Equip-HA-030906	ND	mg/L	27115	0.25	1	3/9/2006	3/16/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 3/23/2006

pH
EPA 9045C

CLIENT:	Ninyo & Moore	**Lab Order:**	082808
Project:	I-5 EXPANSION, 105812001	**Date Received**	3/10/2006 6:15:00 PM
Project No:		**Matrix:**	Soil
Analyte:	pH	**Analyst:**	RSJ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
RunID: WETCHEM_060315F								
082808-001A	I5NB-SAN-HA33-1.4	8.3	pH Units	R60685	0.10	1	3/9/2006	3/15/2006
082808-015A	I5NB-ENC-HA47-1.4	7.5	pH Units	R60685	0.10	1	3/9/2006	3/15/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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CLIENT: Ninyo & Moore
Work Order: 082808
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **MB-27100A** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/14/2006** RunNo: **61035**
Client ID: **PBS** Batch ID: **27100** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/17/2006** SeqNo: **903712**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID: **LCS-27100** SampType: **LCS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/14/2006** RunNo: **61035**
Client ID: **LCSS** Batch ID: **27100** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/17/2006** SeqNo: **903713**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	270	1.0	250.0	0.3365	109	80	120				

Sample ID: **082808-010ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/14/2006** RunNo: **61035**
Client ID: **I5NB-ENC-HA42-1.0** Batch ID: **27100** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/17/2006** SeqNo: **903724**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.3	1.0						1.715	29.1	20	R

Sample ID: **082808-010AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/14/2006** RunNo: **61035**
Client ID: **I5NB-ENC-HA42-1.0** Batch ID: **27100** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/17/2006** SeqNo: **903725**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	220	1.0	250.0	1.715	88.2	31	122				

Sample ID: **MB-27100B** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/14/2006** RunNo: **61035**
Client ID: **PBS** Batch ID: **27100** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/17/2006** SeqNo: **903726**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Qualifiers:
- E Value above quantitation range
- R RPD outside accepted recovery limits
- Calculations are based on raw values
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interferenc
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 082808
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **082809-001ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/14/2006** RunNo: **61035**
Client ID: **ZZZZZZ** Batch ID: **27100** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/17/2006** SeqNo: **903737**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.0	1.0						3.160	6.54	20	

Sample ID: **082809-001AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/14/2006** RunNo: **61035**
Client ID: **ZZZZZZ** Batch ID: **27100** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/17/2006** SeqNo: **903738**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	240	1.0	250.0	3.160	96.5	31	122				

Sample ID: **082809-001AMSD** SampType: **MSD** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/14/2006** RunNo: **61035**
Client ID: **ZZZZZZ** Batch ID: **27100** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/17/2006** SeqNo: **903739**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	240	1.0	250.0	3.160	96.7	31	122	244.5	0.186	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 082808
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_WPB

Sample ID: **MB-27115** SampType: **MBLK** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/15/2006** RunNo: **60737**
Client ID: **PBW** Batch ID: **27115** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/16/2006** SeqNo: **898375**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-27115** SampType: **LCS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/15/2006** RunNo: **60737**
Client ID: **LCSW** Batch ID: **27115** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/16/2006** SeqNo: **898376**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.92	0.25	1.000	0	92.5	85	115				

Sample ID: **082809-014ADUP** SampType: **DUP** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/15/2006** RunNo: **60737**
Client ID: **ZZZZZZ** Batch ID: **27115** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/16/2006** SeqNo: **898379**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25						0	0	20	

Sample ID: **082809-014AMS** SampType: **MS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/15/2006** RunNo: **60737**
Client ID: **ZZZZZZ** Batch ID: **27115** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/16/2006** SeqNo: **898380**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.7	0.25	2.500	0	110	78	118				

Sample ID: **082809-014AMSD** SampType: **MSD** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/15/2006** RunNo: **60737**
Client ID: **ZZZZZZ** Batch ID: **27115** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/16/2006** SeqNo: **898381**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.7	0.25	2.500	0	107	78	118	2.744	2.94	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 082808
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID: **082808-001ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: RunNo: **60685**
Client ID: **I5NB-SAN-HA33-1.4** Batch ID: **R60685** TestNo: **EPA 9045C** Analysis Date: **3/15/2006** SeqNo: **897721**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.1	0.10						8.260	15.1	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:
Logged By: PM Date: 03/10/06

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other:

Sample Condition Upon Receipt:
1. CHILLED Y☑ N☐ 5.4°C
2. HEADSPACE (VOA) Y☐ N☐
3. CONTAINER INTACT Y☑ N☐
4. SEALED Y☐ N☑
5. # OF SPLS MATCH COC Y☑ N☐
6. PRESERVED Y☐ N☑

Client: Ninyo & Moore
Attn: Scott Snyder
Address: 5710 Ruffin Road
City SD State CA Zip Code 92115
TEL: (858) 576-1000
FAX: (858) 576-9600

Project Name: I-5 EXPANSION
Project #: 105812001
Sampler: (Printed Name) MATT ROE (Signature) MATT ROE

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
MATT ROE MATT ROE				3-10-06	10:30
	3-10-06	6:15p		03/10/06	1815

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: MATT ROE 3-9-06
Print Name Date
Signature: MATT ROE

Send Report To:
Attn: Scott Snyder
Co: Ninyo & Moore
Address 5710 Ruffin Road
City SD State CA Zip 92115

Bill To:
Attn: SAME AS PREVIOUS
Co:
Address
City State Zip

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	8141 (Pesticides)	8151 (Herbicides)	PH (9045C)	Total Lead (6010B)	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
1	082808 - 001	ISNB-SAN-HA33-1.4	3/9	9:20										X	X		X					E	1	G J	C	
1	- 002	ISNB-SAN-HA34-0.6	3/9	9:22											X								1	G		
1	- 003	ISNB-SAN-HA35-0.6	3/9	9:51											X								1			
1	- 004	ISNB-SAN-HA36-1.0	3/9	10:14											X								1			
1	- 005	ISNB-SAN-HA37-0.3	3/9	10:16											X								1			
1	- 006	ISNB-ENC-HA38-1.0	"	10/50											X								1			
1	- 007	ISNB-ENC-HA39-0.6	"	10:55											X								1			
	- 008	ISNB-ENC-HA40-1.0	"	11:20											X								1			
1	- 009	ISNB-ENC-HA41-1.0	"	11:30											X							E	1			
	- 010	ISNB-ENC-HA42-1.0	"	11:48											X			X				E	1	G J	C	

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: PN Date: 03/10/06

Method of Transport: Client ☐ ATL ☒ CA OverN ☐ FEDEX ☐ Other:

Sample Condition Upon Receipt: 1. CHILLED Y☐ N☐ (9.4°C) 2. HEADSPACE (VOA) Y☐ N☐ 3. CONTAINER INTACT Y☒ N☐ 4. SEALED Y☐ N☒ 5. # OF SPLS MATCH COC Y☒ N☐ 6. PRESERVED Y☐ N☒

Client: Ninyo & Moore
Attn: Scott Snyder
Address: 5710 Ruffin Road
City State Zip Code
TEL: ( )
FAX: ( )

Project Name: Caltrans I-5
Project #: 105812001
Sampler: (Printed Name) MATT ROE (Signature) Matt Roe

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Matt Roe / Matt Roe				3-10-06	10:30
Matt Roe	3-10-06	6:50		03/10/06	1515

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Matt Roe (Print Name) 3-9-06 (Date) Matt Roe (Signature)

Send Report To: Attn: Scott Snyder; Co: Ninyo & Moore; Address: 5710 Ruffin Road; City: SD State: CA Zip: 92115

Bill To: Attn: ; Co: Same ; Address: ← ; City State Zip

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested: 8081A (Pesticides), 8082 (PCB), 8260B (Volatiles), 8270C (BNA), 6010B (Total Metal), 8015B (GRO) / 8020 (BTEX), 8015B (DRO), 6021 (BTEX), TITLE 22 / CAM 17 (6010 / 7000), 8141 (Pest), 8151 (Herb), pH (9045C), Total Lead

SPECIFY APPROPRIATE MATRIX: SOIL, WATER, GROUND WATER, WASTEWATER

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	Total Lead	SOIL	WATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
1	0428808-011	ISNB-ENC-HA43-0.3	3/9/06	12:00	X	X		E	1	J 6	C	
1	-012	ISNB-ENC-HA44-1.0	"	12:10	X	X						
1	-013	ISNB-ENC-HA45-0.3	"	13:36	X	X						
1	-014	ISNB-ENC-HA46-0.6	"	13:41	X	X						
1	-015	ISNB-ENC-HA47-1.4	"	13:58	X X	X						
1	-016	ISNB-ENC-HA48-1.0	"	14:00	X	X						
1	-017	ISNB-ENC-HA49-0.6	"	14:10	X	X						
1	-018	ISNB-ENC-HA50-1.0	"	14:15	X	X						
1	-019	ISNB-ENC-HA51-0.3	"	1430	X	X						
1	-020	Equip-HA-030906	"	1446	X		X		P	P	N	

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

April 13, 2006

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 082808

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

RE: I-5 EXPANSION, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on March 10, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

CLIENT: Ninyo & Moore
Project: I-5 EXPANSION, 105812001
Lab Order: 082808

CASE NARRATIVE

Analytical Comments for EPA 7420

RPD for Sample Duplicate (DUP) is outside criteria for sample 083197-021ADUP; however, the Laboratory Control Sample (LCS) validated the analytical batch.

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Date: 4/13/2006

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Ninyo & Moore	**Lab Order:**	082808
Project:	I-5 EXPANSION, 105812001	**Date Received**	3/10/2006 6:15:00 PM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
082808-019A	I5NB-ENC-HA51-0.3	43	mg/L	R61866	1.2	5	3/9/2006	4/10/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/13/2006

LEAD BY ATOMIC ABSORPTION
EPA 1311/ 7420

CLIENT:	Ninyo & Moore	**Lab Order:**	082808
Project:	I-5 EXPANSION, 105812001	**Date Received**	3/10/2006 6:15:00 PM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
082808-019A	I5NB-ENC-HA51-0.3	ND	mg/L	27514	1.2	1	3/9/2006	4/11/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 082808
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **MB-27480A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **PBS** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915726**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **083019-012A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **ZZZZZZ** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915737**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	26	0.75						25.09	3.99	20	

Sample ID: **083019-012AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **ZZZZZZ** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915739**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	29	1.0	5.000	25.09	74.9	70	130				

Sample ID: **MB-27480** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **PBS** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915740**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **MB-27480B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **PBS** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915741**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 082808
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **LCS-27480** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **LCSS** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915742**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.4	0.25	5.000	0	108	80	120				

Sample ID: **083197-021A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **ZZZZZZ** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915753**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	13	0.50						6.794	64.7	20	R

Sample ID: **083197-021AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **ZZZZZZ** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915754**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12	0.50	5.000	6.794	97.1	70	130				

Sample ID: **083197-021AMSD** SampType: **MSD** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **ZZZZZZ** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915755**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12	0.50	5.000	6.794	97.6	70	130	11.65	0.228	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 082808
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID: **MB-27514A** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2006** RunNo: **61930**
Client ID: **PBS** Batch ID: **27514** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **4/11/2006** SeqNo: **916578**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **MB-27495A TCLP 1** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2006** RunNo: **61930**
Client ID: **PBS** Batch ID: **27514** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **4/11/2006** SeqNo: **916579**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.2									

Sample ID: **LCS-27514** SampType: **LCS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2006** RunNo: **61930**
Client ID: **LCSS** Batch ID: **27514** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **4/11/2006** SeqNo: **916580**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.89	0.25	1.000	0	88.7	80	120				

Sample ID: **083126-018A-DUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2006** RunNo: **61930**
Client ID: **ZZZZZZ** Batch ID: **27514** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **4/11/2006** SeqNo: **916588**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.2						0	0	20	

Sample ID: **083126-018A-MS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2006** RunNo: **61930**
Client ID: **ZZZZZZ** Batch ID: **27514** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **4/11/2006** SeqNo: **916589**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	13	1.2	12.50	0	101	70	130				

Sample ID: **083126-018A-MSD** SampType: **MSD** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2006** RunNo: **61930**
Client ID: **ZZZZZZ** Batch ID: **27514** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **4/11/2006** SeqNo: **916590**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 082808
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID: **083126-018A-MSD** SampType: **MSD** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2006** RunNo: **61930**
Client ID: **ZZZZZZ** Batch ID: **27514** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **4/11/2006** SeqNo: **916590**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12	1.2	12.50	0	96.6	70	130	12.65	4.61	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Rachelle Arada

From: Scott Snyder [ssnyder@ninyoandmoore.com]
Sent: Wednesday, April 05, 2006 4:45 PM
To: Rachelle Arada
Subject: additional analyses

Rachelle,

I need some additional analyses on the hand auger samples for Caltrans for leachable lead.

STLC (WET):

I5NB-ENC-HA51-0.3
I5NB-ENC-HA61-0.6
I5NB-LEU-HA76-0.3
I5NB-LOC-HA93-0.6
I5NB-PO1-HA102-0.6
I5NB-PO1-HA104-0.3
I5NB-P01-HA107-0.6
I5NB-PAL-HA113-0.3
I5NB-PAL-HA114-0.3
I5NB-CAN-HA118-0.3
I5NB-CAN-HA122-1.0
I5NB-CAS-HA142-0.3
I5NB-VIS-HA151-0.3
I5NB-VIS-HA152-0.3

TCLP:

I5NB-ENC-HA51-0.3
I5NB-LEU-HA76-0.3
I5NB-LOC-HA93-0.6
I5NB-PO1-HA104-0.3
I5NB-PAL-HA113-0.3
I5NB-CAN-HA118-0.3
I5NB-CAN-HA122-1.0
I5NB-CAS-HA142-0.3
I5NB-VIS-HA152-0.3

If you have any questions about these additional analyses, please do not hesitate to call or email.

Thanks,
Scott

Scott Snyder, PG, HG
Senior Hydrogeologist
Ninyo & Moore
5710 Ruffin Road
San Diego, California 92122
858.576.1000 x1255

May 11, 2006

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 082808

RE: I-5 EXPANSION, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on March 10, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: *11-May-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5NB-ENC-HA51-0.3
Lab Order:	082808	**Tag Number:**	
Project:	I-5 EXPANSION, 105812001	**Collection Date:**	3/9/2006 2:30:00 PM
Lab ID:	082808-019A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
LEAD BY ATOMIC ABSORPTION						
			WET DI/ EPA 7420			
RunID: AA2_060508D	QC Batch: R63076			PrepDate:		Analyst: **NS**
Lead	7.0	0.25		mg/L	1	5/8/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *11-May-06*

CLIENT: Ninyo & Moore
Work Order: 082808
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID: **083019-012A-DUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **ZZZZZZ** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932882**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25						0	0	20	

Sample ID: **083019-012AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **ZZZZZZ** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932883**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.37	0.25	5.000	0	107	70	130				

Sample ID: **MB-27867B** SampType: **MBLK** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **PBS** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932884**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **MB-27867** SampType: **MBLK** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **PBS** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932892**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **083252-010A-DUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **ZZZZZZ** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932896**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.55	0.25						2.130	17.8	20	

Qualifiers:
- E Value above quantitation range
- R RPD outside accepted recovery limits
- Calculations are based on raw values
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interferenc
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 082808
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID: **083252-010AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **ZZZZZZ** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932897**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.21	0.25	5.000	2.130	102	70	130				

Sample ID: **083252-010AMSD** SampType: **MSD** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **ZZZZZZ** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932898**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.22	0.25	5.000	2.130	102	70	130	7.209	0.138	20	

Sample ID: **MB-27867A** SampType: **MBLK** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **PBS** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932899**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **LCS-27867** SampType: **LCS** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **LCSS** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932900**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.05	0.25	5.000	0	101	80	120				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Rachelle Arada

From: Scott Snyder [ssnyder@ninyoandmoore.com]
Sent: Tuesday, May 02, 2006 9:04 AM
To: Rachelle Arada
Subject: FW: additional analyses

Rachelle,

For the samples listed below, I am also looking for a WET analysis using deionized water as the extractant instead of whatever it is you normally use for the WET method. You already ran the standard WET test, but now I need deionized water used. What is the extractant that is normally use for the WET test? Is it citric acid?

Thanks,
Scott

I5NB-ENC-HA51-0.3
I5NB-ENC-HA61-0.6
I5NB-LEU-HA76-0.3
I5NB-LOC-HA93-0.6
I5NB-PO1-HA102-0.6
I5NB-PO1-HA104-0.3
I5NB-P01-HA107-0.6
I5NB-PAL-HA113-0.3
I5NB-PAL-HA114-0.3
I5NB-CAN-HA118-0.3
I5NB-CAN-HA122-1.0
I5NB-CAS-HA142-0.3
I5NB-VIS-HA151-0.3
I5NB-VIS-HA152-0.3

Scott Snyder, PG, HG
Senior Hydrogeologist
Ninyo & Moore
5710 Ruffin Road
San Diego, California 92122
858.576.1000 x1255

D-TEK Analytical Laboratories, Inc.
9020 Kenamar Drive, Suite 205
San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	**3/22/06**
Sampling Date:	**3/10/06**
Date Sample Received:	**3/15/06**
Date Extracted:	**3/17/06**
Date Analyzed:	**March 20, 2006**
Analyzed By:	**EA**
Method:	**EPA 8141A**
Sample Type:	**Soil**
Sample Log Number:	**06-1858 and 06-1859**

The sample(s) were analyzed with EPA methodology or equivalent methods as specified on the attached "Analyses Results" report. The symbol for "less than" indicates a value below the reportable detection limit.

The results of these analyses and the quality control data are enclosed.

Ellen Atienza
Operations Manager

D-TEK Analytical Laboratories, Inc.
9020 Kenamar Drive, Suite 205
San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	3/22/06
Sampling Date:	3/10/06
Date Sample Received:	3/15/06
Date Extracted:	3/17/06
Date Analyzed:	March 20, 2006
Analyzed By:	EA
Sample Type:	Soil
Method:	EPA 8141A
Units:	µg/kg

ANALYSES RESULTS

Analysis	Detection Limit	Log Number:	06-1858	06-1859
		Sample ID:	082865-002B 15NB-ENC-HA53-0.3	082865-007B 15NB-ENC-HA58-0.6
Azinphos Methyl	5.0		<DL	<DL
Bolstar	5.0		<DL	<DL
Coumaphos	5.0		<DL	<DL
Demeton	5.0		<DL	<DL
Diazinon	5.0		<DL	<DL
Dichlorvos	5.0		<DL	<DL
Disulfoton	5.0		<DL	<DL
Dursban (Chlorpyrifos)	5.0		<DL	<DL
Ethoprop	5.0		<DL	<DL
Fensulfothion	10.0		<DL	<DL
Fenthion	5.0		<DL	<DL
Gardona (Stirophos)	5.0		<DL	<DL
Malathion	5.0		<DL	<DL
Merphos	5.0		<DL	<DL
Methyl Parathion	5.0		<DL	<DL
Mevinphos	5.0		<DL	<DL
Naled	5.0		<DL	<DL
Phorate	5.0		<DL	<DL
Ronnel	5.0		<DL	<DL
Tokuthion	5.0		<DL	<DL
Trichloronate	5.0		<DL	<DL

Ellen Atienza
Operations Manager

D-TEK Analytical Laboratories, Inc.
9020 Kenamar Drive, Suite 205
San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

QUALITY CONTROL DATA REPORT

Date:	**3/22/06**
Attn:	**Ms. Rachelle Arada**
Date Extracted:	**3/17/06**
Date Analyzed:	**March 20, 2006**
Analysis Method:	**EPA 8141A**
Log #:	**06-1858 and 06-1859**

Method Blank

No target analytes were detected in the method blank.

Laboratory Control Sample

Compound	% Recovery	QC Limits	DUP % Recovery	%RPD	RPD Limits
Diazinon	68	40-130	87	25	30
Methyl Parathion	87	40-130	108	22	30
Dursban (Chlorpyrifos)	80	40-130	84	5	30
Gardona (Stirophos)	92	40-130	116	18	30

SURROGATE RECOVERIES
(Tributylphosphate)

Log #	Percent Recovery:
Method Blank	112
06-1858	87
06-1859	118
LCS	83
LCS Dup	124

QC limits: 50 to 170%

Ellen Atienza
Operations Manager

QUALITY CONTROL TERMINOLOGY

- **LCS - LABORATORY CONTROL SAMPLE.** Reported as % recovery of an independent standard carried through all sample preparation procedures to verify method performance. Acceptable range is based on historical laboratory control data and EPA requirements. Any out-of-control QC data is clearly indicated.
- **Spike-** environmental sample is matrix spiked with method compounds and % recovery of concentration spiked into sample is calculated. Reported as % recovery. Acceptable range for "Normal Matrix Sample" is based on historical laboratory control data. Any out-of-control QC data is clearly indicated.
- **Surrogates-** Compounds representative of a group of compounds. Surrogates are spiked into environmental samples and % recovery of concentration spiked is calculated and reported. Acceptable range varies depending on sample matrix and analysis method. Any out-of-control QC data is clearly indicated.

0611341

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755-5225
TEL: *5629894045* FAX: *5629894040*

CHAIN-OF-CUSTODY RECORD

QC Level: CT

Subcontractor:
D-Tek
9020 Kenamar Drive, Suite 205
San Diego, CA 92121

TEL: (858) 566-4540
FAX: (858) 566-4542
Acct #:

14-Mar-06

	Sample ID	Matrix	Date Collected	Bottle Type	Requested Tests: EPA 8141A			
082865-002B	/ I5NB-ENC-HA53-0.3	Soil	3/10/2006 9:53:00 AM	4OZG	1		06-1862	1858
082865-007B	/ I5NB-ENC-HA58-0.6	Soil	3/10/2006 11:06:00 AM	4OZG	1		06-1863	1859

General Comments: Please use PO#: SC00441 Please fax results by: 5-DAYS TAT
SEND REPORT TO RACHELLE ARADA

		Date/Time			Date/Time
Relinquished by:		3/14/06 1400	Received by:	CA OVERNIGHT	
Relinquished by:	CA OVERNIGHT		Received by:		3/15/06 0800

March 23, 2006

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 082865

RE: I-5 Expansion, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on March 14, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: *23-Mar-06*

CLIENT: Ninyo & Moore
Project: I-5 Expansion, 105812001
Lab Order: 082865
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
082865-001A	I5NB-ENC-HA52-1.0	Soil	3/10/2006	3/14/2006	3/23/2006
082865-002A	I5NB-ENC-HA53-0.3	Soil	3/10/2006	3/14/2006	3/23/2006
082865-002B	I5NB-ENC-HA53-0.3	Soil	3/10/2006	3/14/2006	3/23/2006
082865-002C	I5NB-ENC-HA53-0.3	Soil	3/10/2006	3/14/2006	3/23/2006
082865-003A	I5NB-ENC-HA54-0.6	Soil	3/10/2006	3/14/2006	3/23/2006
082865-004A	I5NB-ENC-HA55-1.0	Soil	3/10/2006	3/14/2006	3/23/2006
082865-005A	I5NB-ENC-HA56-0.3	Soil	3/10/2006	3/14/2006	3/23/2006
082865-006A	I5NB-ENC-HA57-1.4	Soil	3/10/2006	3/14/2006	3/23/2006
082865-007A	I5NB-ENC-HA58-0.6	Soil	3/10/2006	3/14/2006	3/23/2006
082865-007B	I5NB-ENC-HA58-0.6	Soil	3/10/2006	3/14/2006	3/23/2006
082865-007C	I5NB-ENC-HA58-0.6	Soil	3/10/2006	3/14/2006	3/23/2006
082865-008A	I5NB-ENC-HA59-0.3	Soil	3/10/2006	3/14/2006	3/23/2006
082865-009A	I5NB-ENC-HA60-1.0	Soil	3/10/2006	3/14/2006	3/23/2006
082865-010A	I5NB-ENC-HA61-0.6	Soil	3/10/2006	3/14/2006	3/23/2006
082865-011A	I5NB-ENC-HA62-1.0	Soil	3/10/2006	3/14/2006	3/23/2006
082865-012A	I5NB-ENC-HA63-0.6	Soil	3/10/2006	3/14/2006	3/23/2006
082865-013A	Equip-HA-31006	Water	3/10/2006	3/14/2006	3/23/2006
082865-013B	Equip-HA-31006	Water	3/10/2006	3/14/2006	3/23/2006

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CASE NARRATIVE

The samples for EPA 8141 analysis were subcontracted to D-tek Analytical Laboratories, Inc. with ELAP Cert. 2344.

The samples for EPA 8151 analysis were subcontracted to Sierra Analytical Laboratories, Inc. with ELAP Cert. 2320.

Analytical Comments for EPA 6010B

RPD for Sample Duplicate (DUP) is outside criteria for sample 082867-006ADUP; however, the Laboratory Control Sample (LCS) validated the analytical batch.

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Date: 3/23/2006

LEAD BY ICP
EPA 6010B

CLIENT:	Ninyo & Moore	**Lab Order:**	082865
Project:	I-5 Expansion, 105812001	**Date Received**	3/14/2006 1:06:51 PM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
082865-001A	I5NB-ENC-HA52-1.0	3.4	mg/Kg	27160	1.0	1	3/10/2006	3/19/2006
082865-002A	I5NB-ENC-HA53-0.3	20	mg/Kg	27160	1.0	1	3/10/2006	3/19/2006
082865-003A	I5NB-ENC-HA54-0.6	21	mg/Kg	27160	1.0	1	3/10/2006	3/19/2006
082865-004A	I5NB-ENC-HA55-1.0	4.1	mg/Kg	27160	1.0	1	3/10/2006	3/19/2006
082865-005A	I5NB-ENC-HA56-0.3	2.7	mg/Kg	27160	1.0	1	3/10/2006	3/19/2006
082865-006A	I5NB-ENC-HA57-1.4	4.6	mg/Kg	27160	1.0	1	3/10/2006	3/19/2006
082865-007A	I5NB-ENC-HA58-0.6	1.8	mg/Kg	27160	1.0	1	3/10/2006	3/19/2006
082865-008A	I5NB-ENC-HA59-0.3	2.6	mg/Kg	27160	1.0	1	3/10/2006	3/19/2006
082865-009A	I5NB-ENC-HA60-1.0	1.6	mg/Kg	27160	1.0	1	3/10/2006	3/19/2006
082865-010A	I5NB-ENC-HA61-0.6	55	mg/Kg	27160	1.0	1	3/10/2006	3/19/2006
082865-011A	I5NB-ENC-HA62-1.0	3.2	mg/Kg	27160	1.0	1	3/10/2006	3/19/2006
082865-012A	I5NB-ENC-HA63-0.6	1.8	mg/Kg	27160	1.0	1	3/10/2006	3/19/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/23/2006

LEAD BY ICP
EPA 6010B

CLIENT:	Ninyo & Moore	**Lab Order:**	082865
Project:	I-5 Expansion, 105812001	**Date Received**	3/14/2006 1:06:51 PM
Project No:		**Matrix:**	Water
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
082865-013A	Equip-HA-31006	ND	mg/L	27115	0.25	1	3/10/2006	3/16/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/23/2006

pH
EPA 9045C

CLIENT:	Ninyo & Moore	**Lab Order:**	082865
Project:	I-5 Expansion, 105812001	**Date Received**	3/14/2006 1:06:51 PM
Project No:		**Matrix:**	Soil
Analyte:	pH	**Analyst:**	RSJ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
082865-004A	I5NB-ENC-HA55-1.0	5.9	pH Units	R60687	0.10	1	3/10/2006	3/15/2006
082865-012A	I5NB-ENC-HA63-0.6	6.3	pH Units	R60687	0.10	1	3/10/2006	3/15/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *23-Mar-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5NB-ENC-HA53-0.3
Lab Order:	082865	**Tag Number:**	
Project:	I-5 Expansion, 105812001	**Collection Date:**	3/10/2006 9:53:00 AM
Lab ID:	082865-002A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3550B				**EPA 8081A**		
RunID: GC10_060316B	QC Batch: 27122			PrepDate:	3/15/2006	Analyst: **CPC**
4,4´-DDD	ND	2.0		µg/Kg	1	3/17/2006 2:39:00 AM
4,4´-DDE	140	10		µg/Kg	5	3/17/2006 2:42:00 PM
4,4´-DDT	20	2.0		µg/Kg	1	3/17/2006 2:39:00 AM
Aldrin	ND	1.0		µg/Kg	1	3/17/2006 2:39:00 AM
alpha-BHC	ND	1.0		µg/Kg	1	3/17/2006 2:39:00 AM
alpha-Chlordane	1.3	1.0		µg/Kg	1	3/17/2006 2:39:00 AM
beta-BHC	ND	1.0		µg/Kg	1	3/17/2006 2:39:00 AM
Chlordane	20	8.5		µg/Kg	1	3/17/2006 2:39:00 AM
delta-BHC	ND	1.0		µg/Kg	1	3/17/2006 2:39:00 AM
Dieldrin	ND	2.0		µg/Kg	1	3/17/2006 2:39:00 AM
Endosulfan I	ND	1.0		µg/Kg	1	3/17/2006 2:39:00 AM
Endosulfan II	ND	2.0		µg/Kg	1	3/17/2006 2:39:00 AM
Endosulfan sulfate	ND	2.0		µg/Kg	1	3/17/2006 2:39:00 AM
Endrin	ND	2.0		µg/Kg	1	3/17/2006 2:39:00 AM
Endrin aldehyde	ND	2.0		µg/Kg	1	3/17/2006 2:39:00 AM
Endrin ketone	ND	2.0		µg/Kg	1	3/17/2006 2:39:00 AM
gamma-BHC	ND	1.0		µg/Kg	1	3/17/2006 2:39:00 AM
gamma-Chlordane	1.5	1.0		µg/Kg	1	3/17/2006 2:39:00 AM
Heptachlor	ND	1.0		µg/Kg	1	3/17/2006 2:39:00 AM
Heptachlor epoxide	ND	1.0		µg/Kg	1	3/17/2006 2:39:00 AM
Methoxychlor	ND	8.5		µg/Kg	1	3/17/2006 2:39:00 AM
Toxaphene	ND	85		µg/Kg	1	3/17/2006 2:39:00 AM
Surr: Decachlorobiphenyl	93.4	59-127		%REC	1	3/17/2006 2:39:00 AM
Surr: Tetrachloro-m-xylene	80.1	60-109		%REC	1	3/17/2006 2:39:00 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: *23-Mar-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5NB-ENC-HA58-0.6
Lab Order:	082865	**Tag Number:**	
Project:	I-5 Expansion, 105812001	**Collection Date:**	3/10/2006 11:06:00 AM
Lab ID:	082865-007A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
	EPA 3550B			**EPA 8081A**		
RunID: GC10_060316B	QC Batch: 27122			PrepDate:	3/15/2006	Analyst: **CPC**
4,4'-DDD	ND	2.0		µg/Kg	1	3/17/2006 3:22:00 AM
4,4'-DDE	ND	2.0		µg/Kg	1	3/17/2006 3:22:00 AM
4,4'-DDT	ND	2.0		µg/Kg	1	3/17/2006 3:22:00 AM
Aldrin	ND	1.0		µg/Kg	1	3/17/2006 3:22:00 AM
alpha-BHC	ND	1.0		µg/Kg	1	3/17/2006 3:22:00 AM
alpha-Chlordane	ND	1.0		µg/Kg	1	3/17/2006 3:22:00 AM
beta-BHC	ND	1.0		µg/Kg	1	3/17/2006 3:22:00 AM
Chlordane	ND	8.5		µg/Kg	1	3/17/2006 3:22:00 AM
delta-BHC	ND	1.0		µg/Kg	1	3/17/2006 3:22:00 AM
Dieldrin	ND	2.0		µg/Kg	1	3/17/2006 3:22:00 AM
Endosulfan I	ND	1.0		µg/Kg	1	3/17/2006 3:22:00 AM
Endosulfan II	ND	2.0		µg/Kg	1	3/17/2006 3:22:00 AM
Endosulfan sulfate	ND	2.0		µg/Kg	1	3/17/2006 3:22:00 AM
Endrin	ND	2.0		µg/Kg	1	3/17/2006 3:22:00 AM
Endrin aldehyde	ND	2.0		µg/Kg	1	3/17/2006 3:22:00 AM
Endrin ketone	ND	2.0		µg/Kg	1	3/17/2006 3:22:00 AM
gamma-BHC	ND	1.0		µg/Kg	1	3/17/2006 3:22:00 AM
gamma-Chlordane	ND	1.0		µg/Kg	1	3/17/2006 3:22:00 AM
Heptachlor	ND	1.0		µg/Kg	1	3/17/2006 3:22:00 AM
Heptachlor epoxide	ND	1.0		µg/Kg	1	3/17/2006 3:22:00 AM
Methoxychlor	ND	8.5		µg/Kg	1	3/17/2006 3:22:00 AM
Toxaphene	ND	85		µg/Kg	1	3/17/2006 3:22:00 AM
Surr: Decachlorobiphenyl	93.4	59-127		%REC	1	3/17/2006 3:22:00 AM
Surr: Tetrachloro-m-xylene	90.3	60-109		%REC	1	3/17/2006 3:22:00 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *23-Mar-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	Equip-HA-31006
Lab Order:	082865	**Tag Number:**	
Project:	I-5 Expansion, 105812001	**Collection Date:**	3/10/2006 1:00:00 PM
Lab ID:	082865-013B	**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3510C				**EPA 8081A**		
RunID: GC10_060315A	QC Batch: 27096			PrepDate:	3/14/2006	Analyst: **CPC**
4,4'-DDD	ND	0.050		µg/L	1	3/15/2006 2:48:00 PM
4,4'-DDE	ND	0.050		µg/L	1	3/15/2006 2:48:00 PM
4,4'-DDT	ND	0.050		µg/L	1	3/15/2006 2:48:00 PM
Aldrin	ND	0.025		µg/L	1	3/15/2006 2:48:00 PM
alpha-BHC	ND	0.025		µg/L	1	3/15/2006 2:48:00 PM
alpha-Chlordane	ND	0.025		µg/L	1	3/15/2006 2:48:00 PM
beta-BHC	ND	0.025		µg/L	1	3/15/2006 2:48:00 PM
Chlordane	ND	0.25		µg/L	1	3/15/2006 2:48:00 PM
delta-BHC	ND	0.025		µg/L	1	3/15/2006 2:48:00 PM
Dieldrin	ND	0.050		µg/L	1	3/15/2006 2:48:00 PM
Endosulfan I	ND	0.025		µg/L	1	3/15/2006 2:48:00 PM
Endosulfan II	ND	0.050		µg/L	1	3/15/2006 2:48:00 PM
Endosulfan sulfate	ND	0.050		µg/L	1	3/15/2006 2:48:00 PM
Endrin	ND	0.050		µg/L	1	3/15/2006 2:48:00 PM
Endrin aldehyde	ND	0.050		µg/L	1	3/15/2006 2:48:00 PM
Endrin ketone	ND	0.050		µg/L	1	3/15/2006 2:48:00 PM
gamma-BHC	ND	0.025		µg/L	1	3/15/2006 2:48:00 PM
gamma-Chlordane	ND	0.025		µg/L	1	3/15/2006 2:48:00 PM
Heptachlor	ND	0.025		µg/L	1	3/15/2006 2:48:00 PM
Heptachlor epoxide	ND	0.025		µg/L	1	3/15/2006 2:48:00 PM
Methoxychlor	ND	0.25		µg/L	1	3/15/2006 2:48:00 PM
Toxaphene	ND	2.5		µg/L	1	3/15/2006 2:48:00 PM
Surr: Decachlorobiphenyl	51.4	25-123		%REC	1	3/15/2006 2:48:00 PM
Surr: Tetrachloro-m-xylene	74.6	43-119		%REC	1	3/15/2006 2:48:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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CLIENT: Ninyo & Moore
Work Order: 082865
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **MB-27160A** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/17/2006** RunNo: **61047**
Client ID: **PBS** Batch ID: **27160** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/19/2006** SeqNo: **903768**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID: **LCS-27160** SampType: **LCS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/17/2006** RunNo: **61047**
Client ID: **LCSS** Batch ID: **27160** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/19/2006** SeqNo: **903769**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	260	1.0	250.0	0.4005	104	80	120				

Sample ID: **082865-010ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/17/2006** RunNo: **61047**
Client ID: **I5NB-ENC-HA61-0.6** Batch ID: **27160** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/19/2006** SeqNo: **903780**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	62	1.0						55.25	12.0	20	

Sample ID: **082865-010AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/17/2006** RunNo: **61047**
Client ID: **I5NB-ENC-HA61-0.6** Batch ID: **27160** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/19/2006** SeqNo: **903781**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	260	1.0	250.0	55.25	81.0	31	122				

Sample ID: **MB-27160B** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/17/2006** RunNo: **61047**
Client ID: **PBS** Batch ID: **27160** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/19/2006** SeqNo: **903782**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 082865
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **082867-006ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/17/2006** RunNo: **61047**
Client ID: **ZZZZZZ** Batch ID: **27160** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/19/2006** SeqNo: **903791**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	6.2	1.0						4.915	23.6	20	R

Sample ID: **082867-006AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/17/2006** RunNo: **61047**
Client ID: **ZZZZZZ** Batch ID: **27160** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/19/2006** SeqNo: **903792**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	230	1.0	250.0	4.915	91.8	31	122				

Sample ID: **082867-006AMSD** SampType: **MSD** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/17/2006** RunNo: **61047**
Client ID: **ZZZZZZ** Batch ID: **27160** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/19/2006** SeqNo: **903793**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	220	1.0	250.0	4.915	85.1	31	122	234.4	7.44	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 082865
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_WPB

Sample ID: **MB-27115** SampType: **MBLK** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/15/2006** RunNo: **60737**
Client ID: **PBW** Batch ID: **27115** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/16/2006** SeqNo: **898375**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-27115** SampType: **LCS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/15/2006** RunNo: **60737**
Client ID: **LCSW** Batch ID: **27115** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/16/2006** SeqNo: **898376**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.92	0.25	1.000	0	92.5	85	115				

Sample ID: **082809-014ADUP** SampType: **DUP** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/15/2006** RunNo: **60737**
Client ID: **ZZZZZZ** Batch ID: **27115** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/16/2006** SeqNo: **898379**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25						0	0	20	

Sample ID: **082809-014AMS** SampType: **MS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/15/2006** RunNo: **60737**
Client ID: **ZZZZZZ** Batch ID: **27115** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/16/2006** SeqNo: **898380**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.7	0.25	2.500	0	110	78	118				

Sample ID: **082809-014AMSD** SampType: **MSD** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/15/2006** RunNo: **60737**
Client ID: **ZZZZZZ** Batch ID: **27115** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/16/2006** SeqNo: **898381**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.7	0.25	2.500	0	107	78	118	2.744	2.94	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **MB-27122** SampType: **MBLK** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/15/2006** RunNo: **60741**
Client ID: **PBS** Batch ID: **27122** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/16/2006** SeqNo: **898434**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	ND	2.0									
4,4'-DDE	ND	2.0									
4,4'-DDT	ND	2.0									
Aldrin	ND	1.0									
alpha-BHC	ND	1.0									
alpha-Chlordane	ND	1.0									
beta-BHC	ND	1.0									
Chlordane	ND	8.5									
delta-BHC	ND	1.0									
Dieldrin	ND	2.0									
Endosulfan I	ND	1.0									
Endosulfan II	ND	2.0									
Endosulfan sulfate	ND	2.0									
Endrin	ND	2.0									
Endrin aldehyde	ND	2.0									
Endrin ketone	ND	2.0									
gamma-BHC	ND	1.0									
gamma-Chlordane	ND	1.0									
Heptachlor	ND	1.0									
Heptachlor epoxide	ND	1.0									
Methoxychlor	ND	8.5									
Toxaphene	ND	85									
Surr: Tetrachloro-m-xylene	15		16.65		89.7	60	109				
Surr: Decachlorobiphenyl	16		16.65		96.2	59	127				

Sample ID: **LCS-27122** SampType: **LCS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/15/2006** RunNo: **60741**
Client ID: **LCSS** Batch ID: **27122** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/16/2006** SeqNo: **898435**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	20	2.0	16.65	0	122	75	128				
Aldrin	19	1.0	16.65	0	113	80	124				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
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CLIENT: Ninyo & Moore
Work Order: 082865
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **LCS-27122** SampType: **LCS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/15/2006** RunNo: **60741**
Client ID: **LCSS** Batch ID: **27122** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/16/2006** SeqNo: **898435**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dieldrin	19	2.0	16.65	0	116	82	121				
Endrin	22	2.0	16.65	0	133	79	141				
gamma-BHC	20	1.0	16.65	0	118	84	122				
Heptachlor	20	1.0	16.65	0	123	74	136				
Surr: Tetrachloro-m-xylene	15		16.65		91.4	60	109				
Surr: Decachlorobiphenyl	17		16.65		99.9	59	127				

Sample ID: **082785-040AMS** SampType: **MS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/15/2006** RunNo: **60741**
Client ID: **ZZZZZZ** Batch ID: **27122** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/16/2006** SeqNo: **898436**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	20	2.0	16.65	0	117	64	165				
Aldrin	18	1.0	16.65	0	109	68	135				
Dieldrin	18	2.0	16.65	0	111	48	165				
Endrin	22	2.0	16.65	0	133	60	186				
gamma-BHC	19	1.0	16.65	0	112	70	134				
Heptachlor	20	1.0	16.65	0	120	73	152				
Surr: Tetrachloro-m-xylene	14		16.65		84.2	60	109				
Surr: Decachlorobiphenyl	15		16.65		89.7	59	127				

Sample ID: **082785-040AMSD** SampType: **MSD** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/15/2006** RunNo: **60741**
Client ID: **ZZZZZZ** Batch ID: **27122** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/16/2006** SeqNo: **898437**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	19	2.0	16.65	0	116	64	165	19.56	1.32	30	
Aldrin	18	1.0	16.65	0	106	68	135	18.10	2.36	30	
Dieldrin	18	2.0	16.65	0	108	48	165	18.44	2.05	30	
Endrin	22	2.0	16.65	0	131	60	186	22.13	1.74	30	
gamma-BHC	18	1.0	16.65	0	110	70	134	18.67	1.82	30	
Heptachlor	20	1.0	16.65	0	118	73	152	19.94	1.52	30	
Surr: Tetrachloro-m-xylene	14		16.65		83.0	60	109		0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 082865
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **082785-040AMSD** SampType: **MSD** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/15/2006** RunNo: **60741**
Client ID: **ZZZZZZ** Batch ID: **27122** TestNo: **EPA 8081A EPA 3550B** Analysis Date: **3/16/2006** SeqNo: **898437**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Decachlorobiphenyl	15		16.65		87.9	59	127		0	30	

Sample ID: **082865-002ADUP** SampType: **DUP** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/15/2006** RunNo: **60741**
Client ID: **I5NB-ENC-HA53-0.3** Batch ID: **27122** TestNo: **EPA 8081A EPA 3550B** Analysis Date: **3/17/2006** SeqNo: **898450**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4'-DDD	ND	4.0						0	0	0	
2,4'-DDE	ND	4.0						0	0	0	
2,4'-DDT	ND	4.0						0	0	0	
4,4'-DDD	ND	2.0						0	0	30	
4,4'-DDT	21	2.0						20.38	3.11	30	
Aldrin	ND	1.0						0	0	30	
alpha-BHC	ND	1.0						0	0	30	
alpha-Chlordane	1.1	1.0						1.301	20.3	30	
beta-BHC	ND	1.0						0	0	30	
Chlordane	19	8.5						20.14	6.36	30	
Chlorothalonil	ND	2.0						0	0	30	
delta-BHC	ND	1.0						0	0	30	
Dieldrin	ND	2.0						0	0	30	
Endosulfan I	ND	1.0						0	0	30	
Endosulfan II	ND	2.0						0	0	30	
Endosulfan sulfate	ND	2.0						0	0	30	
Endrin	ND	2.0						0	0	30	
Endrin aldehyde	ND	2.0						0	0	30	
Endrin ketone	ND	2.0						0	0	30	
gamma-BHC	ND	1.0						0	0	30	
gamma-Chlordane	1.5	1.0						1.520	1.44	30	
Heptachlor	ND	1.0						0	0	30	
Heptachlor epoxide	ND	1.0						0	0	30	
Methoxychlor	ND	8.5						0	0	30	
Toxaphene	ND	85						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 082865
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **082865-002ADUP** SampType: **DUP** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/15/2006** RunNo: **60741**
Client ID: **I5NB-ENC-HA53-0.3** Batch ID: **27122** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/17/2006** SeqNo: **898450**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Tetrachloro-m-xylene	14		16.65		84.7	60	109		0	0	
Surr: Decachlorobiphenyl	16		16.62		94.5	59	127		0	0	

Sample ID: **MB-27122** SampType: **MBLK** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/15/2006** RunNo: **60741**
Client ID: **PBS** Batch ID: **27122** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/17/2006** SeqNo: **898638**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	ND	2.0									
4,4'-DDE	ND	2.0									
4,4'-DDT	ND	2.0									
Aldrin	ND	1.0									
alpha-BHC	ND	1.0									
alpha-Chlordane	ND	1.0									
beta-BHC	ND	1.0									
Chlordane	ND	8.5									
delta-BHC	ND	1.0									
Dieldrin	ND	2.0									
Endosulfan I	ND	1.0									
Endosulfan II	ND	2.0									
Endosulfan sulfate	ND	2.0									
Endrin	ND	2.0									
Endrin aldehyde	ND	2.0									
Endrin ketone	ND	2.0									
gamma-BHC	ND	1.0									
gamma-Chlordane	ND	1.0									
Heptachlor	ND	1.0									
Heptachlor epoxide	ND	1.0									
Methoxychlor	ND	8.5									
Toxaphene	ND	85									
Surr: Tetrachloro-m-xylene	15		16.65		91.2	60	109				
Surr: Decachlorobiphenyl	16		16.65		96.4	59	127				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 082865
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **LCS-27122** SampType: **LCS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/15/2006** RunNo: **60741**
Client ID: **LCSS** Batch ID: **27122** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/17/2006** SeqNo: **898639**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	20	2.0	16.65	0	120	75	128				
Aldrin	19	1.0	16.65	0	114	80	124				
Dieldrin	19	2.0	16.65	0	116	82	121				
Endrin	21	2.0	16.65	0	129	79	141				
gamma-BHC	20	1.0	16.65	0	119	84	122				
Heptachlor	20	1.0	16.65	0	122	74	136				
Surr: Tetrachloro-m-xylene	15		16.65		92.0	60	109				
Surr: Decachlorobiphenyl	17		16.65		99.2	59	127				

Sample ID: **082865-002ADUP** SampType: **DUP** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/15/2006** RunNo: **60741**
Client ID: **I5NB-ENC-HA53-0.3** Batch ID: **27122** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/17/2006** SeqNo: **898641**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDE	150	10						135.6	13.0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 082865
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_W

Sample ID: **MB-27096**	SampType: **MBLK**	TestCode: **8081_W**	Units: **µg/L**	Prep Date: **3/14/2006**	RunNo: **60586**
Client ID: **PBW**	Batch ID: **27096**	TestNo: **EPA 8081A**	**EPA 3510C**	Analysis Date: **3/15/2006**	SeqNo: **896415**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	ND	0.050									
4,4'-DDE	ND	0.050									
4,4'-DDT	ND	0.050									
Aldrin	ND	0.025									
alpha-BHC	ND	0.025									
alpha-Chlordane	ND	0.025									
beta-BHC	ND	0.025									
Chlordane	ND	0.25									
delta-BHC	ND	0.025									
Dieldrin	ND	0.050									
Endosulfan I	ND	0.025									
Endosulfan II	ND	0.050									
Endosulfan sulfate	ND	0.050									
Endrin	ND	0.050									
Endrin aldehyde	ND	0.050									
Endrin ketone	ND	0.050									
gamma-BHC	ND	0.025									
gamma-Chlordane	ND	0.025									
Heptachlor	ND	0.025									
Heptachlor epoxide	ND	0.025									
Methoxychlor	ND	0.25									
Toxaphene	ND	2.5									
Surr: Tetrachloro-m-xylene	0.43		0.5000		85.7	43	119				
Surr: Decachlorobiphenyl	0.38		0.5000		75.7	25	123				

Sample ID: **LCS-27096**	SampType: **LCS**	TestCode: **8081_W**	Units: **µg/L**	Prep Date: **3/14/2006**	RunNo: **60586**
Client ID: **LCSW**	Batch ID: **27096**	TestNo: **EPA 8081A**	**EPA 3510C**	Analysis Date: **3/15/2006**	SeqNo: **896416**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	0.48	0.050	0.5000	0	95.2	72	125				
Aldrin	0.54	0.025	0.5000	0	108	74	120				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 082865
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_W

Sample ID: LCS-27096	SampType: LCS	TestCode: 8081_W	Units: µg/L	Prep Date: 3/14/2006	RunNo: 60586
Client ID: LCSW	Batch ID: 27096	TestNo: EPA 8081A	EPA 3510C	Analysis Date: 3/15/2006	SeqNo: 896416

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dieldrin	0.52	0.050	0.5000	0	105	76	118				
Endrin	0.59	0.050	0.5000	0	119	83	124				
gamma-BHC	0.57	0.025	0.5000	0	115	79	120				
Heptachlor	0.56	0.025	0.5000	0	111	66	137				
Surr: Tetrachloro-m-xylene	0.43		0.5000		86.3	43	119				
Surr: Decachlorobiphenyl	0.38		0.5000		75.9	25	123				

Sample ID: MB-27096MS	SampType: MS	TestCode: 8081_W	Units: µg/L	Prep Date: 3/14/2006	RunNo: 60586
Client ID: ZZZZZZ	Batch ID: 27096	TestNo: EPA 8081A	EPA 3510C	Analysis Date: 3/15/2006	SeqNo: 896418

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	0.50	0.050	0.5000	0	100	72	125				
Aldrin	0.58	0.025	0.5000	0	115	74	120				
Dieldrin	0.56	0.050	0.5000	0	113	76	118				
Endrin	0.60	0.050	0.5000	0	120	83	124				
gamma-BHC	0.60	0.025	0.5000	0	120	79	120				
Heptachlor	0.60	0.025	0.5000	0	119	66	137				
Surr: Tetrachloro-m-xylene	0.44		0.5000		87.7	43	119				
Surr: Decachlorobiphenyl	0.38		0.5000		76.1	25	123				

Sample ID: MB-27096MSD	SampType: MSD	TestCode: 8081_W	Units: µg/L	Prep Date: 3/14/2006	RunNo: 60586
Client ID: ZZZZZZ	Batch ID: 27096	TestNo: EPA 8081A	EPA 3510C	Analysis Date: 3/15/2006	SeqNo: 896419

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	0.49	0.050	0.5000	0	98.0	72	125	0.5005	2.07	30	
Aldrin	0.57	0.025	0.5000	0	114	74	120	0.5750	1.15	30	
Dieldrin	0.56	0.050	0.5000	0	111	76	118	0.5634	1.48	30	
Endrin	0.61	0.050	0.5000	0	123	83	124	0.5980	2.77	30	
gamma-BHC	0.59	0.025	0.5000	0	118	79	120	0.5985	1.34	30	
Heptachlor	0.59	0.025	0.5000	0	117	66	137	0.5974	1.70	30	
Surr: Tetrachloro-m-xylene	0.42		0.5000		85.0	43	119		0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 082865
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_W

Sample ID: **MB-27096MSD** SampType: **MSD** TestCode: **8081_W** Units: **µg/L** Prep Date: **3/14/2006** RunNo: **60586**
Client ID: **ZZZZZZ** Batch ID: **27096** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **3/15/2006** SeqNo: **896419**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Decachlorobiphenyl	0.39		0.5000		78.2	25	123		0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 082865
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID: **082810-007ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: RunNo: **60687**
Client ID: **ZZZZZZ** Batch ID: **R60687** TestNo: **EPA 9045C** Analysis Date: **3/15/2006** SeqNo: **897755**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	4.2	0.10						4.500	7.85	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

CHAIN OF CUSTODY RECORD

Pg ____ of ____

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: ____

Logged By: Andrew Lashomb Date: 3/10/06 3-10-06

Method of Transport: Client ☐ ATL ☒ CA OverN ☐ FEDEX ☐ Other: ____

Sample Condition Upon Receipt
1. CHILLED 4.2°C Y☒ N☐ 4. SEALED Y☐ N☒
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☒ N☐
3. CONTAINER INTACT Y☒ N☐ 6. PRESERVED Y☐ N☒

Client: CalTRANS
Attn: Scott Snyder
Address: 5710 Ruffin Rd
City San Diego State CA Zip Code 92123
TEL: (858) 576-1000
FAX: (858) 576-9600

Project Name: I-5 Expansion Project #: 105812001 Sampler: (Printed Name) Matt Fuller (Signature)

Relinquished by: (Signature and Printed Name)	Date	Time	Received by: (Signature and Printed Name)	Date	Time
Matt Fuller	3-10-06			3-14-06	9:00
	3-14-05	12:20p		03/14/06	1220

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Scott Snyder (Print Name) 3/10/06 (Date) by ____ (Signature)

Send Report To: Attn: Scott Snyder Co: Nuyo & Moore Address 5710 Ruffin Rd City SD State CA Zip 92123

Bill To: Attn: same as Co: ← Address ____ City ____ State ____ Zip ____

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested: 8081A (Pesticides), 8082 (PCB), 8260B (Volatiles), 8270C (BNA), 6010B (Total Metal), 8015B (GRO) / 8020 (BTEX), 8015B (DRO), 8021 (BTEX), TITLE 22 / CAM 17 (6010 / 7000), 8141 - Organophosphorus Pesticides, 8151 - Herbicides, pH, Total Lead

SPECIFY APPROPRIATE MATRIX: SOIL, WATER, GROUND WATER, WASTEWATER

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A	8082	8260B	8270C	6010B	8015B (GRO)	8015B (DRO)	8021	TITLE 22	8141	8151	pH	Total Lead	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Type	PRESERVATION	REMARKS
	082505-001 ISNB-ENC	~~105812001~~-HA52-1.0	3/10/06	09:34												X						E	1	J	G	C
	-002 ISNB-ENC	~~105812001~~-HA53-0.3	3/10/06	09:53	X									X	X	X						E	2	J	G	C
	-003 ISNB-ENC	~~105812001~~-HA54-0.6	3/10/06	10:07												X						E	1	J	G	C
	-004	ISNB-ENC-HA55-1.0	3/10/06	10:16											X	X						E	1	J	G	C
	-005	ISNB-ENC-HA56-0.3	3/10/06	10:34												X						E	1	J	G	C
	-006	ISNB-ENC-HA57-1.4	3/10/06	10:52												X						E	1	J	G	C
	-007	ISNB-ENC-HA58-0.6	3/10/06	11:06	X									X	X	X						E	1	J	G	C
	-008	ISNB-ENC-HA59-0.3	3/10/06	11:20												X						E	1	J	G	C
	-009	ISNB-ENC-HA60-1.0	3/10/06	11:30												X						E	1	J	G	C
	-010	ISNB-ENC-HA61-0.6	3/10/06	11:43												X						E	1	J	G	C

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

CHAIN OF CUSTODY RECORD

Pg ____ of ____

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: ____

Logged By: ~~Andrew Ashlane~~ Date: ~~3/10/06~~ 3-10-06

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other: ____

Sample Condition Upon Receipt:
1. CHILLED 4/20C Y☑ N☐ 4. SEALED Y☐ N☑
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☑ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☐ N☑

Client: CALTRANS
Attn: SCOTT SNYDER
Address: 5710 RUFFIN RD
City: SAN DIEGO State: CA Zip Code: 92123
TEL: (858) 576-1000
FAX: ( )

Project Name: CALTRANS I5 EXPANSION Project #: 105812001
Sampler: (Printed Name) MATT FULLER (Signature)

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
MATT FULLER				3-14-06	7:00 am
	3-14-06	12:20 pm		03/14/06	pm

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: SCOTT SNYDER 3/10/06
Print Name Date
by Chris L Signature

Send Report To:
Attn: Nimyo & Moore
Co: Scott Snyder
Address: 5710 Ruffin Rd
City: SD State: CA Zip: 92123

Bill To:
Attn: SAME as
Co: ←
Address: ____
City: ____ State: ____ Zip: ____

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	8141 Pesticides	8151 Herbicides	pH	Total Lead	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	082805-011	~~I5~~ NB-ENC-HA62-1.0	3/10/06	11:50													X					E	1	G C	1	
	-012	I5NB-ENC-HA63-0.6	3/10/06	12:00												X	X					E	1	G C	1	
	-013	Equip-HA-31006	3/10/06	13:00													X					E	1	P/G	1/1	
	-013	Equip-HA-31006	3/10/06	13:00	X								X	X								E	1	L G	C	

SPECIFY APPROPRIATE MATRIX

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

Advanced Technology Labs	Project:	NA	
3275 Walnut Avenue	Project Number:	PO# SC00442	**Reported:**
Signal Hill CA, 90755	Project Manager:	Rachelle Arada	03/27/06 14:11

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
082865-002C / 15NB-ENC-HA53-0.3	0603393-01	Soil	03/10/06 09:53	03/16/06 08:00
082865-007C / 15NB-ENC-HA58-0.6	0603393-02	Soil	03/10/06 11:06	03/16/06 08:00

CASE NARRATIVE

SAMPLE RECEIPT:	Samples were received intact, at 4 °C, and accompanied by chain of custody documentation.
PRESERVATION:	Samples requiring preservation were verified prior to sample preparation and analysis.
HOLDING TIMES:	All holding times were met, unless otherwise noted in the report with data qualifiers.
QA/QC CRITERIA:	All quality objective criteria were met, except as noted in the report with data qualifiers.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Labs	Project: NA	
3275 Walnut Avenue	Project Number: PO# SC00442	**Reported:**
Signal Hill CA, 90755	Project Manager: Rachelle Arada	03/27/06 14:11

Chlorinated Herbicides by EPA Method 8151A

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
082865-002C / 15NB-ENC-HA53-0.3 (0603393-01) Soil Sampled: 03/10/06 09:53 Received: 03/16/06 08:00									
2,4,5-T	ND	1.6	µg/kg	1	B6C2415	03/22/06	03/23/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*60.7 %*	*35-150*		*"*	*"*	*"*	*"*	
082865-007C / 15NB-ENC-HA58-0.6 (0603393-02) Soil Sampled: 03/10/06 11:06 Received: 03/16/06 08:00									
2,4,5-T	ND	1.6	µg/kg	1	B6C2415	03/22/06	03/22/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*56.5 %*	*35-150*		*"*	*"*	*"*	*"*	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Labs	Project:	NA	
3275 Walnut Avenue	Project Number:	PO# SC00442	**Reported:**
Signal Hill CA, 90755	Project Manager:	Rachelle Arada	03/27/06 14:11

Chlorinated Herbicides by EPA Method 8151A - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6C2415 - EPA 3550B Solid Ext										
Blank (B6C2415-BLK1)				Prepared & Analyzed: 03/22/06						
2,4,5-T	ND	1.6	µg/kg							
2,4,5-TP (Silvex)	ND	1.6	"							
2,4-D	ND	1.6	"							
2,4-DB	ND	4.0	"							
3,5-Dichlorobenzoic acid	ND	2.0	"							
4-Nitrophenol	ND	2.0	"							
Acifluorfen	ND	1.6	"							
Bentazon	ND	1.6	"							
Chloramben	ND	1.6	"							
Dalapon	ND	20	"							
DCPA diacid	ND	1.6	"							
Dicamba	ND	1.6	"							
Dichlorprop	ND	1.6	"							
Dinoseb	ND	1.6	"							
Pentachlorophenol	ND	1.6	"							
Picloram	ND	1.6	"							
Surrogate: 2,4-Dichlorophenylacetic Acid	*65.3*		*"*	*100*		*65.3*	*35-150*			
LCS (B6C2415-BS1)				Prepared & Analyzed: 03/22/06						
2,4,5-T	5.68	1.6	µg/kg	10.0		56.8	20-150			
2,4,5-TP (Silvex)	8.31	1.6	"	10.0		83.1	20-150			
Dinoseb	6.60	1.6	"	10.0		66.0	20-150			
LCS (B6C2415-BS2)				Prepared & Analyzed: 03/22/06						
2,4,5-T	5.51	1.6	µg/kg	10.0		55.1	20-150			
2,4,5-TP (Silvex)	8.14	1.6	"	10.0		81.4	20-150			
Dinoseb	6.46	1.6	"	10.0		64.6	20-150			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653
TELEPHONE: (949) 348-9389 FAX: (949) 348-9115
E-MAIL: SIERRALABS @ SIERRALABS.NET

Advanced Technology Labs	Project: NA	
3275 Walnut Avenue	Project Number: PO# SC00442	**Reported:**
Signal Hill CA, 90755	Project Manager: Rachelle Arada	03/27/06 14:11

Chlorinated Herbicides by EPA Method 8151A - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6C2415 - EPA 3550B Solid Ext										
LCS Dup (B6C2415-BSD1)				Prepared & Analyzed: 03/22/06						
2,4,5-T	5.60	1.6	µg/kg	10.0		56.0	20-150	1.42	30	
2,4,5-TP (Silvex)	8.20	1.6	"	10.0		82.0	20-150	1.33	30	
Dinoseb	6.53	1.6	"	10.0		65.3	20-150	1.07	30	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Labs	Project:	NA	
3275 Walnut Avenue	Project Number:	PO# SC00442	**Reported:**
Signal Hill CA, 90755	Project Manager:	Rachelle Arada	03/27/06 14:11

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

May 11, 2006

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 082865

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

RE: I-5 Expansion, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on March 14, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: *11-May-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5NB-ENC-HA61-0.6
Lab Order:	082865	**Tag Number:**	
Project:	I-5 Expansion, 105812001	**Collection Date:**	3/10/2006 11:43:00 AM
Lab ID:	082865-010A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
LEAD BY ATOMIC ABSORPTION						
			WET DI/ EPA 7420			
RunID: AA2_060508D	QC Batch: R63076			PrepDate:		Analyst: **NS**
Lead	0.35	0.25		mg/L	1	5/8/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *11-May-06*

CLIENT: Ninyo & Moore
Work Order: 082865
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID: **083019-012A-DUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **ZZZZZZ** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932882**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25						0	0	20	

Sample ID: **083019-012AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **ZZZZZZ** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932883**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.37	0.25	5.000	0	107	70	130				

Sample ID: **MB-27867B** SampType: **MBLK** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **PBS** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932884**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **MB-27867** SampType: **MBLK** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **PBS** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932892**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **083252-010A-DUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **ZZZZZZ** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932896**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.55	0.25						2.130	17.8	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 082865
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID: **083252-010AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **ZZZZZZ** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932897**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.21	0.25	5.000	2.130	102	70	130				

Sample ID: **083252-010AMSD** SampType: **MSD** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **ZZZZZZ** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932898**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.22	0.25	5.000	2.130	102	70	130	7.209	0.138	20	

Sample ID: **MB-27867A** SampType: **MBLK** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **PBS** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932899**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **LCS-27867** SampType: **LCS** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **LCSS** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932900**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.05	0.25	5.000	0	101	80	120				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Rachelle Arada

From: Scott Snyder [ssnyder@ninyoandmoore.com]
Sent: Tuesday, May 02, 2006 9:04 AM
To: Rachelle Arada
Subject: FW: additional analyses

Rachelle,

For the samples listed below, I am also looking for a WET analysis using deionized water as the extractant instead of whatever it is you normally use for the WET method. You already ran the standard WET test, but now I need deionized water used. What is the extractant that is normally use for the WET test? Is it citric acid?

Thanks,
Scott

I5NB-ENC-HA51-0.3
I5NB-ENC-HA61-0.6
I5NB-LEU-HA76-0.3
I5NB-LOC-HA93-0.6
I5NB-PO1-HA102-0.6
I5NB-PO1-HA104-0.3
I5NB-P01-HA107-0.6
I5NB-PAL-HA113-0.3
I5NB-PAL-HA114-0.3
I5NB-CAN-HA118-0.3
I5NB-CAN-HA122-1.0
I5NB-CAS-HA142-0.3
I5NB-VIS-HA151-0.3
I5NB-VIS-HA152-0.3

Scott Snyder, PG, HG
Senior Hydrogeologist
Ninyo & Moore
5710 Ruffin Road
San Diego, California 92122
858.576.1000 x1255

April 13, 2006

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 082865

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

RE: I-5 Expansion, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on March 14, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

CLIENT: Ninyo & Moore
Project: I-5 Expansion, 105812001
Lab Order: 082865

CASE NARRATIVE

Analytical Comments for EPA 7420

RPD for Sample Duplicate (DUP) is outside criteria for sample 083197-021ADUP; however, the Laboratory Control Sample (LCS) validated the analytical batch.

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Date: 4/13/2006

LEAD BY ATOMIC ABSORPTION WET/ EPA 7420

CLIENT:	Ninyo & Moore	**Lab Order:**	082865
Project:	I-5 Expansion, 105812001	**Date Received**	3/14/2006 1:06:51 PM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
082865-010A	I5NB-ENC-HA61-0.6	5.1	mg/L	R61866	0.25	1	3/10/2006	4/10/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 082865
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **MB-27480A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **PBS** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915726**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **083019-012A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **ZZZZZZ** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915737**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	26	0.75						25.09	3.99	20	

Sample ID: **083019-012AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **ZZZZZZ** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915739**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	29	1.0	5.000	25.09	74.9	70	130				

Sample ID: **MB-27480** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **PBS** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915740**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **MB-27480B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **PBS** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915741**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 082865
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **LCS-27480** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **LCSS** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915742**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.4	0.25	5.000	0	108	80	120				

Sample ID: **083197-021A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **ZZZZZZ** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915753**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	13	0.50						6.794	64.7	20	R

Sample ID: **083197-021AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **ZZZZZZ** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915754**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12	0.50	5.000	6.794	97.1	70	130				

Sample ID: **083197-021AMSD** SampType: **MSD** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **ZZZZZZ** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915755**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12	0.50	5.000	6.794	97.6	70	130	11.65	0.228	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Rachelle Arada

From: Scott Snyder [ssnyder@ninyoandmoore.com]
Sent: Wednesday, April 05, 2006 4:45 PM
To: Rachelle Arada
Subject: additional analyses

Rachelle,

I need some additional analyses on the hand auger samples for Caltrans for leachable lead.

STLC (WET):

I5NB-ENC-HA51-0.3
I5NB-ENC-HA61-0.6
I5NB-LEU-HA76-0.3
I5NB-LOC-HA93-0.6
I5NB-PO1-HA102-0.6
I5NB-PO1-HA104-0.3
I5NB-P01-HA107-0.6
I5NB-PAL-HA113-0.3
I5NB-PAL-HA114-0.3
I5NB-CAN-HA118-0.3
I5NB-CAN-HA122-1.0
I5NB-CAS-HA142-0.3
I5NB-VIS-HA151-0.3
I5NB-VIS-HA152-0.3

TCLP:

I5NB-ENC-HA51-0.3
I5NB-LEU-HA76-0.3
I5NB-LOC-HA93-0.6
I5NB-PO1-HA104-0.3
I5NB-PAL-HA113-0.3
I5NB-CAN-HA118-0.3
I5NB-CAN-HA122-1.0
I5NB-CAS-HA142-0.3
I5NB-VIS-HA152-0.3

If you have any questions about these additional analyses, please do not hesitate to call or email.

Thanks,
Scott

Scott Snyder, PG, HG
Senior Hydrogeologist
Ninyo & Moore
5710 Ruffin Road
San Diego, California 92122
858.576.1000 x1255

April 05, 2006

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 082865

RE: I-5 Expansion, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on March 14, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

for Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: *05-Apr-06*

CLIENT: Ninyo & Moore
Project: I-5 Expansion, 105812001
Lab Order: 082865
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
082865-001A	I5NB-ENC-HA52-1.0	Soil	3/10/2006	3/14/2006	4/5/2006
082865-001B	I5NB-ENC-HA52-1.0	Soil	3/10/2006	3/14/2006	4/5/2006
082865-001C	I5NB-ENC-HA52-1.0	Soil	3/10/2006	3/14/2006	4/5/2006
082865-002A	I5NB-ENC-HA53-0.3	Soil	3/10/2006	3/14/2006	4/5/2006
082865-002B	I5NB-ENC-HA53-0.3	Soil	3/10/2006	3/14/2006	4/5/2006
082865-002C	I5NB-ENC-HA53-0.3	Soil	3/10/2006	3/14/2006	4/5/2006
082865-003A	I5NB-ENC-HA54-0.6	Soil	3/10/2006	3/14/2006	4/5/2006
082865-004A	I5NB-ENC-HA55-1.0	Soil	3/10/2006	3/14/2006	4/5/2006
082865-005A	I5NB-ENC-HA56-0.3	Soil	3/10/2006	3/14/2006	4/5/2006
082865-006A	I5NB-ENC-HA57-1.4	Soil	3/10/2006	3/14/2006	4/5/2006
082865-006B	I5NB-ENC-HA57-1.4	Soil	3/10/2006	3/14/2006	4/5/2006
082865-006C	I5NB-ENC-HA57-1.4	Soil	3/10/2006	3/14/2006	4/5/2006
082865-007A	I5NB-ENC-HA58-0.6	Soil	3/10/2006	3/14/2006	4/5/2006
082865-007B	I5NB-ENC-HA58-0.6	Soil	3/10/2006	3/14/2006	4/5/2006
082865-007C	I5NB-ENC-HA58-0.6	Soil	3/10/2006	3/14/2006	4/5/2006
082865-008A	I5NB-ENC-HA59-0.3	Soil	3/10/2006	3/14/2006	4/5/2006
082865-008B	I5NB-ENC-HA59-0.3	Soil	3/10/2006	3/14/2006	4/5/2006
082865-008C	I5NB-ENC-HA59-0.3	Soil	3/10/2006	3/14/2006	4/5/2006
082865-009A	I5NB-ENC-HA60-1.0	Soil	3/10/2006	3/14/2006	4/5/2006
082865-009B	I5NB-ENC-HA60-1.0	Soil	3/10/2006	3/14/2006	4/5/2006
082865-009C	I5NB-ENC-HA60-1.0	Soil	3/10/2006	3/14/2006	4/5/2006
082865-010A	I5NB-ENC-HA61-0.6	Soil	3/10/2006	3/14/2006	4/5/2006
082865-011A	I5NB-ENC-HA62-1.0	Soil	3/10/2006	3/14/2006	4/5/2006
082865-012A	I5NB-ENC-HA63-0.6	Soil	3/10/2006	3/14/2006	4/5/2006
082865-013A	Equip-HA-31006	Water	3/10/2006	3/14/2006	4/5/2006
082865-013B	Equip-HA-31006	Water	3/10/2006	3/14/2006	4/5/2006

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CASE NARRATIVE

The samples for EPA 8141 analysis were subcontracted to D-tek Analytical Laboratories, Inc. with ELAP Cert. 2344.

The samples for EPA 8151 analysis were subcontracted to Sierra Analytical Laboratories, Inc. with ELAP Cert. 2320.

Analytical Comments for EPA 8082

Samples 082865-001A, 082865-006A, 082865-008A and 082865-009A exceeded holding time.

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Advanced Technology Laboratories

Date: *05-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5NB-ENC-HA52-1.0
Lab Order:	082865	**Tag Number:**	
Project:	I-5 Expansion, 105812001	**Collection Date:**	3/10/2006 9:34:00 AM
Lab ID:	082865-001A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD						
	EPA 3550B			**EPA 8082**		
RunID: GC5_060328A	QC Batch: 27332				PrepDate: 3/27/2006	Analyst: **EES**
Aroclor 1016	ND	16	H	µg/Kg	1	3/28/2006
Aroclor 1221	ND	33	H	µg/Kg	1	3/28/2006
Aroclor 1232	ND	16	H	µg/Kg	1	3/28/2006
Aroclor 1242	ND	16	H	µg/Kg	1	3/28/2006
Aroclor 1248	ND	16	H	µg/Kg	1	3/28/2006
Aroclor 1254	ND	16	H	µg/Kg	1	3/28/2006
Aroclor 1260	ND	16	H	µg/Kg	1	3/28/2006
Aroclor 1262	ND	16	H	µg/Kg	1	3/28/2006
Aroclor 1268	ND	16	H	µg/Kg	1	3/28/2006
Surr: Decachlorobiphenyl	90.3	44-132	H	%REC	1	3/28/2006
Surr: Tetrachloro-m-xylene	100	63-130	H	%REC	1	3/28/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *05-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5NB-ENC-HA57-1.4
Lab Order:	082865	**Tag Number:**	
Project:	I-5 Expansion, 105812001	**Collection Date:**	3/10/2006 10:52:00 AM
Lab ID:	082865-006A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD						
	EPA 3550B			**EPA 8082**		
RunID: GC5_060328A	QC Batch: 27332				PrepDate: 3/27/2006	Analyst: **EES**
Aroclor 1016	ND	16	H	µg/Kg	1	3/28/2006
Aroclor 1221	ND	33	H	µg/Kg	1	3/28/2006
Aroclor 1232	ND	16	H	µg/Kg	1	3/28/2006
Aroclor 1242	ND	16	H	µg/Kg	1	3/28/2006
Aroclor 1248	ND	16	H	µg/Kg	1	3/28/2006
Aroclor 1254	ND	16	H	µg/Kg	1	3/28/2006
Aroclor 1260	ND	16	H	µg/Kg	1	3/28/2006
Aroclor 1262	ND	16	H	µg/Kg	1	3/28/2006
Aroclor 1268	ND	16	H	µg/Kg	1	3/28/2006
Surr: Decachlorobiphenyl	89.2	44-132	H	%REC	1	3/28/2006
Surr: Tetrachloro-m-xylene	102	63-130	H	%REC	1	3/28/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *05-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5NB-ENC-HA59-0.3
Lab Order:	082865	**Tag Number:**	
Project:	I-5 Expansion, 105812001	**Collection Date:**	3/10/2006 11:20:00 AM
Lab ID:	082865-008A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD						
	EPA 3550B			**EPA 8082**		
RunID: GC5_060328A	QC Batch: 27332				PrepDate: 3/27/2006	Analyst: **EES**
Aroclor 1016	ND	16	H	µg/Kg	1	3/28/2006
Aroclor 1221	ND	33	H	µg/Kg	1	3/28/2006
Aroclor 1232	ND	16	H	µg/Kg	1	3/28/2006
Aroclor 1242	ND	16	H	µg/Kg	1	3/28/2006
Aroclor 1248	ND	16	H	µg/Kg	1	3/28/2006
Aroclor 1254	ND	16	H	µg/Kg	1	3/28/2006
Aroclor 1260	ND	16	H	µg/Kg	1	3/28/2006
Aroclor 1262	ND	16	H	µg/Kg	1	3/28/2006
Aroclor 1268	ND	16	H	µg/Kg	1	3/28/2006
Surr: Decachlorobiphenyl	93.8	44-132	H	%REC	1	3/28/2006
Surr: Tetrachloro-m-xylene	105	63-130	H	%REC	1	3/28/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *05-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5NB-ENC-HA60-1.0
Lab Order:	082865	**Tag Number:**	
Project:	I-5 Expansion, 105812001	**Collection Date:**	3/10/2006 11:30:00 AM
Lab ID:	082865-009A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD						
	EPA 3550B			**EPA 8082**		
RunID: GC5_060328A	QC Batch: 27332				PrepDate: 3/27/2006	Analyst: **EES**
Aroclor 1016	ND	16	H	µg/Kg	1	3/28/2006
Aroclor 1221	ND	33	H	µg/Kg	1	3/28/2006
Aroclor 1232	ND	16	H	µg/Kg	1	3/28/2006
Aroclor 1242	ND	16	H	µg/Kg	1	3/28/2006
Aroclor 1248	ND	16	H	µg/Kg	1	3/28/2006
Aroclor 1254	ND	16	H	µg/Kg	1	3/28/2006
Aroclor 1260	ND	16	H	µg/Kg	1	3/28/2006
Aroclor 1262	ND	16	H	µg/Kg	1	3/28/2006
Aroclor 1268	ND	16	H	µg/Kg	1	3/28/2006
Surr: Decachlorobiphenyl	93.1	44-132	H	%REC	1	3/28/2006
Surr: Tetrachloro-m-xylene	102	63-130	H	%REC	1	3/28/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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CLIENT: Ninyo & Moore
Work Order: 082865
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_S

Sample ID: **MB-27122** SampType: **MBLK** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **3/15/2006** RunNo: **60661**
Client ID: **PBS** Batch ID: **27122** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **3/16/2006** SeqNo: **897425**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	16									
Aroclor 1221	ND	33									
Aroclor 1232	ND	16									
Aroclor 1242	ND	16									
Aroclor 1248	ND	16									
Aroclor 1254	ND	16									
Aroclor 1260	ND	16									
Aroclor 1262	ND	16									
Aroclor 1268	ND	16									
Surr: Decachlorobiphenyl	15		16.65		92.3	44	132				
Surr: Tetrachloro-m-xylene	16		16.65		99.0	63	130				

Sample ID: **LCS-27122** SampType: **LCS** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **3/15/2006** RunNo: **60661**
Client ID: **LCSS** Batch ID: **27122** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **3/16/2006** SeqNo: **897426**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	160	16	166.6	0	94.3	77	106				
Aroclor 1260	150	16	166.6	0	92.5	78	114				
Surr: Decachlorobiphenyl	16		16.65		97.8	44	132				
Surr: Tetrachloro-m-xylene	18		16.65		111	63	130				

Sample ID: **MB-27122** SampType: **MBLK** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **3/15/2006** RunNo: **60654**
Client ID: **PBS** Batch ID: **27122** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **3/16/2006** SeqNo: **897435**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	16									
Aroclor 1221	ND	33									
Aroclor 1232	ND	16									
Aroclor 1242	ND	16									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
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CLIENT: Ninyo & Moore
Work Order: 082865
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_S

Sample ID: **MB-27122** SampType: **MBLK** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **3/15/2006** RunNo: **60654**
Client ID: **PBS** Batch ID: **27122** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **3/16/2006** SeqNo: **897435**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1248	ND	16									
Aroclor 1254	ND	16									
Aroclor 1260	ND	16									
Aroclor 1262	ND	16									
Aroclor 1268	ND	16									
Surr: Decachlorobiphenyl	15		16.65		91.0	44	132				
Surr: Tetrachloro-m-xylene	17		16.65		102	63	130				

Sample ID: **LCS-27122** SampType: **LCS** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **3/15/2006** RunNo: **60654**
Client ID: **LCSS** Batch ID: **27122** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **3/16/2006** SeqNo: **897436**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	160	16	166.6	0	98.8	77	106				
Aroclor 1260	170	16	166.6	0	100	78	114				
Surr: Decachlorobiphenyl	16		16.65		95.7	44	132				
Surr: Tetrachloro-m-xylene	19		16.65		112	63	130				

Sample ID: **082725-018AMS** SampType: **MS** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **3/15/2006** RunNo: **60661**
Client ID: **ZZZZZZ** Batch ID: **27122** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **3/16/2006** SeqNo: **897574**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	150	16	166.6	0	89.7	70	112				
Aroclor 1260	150	16	166.6	0	90.4	68	118				
Surr: Decachlorobiphenyl	16		16.65		93.9	44	132				
Surr: Tetrachloro-m-xylene	17		16.65		101	63	130				

Sample ID: **082725-018AMSD** SampType: **MSD** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **3/15/2006** RunNo: **60661**
Client ID: **ZZZZZZ** Batch ID: **27122** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **3/16/2006** SeqNo: **897575**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 082865
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_S

Sample ID: **082725-018AMSD** SampType: **MSD** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **3/15/2006** RunNo: **60661**
Client ID: **ZZZZZZ** Batch ID: **27122** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **3/16/2006** SeqNo: **897575**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	150	16	166.6	0	90.0	70	112	149.4	0.364	30	
Aroclor 1260	150	16	166.6	0	90.0	68	118	150.7	0.436	30	
Surr: Decachlorobiphenyl	15		16.65		92.1	44	132		0	0	
Surr: Tetrachloro-m-xylene	17		16.65		100	63	130		0	0	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 082865
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_S

Sample ID: **MB-27332** SampType: **MBLK** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **3/27/2006** RunNo: **61288**
Client ID: **PBS** Batch ID: **27332** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **3/28/2006** SeqNo: **907451**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	16									
Aroclor 1221	ND	33									
Aroclor 1232	ND	16									
Aroclor 1242	ND	16									
Aroclor 1248	ND	16									
Aroclor 1254	ND	16									
Aroclor 1260	ND	16									
Aroclor 1262	ND	16									
Aroclor 1268	ND	16									
Surr: Decachlorobiphenyl	14		16.65		82.0	44	132				
Surr: Tetrachloro-m-xylene	16		16.65		97.0	63	130				

Sample ID: **LCS-27332** SampType: **LCS** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **3/27/2006** RunNo: **61288**
Client ID: **LCSS** Batch ID: **27332** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **3/28/2006** SeqNo: **907452**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	150	16	166.6	0	90.5	77	106				
Aroclor 1260	140	16	166.6	0	84.3	78	114				
Surr: Decachlorobiphenyl	14		16.65		85.9	44	132				
Surr: Tetrachloro-m-xylene	18		16.65		109	63	130				

Sample ID: **082867-003AMS** SampType: **MS** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **3/27/2006** RunNo: **61288**
Client ID: **ZZZZZZ** Batch ID: **27332** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **3/28/2006** SeqNo: **907453**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	180	16	166.6	0	105	70	112				
Aroclor 1260	160	16	166.6	0	94.2	68	118				
Surr: Decachlorobiphenyl	16		16.65		95.3	44	132				
Surr: Tetrachloro-m-xylene	18		16.65		105	63	130				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
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CLIENT: Ninyo & Moore
Work Order: 082865
Project: I-5 Expansion, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_S

Sample ID: **082867-003AMSD** SampType: **MSD** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **3/27/2006** RunNo: **61288**
Client ID: **ZZZZZZ** Batch ID: **27332** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **3/28/2006** SeqNo: **907454**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	160	16	166.6	0	96.1	70	112	175.8	9.26	30	
Aroclor 1260	140	16	166.6	0	86.7	68	118	156.9	8.28	30	
Surr: Decachlorobiphenyl	15		16.65		90.3	44	132		0	0	
Surr: Tetrachloro-m-xylene	17		16.65		100	63	130		0	0	

Sample ID: **082867-001DUP** SampType: **DUP** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **3/27/2006** RunNo: **61288**
Client ID: **ZZZZZZ** Batch ID: **27332** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **3/28/2006** SeqNo: **907461**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	16									
Aroclor 1221	ND	33									
Aroclor 1232	ND	16									
Aroclor 1242	ND	16									
Aroclor 1248	ND	16									
Aroclor 1254	ND	16									
Aroclor 1260	ND	16									
Aroclor 1262	ND	16									
Aroclor 1268	ND	16									
Surr: Decachlorobiphenyl	16		16.65		98.0	44	132				
Surr: Tetrachloro-m-xylene	18		16.65		110	63	130				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

D-TEK Analytical Laboratories, Inc.
9020 Kenamar Drive, Suite 205
San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	**4/4/06**
Sampling Date:	**3/10/06**
Date Sample Received:	**3/28/06**
Date Extracted:	**3/28/06**
Date Analyzed:	**April 1, 2006**
Analyzed By:	**EA**
Method:	**EPA 8141A**
Sample Type:	**Soil**
Sample Log Number:	**06-2046 to 06-2049**

The sample(s) were analyzed with EPA methodology or equivalent methods as specified on the attached "Analyses Results" report. The symbol for "less than" indicates a value below the reportable detection limit.

The results of these analyses and the quality control data are enclosed.

Ellen Atienza
Operations Manager

D-TEK Analytical Laboratories, Inc.
9020 Kenamar Drive, Suite 205
San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	4/4/06
Sampling Date:	3/10/06
Date Sample Received:	3/28/06
Date Extracted:	3/28/06
Date Analyzed:	April 1, 2006
Analyzed By:	EA
Sample Type:	Soil
Method:	EPA 8141A
Units:	µg/kg

ANALYSES RESULTS

Analysis	Detection Limit	Log Number:	06-2046	06-2047
		Sample ID:	082865-001B 15NB-ENC-HA52-1.0	082865-006B 15NB-ENC-HA57-1.4
Azinphos Methyl	5.0		<DL	<DL
Bolstar	5.0		<DL	<DL
Coumaphos	5.0		<DL	<DL
Demeton	5.0		<DL	<DL
Diazinon	5.0		<DL	<DL
Dichlorvos	5.0		<DL	<DL
Disulfoton	5.0		<DL	<DL
Dursban (Chlorpyrifos)	5.0		<DL	<DL
Ethoprop	5.0		<DL	<DL
Fensulfothion	10.0		<DL	<DL
Fenthion	5.0		<DL	<DL
Gardona (Stirophos)	5.0		<DL	<DL
Malathion	5.0		<DL	<DL
Merphos	5.0		<DL	<DL
Methyl Parathion	5.0		<DL	<DL
Mevinphos	5.0		<DL	<DL
Naled	5.0		<DL	<DL
Phorate	5.0		<DL	<DL
Ronnel	5.0		<DL	<DL
Tokuthion	5.0		<DL	<DL
Trichloronate	5.0		<DL	<DL

Ellen Atienza
Operations Manager

D-TEK Analytical Laboratories, Inc.
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San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	4/4/06
Sampling Date:	3/10/06
Date Sample Received:	3/28/06
Date Extracted:	3/28/06
Date Analyzed:	April 1, 2006
Analyzed By:	EA
Sample Type:	Soil
Method:	EPA 8141A
Units:	µg/kg

ANALYSES RESULTS

Analysis	Detection Limit	Log Number:	06-2048	06-2049
		Sample ID:	082865-008B 15NB-ENC-HA59-0.3	082865-009B 15NB-ENC-HA60-1.0
Azinphos Methyl	5.0		<DL	<DL
Bolstar	5.0		<DL	<DL
Coumaphos	5.0		<DL	<DL
Demeton	5.0		<DL	<DL
Diazinon	5.0		<DL	<DL
Dichlorvos	5.0		<DL	<DL
Disulfoton	5.0		<DL	<DL
Dursban (Chlorpyrifos)	5.0		<DL	<DL
Ethoprop	5.0		<DL	<DL
Fensulfothion	10.0		<DL	<DL
Fenthion	5.0		<DL	<DL
Gardona (Stirophos)	5.0		<DL	<DL
Malathion	5.0		<DL	<DL
Merphos	5.0		<DL	<DL
Methyl Parathion	5.0		<DL	<DL
Mevinphos	5.0		<DL	<DL
Naled	5.0		<DL	<DL
Phorate	5.0		<DL	<DL
Ronnel	5.0		<DL	<DL
Tokuthion	5.0		<DL	<DL
Trichloronate	5.0		<DL	<DL

Ellen Atienza
Operations Manager

D-TEK Analytical Laboratories, Inc.

9020 Kenamar Drive, Suite 205
San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

QUALITY CONTROL DATA REPORT

Date:	4/4/06
Attn:	Ms. Rachelle Arada
Date Extracted:	3/28/06
Date Analyzed:	April 1, 2006
Analysis Method:	EPA 8141A
Log #:	06-2046 to 06-2049

Method Blank

No target analytes were detected in the method blank.

Laboratory Control Sample

Compound	% Recovery	QC Limits	DUP % Recovery	%RPD	RPD Limits
Diazinon	104	40-130	108	4	30
Methyl Parathion	103	40-130	109	6	30
Dursban (Chlorpyrifos)	89	40-130	108	19	30
Gardona (Stirophos)	94	40-130	96	2	30

SURROGATE RECOVERIES
(Tributylphosphate)

Log #	Percent Recovery:
Method Blank	115
06-2046	88
06-2047	91
06-2048	96
06-2049	93
LCS	92
LCS Dup	99

QC limits: 50 to 170%

Ellen Atienza
Operations Manager

QUALITY CONTROL TERMINOLOGY

- **LCS - LABORATORY CONTROL SAMPLE.** Reported as % recovery of an independent standard carried through all sample preparation procedures to verify method performance. Acceptable range is based on historical laboratory control data and EPA requirements. Any out-of-control QC data is clearly indicated.
- **Spike-** environmental sample is matrix spiked with method compounds and % recovery of concentration spiked into sample is calculated. Reported as % recovery. Acceptable range for "Normal Matrix Sample" is based on historical laboratory control data. Any out-of-control QC data is clearly indicated.
- **Surrogates-** Compounds representative of a group of compounds. Surrogates are spiked into environmental samples and % recovery of concentration spiked is calculated and reported. Acceptable range varies depending on sample matrix and analysis method. Any out-of-control QC data is clearly indicated.

0611622

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755-5225
TEL: *5629894045* FAX: *5629894040*

CHAIN-OF-CUSTODY RECORD

QC Level: CT

Subcontractor:
D-Tek
9020 Kenamar Drive, Suite 205
San Diego, CA 92121

TEL: (858) 566-4540
FAX: (858) 566-4542
Acct #:

27-Mar-06

Sample ID		Matrix	Date Collected	Bottle Type	Requested Tests EPA 8141A	
082865-001B	/ I5NB-ENC-HA52-1.0	Soil	3/10/2006 9:34:00 AM	4OZG	1	06-2046
082865-006B	/ I5NB-ENC-HA57-1.4	Soil	3/10/2006 10:52:00 AM	4OZG	1	06-2047
082865-008B	/ I5NB-ENC-HA59-0.3	Soil	3/10/2006 11:20:00 AM	4OZG	1	06-2048
082865-009B	/ I5NB-ENC-HA60-1.0	Soil	3/10/2006 11:30:00 AM	4OZG	1	06-2049

General Comments: Please use PO#: SC00477 Please fax results by: NORMAL TAT
SEND REPORT TO RACHELLE ARADA

		Date/Time			Date/Time
Relinquished by:	[signature]	3/27/06 1830	Received by:	[signature]	3-27-06 7:00p
Relinquished by:	[signature]	3-28-06 9:15a	Received by:	[signature]	3/27/06 0915

Advanced Technology Labs	Project:	NA	
3275 Walnut Avenue	Project Number:	PO# SC00478	**Reported:**
Signal Hill CA, 90755	Project Manager:	Rachelle Arada	03/30/06 12:21

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
082865-001C / 15NB-ENC-HA52-1.0	0603609-01	Soil	03/10/06 09:34	03/28/06 10:15
082865-006C / 15NB-ENC-HA57-1.4	0603609-02	Soil	03/10/06 10:52	03/28/06 10:15
082865-008C / 15NB-ENC-HA59-0.3	0603609-03	Soil	03/10/06 11:20	03/28/06 10:15
082865-009C / 15NB-ENC-HA60-1.0	0603609-04	Soil	03/10/06 11:30	03/28/06 10:15

CASE NARRATIVE

SAMPLE RECEIPT:	Samples were received intact, at 4 °C, and accompanied by chain of custody documentation.
PRESERVATION:	Samples requiring preservation were verified prior to sample preparation and analysis.
HOLDING TIMES:	All holding times were met, unless otherwise noted in the report with data qualifiers.
QA/QC CRITERIA:	All quality objective criteria were met, except as noted in the report with data qualifiers.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653
TELEPHONE: (949) 348-9389 FAX: (949) 348-9115
E-MAIL: SIERRALABS @ SIERRALABS.NET

Advanced Technology Labs	Project: NA	
3275 Walnut Avenue	Project Number: PO# SC00478	**Reported:**
Signal Hill CA, 90755	Project Manager: Rachelle Arada	03/30/06 12:21

Chlorinated Herbicides by EPA Method 8151A

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
082865-001C / 15NB-ENC-HA52-1.0 (0603609-01) Soil Sampled: 03/10/06 09:34 Received: 03/28/06 10:15									
2,4,5-T	ND	1.6	µg/kg	1	B6C3023	03/28/06	03/29/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*64.7 %*	*35-150*		*"*	*"*	*"*	*"*	
082865-006C / 15NB-ENC-HA57-1.4 (0603609-02) Soil Sampled: 03/10/06 10:52 Received: 03/28/06 10:15									
2,4,5-T	ND	1.6	µg/kg	1	B6C3023	03/28/06	03/30/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*55.0 %*	*35-150*		*"*	*"*	*"*	*"*	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Labs	Project: NA	
3275 Walnut Avenue	Project Number: PO# SC00478	**Reported:**
Signal Hill CA, 90755	Project Manager: Rachelle Arada	03/30/06 12:21

Chlorinated Herbicides by EPA Method 8151A

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
082865-008C / 15NB-ENC-HA59-0.3 (0603609-03) Soil Sampled: 03/10/06 11:20 Received: 03/28/06 10:15									
2,4,5-T	ND	1.6	µg/kg	1	B6C3023	03/28/06	03/30/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*62.3 %*	*35-150*		*"*	*"*	*"*	*"*	
082865-009C / 15NB-ENC-HA60-1.0 (0603609-04) Soil Sampled: 03/10/06 11:30 Received: 03/28/06 10:15									
2,4,5-T	ND	1.6	µg/kg	1	B6C3023	03/28/06	03/30/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*55.2 %*	*35-150*		*"*	*"*	*"*	*"*	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Labs	Project:	NA	
3275 Walnut Avenue	Project Number:	PO# SC00478	**Reported:**
Signal Hill CA, 90755	Project Manager:	Rachelle Arada	03/30/06 12:21

Chlorinated Herbicides by EPA Method 8151A - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6C3023 - EPA 3550B Solid Ext										
Blank (B6C3023-BLK1)				Prepared & Analyzed: 03/29/06						
2,4,5-T	ND	1.6	µg/kg							
2,4,5-TP (Silvex)	ND	1.6	"							
2,4-D	ND	1.6	"							
2,4-DB	ND	4.0	"							
3,5-Dichlorobenzoic acid	ND	2.0	"							
4-Nitrophenol	ND	2.0	"							
Acifluorfen	ND	1.6	"							
Bentazon	ND	1.6	"							
Chloramben	ND	1.6	"							
Dalapon	ND	20	"							
DCPA diacid	ND	1.6	"							
Dicamba	ND	1.6	"							
Dichlorprop	ND	1.6	"							
Dinoseb	ND	1.6	"							
Pentachlorophenol	ND	1.6	"							
Picloram	ND	1.6	"							
Surrogate: 2,4-Dichlorophenylacetic Acid	*67.1*		*"*	*100*		*67.1*	*35-150*			
LCS (B6C3023-BS1)				Prepared & Analyzed: 03/29/06						
2,4,5-T	7.29	1.6	µg/kg	10.0		72.9	20-150			
2,4,5-TP (Silvex)	9.06	1.6	"	10.0		90.6	20-150			
Dinoseb	6.77	1.6	"	10.0		67.7	20-150			
LCS (B6C3023-BS2)				Prepared & Analyzed: 03/29/06						
2,4,5-T	7.19	1.6	µg/kg	10.0		71.9	20-150			
2,4,5-TP (Silvex)	8.96	1.6	"	10.0		89.6	20-150			
Dinoseb	6.64	1.6	"	10.0		66.4	20-150			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653
TELEPHONE: (949) 348-9389 FAX: (949) 348-9115
E-MAIL: SIERRALABS @ SIERRALABS.NET

Advanced Technology Labs	Project: NA	
3275 Walnut Avenue	Project Number: PO# SC00478	**Reported:**
Signal Hill CA, 90755	Project Manager: Rachelle Arada	03/30/06 12:21

Chlorinated Herbicides by EPA Method 8151A - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6C3023 - EPA 3550B Solid Ext										
LCS Dup (B6C3023-BSD1)				Prepared & Analyzed: 03/29/06						
2,4,5-T	7.50	1.6	µg/kg	10.0		75.0	20-150	2.84	30	
2,4,5-TP (Silvex)	9.31	1.6	"	10.0		93.1	20-150	2.72	30	
Dinoseb	6.90	1.6	"	10.0		69.0	20-150	1.90	30	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755-5225
TEL: *5629894045* FAX: *5629894040*

CHAIN-OF-CUSTODY RECORD

QC Level: CT

Subcontractor:

Sierra Laboratories
26052 Merit Circle Suite 105
Laguna Hills, CA 92653

TEL: (949) 348-9389
FAX: (949) 348-9115
Acct #:

27-Mar-06

Sample ID		Matrix	Date Collected	Bottle Type	Requested Tests				
					EPA 8151				
082865-001C	/ I5NB-ENC-HA52-1.0	Soil	3/10/2006 9:34:00 AM	4OZG	1				
082865-006C	/ I5NB-ENC-HA57-1.4	Soil	3/10/2006 10:52:00 AM	4OZG	1				
082865-008C	/ I5NB-ENC-HA59-0.3	Soil	3/10/2006 11:20:00 AM	4OZG	1				
082865-009C	/ I5NB-ENC-HA60-1.0	Soil	3/10/2006 11:30:00 AM	4OZG	1				

General Comments: Please use PO#: SC00478 Please fax results by: NORMAL TAT

SEND REPORT TO RACHELLE ARADA

		Date/Time			Date/Time
Relinquished by:		3/27/06 1830	Received by:		3-27-06 7:00p
Relinquished by:		3-28-06 10:15A	Received by:	Svena	3-28-06 10:15

Rachelle Arada

From: Scott Snyder [ssnyder@ninyoandmoore.com]
Sent: Monday, March 27, 2006 4:47 PM
To: Rachelle Arada
Subject: additional analyses

Rachelle,

I would like to request some additional analyses for some samples you already have for our Caltrans project:

USEPA 8082/8141/8151

I5NB-ENC-HA52-1.0
I5NB-ENC-HA57-1.4
I5NB-ENC-HA59-0.3
I5NB-ENC-HA60-1.0
I5NB-ENC-HA64-1.4
I5NB-ENC-HA65-0.3
I5NB-ENC-HA66-1.0
I5NB-LEU-HA73-0.3
I5NB-LEU-HA75-0.3
I5NB-PAL-HA112-0.3
I5NB-PAL-HA113-0.3
I5NB-CAN-HA120-0.3

Please let me know if you have any questions.

Thanks,
Scott

Scott Snyder, PG, HG
Senior Hydrogeologist
Ninyo & Moore
5710 Ruffin Road
San Diego, California 92122
858.576.1000 x1255

D-TEK Analytical Laboratories, Inc.
9020 Kenamar Drive, Suite 205
San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	**3/22/06**
Sampling Date:	**3/13/06**
Date Sample Received:	**3/15/06**
Date Extracted:	**3/17/06**
Date Analyzed:	**March 20, 2006**
Analyzed By:	**EA**
Method:	**EPA 8141A**
Sample Type:	**Soil and Water**
Sample Log Number:	**06-1856 and 06-1857**

The sample(s) were analyzed with EPA methodology or equivalent methods as specified on the attached "Analyses Results" report. The symbol for "less than" indicates a value below the reportable detection limit.

The results of these analyses and the quality control data are enclosed.

Ellen Atienza
Operations Manager

D-TEK Analytical Laboratories, Inc.
9020 Kenamar Drive, Suite 205
San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	3/22/06
Sampling Date:	3/13/06
Date Sample Received:	3/15/06
Date Extracted:	3/17/06
Date Analyzed:	March 20, 2006
Analyzed By:	EA
Sample Type:	Soil
Method:	EPA 8141A
Unit:	µg/kg

ANALYSES RESULTS

Analysis	Detection Limit	Log Number:	06-1856
		Sample ID:	082867-010B 15NB-LEU-HA74-0.3
Azinphos Methyl	5.0		<DL
Bolstar	5.0		<DL
Coumaphos	5.0		<DL
Demeton	5.0		<DL
Diazinon	5.0		<DL
Dichlorvos	5.0		<DL
Disulfoton	5.0		<DL
Dursban (Chlorpyrifos)	5.0		<DL
Ethoprop	5.0		<DL
Fensulfothion	10.0		<DL
Fenthion	5.0		<DL
Gardona (Stirophos)	5.0		<DL
Malathion	5.0		<DL
Merphos	5.0		<DL
Methyl Parathion	5.0		<DL
Mevinphos	5.0		<DL
Naled	5.0		<DL
Phorate	5.0		<DL
Ronnel	5.0		<DL
Tokuthion	5.0		<DL
Trichloronate	5.0		<DL

Ellen Atienza
Operations Manager

D-TEK Analytical Laboratories, Inc.

9020 Kenamar Drive, Suite 205
San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

QUALITY CONTROL DATA REPORT

Date:	3/22/06
Attn:	Ms. Rachelle Arada
Date Extracted:	3/17/06
Date Analyzed:	March 20, 2006
Analysis Method:	EPA 8141A
Log #:	06-1856

Method Blank

No target analytes were detected in the method blank.

Laboratory Control Sample

Compound	% Recovery	QC Limits	DUP % Recovery	%RPD	RPD Limits
Diazinon	68	40-130	87	25	30
Methyl Parathion	87	40-130	108	22	30
Dursban (Chlorpyrifos)	80	40-130	84	5	30
Gardona (Stirophos)	92	40-130	116	18	30

SURROGATE RECOVERIES
(Tributylphosphate)

Log #	Percent Recovery:
Method Blank	112
06-1856	109
LCS	83
LCS Dup	124

QC limits: 50 to 170%

Ellen Atienza
Operations Manager

QUALITY CONTROL TERMINOLOGY

- **LCS - LABORATORY CONTROL SAMPLE**. Reported as % recovery of an independent standard carried through all sample preparation procedures to verify method performance. Acceptable range is based on historical laboratory control data and EPA requirements. Any out-of-control QC data is clearly indicated.
- **Spike**- environmental sample is matrix spiked with method compounds and % recovery of concentration spiked into sample is calculated. Reported as % recovery. Acceptable range for "Normal Matrix Sample" is based on historical laboratory control data. Any out-of-control QC data is clearly indicated.
- **Surrogates**- Compounds representative of a group of compounds. Surrogates are spiked into environmental samples and % recovery of concentration spiked is calculated and reported. Acceptable range varies depending on sample matrix and analysis method. Any out-of-control QC data is clearly indicated.

D-TEK Analytical Laboratories, Inc.
9020 Kenamar Drive, Suite 205
San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	**3/22/06**
Sampling Date:	**3/13/06**
Date Sample Received:	**3/15/06**
Date Extracted:	**3/17/06**
Date Analyzed:	**March 20, 2006**
Analyzed By:	**EA**
Sample Type:	**Water**
Method:	**EPA 8141A**
Unit:	**µg/l**

ANALYSES RESULTS

Analysis	**Detection Limit**	**Log Number:**	**06-1857**
		Sample ID:	**082867-016C Equip-HA-031306**
Azinphos Methyl	1.5		<DL
Bolstar	0.15		<DL
Coumaphos	1.5		<DL
Demeton	0.25		<DL
Diazinon	0.1		<DL
Dichlorvos	0.1		<DL
Disulfoton	0.2		<DL
Dursban (Chlorpyrifos)	0.1		<DL
Ethoprop	0.25		<DL
Fensulfothion	2.5		<DL
Fenthion	0.1		<DL
Gardona (Stirophos)	0.5		<DL
Malathion	0.1		<DL
Merphos	0.25		<DL
Methyl Parathion	0.1		<DL
Mevinphos	0.3		<DL
Naled	0.1		<DL
Phorate	0.15		<DL
Ronnel	0.3		<DL
Tokuthion	0.5		<DL
Trichloronate	0.15		<DL

Ellen Atienza
Operations Manager

D-TEK Analytical Laboratories, Inc.

9020 Kenamar Drive, Suite 205
San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

QUALITY CONTROL DATA REPORT

Date:	**3/22/06**
Attn:	**Ms. Rachelle Arada**
Date Extracted:	**3/17/06**
Date Analyzed:	**March 20, 2006**
Analysis Method:	**EPA 8141A**
Log #:	**06-1857**

Method Blank

No target analytes were detected in the method blank.

Laboratory Control Sample

Compound	% Recovery	QC Limits	DUP % Recovery	%RPD	RPD Limits
Diazinon	95	40-130	79	18	30
Methyl Parathion	91	40-130	77	17	30
Dursban (Chlorpyrifos)	103	40-130	89	15	30
Gardona (Stirophos)	91	40-130	77	17	30

SURROGATE RECOVERIES
(Tributylphosphate)

Log #	Percent Recovery:
Method Blank	107
06-1857	120
LCS	118
LCS Dup	119

QC limits: 50 to 170%

Ellen Atienza
Operations Manager

QUALITY CONTROL TERMINOLOGY

- **LCS - LABORATORY CONTROL SAMPLE.** Reported as % recovery of an independent standard carried through all sample preparation procedures to verify method performance. Acceptable range is based on historical laboratory control data and EPA requirements. Any out-of-control QC data is clearly indicated.
- **Spike-** environmental sample is matrix spiked with method compounds and % recovery of concentration spiked into sample is calculated. Reported as % recovery. Acceptable range for "Normal Matrix Sample" is based on historical laboratory control data. Any out-of-control QC data is clearly indicated.
- **Surrogates-** Compounds representative of a group of compounds. Surrogates are spiked into environmental samples and % recovery of concentration spiked is calculated and reported. Acceptable range varies depending on sample matrix and analysis method. Any out-of-control QC data is clearly indicated.

0611546

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755-5225
TEL: *5629894045* FAX: *5629894040*

CHAIN-OF-CUSTODY RECORD

Subcontractor:
D-Tek
9020 Kenamar Drive, Suite 205
San Diego, CA 92121

TEL: (858) 566-4540
FAX: (858) 566-4542
Acct #:

14-Mar-06

Sample ID	Matrix	Date Collected	Bottle Type	Requested Tests: EPA 8141A		
082867-010B / I5NB-LEU-HA74-0.3	Soil	3/13/2006 1:30:00 PM	4OZG	1		06-~~1860~~ 1856
082867-016C / Equip-HA-031306	Water	3/13/2006 3:00:00 PM	32OZA	1		06-~~1861~~ 1857

General Comments: Please use PO#: SC00443 Please fax results. 5-Day TAT.
Send report to Rachelle Arada.

		Date/Time			Date/Time
Relinquished by:	[illegible]	031406/1430	Received by:	CA Vernison # D1001008490240	031406
Relinquished by:	CA OVERNIGHT		Received by:	[illegible]	3/15/06 0800

March 23, 2006

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 082867

RE: Caltrans I-5, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on March 14, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: *23-Mar-06*

CLIENT: Ninyo & Moore
Project: Caltrans I-5, 105812001
Lab Order: 082867
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
082867-001A	I5NB-ENC-HA64-1.4	Soil	3/13/2006	3/14/2006	3/23/2006
082867-002A	I5NB-ENC-HA65-0.3	Soil	3/13/2006	3/14/2006	3/23/2006
082867-003A	I5NB-ENC-HA66-1.0	Soil	3/13/2006	3/14/2006	3/23/2006
082867-004A	I5NB-ENC-HA67-1.0	Soil	3/13/2006	3/14/2006	3/23/2006
082867-005A	I5NB-ENC-HA68-1.0	Soil	3/13/2006	3/14/2006	3/23/2006
082867-006A	I5NB-LEU-HA69-1.0	Soil	3/13/2006	3/14/2006	3/23/2006
082867-007A	I5NB-LEU-HA70-1.0	Soil	3/13/2006	3/14/2006	3/23/2006
082867-008A	I5NB-LEU-HA71-0.3	Soil	3/13/2006	3/14/2006	3/23/2006
082867-009A	I5NB-LEU-HA72-1.0	Soil	3/13/2006	3/14/2006	3/23/2006
082867-010A	I5NB-LEU-HA74-0.3	Soil	3/13/2006	3/14/2006	3/23/2006
082867-010B	I5NB-LEU-HA74-0.3	Soil	3/13/2006	3/14/2006	3/23/2006
082867-010C	I5NB-LEU-HA74-0.3	Soil	3/13/2006	3/14/2006	3/23/2006
082867-011A	I5NB-LEU-HA75-0.3	Soil	3/13/2006	3/14/2006	3/23/2006
082867-012A	I5NB-LEU-HA76-0.3	Soil	3/13/2006	3/14/2006	3/23/2006
082867-013A	I5NB-LEU-HA77-0.3	Soil	3/13/2006	3/14/2006	3/23/2006
082867-014A	I5NB-LEU-HA78-0.3	Soil	3/13/2006	3/14/2006	3/23/2006
082867-015A	I5NB-LEU-HA79-1.4	Soil	3/13/2006	3/14/2006	3/23/2006
082867-016A	Equip-HA-031306	Water	3/13/2006	3/14/2006	3/23/2006
082867-016B	Equip-HA-031306	Water	3/13/2006	3/14/2006	3/23/2006
082867-016C	Equip-HA-031306	Water	3/13/2006	3/14/2006	3/23/2006
082867-016D	Equip-HA-031306	Water	3/13/2006	3/14/2006	3/23/2006

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CASE NARRATIVE

The samples for EPA 8141 analysis were subcontracted to D-tek Analytical Laboratories, Inc. with ELAP Cert. 2344.

The samples for EPA 8151 analysis were subcontracted to Sierra Analytical Laboratories, Inc. with ELAP Cert. 2320.

Analytical Comments for EPA 6010B

RPD for Sample Duplicate (DUP) is outside criteria for sample 082867-006ADUP; however, the Laboratory Control Sample (LCS) validated the analytical batch.

Analytical Comments for EPA 8081A

RPD for Sample Duplicate (DUP) is outside criteria for sample 082867-010ADUP; however, the Laboratory Control Sample (LCS) validated the analytical batch.

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Date: 3/23/2006

LEAD BY ICP
EPA 6010B

CLIENT:	Ninyo & Moore	**Lab Order:**	082867
Project:	Caltrans I-5, 105812001	**Date Received**	3/14/2006 12:20:00 PM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
082867-001A	I5NB-ENC-HA64-1.4	5.0	mg/Kg	27160	1.0	1	3/13/2006	3/19/2006
082867-002A	I5NB-ENC-HA65-0.3	15	mg/Kg	27160	1.0	1	3/13/2006	3/19/2006
082867-003A	I5NB-ENC-HA66-1.0	11	mg/Kg	27160	1.0	1	3/13/2006	3/19/2006
082867-004A	I5NB-ENC-HA67-1.0	4.3	mg/Kg	27160	1.0	1	3/13/2006	3/19/2006
082867-005A	I5NB-ENC-HA68-1.0	4.9	mg/Kg	27160	1.0	1	3/13/2006	3/19/2006
082867-006A	I5NB-LEU-HA69-1.0	4.9	mg/Kg	27160	1.0	1	3/13/2006	3/19/2006
082867-007A	I5NB-LEU-HA70-1.0	8.0	mg/Kg	27160	1.0	1	3/13/2006	3/19/2006
082867-010A	I5NB-LEU-HA74-0.3	3.3	mg/Kg	27160	1.0	1	3/13/2006	3/19/2006
082867-011A	I5NB-LEU-HA75-0.3	9.6	mg/Kg	27161	1.0	1	3/13/2006	3/19/2006
082867-012A	I5NB-LEU-HA76-0.3	160	mg/Kg	27161	1.0	1	3/13/2006	3/19/2006
082867-013A	I5NB-LEU-HA77-0.3	3.3	mg/Kg	27161	1.0	1	3/13/2006	3/19/2006
082867-014A	I5NB-LEU-HA78-0.3	2.0	mg/Kg	27161	1.0	1	3/13/2006	3/19/2006
082867-015A	I5NB-LEU-HA79-1.4	1.6	mg/Kg	27161	1.0	1	3/13/2006	3/19/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/23/2006

LEAD BY ICP
EPA 6010B

CLIENT:	Ninyo & Moore	**Lab Order:**	082867
Project:	Caltrans I-5, 105812001	**Date Received**	3/14/2006 12:20:00 PM
Project No:		**Matrix:**	Water
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
082867-016B	Equip-HA-031306	ND	mg/L	27115	0.25	1	3/13/2006	3/16/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/23/2006

pH
EPA 9045C

CLIENT:	Ninyo & Moore	**Lab Order:**	082867
Project:	Caltrans I-5, 105812001	**Date Received**	3/14/2006 12:20:00 PM
Project No:		**Matrix:**	Soil
Analyte:	pH	**Analyst:**	RSJ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
082867-001A	I5NB-ENC-HA64-1.4	7.3	pH Units	R60687	0.10	1	3/13/2006	3/15/2006
082867-011A	I5NB-LEU-HA75-0.3	7.1	pH Units	R60687	0.10	1	3/13/2006	3/15/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *23-Mar-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5NB-LEU-HA74-0.3
Lab Order:	082867	**Tag Number:**	
Project:	Caltrans I-5, 105812001	**Collection Date:**	3/13/2006 1:30:00 PM
Lab ID:	082867-010A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3550B				**EPA 8081A**		
RunID: GC10_060316A	QC Batch: 27137			PrepDate:	3/16/2006	Analyst: **CPC**
4,4'-DDD	ND	2.0		µg/Kg	1	3/17/2006 1:56:00 PM
4,4'-DDE	24	2.0		µg/Kg	1	3/17/2006 1:56:00 PM
4,4'-DDT	13	2.0		µg/Kg	1	3/17/2006 1:56:00 PM
Aldrin	ND	1.0		µg/Kg	1	3/17/2006 1:56:00 PM
alpha-BHC	ND	1.0		µg/Kg	1	3/17/2006 1:56:00 PM
alpha-Chlordane	ND	1.0		µg/Kg	1	3/17/2006 1:56:00 PM
beta-BHC	ND	1.0		µg/Kg	1	3/17/2006 1:56:00 PM
Chlordane	20	8.5		µg/Kg	1	3/17/2006 1:56:00 PM
delta-BHC	ND	1.0		µg/Kg	1	3/17/2006 1:56:00 PM
Dieldrin	ND	2.0		µg/Kg	1	3/17/2006 1:56:00 PM
Endosulfan I	ND	1.0		µg/Kg	1	3/17/2006 1:56:00 PM
Endosulfan II	ND	2.0		µg/Kg	1	3/17/2006 1:56:00 PM
Endosulfan sulfate	ND	2.0		µg/Kg	1	3/17/2006 1:56:00 PM
Endrin	ND	2.0		µg/Kg	1	3/17/2006 1:56:00 PM
Endrin aldehyde	ND	2.0		µg/Kg	1	3/17/2006 1:56:00 PM
Endrin ketone	ND	2.0		µg/Kg	1	3/17/2006 1:56:00 PM
gamma-BHC	ND	1.0		µg/Kg	1	3/17/2006 1:56:00 PM
gamma-Chlordane	ND	1.0		µg/Kg	1	3/17/2006 1:56:00 PM
Heptachlor	ND	1.0		µg/Kg	1	3/17/2006 1:56:00 PM
Heptachlor epoxide	ND	1.0		µg/Kg	1	3/17/2006 1:56:00 PM
Methoxychlor	ND	8.5		µg/Kg	1	3/17/2006 1:56:00 PM
Toxaphene	ND	85		µg/Kg	1	3/17/2006 1:56:00 PM
Surr: Decachlorobiphenyl	94.1	59-127		%REC	1	3/17/2006 1:56:00 PM
Surr: Tetrachloro-m-xylene	85.5	60-109		%REC	1	3/17/2006 1:56:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *23-Mar-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	Equip-HA-031306
Lab Order:	082867	**Tag Number:**	
Project:	Caltrans I-5, 105812001	**Collection Date:**	3/13/2006 3:00:00 PM
Lab ID:	082867-016A	**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3510C				**EPA 8081A**		
RunID: GC10_060315A	QC Batch: 27096			PrepDate:	3/14/2006	Analyst: **CPC**
4,4'-DDD	ND	0.050		µg/L	1	3/15/2006 3:11:00 PM
4,4'-DDE	ND	0.050		µg/L	1	3/15/2006 3:11:00 PM
4,4'-DDT	ND	0.050		µg/L	1	3/15/2006 3:11:00 PM
Aldrin	ND	0.025		µg/L	1	3/15/2006 3:11:00 PM
alpha-BHC	ND	0.025		µg/L	1	3/15/2006 3:11:00 PM
alpha-Chlordane	ND	0.025		µg/L	1	3/15/2006 3:11:00 PM
beta-BHC	ND	0.025		µg/L	1	3/15/2006 3:11:00 PM
Chlordane	ND	0.25		µg/L	1	3/15/2006 3:11:00 PM
delta-BHC	ND	0.025		µg/L	1	3/15/2006 3:11:00 PM
Dieldrin	ND	0.050		µg/L	1	3/15/2006 3:11:00 PM
Endosulfan I	ND	0.025		µg/L	1	3/15/2006 3:11:00 PM
Endosulfan II	ND	0.050		µg/L	1	3/15/2006 3:11:00 PM
Endosulfan sulfate	ND	0.050		µg/L	1	3/15/2006 3:11:00 PM
Endrin	ND	0.050		µg/L	1	3/15/2006 3:11:00 PM
Endrin aldehyde	ND	0.050		µg/L	1	3/15/2006 3:11:00 PM
Endrin ketone	ND	0.050		µg/L	1	3/15/2006 3:11:00 PM
gamma-BHC	ND	0.025		µg/L	1	3/15/2006 3:11:00 PM
gamma-Chlordane	ND	0.025		µg/L	1	3/15/2006 3:11:00 PM
Heptachlor	ND	0.025		µg/L	1	3/15/2006 3:11:00 PM
Heptachlor epoxide	ND	0.025		µg/L	1	3/15/2006 3:11:00 PM
Methoxychlor	ND	0.25		µg/L	1	3/15/2006 3:11:00 PM
Toxaphene	ND	2.5		µg/L	1	3/15/2006 3:11:00 PM
Surr: Decachlorobiphenyl	54.5	25-123		%REC	1	3/15/2006 3:11:00 PM
Surr: Tetrachloro-m-xylene	78.2	43-119		%REC	1	3/15/2006 3:11:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

CLIENT: Ninyo & Moore
Work Order: 082867
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **MB-27160A** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/17/2006** RunNo: **61047**
Client ID: **PBS** Batch ID: **27160** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/19/2006** SeqNo: **903768**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID: **LCS-27160** SampType: **LCS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/17/2006** RunNo: **61047**
Client ID: **LCSS** Batch ID: **27160** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/19/2006** SeqNo: **903769**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	260	1.0	250.0	0.4005	104	80	120				

Sample ID: **082865-010ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/17/2006** RunNo: **61047**
Client ID: **ZZZZZZ** Batch ID: **27160** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/19/2006** SeqNo: **903780**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	62	1.0						55.25	12.0	20	

Sample ID: **082865-010AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/17/2006** RunNo: **61047**
Client ID: **ZZZZZZ** Batch ID: **27160** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/19/2006** SeqNo: **903781**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	260	1.0	250.0	55.25	81.0	31	122				

Sample ID: **MB-27160B** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/17/2006** RunNo: **61047**
Client ID: **PBS** Batch ID: **27160** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/19/2006** SeqNo: **903782**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **082867-006ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/17/2006** RunNo: **61047**
Client ID: **I5NB-LEU-HA69-1.0** Batch ID: **27160** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/19/2006** SeqNo: **903791**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	6.2	1.0						4.915	23.6	20	R

Sample ID: **082867-006AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/17/2006** RunNo: **61047**
Client ID: **I5NB-LEU-HA69-1.0** Batch ID: **27160** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/19/2006** SeqNo: **903792**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	230	1.0	250.0	4.915	91.8	31	122				

Sample ID: **082867-006AMSD** SampType: **MSD** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/17/2006** RunNo: **61047**
Client ID: **I5NB-LEU-HA69-1.0** Batch ID: **27160** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/19/2006** SeqNo: **903793**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	220	1.0	250.0	4.915	85.1	31	122	234.4	7.44	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **MB-27161A** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/17/2006** RunNo: **61048**
Client ID: **PBS** Batch ID: **27161** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/19/2006** SeqNo: **903796**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID: **LCS-27161** SampType: **LCS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/17/2006** RunNo: **61048**
Client ID: **LCSS** Batch ID: **27161** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/19/2006** SeqNo: **903797**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	260	1.0	250.0	0	104	80	120				

Sample ID: **082867-015ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/17/2006** RunNo: **61048**
Client ID: **I5NB-LEU-HA79-1.4** Batch ID: **27161** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/19/2006** SeqNo: **903803**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.5	1.0						1.555	4.61	20	

Sample ID: **082867-015AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/17/2006** RunNo: **61048**
Client ID: **I5NB-LEU-HA79-1.4** Batch ID: **27161** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/19/2006** SeqNo: **903804**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	210	1.0	250.0	1.555	84.5	31	122				

Sample ID: **082867-015AMSD** SampType: **MSD** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/17/2006** RunNo: **61048**
Client ID: **I5NB-LEU-HA79-1.4** Batch ID: **27161** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/19/2006** SeqNo: **903805**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	210	1.0	250.0	1.555	85.1	31	122	212.7	0.748	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_WPB

Sample ID: MB-27115	SampType: MBLK	TestCode: 6010_WPB	Units: mg/L	Prep Date: 3/15/2006	RunNo: 60737
Client ID: PBW	Batch ID: 27115	TestNo: EPA 6010B	EPA 3010A	Analysis Date: 3/16/2006	SeqNo: 898375

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: LCS-27115	SampType: LCS	TestCode: 6010_WPB	Units: mg/L	Prep Date: 3/15/2006	RunNo: 60737
Client ID: LCSW	Batch ID: 27115	TestNo: EPA 6010B	EPA 3010A	Analysis Date: 3/16/2006	SeqNo: 898376

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.92	0.25	1.000	0	92.5	85	115				

Sample ID: 082809-014ADUP	SampType: DUP	TestCode: 6010_WPB	Units: mg/L	Prep Date: 3/15/2006	RunNo: 60737
Client ID: ZZZZZZ	Batch ID: 27115	TestNo: EPA 6010B	EPA 3010A	Analysis Date: 3/16/2006	SeqNo: 898379

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25						0	0	20	

Sample ID: 082809-014AMS	SampType: MS	TestCode: 6010_WPB	Units: mg/L	Prep Date: 3/15/2006	RunNo: 60737
Client ID: ZZZZZZ	Batch ID: 27115	TestNo: EPA 6010B	EPA 3010A	Analysis Date: 3/16/2006	SeqNo: 898380

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.7	0.25	2.500	0	110	78	118				

Sample ID: 082809-014AMSD	SampType: MSD	TestCode: 6010_WPB	Units: mg/L	Prep Date: 3/15/2006	RunNo: 60737
Client ID: ZZZZZZ	Batch ID: 27115	TestNo: EPA 6010B	EPA 3010A	Analysis Date: 3/16/2006	SeqNo: 898381

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.7	0.25	2.500	0	107	78	118	2.744	2.94	20	

Qualifiers:
- E Value above quantitation range
- R RPD outside accepted recovery limits
- Calculations are based on raw values
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interferenc
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **MB-27137** SampType: **MBLK** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/16/2006** RunNo: **60670**
Client ID: **PBS** Batch ID: **27137** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/16/2006** SeqNo: **897542**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	ND	2.0									
4,4'-DDE	ND	2.0									
4,4'-DDT	ND	2.0									
Aldrin	ND	1.0									
alpha-BHC	ND	1.0									
alpha-Chlordane	ND	1.0									
beta-BHC	ND	1.0									
Chlordane	ND	8.5									
delta-BHC	ND	1.0									
Dieldrin	ND	2.0									
Endosulfan I	ND	1.0									
Endosulfan II	ND	2.0									
Endosulfan sulfate	ND	2.0									
Endrin	ND	2.0									
Endrin aldehyde	ND	2.0									
Endrin ketone	ND	2.0									
gamma-BHC	ND	1.0									
gamma-Chlordane	ND	1.0									
Heptachlor	ND	1.0									
Heptachlor epoxide	ND	1.0									
Methoxychlor	ND	8.5									
Toxaphene	ND	85									
Surr: Tetrachloro-m-xylene	16		16.65		93.9	60	109				
Surr: Decachlorobiphenyl	16		16.65		96.7	59	127				

Sample ID: **LCS-27137** SampType: **LCS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/16/2006** RunNo: **60670**
Client ID: **LCSS** Batch ID: **27137** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/16/2006** SeqNo: **897543**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	20	2.0	16.65	0	119	75	128				
Aldrin	19	1.0	16.65	0	116	80	124				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 082867
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **LCS-27137** SampType: **LCS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/16/2006** RunNo: **60670**
Client ID: **LCSS** Batch ID: **27137** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/16/2006** SeqNo: **897543**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dieldrin	20	2.0	16.65	0	118	82	121				
Endrin	21	2.0	16.65	0	127	79	141				
gamma-BHC	20	1.0	16.65	0	120	84	122				
Heptachlor	21	1.0	16.65	0	125	74	136				
Surr: Tetrachloro-m-xylene	15		16.65		90.2	60	109				
Surr: Decachlorobiphenyl	16		16.65		93.9	59	127				

Sample ID: **082934-009AMS** SampType: **MS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/16/2006** RunNo: **60670**
Client ID: **ZZZZZZ** Batch ID: **27137** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/16/2006** SeqNo: **897818**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	23	2.0	16.65	0	136	64	165				
Aldrin	21	1.0	16.65	0	126	68	135				
Dieldrin	22	2.0	16.65	0	130	48	165				
Endrin	24	2.0	16.65	0	147	60	186				
gamma-BHC	21	1.0	16.65	0	128	70	134				
Heptachlor	23	1.0	16.65	0	137	73	152				
Surr: Tetrachloro-m-xylene	16		16.65		93.4	60	109				
Surr: Decachlorobiphenyl	16		16.65		95.2	59	127				

Sample ID: **082934-009AMSD** SampType: **MSD** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/16/2006** RunNo: **60670**
Client ID: **ZZZZZZ** Batch ID: **27137** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/16/2006** SeqNo: **897819**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	23	2.0	16.65	0	139	64	165	22.61	2.14	30	
Aldrin	21	1.0	16.65	0	128	68	135	20.98	1.65	30	
Dieldrin	22	2.0	16.65	0	133	48	165	21.64	2.01	30	
Endrin	26	2.0	16.65	0	154	60	186	24.43	4.96	30	
gamma-BHC	22	1.0	16.65	0	130	70	134	21.39	1.02	30	
Heptachlor	23	1.0	16.65	0	141	73	152	22.86	2.67	30	
Surr: Tetrachloro-m-xylene	15		16.65		93.0	60	109		0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **082934-009AMSD** SampType: **MSD** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/16/2006** RunNo: **60670**
Client ID: **ZZZZZZ** Batch ID: **27137** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/16/2006** SeqNo: **897819**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Decachlorobiphenyl	16		16.65		94.0	59	127		0	30	

Sample ID: **MB-27137** SampType: **MBLK** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/16/2006** RunNo: **60670**
Client ID: **PBS** Batch ID: **27137** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/17/2006** SeqNo: **898693**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	ND	2.0									
4,4'-DDE	ND	2.0									
4,4'-DDT	ND	2.0									
Aldrin	ND	1.0									
alpha-BHC	ND	1.0									
alpha-Chlordane	ND	1.0									
beta-BHC	ND	1.0									
Chlordane	ND	8.5									
delta-BHC	ND	1.0									
Dieldrin	ND	2.0									
Endosulfan I	ND	1.0									
Endosulfan II	ND	2.0									
Endosulfan sulfate	ND	2.0									
Endrin	ND	2.0									
Endrin aldehyde	ND	2.0									
Endrin ketone	ND	2.0									
gamma-BHC	ND	1.0									
gamma-Chlordane	ND	1.0									
Heptachlor	ND	1.0									
Heptachlor epoxide	ND	1.0									
Methoxychlor	ND	8.5									
Toxaphene	ND	85									
Surr: Tetrachloro-m-xylene	15		16.65		91.4	60	109				
Surr: Decachlorobiphenyl	16		16.65		97.5	59	127				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **LCS-27137** SampType: **LCS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/16/2006** RunNo: **60670**
Client ID: **LCSS** Batch ID: **27137** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/17/2006** SeqNo: **898694**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	19	2.0	16.65	0	116	75	128				
Aldrin	19	1.0	16.65	0	111	80	124				
Dieldrin	19	2.0	16.65	0	113	82	121				
Endrin	21	2.0	16.65	0	126	79	141				
gamma-BHC	19	1.0	16.65	0	116	84	122				
Heptachlor	20	1.0	16.65	0	119	74	136				
Surr: Tetrachloro-m-xylene	15		16.65		89.5	60	109				
Surr: Decachlorobiphenyl	16		16.65		95.0	59	127				

Sample ID: **082867-010ADUP** SampType: **DUP** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/16/2006** RunNo: **60670**
Client ID: **I5NB-LEU-HA74-0.3** Batch ID: **27137** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/17/2006** SeqNo: **898696**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4'-DDD	ND	4.0						0	0	0	
2,4'-DDE	ND	4.0						0	0	0	
2,4'-DDT	ND	4.0						0	0	0	
4,4'-DDD	ND	2.0						0	0	30	
4,4'-DDE	9.1	2.0						24.43	91.3	30	R
4,4'-DDT	3.4	2.0						13.21	119	30	R
Aldrin	ND	1.0						0	0	30	
alpha-BHC	ND	1.0						0	0	30	
alpha-Chlordane	ND	1.0						0.9205	0	30	
beta-BHC	ND	1.0						0	0	30	
Chlordane	ND	8.5						20.22	0	30	
Chlorothalonil	ND	2.0						0	0	30	
delta-BHC	ND	1.0						0	0	30	
Dieldrin	ND	2.0						0	0	30	
Endosulfan I	ND	1.0						0	0	30	
Endosulfan II	ND	2.0						0	0	30	
Endosulfan sulfate	ND	2.0						0	0	30	
Endrin	ND	2.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Work Order: 082867
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **082867-010ADUP** SampType: **DUP** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/16/2006** RunNo: **60670**
Client ID: **I5NB-LEU-HA74-0.3** Batch ID: **27137** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/17/2006** SeqNo: **898696**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Endrin aldehyde	ND	2.0						0	0	30	
Endrin ketone	ND	2.0						0	0	30	
gamma-BHC	ND	1.0						0	0	30	
gamma-Chlordane	ND	1.0						0.6727	0	30	
Heptachlor	ND	1.0						0	0	30	
Heptachlor epoxide	ND	1.0						0	0	30	
Methoxychlor	ND	8.5						0	0	30	
Toxaphene	ND	85						0	0	30	
Surr: Tetrachloro-m-xylene	15		16.65		90.3	60	109		0	0	
Surr: Decachlorobiphenyl	17		16.62		104	59	127		0	0	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_W

Sample ID: **MB-27096** SampType: **MBLK** TestCode: **8081_W** Units: **µg/L** Prep Date: **3/14/2006** RunNo: **60586**
Client ID: **PBW** Batch ID: **27096** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **3/15/2006** SeqNo: **896415**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	ND	0.050									
4,4'-DDE	ND	0.050									
4,4'-DDT	ND	0.050									
Aldrin	ND	0.025									
alpha-BHC	ND	0.025									
alpha-Chlordane	ND	0.025									
beta-BHC	ND	0.025									
Chlordane	ND	0.25									
delta-BHC	ND	0.025									
Dieldrin	ND	0.050									
Endosulfan I	ND	0.025									
Endosulfan II	ND	0.050									
Endosulfan sulfate	ND	0.050									
Endrin	ND	0.050									
Endrin aldehyde	ND	0.050									
Endrin ketone	ND	0.050									
gamma-BHC	ND	0.025									
gamma-Chlordane	ND	0.025									
Heptachlor	ND	0.025									
Heptachlor epoxide	ND	0.025									
Methoxychlor	ND	0.25									
Toxaphene	ND	2.5									
Surr: Tetrachloro-m-xylene	0.43		0.5000		85.7	43	119				
Surr: Decachlorobiphenyl	0.38		0.5000		75.7	25	123				

Sample ID: **LCS-27096** SampType: **LCS** TestCode: **8081_W** Units: **µg/L** Prep Date: **3/14/2006** RunNo: **60586**
Client ID: **LCSW** Batch ID: **27096** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **3/15/2006** SeqNo: **896416**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	0.48	0.050	0.5000	0	95.2	72	125				
Aldrin	0.54	0.025	0.5000	0	108	74	120				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 082867
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_W

Sample ID: **LCS-27096** SampType: **LCS** TestCode: **8081_W** Units: **µg/L** Prep Date: **3/14/2006** RunNo: **60586**
Client ID: **LCSW** Batch ID: **27096** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **3/15/2006** SeqNo: **896416**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dieldrin	0.52	0.050	0.5000	0	105	76	118				
Endrin	0.59	0.050	0.5000	0	119	83	124				
gamma-BHC	0.57	0.025	0.5000	0	115	79	120				
Heptachlor	0.56	0.025	0.5000	0	111	66	137				
Surr: Tetrachloro-m-xylene	0.43		0.5000		86.3	43	119				
Surr: Decachlorobiphenyl	0.38		0.5000		75.9	25	123				

Sample ID: **MB-27096MS** SampType: **MS** TestCode: **8081_W** Units: **µg/L** Prep Date: **3/14/2006** RunNo: **60586**
Client ID: **ZZZZZZ** Batch ID: **27096** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **3/15/2006** SeqNo: **896418**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	0.50	0.050	0.5000	0	100	72	125				
Aldrin	0.58	0.025	0.5000	0	115	74	120				
Dieldrin	0.56	0.050	0.5000	0	113	76	118				
Endrin	0.60	0.050	0.5000	0	120	83	124				
gamma-BHC	0.60	0.025	0.5000	0	120	79	120				
Heptachlor	0.60	0.025	0.5000	0	119	66	137				
Surr: Tetrachloro-m-xylene	0.44		0.5000		87.7	43	119				
Surr: Decachlorobiphenyl	0.38		0.5000		76.1	25	123				

Sample ID: **MB-27096MSD** SampType: **MSD** TestCode: **8081_W** Units: **µg/L** Prep Date: **3/14/2006** RunNo: **60586**
Client ID: **ZZZZZZ** Batch ID: **27096** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **3/15/2006** SeqNo: **896419**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	0.49	0.050	0.5000	0	98.0	72	125	0.5005	2.07	30	
Aldrin	0.57	0.025	0.5000	0	114	74	120	0.5750	1.15	30	
Dieldrin	0.56	0.050	0.5000	0	111	76	118	0.5634	1.48	30	
Endrin	0.61	0.050	0.5000	0	123	83	124	0.5980	2.77	30	
gamma-BHC	0.59	0.025	0.5000	0	118	79	120	0.5985	1.34	30	
Heptachlor	0.59	0.025	0.5000	0	117	66	137	0.5974	1.70	30	
Surr: Tetrachloro-m-xylene	0.42		0.5000		85.0	43	119		0	30	

Qualifiers:
E Value above quantitation range
R. RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 082867
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_W

Sample ID: **MB-27096MSD** SampType: **MSD** TestCode: **8081_W** Units: **µg/L** Prep Date: **3/14/2006** RunNo: **60586**
Client ID: **ZZZZZZ** Batch ID: **27096** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **3/15/2006** SeqNo: **896419**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Decachlorobiphenyl	0.39		0.5000		78.2	25	123		0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 082867
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID: **082810-007ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: RunNo: **60687**
Client ID: **ZZZZZZ** Batch ID: **R60687** TestNo: **EPA 9045C** Analysis Date: **3/15/2006** SeqNo: **897755**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	4.2	0.10						4.500	7.85	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: DM Date: 03/14/06

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other:

Sample Condition Upon Receipt:
1. CHILLED Y☑ N☐ 4. SEALED Y☐ N☑
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☑ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☐ N☑

Client: Ninyo & Moore
Attn: Scott Snyder
Address: 5710 Ruffin Road
City: San Diego State: CA Zip Code: 92115
TEL: (858) 576-1000
FAX: (858) 576-9600

Project Name: Caltrans I-5
Project #: 105812001
Sampler: (Printed Name) MATT ROE (Signature) Matt Roe

Relinquished by: (Signature and Printed Name)	Date	Time	Received by: (Signature and Printed Name)	Date	Time
Matt Roe / MATT ROE	3-13-06	17:30	[signature]	3-14-06	9:00 Am
[signature]	3-14-06	12:20p	[signature]	03/14/06	12:20

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: MATT ROE 3-13-06 (Print Name, Date)
Signature: Matt Roe

Send Report To:
Attn: Scott Snyder
Co: Ninyo & Moore
Address: 5710 Ruffin Rd
City: San Diego State: CA Zip: 92115

Bill To:
Attn: Info
Co:
Address:
City: State: Zip:

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested; SPECIFY APPROPRIATE MATRIX

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	8141 - Pesticides	8151 - Herbicides	9045C - PH	6010 B - Total Lead	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	0528067-001	ISNB-ENC-HA64-1.4	3/13/06	9:35										X		X		X				E	1	J 6	C	
	-002	ISNB-ENC-HA65-0.3		9:45												X		X					1			
	-003	ISNB-ENC-HA66-1.0		9:55												X		X					1			
	-004	ISNB-ENC-HA67-1.0		10:05												X		X					1			
	-005	ISNB-ENC-HA68-1.0		10:20												X		X					1			
	-006	ISNB-~~ENC~~ LEU-HA69-1.0		10:45												X		X					1			
	-007	ISNB-LEU-HA70-1.0		10:55												X		X					1			
	-008	ISNB-LEU-HA71-0.3		11:25												X		X					1			
	-009	ISNB-LEU-HA72-1.0		11:30												X		X					1			

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr; B= Emergency Next workday; C= Critical 2 Workdays; D= Urgent 3 Workdays; E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: _____
Logged By: _____ Date: 03/14/06

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other: _____

Sample Condition Upon Receipt:
1. CHILLED Y☑ N☐ 4. SEALED Y☐ N☑
2. HEADSPACE (VOA) Y☐ N☑ 5. # OF SPLS MATCH COC Y☑ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☐ N☑

Client: Ninyo & Moore
Attn: Scott Snyder
Address: 5710 Ruffin Road
City: San Diego State: CA Zip Code: 92115
TEL: (858) 576-1000
FAX: ( )

Project Name: Caltrans I-5
Project #: 105812001
Sampler: (Printed Name) MATT ROE (Signature) Matt Roe

Relinquished by: (Signature and Printed Name)	Date	Time	Received by: (Signature and Printed Name)	Date	Time
Matt Roe / MATT ROE	3-13-06	17:30		3-14-06	9:20
	3-14-06	12:30		03/14/06	1220

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: MATT ROE (Print Name) 3-13-06 (Date) Matt Roe (Signature)

Send Report To:
Attn: Ninyo & Moore
Co: Scott Snyder
Address: 5710 Ruffin Road
City: SD State: CA Zip: 92115

Bill To:
Attn: See info
Co:
Address:
City: State: Zip:

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested; SPECIFY APPROPRIATE MATRIX

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	8141 - Pesticides	8151 - Herbicides	9045C - pH	6010B - Total Lead	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	0528867-010	ISUB-LEU-HA74-0.3	3/13/06	13:30	X								X	X		X		X				E	1	5	6	C
	-011	ISUB-LEU-HA75-0.3	3/13/06	13:40											X	X		X					1			
	-012	ISUB-LEU-HA76-0.3	3/13	13:45												X		X					1			
	-013	ISUB-LEU-HA77-0.3	3/13	14:00												X		X					1			
	-014	ISUB-LEU-HA78-0.3	3/13/06	14:20												X		X					1			
	-015	ISUB-LEU-HA79-1.4	"	14:30												X		X					1			
	-016	Equip-HA-031306	"	1600	X								X	X					X				3	L	6	
		Equip-HA-031306	"	1500												X			X				1	P	P	N

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr; B= Emergency Next workday; C= Critical 2 Workdays; D= Urgent 3 Workdays; E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

Ninyo & Moore — Transmittal

5710 Ruffin Road, San Diego, California 92123 ◦ Phone 858/576-1000 ◦ Fax 858/576-9600 ◦ www.ninyoandmoore.com

To: Karmon

Date: 3-14-06

Firm: ATL Labs

Fax No: 562-989-4040

Address:

Telephone No:

From: MATT ROE

Total Pages: 2

Subject: Missing samples

Project No: 105612002

☐ Urgent ☐ For Approval ☐ For Your Use ☐ Please Reply ☐ As Requested

Original Document: ☐ Will Not Follow ☐ Will Follow ☐ By U.S. Mail ☐ By Other

- Missing samples HA71 & HA72
- Sorry about the inconvenience
- revised to 3-14-06 chain of custody.

Thanks

MATT Roe

(858) 967-6774

- Geotechnical Engineering
- Engineering Geology
- Materials Testing and Inspection
- Construction Management
- Engineering Design
- Environmental Engineering
- Environmental Site Assessments
- Regulatory Compliance and Permitting
- Water Quality and Resource Evaluations
- Hazardous Waste Management
- Soil and Groundwater Remediation
- Asbestos and Lead-Based Paint Surveys
- Geophysical Studies
- Mineral Resource Evaluations
- Value Engineering
- Forensic Studies
- Expert Witness Testimony

CHAIN OF CUSTODY RECORD

Pg 1 of 1

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: _____

Logged By: _____ Date: _____

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other: _____

Sample Condition Upon Receipt: 1. CHILLED Y☐ N☐ 2. HEADSPACE (VOA) Y☐ N☐ 3. CONTAINER INTACT Y☐ N☐ 4. SEALED Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: Ninyo & Moore
Attn: Scott Snyder
Address: 5710 Ruffin Road
City: San Diego State: CA Zip Code: 92123
TEL: (858) 576-1000
FAX: (858) 576-1020

Project Name: Cal Trans I-5
Project #: 158802001
Sampler: (Printed Name) MATT COE (Signature)

Relinquished by: (Signature and Printed Name) MATT COE Date: 3-13-06 Time: 1730
Received by: (Signature and Printed Name) [illegible] Date: 3-13-06 Time: 1730

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: MATT COE 3-13-06
Print Name Date
Signature: [illegible]

Send Report To:
Attn: Scott Snyder
Co: Ninyo & Moore
Address: 5710 Ruffin Rd
City: San Diego State: CA Zip: 92123

Bill To:
Attn: Info
Co: [illegible]
Address: _____
City: _____ State: _____ Zip: _____

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested: 8081A (Pesticides), 8082 (PCB), 8260B (Volatiles), 8270C (BNA), 6010B (Total Metal), 8015B (GRO) / 8020 (BTEX), 8015B (DRO), 8021 (BTEX), TITLE 22 / CAM 17 (6010 / 7000), Sulfate - [illegible], Sulfide - [illegible], 6010B - Total Cal

SPECIFY APPROPRIATE MATRIX: SOIL, WATER, GROUND WATER, WASTEWATER

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	Sulfate - [illegible]	Sulfide - [illegible]	6010B - Total Cal	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
		ISWB-ENC-HA60-1.4	3/13/06	9:35									X	X							C	1	J	C	
		ISWB-ENC-HA65-0.3	↓	9:45										X								1			
		ISWB-ENC-HA66-1.0	↓	9:55										X								1			
		ISWB-ENC-HA67-1.0	↓	10:05										X								1			
		ISWB-ENC-HA68-1.0	↓	10:20										X								1			
		ISWB-CEU-HA69-1.0	↓	10:45										X								1			
		ISWB-CEU-HA70-1.0	↓	10:55										X								1			
		ISWB-CEU-HA71-0.3	↓	11:25										X								1			
		ISWB-CEU-HA72-1.0	↓	11:30										X								1			

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr; B= Emergency Next workday; C= Critical 2 Workdays; D= Urgent 3 Workdays; E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: White with report, Yellow to folder, Pink to [illegible]

03/14/2006 17:02 8585769680 NINYO & MOORE PAGE 02

May 11, 2006

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 082867

RE: Caltrans I-5, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on March 14, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: *11-May-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5NB-LEU-HA76-0.3
Lab Order:	082867	**Tag Number:**	
Project:	Caltrans I-5, 105812001	**Collection Date:**	3/13/2006 1:45:00 PM
Lab ID:	082867-012A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
LEAD BY ATOMIC ABSORPTION						
			WET DI/ EPA 7420			
RunID: AA2_060508D	QC Batch: R63076			PrepDate:		Analyst: **NS**
Lead	ND	0.25		mg/L	1	5/8/2006

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *11-May-06*

CLIENT: Ninyo & Moore
Work Order: 082867
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID: **083019-012A-DUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **ZZZZZZ** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932882**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25						0	0	20	

Sample ID: **083019-012AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **ZZZZZZ** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932883**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.37	0.25	5.000	0	107	70	130				

Sample ID: **MB-27867B** SampType: **MBLK** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **PBS** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932884**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **MB-27867** SampType: **MBLK** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **PBS** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932892**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **083252-010A-DUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **ZZZZZZ** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932896**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.55	0.25						2.130	17.8	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 082867
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID: **083252-010AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **ZZZZZZ** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932897**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.21	0.25	5.000	2.130	102	70	130				

Sample ID: **083252-010AMSD** SampType: **MSD** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **ZZZZZZ** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932898**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.22	0.25	5.000	2.130	102	70	130	7.209	0.138	20	

Sample ID: **MB-27867A** SampType: **MBLK** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **PBS** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932899**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **LCS-27867** SampType: **LCS** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **LCSS** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932900**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.05	0.25	5.000	0	101	80	120				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Rachelle Arada

From: Scott Snyder [ssnyder@ninyoandmoore.com]
Sent: Tuesday, May 02, 2006 9:04 AM
To: Rachelle Arada
Subject: FW: additional analyses

Rachelle,

For the samples listed below, I am also looking for a WET analysis using deionized water as the extractant instead of whatever it is you normally use for the WET method. You already ran the standard WET test, but now I need deionized water used. What is the extractant that is normally use for the WET test? Is it citric acid?

Thanks,
Scott

I5NB-ENC-HA51-0.3
I5NB-ENC-HA61-0.6
I5NB-LEU-HA76-0.3
I5NB-LOC-HA93-0.6
I5NB-PO1-HA102-0.6
I5NB-PO1-HA104-0.3
I5NB-P01-HA107-0.6
I5NB-PAL-HA113-0.3
I5NB-PAL-HA114-0.3
I5NB-CAN-HA118-0.3
I5NB-CAN-HA122-1.0
I5NB-CAS-HA142-0.3
I5NB-VIS-HA151-0.3
I5NB-VIS-HA152-0.3

Scott Snyder, PG, HG
Senior Hydrogeologist
Ninyo & Moore
5710 Ruffin Road
San Diego, California 92122
858.576.1000 x1255

April 13, 2006

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 082867

RE: Caltrans I-5, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on March 14, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

CLIENT: Ninyo & Moore
Project: Caltrans I-5, 105812001
Lab Order: 082867

CASE NARRATIVE

Analytical Comments for EPA 7420

RPD for Sample Duplicate (DUP) is outside criteria for sample 083197-021ADUP; however, the Laboratory Control Sample (LCS) validated the analytical batch.

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Date: 4/13/2006

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Ninyo & Moore	**Lab Order:**	082867
Project:	Caltrans I-5, 105812001	**Date Received**	3/14/2006 12:20:00 PM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
082867-012A	I5NB-LEU-HA76-0.3	18	mg/L	R61866	0.50	2	3/13/2006	4/10/2006

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/13/2006

LEAD BY ATOMIC ABSORPTION
EPA 1311/ 7420

CLIENT:	Ninyo & Moore	**Lab Order:**	082867
Project:	Caltrans I-5, 105812001	**Date Received**	3/14/2006 12:20:00 PM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
082867-012A	I5NB-LEU-HA76-0.3	ND	mg/L	27514	1.2	1	3/13/2006	4/11/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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Advanced Technology Laboratories
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CLIENT: Ninyo & Moore
Work Order: 082867
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **MB-27480A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **PBS** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915726**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **083019-012A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **ZZZZZZ** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915737**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	26	0.75						25.09	3.99	20	

Sample ID: **083019-012AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **ZZZZZZ** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915739**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	29	1.0	5.000	25.09	74.9	70	130				

Sample ID: **MB-27480** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **PBS** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915740**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **MB-27480B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **PBS** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915741**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 082867
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **LCS-27480** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **LCSS** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915742**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.4	0.25	5.000	0	108	80	120				

Sample ID: **083197-021A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **ZZZZZZ** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915753**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	13	0.50						6.794	64.7	20	R

Sample ID: **083197-021AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **ZZZZZZ** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915754**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12	0.50	5.000	6.794	97.1	70	130				

Sample ID: **083197-021AMSD** SampType: **MSD** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **ZZZZZZ** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915755**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12	0.50	5.000	6.794	97.6	70	130	11.65	0.228	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 082867
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID: **MB-27514A** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2006** RunNo: **61930**
Client ID: **PBS** Batch ID: **27514** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **4/11/2006** SeqNo: **916578**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **MB-27495A TCLP 1** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2006** RunNo: **61930**
Client ID: **PBS** Batch ID: **27514** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **4/11/2006** SeqNo: **916579**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.2									

Sample ID: **LCS-27514** SampType: **LCS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2006** RunNo: **61930**
Client ID: **LCSS** Batch ID: **27514** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **4/11/2006** SeqNo: **916580**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.89	0.25	1.000	0	88.7	80	120				

Sample ID: **083126-018A-DUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2006** RunNo: **61930**
Client ID: **ZZZZZZ** Batch ID: **27514** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **4/11/2006** SeqNo: **916588**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.2						0	0	20	

Sample ID: **083126-018A-MS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2006** RunNo: **61930**
Client ID: **ZZZZZZ** Batch ID: **27514** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **4/11/2006** SeqNo: **916589**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	13	1.2	12.50	0	101	70	130				

Sample ID: **083126-018A-MSD** SampType: **MSD** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2006** RunNo: **61930**
Client ID: **ZZZZZZ** Batch ID: **27514** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **4/11/2006** SeqNo: **916590**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 082867
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID: **083126-018A-MSD** SampType: **MSD** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2006** RunNo: **61930**
Client ID: **ZZZZZZ** Batch ID: **27514** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **4/11/2006** SeqNo: **916590**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12	1.2	12.50	0	96.6	70	130	12.65	4.61	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Rachelle Arada

From: Scott Snyder [ssnyder@ninyoandmoore.com]
Sent: Wednesday, April 05, 2006 4:45 PM
To: Rachelle Arada
Subject: additional analyses

Rachelle,

I need some additional analyses on the hand auger samples for Caltrans for leachable lead.

STLC (WET):

I5NB-ENC-HA51-0.3
I5NB-ENC-HA61-0.6
I5NB-LEU-HA76-0.3
I5NB-LOC-HA93-0.6
I5NB-PO1-HA102-0.6
I5NB-PO1-HA104-0.3
I5NB-P01-HA107-0.6
I5NB-PAL-HA113-0.3
I5NB-PAL-HA114-0.3
I5NB-CAN-HA118-0.3
I5NB-CAN-HA122-1.0
I5NB-CAS-HA142-0.3
I5NB-VIS-HA151-0.3
I5NB-VIS-HA152-0.3

TCLP:

I5NB-ENC-HA51-0.3
I5NB-LEU-HA76-0.3
I5NB-LOC-HA93-0.6
I5NB-PO1-HA104-0.3
I5NB-PAL-HA113-0.3
I5NB-CAN-HA118-0.3
I5NB-CAN-HA122-1.0
I5NB-CAS-HA142-0.3
I5NB-VIS-HA152-0.3

If you have any questions about these additional analyses, please do not hesitate to call or email.

Thanks,
Scott

Scott Snyder, PG, HG
Senior Hydrogeologist
Ninyo & Moore
5710 Ruffin Road
San Diego, California 92122
858.576.1000 x1255

April 05, 2006

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 082867

RE: Caltrans I-5, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on March 14, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: *05-Apr-06*

CLIENT: Ninyo & Moore
Project: Caltrans I-5, 105812001
Lab Order: 082867
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
082867-001A	I5NB-ENC-HA64-1.4	Soil	3/13/2006	3/14/2006	4/5/2006
082867-001B	I5NB-ENC-HA64-1.4	Soil	3/13/2006	3/14/2006	4/5/2006
082867-001C	I5NB-ENC-HA64-1.4	Soil	3/13/2006	3/14/2006	4/5/2006
082867-002A	I5NB-ENC-HA65-0.3	Soil	3/13/2006	3/14/2006	4/5/2006
082867-002B	I5NB-ENC-HA65-0.3	Soil	3/13/2006	3/14/2006	4/5/2006
082867-002C	I5NB-ENC-HA65-0.3	Soil	3/13/2006	3/14/2006	4/5/2006
082867-003A	I5NB-ENC-HA66-1.0	Soil	3/13/2006	3/14/2006	4/5/2006
082867-003B	I5NB-ENC-HA66-1.0	Soil	3/13/2006	3/14/2006	4/5/2006
082867-003C	I5NB-ENC-HA66-1.0	Soil	3/13/2006	3/14/2006	4/5/2006
082867-004A	I5NB-ENC-HA67-1.0	Soil	3/13/2006	3/14/2006	4/5/2006
082867-005A	I5NB-ENC-HA68-1.0	Soil	3/13/2006	3/14/2006	4/5/2006
082867-006A	I5NB-LEU-HA69-1.0	Soil	3/13/2006	3/14/2006	4/5/2006
082867-007A	I5NB-LEU-HA70-1.0	Soil	3/13/2006	3/14/2006	4/5/2006
082867-008A	I5NB-LEU-HA71-0.3	Soil	3/13/2006	3/14/2006	4/5/2006
082867-009A	I5NB-LEU-HA72-1.0	Soil	3/13/2006	3/14/2006	4/5/2006
082867-010A	I5NB-LEU-HA74-0.3	Soil	3/13/2006	3/14/2006	4/5/2006
082867-010B	I5NB-LEU-HA74-0.3	Soil	3/13/2006	3/14/2006	4/5/2006
082867-010C	I5NB-LEU-HA74-0.3	Soil	3/13/2006	3/14/2006	4/5/2006
082867-011A	I5NB-LEU-HA75-0.3	Soil	3/13/2006	3/14/2006	4/5/2006
082867-011B	I5NB-LEU-HA75-0.3	Soil	3/13/2006	3/14/2006	4/5/2006
082867-011C	I5NB-LEU-HA75-0.3	Soil	3/13/2006	3/14/2006	4/5/2006
082867-012A	I5NB-LEU-HA76-0.3	Soil	3/13/2006	3/14/2006	4/5/2006
082867-013A	I5NB-LEU-HA77-0.3	Soil	3/13/2006	3/14/2006	4/5/2006
082867-014A	I5NB-LEU-HA78-0.3	Soil	3/13/2006	3/14/2006	4/5/2006
082867-015A	I5NB-LEU-HA79-1.4	Soil	3/13/2006	3/14/2006	4/5/2006
082867-016A	Equip-HA-031306	Water	3/13/2006	3/14/2006	4/5/2006
082867-016B	Equip-HA-031306	Water	3/13/2006	3/14/2006	4/5/2006
082867-016C	Equip-HA-031306	Water	3/13/2006	3/14/2006	4/5/2006
082867-016D	Equip-HA-031306	Water	3/13/2006	3/14/2006	4/5/2006

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CASE NARRATIVE

The samples for EPA 8141 analysis were subcontracted to D-tek Analytical Laboratories, Inc. with ELAP Cert. 2344.

The samples for EPA 8151 analysis were subcontracted to Sierra Analytical Laboratories, Inc. with ELAP Cert. 2320.

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *05-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5NB-ENC-HA64-1.4
Lab Order:	082867	**Tag Number:**	
Project:	Caltrans I-5, 105812001	**Collection Date:**	3/13/2006 9:35:00 AM
Lab ID:	082867-001A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD						
	EPA 3550B			**EPA 8082**		
RunID: GC5_060328A	QC Batch: 27332				PrepDate: 3/27/2006	Analyst: **EES**
Aroclor 1016	ND	16		µg/Kg	1	3/28/2006
Aroclor 1221	ND	33		µg/Kg	1	3/28/2006
Aroclor 1232	ND	16		µg/Kg	1	3/28/2006
Aroclor 1242	ND	16		µg/Kg	1	3/28/2006
Aroclor 1248	ND	16		µg/Kg	1	3/28/2006
Aroclor 1254	ND	16		µg/Kg	1	3/28/2006
Aroclor 1260	ND	16		µg/Kg	1	3/28/2006
Aroclor 1262	ND	16		µg/Kg	1	3/28/2006
Aroclor 1268	ND	16		µg/Kg	1	3/28/2006
Surr: Decachlorobiphenyl	94.1	44-132		%REC	1	3/28/2006
Surr: Tetrachloro-m-xylene	105	63-130		%REC	1	3/28/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: *05-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5NB-ENC-HA65-0.3
Lab Order:	082867	**Tag Number:**	
Project:	Caltrans I-5, 105812001	**Collection Date:**	3/13/2006 9:45:00 AM
Lab ID:	082867-002A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD						
	EPA 3550B			**EPA 8082**		
RunID: GC5_060328A	QC Batch: 27332				PrepDate: 3/27/2006	Analyst: **EES**
Aroclor 1016	ND	16		µg/Kg	1	3/28/2006
Aroclor 1221	ND	33		µg/Kg	1	3/28/2006
Aroclor 1232	ND	16		µg/Kg	1	3/28/2006
Aroclor 1242	ND	16		µg/Kg	1	3/28/2006
Aroclor 1248	ND	16		µg/Kg	1	3/28/2006
Aroclor 1254	ND	16		µg/Kg	1	3/28/2006
Aroclor 1260	ND	16		µg/Kg	1	3/28/2006
Aroclor 1262	ND	16		µg/Kg	1	3/28/2006
Aroclor 1268	ND	16		µg/Kg	1	3/28/2006
Surr: Decachlorobiphenyl	92.7	44-132		%REC	1	3/28/2006
Surr: Tetrachloro-m-xylene	107	63-130		%REC	1	3/28/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: *05-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5NB-ENC-HA66-1.0
Lab Order:	082867	**Tag Number:**	
Project:	Caltrans I-5, 105812001	**Collection Date:**	3/13/2006 9:55:00 AM
Lab ID:	082867-003A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD						
	EPA 3550B			**EPA 8082**		
RunID: GC5_060328A	QC Batch: 27332				PrepDate: 3/27/2006	Analyst: **EES**
Aroclor 1016	ND	16		µg/Kg	1	3/28/2006
Aroclor 1221	ND	33		µg/Kg	1	3/28/2006
Aroclor 1232	ND	16		µg/Kg	1	3/28/2006
Aroclor 1242	ND	16		µg/Kg	1	3/28/2006
Aroclor 1248	ND	16		µg/Kg	1	3/28/2006
Aroclor 1254	ND	16		µg/Kg	1	3/28/2006
Aroclor 1260	ND	16		µg/Kg	1	3/28/2006
Aroclor 1262	ND	16		µg/Kg	1	3/28/2006
Aroclor 1268	ND	16		µg/Kg	1	3/28/2006
Surr: Decachlorobiphenyl	95.7	44-132		%REC	1	3/28/2006
Surr: Tetrachloro-m-xylene	110	63-130		%REC	1	3/28/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: *05-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5NB-LEU-HA75-0.3
Lab Order:	082867	**Tag Number:**	
Project:	Caltrans I-5, 105812001	**Collection Date:**	3/13/2006 1:40:00 PM
Lab ID:	082867-011A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD						
	EPA 3550B			**EPA 8082**		
RunID: GC5_060328A	QC Batch: 27332				PrepDate: 3/27/2006	Analyst: **EES**
Aroclor 1016	ND	16		µg/Kg	1	3/28/2006
Aroclor 1221	ND	33		µg/Kg	1	3/28/2006
Aroclor 1232	ND	16		µg/Kg	1	3/28/2006
Aroclor 1242	ND	16		µg/Kg	1	3/28/2006
Aroclor 1248	ND	16		µg/Kg	1	3/28/2006
Aroclor 1254	ND	16		µg/Kg	1	3/28/2006
Aroclor 1260	ND	16		µg/Kg	1	3/28/2006
Aroclor 1262	ND	16		µg/Kg	1	3/28/2006
Aroclor 1268	ND	16		µg/Kg	1	3/28/2006
Surr: Decachlorobiphenyl	101	44-132		%REC	1	3/28/2006
Surr: Tetrachloro-m-xylene	115	63-130		%REC	1	3/28/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

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CLIENT: Ninyo & Moore
Work Order: 082867
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_S

Sample ID: **MB-27137** SampType: **MBLK** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **3/16/2006** RunNo: **60747**
Client ID: **PBS** Batch ID: **27137** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **3/17/2006** SeqNo: **898553**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	16									
Aroclor 1221	ND	33									
Aroclor 1232	ND	16									
Aroclor 1242	ND	16									
Aroclor 1248	ND	16									
Aroclor 1254	ND	16									
Aroclor 1260	ND	16									
Aroclor 1262	ND	16									
Aroclor 1268	ND	16									
Surr: Decachlorobiphenyl	15		16.65		90.0	44	132				
Surr: Tetrachloro-m-xylene	18		16.65		108	63	130				

Sample ID: **LCS-27137** SampType: **LCS** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **3/16/2006** RunNo: **60747**
Client ID: **LCSS** Batch ID: **27137** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **3/17/2006** SeqNo: **898554**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	160	16	166.6	0	93.9	77	106				
Aroclor 1260	170	16	166.6	0	99.8	78	114				
Surr: Decachlorobiphenyl	16		16.65		95.8	44	132				
Surr: Tetrachloro-m-xylene	18		16.65		110	63	130				

Sample ID: **082840-017AMS** SampType: **MS** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **3/16/2006** RunNo: **60747**
Client ID: **ZZZZZZ** Batch ID: **27137** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **3/17/2006** SeqNo: **898660**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	160	16	166.6	0	97.8	70	112				
Aroclor 1260	160	16	166.6	0	97.6	68	118				
Surr: Decachlorobiphenyl	16		16.65		97.8	44	132				
Surr: Tetrachloro-m-xylene	18		16.65		106	63	130				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
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CLIENT: Ninyo & Moore
Work Order: 082867
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_S

Sample ID: **082840-017AMSD** SampType: **MSD** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **3/16/2006** RunNo: **60747**
Client ID: **ZZZZZZ** Batch ID: **27137** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **3/17/2006** SeqNo: **898661**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	170	16	166.6	0	103	70	112	163.0	5.56	30	
Aroclor 1260	170	16	166.6	0	103	68	118	162.7	5.61	30	
Surr: Decachlorobiphenyl	16		16.65		97.0	44	132		0	0	
Surr: Tetrachloro-m-xylene	20		16.65		118	63	130		0	0	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 082867
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_S

Sample ID: **MB-27332** SampType: **MBLK** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **3/27/2006** RunNo: **61288**
Client ID: **PBS** Batch ID: **27332** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **3/28/2006** SeqNo: **907451**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	16									
Aroclor 1221	ND	33									
Aroclor 1232	ND	16									
Aroclor 1242	ND	16									
Aroclor 1248	ND	16									
Aroclor 1254	ND	16									
Aroclor 1260	ND	16									
Aroclor 1262	ND	16									
Aroclor 1268	ND	16									
Surr: Decachlorobiphenyl	14		16.65		82.0	44	132				
Surr: Tetrachloro-m-xylene	16		16.65		97.0	63	130				

Sample ID: **LCS-27332** SampType: **LCS** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **3/27/2006** RunNo: **61288**
Client ID: **LCSS** Batch ID: **27332** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **3/28/2006** SeqNo: **907452**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	150	16	166.6	0	90.5	77	106				
Aroclor 1260	140	16	166.6	0	84.3	78	114				
Surr: Decachlorobiphenyl	14		16.65		85.9	44	132				
Surr: Tetrachloro-m-xylene	18		16.65		109	63	130				

Sample ID: **082867-003AMS** SampType: **MS** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **3/27/2006** RunNo: **61288**
Client ID: **I5NB-ENC-HA66-1.0** Batch ID: **27332** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **3/28/2006** SeqNo: **907453**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	180	16	166.6	0	105	70	112				
Aroclor 1260	160	16	166.6	0	94.2	68	118				
Surr: Decachlorobiphenyl	16		16.65		95.3	44	132				
Surr: Tetrachloro-m-xylene	18		16.65		105	63	130				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 082867
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_S

Sample ID: **082867-003AMSD** SampType: **MSD** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **3/27/2006** RunNo: **61288**
Client ID: **I5NB-ENC-HA66-1.0** Batch ID: **27332** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **3/28/2006** SeqNo: **907454**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	160	16	166.6	0	96.1	70	112	175.8	9.26	30	
Aroclor 1260	140	16	166.6	0	86.7	68	118	156.9	8.28	30	
Surr: Decachlorobiphenyl	15		16.65		90.3	44	132		0	0	
Surr: Tetrachloro-m-xylene	17		16.65		100	63	130		0	0	

Sample ID: **082867-001DUP** SampType: **DUP** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **3/27/2006** RunNo: **61288**
Client ID: **ZZZZZZ** Batch ID: **27332** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **3/28/2006** SeqNo: **907461**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	16									
Aroclor 1221	ND	33									
Aroclor 1232	ND	16									
Aroclor 1242	ND	16									
Aroclor 1248	ND	16									
Aroclor 1254	ND	16									
Aroclor 1260	ND	16									
Aroclor 1262	ND	16									
Aroclor 1268	ND	16									
Surr: Decachlorobiphenyl	16		16.65		98.0	44	132				
Surr: Tetrachloro-m-xylene	18		16.65		110	63	130				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
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D-TEK Analytical Laboratories, Inc.
9020 Kenamar Drive, Suite 205
San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	**4/4/06**
Sampling Date:	**3/13/06**
Date Sample Received:	**3/28/06**
Date Extracted:	**3/28/06**
Date Analyzed:	**April 1, 2006**
Analyzed By:	**EA**
Method:	**EPA 8141A**
Sample Type:	**Soil**
Sample Log Number:	**06-2050 to 06-2053**

The sample(s) were analyzed with EPA methodology or equivalent methods as specified on the attached "Analyses Results" report. The symbol for "less than" indicates a value below the reportable detection limit.

The results of these analyses and the quality control data are enclosed.

Ellen Atienza
Operations Manager

D-TEK Analytical Laboratories, Inc.
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San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	**4/4/06**
Sampling Date:	**3/13/06**
Date Sample Received:	**3/28/06**
Date Extracted:	**3/28/06**
Date Analyzed:	**April 1, 2006**
Analyzed By:	**EA**
Sample Type:	**Soil**
Method:	**EPA 8141A**
Units:	**µg/kg**

ANALYSES RESULTS

Analysis	**Detection Limit**	**Log Number:**	**06-2050**	**06-2051**
		Sample ID:	**082867-001B**	**082867-002B**
			15NB-ENC-HA64-1.4	**15NB-ENC-HA65-0.3**
Azinphos Methyl	5.0		<DL	<DL
Bolstar	5.0		<DL	<DL
Coumaphos	5.0		<DL	<DL
Demeton	5.0		<DL	<DL
Diazinon	5.0		<DL	<DL
Dichlorvos	5.0		<DL	<DL
Disulfoton	5.0		<DL	<DL
Dursban (Chlorpyrifos)	5.0		<DL	<DL
Ethoprop	5.0		<DL	<DL
Fensulfothion	10.0		<DL	<DL
Fenthion	5.0		<DL	<DL
Gardona (Stirophos)	5.0		<DL	<DL
Malathion	5.0		<DL	<DL
Merphos	5.0		<DL	<DL
Methyl Parathion	5.0		<DL	<DL
Mevinphos	5.0		<DL	<DL
Naled	5.0		<DL	<DL
Phorate	5.0		<DL	<DL
Ronnel	5.0		<DL	<DL
Tokuthion	5.0		<DL	<DL
Trichloronate	5.0		<DL	<DL

Ellen Atienza
Operations Manager

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San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	**4/4/06**
Sampling Date:	**3/13/06**
Date Sample Received:	**3/28/06**
Date Extracted:	**3/28/06**
Date Analyzed:	**April 1, 2006**
Analyzed By:	**EA**
Sample Type:	**Soil**
Method:	**EPA 8141A**
Units:	**µg/kg**

ANALYSES RESULTS

Analysis	**Detection Limit**	**Log Number:**	**06-2052**	**06-2053**
		Sample ID:	**082867-003B**	**082867-011B**
			15NB-ENC-HA66-1.0	**15NB-ENC-HA75-0.3**
Azinphos Methyl	5.0		<DL	<DL
Bolstar	5.0		<DL	<DL
Coumaphos	5.0		<DL	<DL
Demeton	5.0		<DL	<DL
Diazinon	5.0		<DL	<DL
Dichlorvos	5.0		<DL	<DL
Disulfoton	5.0		<DL	<DL
Dursban (Chlorpyrifos)	5.0		<DL	<DL
Ethoprop	5.0		<DL	<DL
Fensulfothion	10.0		<DL	<DL
Fenthion	5.0		<DL	<DL
Gardona (Stirophos)	5.0		<DL	<DL
Malathion	5.0		<DL	<DL
Merphos	5.0		<DL	<DL
Methyl Parathion	5.0		<DL	<DL
Mevinphos	5.0		<DL	<DL
Naled	5.0		<DL	<DL
Phorate	5.0		<DL	<DL
Ronnel	5.0		<DL	<DL
Tokuthion	5.0		<DL	<DL
Trichloronate	5.0		<DL	<DL

Ellen Atienza
Operations Manager

D-TEK Analytical Laboratories, Inc.
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San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

QUALITY CONTROL DATA REPORT

Date:	4/4/06
Attn:	Ms. Rachelle Arada
Date Extracted:	3/28/06
Date Analyzed:	April 1, 2006
Analysis Method:	EPA 8141A
Log #:	06-2050 to 06-2053

Method Blank

No target analytes were detected in the method blank.

Laboratory Control Sample

Compound	% Recovery	QC Limits	DUP % Recovery	%RPD	RPD Limits
Diazinon	104	40-130	108	4	30
Methyl Parathion	103	40-130	109	6	30
Dursban (Chlorpyrifos)	89	40-130	108	19	30
Gardona (Stirophos)	94	40-130	96	2	30

SURROGATE RECOVERIES
(Tributylphosphate)

Log #	Percent Recovery:
Method Blank	115
06-2050	99
06-2051	115
06-2052	123
06-2053	99
LCS	92
LCS Dup	99

QC limits: 50 to 170%

Ellen Atienza
Operations Manager

QUALITY CONTROL TERMINOLOGY

- **LCS - LABORATORY CONTROL SAMPLE.** Reported as % recovery of an independent standard carried through all sample preparation procedures to verify method performance. Acceptable range is based on historical laboratory control data and EPA requirements. Any out-of-control QC data is clearly indicated.
- **Spike-** environmental sample is matrix spiked with method compounds and % recovery of concentration spiked into sample is calculated. Reported as % recovery. Acceptable range for "Normal Matrix Sample" is based on historical laboratory control data. Any out-of-control QC data is clearly indicated.
- **Surrogates-** Compounds representative of a group of compounds. Surrogates are spiked into environmental samples and % recovery of concentration spiked is calculated and reported. Acceptable range varies depending on sample matrix and analysis method. Any out-of-control QC data is clearly indicated.

0611625

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755-5225
TEL: *5629894045* FAX: *5629894040*

CHAIN-OF-CUSTODY RECORD

QC Level: CT

Subcontractor:

D-Tek
9020 Kenamar Drive, Suite 205
San Diego, CA 92121

TEL: (858) 566-4540
FAX: (858) 566-4542
Acct #:

27-Mar-06

	Sample ID	Matrix	Date Collected	Bottle Type	Requested Tests EPA 8141A	
082867-001B	/ I5NB-ENC-HA64-1.4	Soil	3/13/2006 9:35:00 AM	4OZG	1	06-2050
082867-002B	/ I5NB-ENC-HA65-0.3	Soil	3/13/2006 9:45:00 AM	4OZG	1	06-2051
082867-003B	/ I5NB-ENC-HA66-1.0	Soil	3/13/2006 9:55:00 AM	4OZG	1	06-2052
082867-011B	/ I5NB-LEU-HA75-0.3	Soil	3/13/2006 1:40:00 PM	4OZG	1	06-2053

General Comments: Please use PO#: SC00479 Please fax results by: NORMAL TAT
SEND REPORT TO RACHELLE ARADA

		Date/Time			Date/Time
Relinquished by:		3/27/06 1830	Received by:		3-27-06 7:00p
Relinquished by:		3-28-06 9:15	Received by:		3/28/06 0915

Advanced Technology Labs	Project:	NA	
3275 Walnut Avenue	Project Number:	PO# SC00480	**Reported:**
Signal Hill CA, 90755	Project Manager:	Rachelle Arada	03/30/06 12:19

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
082867-001C / 15NB-ENC-HA64-1.4	0603607-01	Soil	03/13/06 09:35	03/28/06 10:15
082867-002C / 15NB-ENC-HA65-0.3	0603607-02	Soil	03/13/06 09:45	03/28/06 10:15
082867-003C / 15NB-ENC-HA66-1.0	0603607-03	Soil	03/13/06 09:55	03/28/06 10:15
082867-011C / 15NB-LEU-HA75-0.3	0603607-04	Soil	03/13/06 13:40	03/28/06 10:15

CASE NARRATIVE

SAMPLE RECEIPT:	Samples were received intact, at 4 °C, and accompanied by chain of custody documentation.
PRESERVATION:	Samples requiring preservation were verified prior to sample preparation and analysis.
HOLDING TIMES:	All holding times were met, unless otherwise noted in the report with data qualifiers.
QA/QC CRITERIA:	All quality objective criteria were met, except as noted in the report with data qualifiers.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Labs	Project: NA	
3275 Walnut Avenue	Project Number: PO# SC00480	**Reported:**
Signal Hill CA, 90755	Project Manager: Rachelle Arada	03/30/06 12:19

Chlorinated Herbicides by EPA Method 8151A

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
082867-001C / 15NB-ENC-HA64-1.4 (0603607-01) Soil Sampled: 03/13/06 09:35 Received: 03/28/06 10:15									
2,4,5-T	ND	1.6	µg/kg	1	B6C3023	03/28/06	03/29/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*64.0 %*	*35-150*		*"*	*"*	*"*	*"*	
082867-002C / 15NB-ENC-HA65-0.3 (0603607-02) Soil Sampled: 03/13/06 09:45 Received: 03/28/06 10:15									
2,4,5-T	ND	1.6	µg/kg	1	B6C3023	03/28/06	03/29/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*114 %*	*35-150*		*"*	*"*	*"*	*"*	

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Advanced Technology Labs	Project:	NA	
3275 Walnut Avenue	Project Number:	PO# SC00480	**Reported:**
Signal Hill CA, 90755	Project Manager:	Rachelle Arada	03/30/06 12:19

Chlorinated Herbicides by EPA Method 8151A

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
082867-003C / 15NB-ENC-HA66-1.0 (0603607-03) Soil Sampled: 03/13/06 09:55 Received: 03/28/06 10:15									
2,4,5-T	ND	1.6	µg/kg	1	B6C3023	03/28/06	03/29/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*64.9 %*	*35-150*		*"*	*"*	*"*	*"*	
082867-011C / 15NB-LEU-HA75-0.3 (0603607-04) Soil Sampled: 03/13/06 13:40 Received: 03/28/06 10:15									
2,4,5-T	ND	1.6	µg/kg	1	B6C3023	03/28/06	03/29/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*55.7 %*	*35-150*		*"*	*"*	*"*	*"*	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Labs	Project:	NA	
3275 Walnut Avenue	Project Number:	PO# SC00480	**Reported:**
Signal Hill CA, 90755	Project Manager:	Rachelle Arada	03/30/06 12:19

Chlorinated Herbicides by EPA Method 8151A - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6C3023 - EPA 3550B Solid Ext										
Blank (B6C3023-BLK1)				Prepared & Analyzed: 03/29/06						
2,4,5-T	ND	1.6	µg/kg							
2,4,5-TP (Silvex)	ND	1.6	"							
2,4-D	ND	1.6	"							
2,4-DB	ND	4.0	"							
3,5-Dichlorobenzoic acid	ND	2.0	"							
4-Nitrophenol	ND	2.0	"							
Acifluorfen	ND	1.6	"							
Bentazon	ND	1.6	"							
Chloramben	ND	1.6	"							
Dalapon	ND	20	"							
DCPA diacid	ND	1.6	"							
Dicamba	ND	1.6	"							
Dichlorprop	ND	1.6	"							
Dinoseb	ND	1.6	"							
Pentachlorophenol	ND	1.6	"							
Picloram	ND	1.6	"							
Surrogate: 2,4-Dichlorophenylacetic Acid	*67.1*		*"*	*100*		*67.1*	*35-150*			
LCS (B6C3023-BS1)				Prepared & Analyzed: 03/29/06						
2,4,5-T	7.29	1.6	µg/kg	10.0		72.9	20-150			
2,4,5-TP (Silvex)	9.06	1.6	"	10.0		90.6	20-150			
Dinoseb	6.77	1.6	"	10.0		67.7	20-150			
LCS (B6C3023-BS2)				Prepared & Analyzed: 03/29/06						
2,4,5-T	7.19	1.6	µg/kg	10.0		71.9	20-150			
2,4,5-TP (Silvex)	8.96	1.6	"	10.0		89.6	20-150			
Dinoseb	6.64	1.6	"	10.0		66.4	20-150			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

26052 Merit Circle Suite 105, Laguna Hills, California 92653
Telephone: (949) 348-9389 Fax: (949) 348-9115
E-Mail: sierralabs @ sierralabs.net

Advanced Technology Labs	Project: NA	
3275 Walnut Avenue	Project Number: PO# SC00480	**Reported:**
Signal Hill CA, 90755	Project Manager: Rachelle Arada	03/30/06 12:19

Chlorinated Herbicides by EPA Method 8151A - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6C3023 - EPA 3550B Solid Ext										
LCS Dup (B6C3023-BSD1)				Prepared & Analyzed: 03/29/06						
2,4,5-T	7.50	1.6	µg/kg	10.0		75.0	20-150	2.84	30	
2,4,5-TP (Silvex)	9.31	1.6	"	10.0		93.1	20-150	2.72	30	
Dinoseb	6.90	1.6	"	10.0		69.0	20-150	1.90	30	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755-5225
TEL: *5629894045* FAX: *5629894040*

CHAIN-OF-CUSTODY RECORD

QC Level: CT

Subcontractor:

Sierra Laboratories
26052 Merit Circle Suite 105
Laguna Hills, CA 92653

TEL: (949) 348-9389
FAX: (949) 348-9115
Acct #:

27-Mar-06

Sample ID	Matrix	Date Collected	Bottle Type	Requested Tests: EPA 8151				
082867-001C / I5NB-ENC-HA64-1.4	Soil	3/13/2006 9:35:00 AM	4OZG	1				
082867-002C / I5NB-ENC-HA65-0.3	Soil	3/13/2006 9:45:00 AM	4OZG	1				
082867-003C / I5NB-ENC-HA66-1.0	Soil	3/13/2006 9:55:00 AM	4OZG	1				
082867-011C / I5NB-LEU-HA75-0.3	Soil	3/13/2006 1:40:00 PM	4OZG	1				

General Comments: Please use PO#: SC00480 Please fax results by: NORMAL TAT

SEND REPORT TO RACHELLE ARADA

		Date/Time			Date/Time
Relinquished by:		3/27/06 1830	Received by:		3-27-06 7:00p
Relinquished by:		3-28-06 10:15a	Received by:		3-28-06 10:15

Sverma

Rachelle Arada

From: Scott Snyder [ssnyder@ninyoandmoore.com]
Sent: Monday, March 27, 2006 4:47 PM
To: Rachelle Arada
Subject: additional analyses

Rachelle,

I would like to request some additional analyses for some samples you already have for our Caltrans project:

USEPA 8082/8141/8151

I5NB-ENC-HA52-1.0
I5NB-ENC-HA57-1.4
I5NB-ENC-HA59-0.3
I5NB-ENC-HA60-1.0
I5NB-ENC-HA64-1.4
I5NB-ENC-HA65-0.3
I5NB-ENC-HA66-1.0
I5NB-LEU-HA73-0.3
I5NB-LEU-HA75-0.3
I5NB-PAL-HA112-0.3
I5NB-PAL-HA113-0.3
I5NB-CAN-HA120-0.3

Please let me know if you have any questions.

Thanks,
Scott

Scott Snyder, PG, HG
Senior Hydrogeologist
Ninyo & Moore
5710 Ruffin Road
San Diego, California 92122
858.576.1000 x1255

Advanced Technology Labs	Project:	NA	
3275 Walnut Avenue	Project Number:	PO# SC00444	**Reported:**
Signal Hill CA, 90755	Project Manager:	Rachelle Arada	03/27/06 14:11

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
082867-010C / 15NB-LEU-HA74-0.3	0603392-01	Soil	03/13/06 13:30	03/16/06 08:00
082867-016D / Equip-HA-031306	0603392-02	Liquid	03/13/06 15:30	03/16/06 08:00

CASE NARRATIVE

SAMPLE RECEIPT:	Samples were received intact, at 4 °C, and accompanied by chain of custody documentation.
PRESERVATION:	Samples requiring preservation were verified prior to sample preparation and analysis.
HOLDING TIMES:	All holding times were met, unless otherwise noted in the report with data qualifiers.
QA/QC CRITERIA:	All quality objective criteria were met, except as noted in the report with data qualifiers.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Labs	Project: NA	
3275 Walnut Avenue	Project Number: PO# SC00444	**Reported:**
Signal Hill CA, 90755	Project Manager: Rachelle Arada	03/27/06 14:11

Chlorinated Herbicides by EPA Method 8151A

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
082867-010C / 15NB-LEU-HA74-0.3 (0603392-01) Soil Sampled: 03/13/06 13:30 Received: 03/16/06 08:00									
2,4,5-T	ND	1.6	µg/kg	1	B6C2415	03/22/06	03/22/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*58.9 %*	*35-150*		*"*	*"*	*"*	*"*	
082867-016D / Equip-HA-031306 (0603392-02) Liquid Sampled: 03/13/06 15:30 Received: 03/16/06 08:00									
2,4,5-T	ND	0.080	µg/L	1	B6C2245	03/17/06	03/22/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	0.080	"	"	"	"	"	"	
2,4-D	ND	0.080	"	"	"	"	"	"	
2,4-DB	ND	0.20	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	0.10	"	"	"	"	"	"	
4-Nitrophenol	ND	0.10	"	"	"	"	"	"	
Acifluorfen	ND	0.080	"	"	"	"	"	"	
Bentazon	ND	0.080	"	"	"	"	"	"	
Chloramben	ND	0.080	"	"	"	"	"	"	
Dalapon	ND	1.0	"	"	"	"	"	"	
DCPA diacid	ND	0.080	"	"	"	"	"	"	
Dicamba	ND	0.080	"	"	"	"	"	"	
Dichlorprop	ND	0.080	"	"	"	"	"	"	
Dinoseb	ND	0.080	"	"	"	"	"	"	
Pentachlorophenol	ND	0.080	"	"	"	"	"	"	
Picloram	ND	0.080	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*62.6 %*	*35-150*		*"*	*"*	*"*	*"*	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Labs	Project:	NA	
3275 Walnut Avenue	Project Number:	PO# SC00444	**Reported:**
Signal Hill CA, 90755	Project Manager:	Rachelle Arada	03/27/06 14:11

Chlorinated Herbicides by EPA Method 8151A - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6C2245 - EPA 3510C Sep Funnel										
Blank (B6C2245-BLK1)				Prepared: 03/21/06 Analyzed: 03/22/06						
2,4,5-T	ND	0.080	µg/L							
2,4,5-TP (Silvex)	ND	0.080	"							
2,4-D	ND	0.080	"							
2,4-DB	ND	0.20	"							
3,5-Dichlorobenzoic acid	ND	0.10	"							
4-Nitrophenol	ND	0.10	"							
Acifluorfen	ND	0.080	"							
Bentazon	ND	0.080	"							
Chloramben	ND	0.080	"							
Dalapon	ND	1.0	"							
DCPA diacid	ND	0.080	"							
Dicamba	ND	0.080	"							
Dichlorprop	ND	0.080	"							
Dinoseb	ND	0.080	"							
Pentachlorophenol	ND	0.080	"							
Picloram	ND	0.080	"							
Surrogate: 2,4-Dichlorophenylacetic Acid	*4.10*		*"*	*5.00*		*82.0*	*35-150*			
LCS (B6C2245-BS1)				Prepared: 03/21/06 Analyzed: 03/22/06						
2,4,5-T	0.228	0.080	µg/L	0.500		45.6	20-150			
2,4,5-TP (Silvex)	0.374	0.080	"	0.500		74.8	20-150			
LCS (B6C2245-BS2)				Prepared: 03/21/06 Analyzed: 03/22/06						
2,4,5-T	0.219	0.080	µg/L	0.500		43.8	20-150			
2,4,5-TP (Silvex)	0.366	0.080	"	0.500		73.2	20-150			
LCS Dup (B6C2245-BSD1)				Prepared: 03/21/06 Analyzed: 03/22/06						
2,4,5-T	0.223	0.080	µg/L	0.500		44.6	20-150	2.22	30	
2,4,5-TP (Silvex)	0.365	0.080	"	0.500		73.0	20-150	2.44	30	

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Advanced Technology Labs	Project:	NA	
3275 Walnut Avenue	Project Number:	PO# SC00444	**Reported:**
Signal Hill CA, 90755	Project Manager:	Rachelle Arada	03/27/06 14:11

Chlorinated Herbicides by EPA Method 8151A - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6C2415 - EPA 3550B Solid Ext										
Blank (B6C2415-BLK1)				Prepared & Analyzed: 03/22/06						
2,4,5-T	ND	1.6	µg/kg							
2,4,5-TP (Silvex)	ND	1.6	"							
2,4-D	ND	1.6	"							
2,4-DB	ND	4.0	"							
3,5-Dichlorobenzoic acid	ND	2.0	"							
4-Nitrophenol	ND	2.0	"							
Acifluorfen	ND	1.6	"							
Bentazon	ND	1.6	"							
Chloramben	ND	1.6	"							
Dalapon	ND	20	"							
DCPA diacid	ND	1.6	"							
Dicamba	ND	1.6	"							
Dichlorprop	ND	1.6	"							
Dinoseb	ND	1.6	"							
Pentachlorophenol	ND	1.6	"							
Picloram	ND	1.6	"							
Surrogate: 2,4-Dichlorophenylacetic Acid	*65.3*		*"*	*100*		*65.3*	*35-150*			
LCS (B6C2415-BS1)				Prepared & Analyzed: 03/22/06						
2,4,5-T	5.68	1.6	µg/kg	10.0		56.8	20-150			
2,4,5-TP (Silvex)	8.31	1.6	"	10.0		83.1	20-150			
Dinoseb	6.60	1.6	"	10.0		66.0	20-150			
LCS (B6C2415-BS2)				Prepared & Analyzed: 03/22/06						
2,4,5-T	5.51	1.6	µg/kg	10.0		55.1	20-150			
2,4,5-TP (Silvex)	8.14	1.6	"	10.0		81.4	20-150			
Dinoseb	6.46	1.6	"	10.0		64.6	20-150			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653
TELEPHONE: (949) 348-9389 FAX: (949) 348-9115
E-MAIL: SIERRALABS @ SIERRALABS.NET

Advanced Technology Labs	Project: NA	
3275 Walnut Avenue	Project Number: PO# SC00444	**Reported:**
Signal Hill CA, 90755	Project Manager: Rachelle Arada	03/27/06 14:11

Chlorinated Herbicides by EPA Method 8151A - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6C2415 - EPA 3550B Solid Ext										
LCS Dup (B6C2415-BSD1)				Prepared & Analyzed: 03/22/06						
2,4,5-T	5.60	1.6	µg/kg	10.0		56.0	20-150	1.42	30	
2,4,5-TP (Silvex)	8.20	1.6	"	10.0		82.0	20-150	1.33	30	
Dinoseb	6.53	1.6	"	10.0		65.3	20-150	1.07	30	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Labs	Project:	NA	
3275 Walnut Avenue	Project Number:	PO# SC00444	**Reported:**
Signal Hill CA, 90755	Project Manager:	Rachelle Arada	03/27/06 14:11

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

March 24, 2006

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 082962

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

RE: Caltrans I-5, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on March 16, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

for

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: *24-Mar-06*

CLIENT: Ninyo & Moore
Project: Caltrans I-5, 105812001
Lab Order: 082962
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
082962-001A	I5NB-LEU-HA80-1.4	Soil	3/14/2006	3/16/2006	3/24/2006
082962-002A	I5NB-LEU-HA81-1.0	Soil	3/14/2006	3/16/2006	3/24/2006
082962-003A	I5NB-LEU-HA82-0.3	Soil	3/14/2006	3/16/2006	3/24/2006
082962-004A	I5NB-LEU-HA83-0.3	Soil	3/14/2006	3/16/2006	3/24/2006
082962-005A	I5NB-LEU-HA84-0.6	Soil	3/14/2006	3/16/2006	3/24/2006
082962-005B	I5NB-LEU-HA84-0.6	Soil	3/14/2006	3/16/2006	3/24/2006
082962-005C	I5NB-LEU-HA84-0.6	Soil	3/14/2006	3/16/2006	3/24/2006
082962-006A	EQUIP-HA-031406	Water	3/14/2006	3/16/2006	3/24/2006
082962-006B	EQUIP-HA-031406	Water	3/14/2006	3/16/2006	3/24/2006
082962-006C	EQUIP-HA-031406	Water	3/14/2006	3/16/2006	3/24/2006
082962-006D	EQUIP-HA-031406	Water	3/14/2006	3/16/2006	3/24/2006

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Project: Caltrans I-5, 105812001
Lab Order: 082962

CASE NARRATIVE

The samples for EPA 8141 analysis were subcontracted to D-tek Analytical Laboratories, Inc. with ELAP Cert. 2344.

The samples for EPA 8151 analysis were subcontracted to Sierra Analytical Laboratories, Inc. with ELAP Cert. 2320.

Analytical Comments for EPA 6010B

RPD for Sample Duplicate (DUP) is outside criteria for samples 082963-005ADUP and 082964-007ADUP; however, the Laboratory Control Sample (LCS) validated the analytical batch.

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Date: 3/24/2006

LEAD BY ICP
EPA 6010B

CLIENT:	Ninyo & Moore	**Lab Order:**	082962
Project:	Caltrans I-5, 105812001	**Date Received**	3/16/2006 8:20:00 PM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
082962-001A	I5NB-LEU-HA80-1.4	2.2	mg/Kg	27188	1.0	1	3/14/2006	3/20/2006
082962-002A	I5NB-LEU-HA81-1.0	2.7	mg/Kg	27188	1.0	1	3/14/2006	3/20/2006
082962-003A	I5NB-LEU-HA82-0.3	3.5	mg/Kg	27188	1.0	1	3/14/2006	3/20/2006
082962-004A	I5NB-LEU-HA83-0.3	9.8	mg/Kg	27188	1.0	1	3/14/2006	3/20/2006
082962-005A	I5NB-LEU-HA84-0.6	5.2	mg/Kg	27188	1.0	1	3/14/2006	3/20/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/24/2006

LEAD BY ICP
EPA 6010B

CLIENT:	Ninyo & Moore	**Lab Order:**	082962
Project:	Caltrans I-5, 105812001	**Date Received**	3/16/2006 8:20:00 PM
Project No:		**Matrix:**	Water
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
082962-006A	EQUIP-HA-031406	ND	mg/L	27208	0.25	1	3/14/2006	3/22/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/24/2006

pH
EPA 9045C

CLIENT:	Ninyo & Moore	**Lab Order:**	082962
Project:	Caltrans I-5, 105812001	**Date Received**	3/16/2006 8:20:00 PM
Project No:		**Matrix:**	Soil
Analyte:	pH	**Analyst:**	RSJ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
082962-001A	I5NB-LEU-HA80-1.4	6.8	pH Units	R60909	0.10	1	3/14/2006	3/20/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *24-Mar-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5NB-LEU-HA84-0.6
Lab Order:	082962	**Tag Number:**	
Project:	Caltrans I-5, 105812001	**Collection Date:**	3/14/2006 2:35:00 PM
Lab ID:	082962-005A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3550B				**EPA 8081A**		
RunID: GC10_060322A	QC Batch: 27214			PrepDate:	3/21/2006	Analyst: **EES**
4,4'-DDD	ND	2.0		µg/Kg	1	3/22/2006 2:00:00 PM
4,4'-DDE	ND	2.0		µg/Kg	1	3/22/2006 2:00:00 PM
4,4'-DDT	ND	2.0		µg/Kg	1	3/22/2006 2:00:00 PM
Aldrin	ND	1.0		µg/Kg	1	3/22/2006 2:00:00 PM
alpha-BHC	ND	1.0		µg/Kg	1	3/22/2006 2:00:00 PM
alpha-Chlordane	ND	1.0		µg/Kg	1	3/22/2006 2:00:00 PM
beta-BHC	ND	1.0		µg/Kg	1	3/22/2006 2:00:00 PM
Chlordane	ND	8.5		µg/Kg	1	3/22/2006 2:00:00 PM
delta-BHC	ND	1.0		µg/Kg	1	3/22/2006 2:00:00 PM
Dieldrin	ND	2.0		µg/Kg	1	3/22/2006 2:00:00 PM
Endosulfan I	ND	1.0		µg/Kg	1	3/22/2006 2:00:00 PM
Endosulfan II	ND	2.0		µg/Kg	1	3/22/2006 2:00:00 PM
Endosulfan sulfate	ND	2.0		µg/Kg	1	3/22/2006 2:00:00 PM
Endrin	ND	2.0		µg/Kg	1	3/22/2006 2:00:00 PM
Endrin aldehyde	ND	2.0		µg/Kg	1	3/22/2006 2:00:00 PM
Endrin ketone	ND	2.0		µg/Kg	1	3/22/2006 2:00:00 PM
gamma-BHC	ND	1.0		µg/Kg	1	3/22/2006 2:00:00 PM
gamma-Chlordane	ND	1.0		µg/Kg	1	3/22/2006 2:00:00 PM
Heptachlor	ND	1.0		µg/Kg	1	3/22/2006 2:00:00 PM
Heptachlor epoxide	ND	1.0		µg/Kg	1	3/22/2006 2:00:00 PM
Methoxychlor	ND	8.5		µg/Kg	1	3/22/2006 2:00:00 PM
Toxaphene	ND	85		µg/Kg	1	3/22/2006 2:00:00 PM
Surr: Decachlorobiphenyl	90.2	59-127		%REC	1	3/22/2006 2:00:00 PM
Surr: Tetrachloro-m-xylene	87.1	60-109		%REC	1	3/22/2006 2:00:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Date: *24-Mar-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	EQUIP-HA-031406
Lab Order:	082962	**Tag Number:**	
Project:	Caltrans I-5, 105812001	**Collection Date:**	3/14/2006 3:00:00 PM
Lab ID:	082962-006B	**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3510C				**EPA 8081A**		
RunID: GC10_060321A	QC Batch: 27205			PrepDate:	3/21/2006	Analyst: **CPC**
4,4'-DDD	ND	0.050		µg/L	1	3/21/2006 12:27:00 PM
4,4'-DDE	ND	0.050		µg/L	1	3/21/2006 12:27:00 PM
4,4'-DDT	ND	0.050		µg/L	1	3/21/2006 12:27:00 PM
Aldrin	ND	0.025		µg/L	1	3/21/2006 12:27:00 PM
alpha-BHC	ND	0.025		µg/L	1	3/21/2006 12:27:00 PM
alpha-Chlordane	ND	0.025		µg/L	1	3/21/2006 12:27:00 PM
beta-BHC	ND	0.025		µg/L	1	3/21/2006 12:27:00 PM
Chlordane	ND	0.25		µg/L	1	3/21/2006 12:27:00 PM
delta-BHC	ND	0.025		µg/L	1	3/21/2006 12:27:00 PM
Dieldrin	ND	0.050		µg/L	1	3/21/2006 12:27:00 PM
Endosulfan I	ND	0.025		µg/L	1	3/21/2006 12:27:00 PM
Endosulfan II	ND	0.050		µg/L	1	3/21/2006 12:27:00 PM
Endosulfan sulfate	ND	0.050		µg/L	1	3/21/2006 12:27:00 PM
Endrin	ND	0.050		µg/L	1	3/21/2006 12:27:00 PM
Endrin aldehyde	ND	0.050		µg/L	1	3/21/2006 12:27:00 PM
Endrin ketone	ND	0.050		µg/L	1	3/21/2006 12:27:00 PM
gamma-BHC	ND	0.025		µg/L	1	3/21/2006 12:27:00 PM
gamma-Chlordane	ND	0.025		µg/L	1	3/21/2006 12:27:00 PM
Heptachlor	ND	0.025		µg/L	1	3/21/2006 12:27:00 PM
Heptachlor epoxide	ND	0.025		µg/L	1	3/21/2006 12:27:00 PM
Methoxychlor	ND	0.25		µg/L	1	3/21/2006 12:27:00 PM
Toxaphene	ND	2.5		µg/L	1	3/21/2006 12:27:00 PM
Surr: Decachlorobiphenyl	62.1	25-123		%REC	1	3/21/2006 12:27:00 PM
Surr: Tetrachloro-m-xylene	81.6	43-119		%REC	1	3/21/2006 12:27:00 PM

Qualifiers:

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference
- DO Surrogate Diluted Out
- E Value above quantitation range
- ND Not Detected at the Reporting Limit

Results are wet unless otherwise specified

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 082962
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **MB-27188A** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/20/2006** RunNo: **61049**
Client ID: **PBS** Batch ID: **27188** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/20/2006** SeqNo: **903810**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID: **LCS-27188** SampType: **LCS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/20/2006** RunNo: **61049**
Client ID: **LCSS** Batch ID: **27188** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/20/2006** SeqNo: **903811**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	250	1.0	250.0	0.5450	100	80	120				

Sample ID: **082963-005ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/20/2006** RunNo: **61049**
Client ID: **ZZZZZZ** Batch ID: **27188** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/20/2006** SeqNo: **903822**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	16	1.0						10.91	38.9	20	R

Sample ID: **082963-005AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/20/2006** RunNo: **61049**
Client ID: **ZZZZZZ** Batch ID: **27188** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/20/2006** SeqNo: **903823**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	250	1.0	250.0	10.91	95.7	31	122				

Sample ID: **MB-27188B** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/20/2006** RunNo: **61049**
Client ID: **PBS** Batch ID: **27188** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/20/2006** SeqNo: **903824**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 082962
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **082964-007ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/20/2006** RunNo: **61049**
Client ID: **ZZZZZZ** Batch ID: **27188** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/20/2006** SeqNo: **903835**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.2	1.0						2.875	28.4	20	R

Sample ID: **082964-007AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/20/2006** RunNo: **61049**
Client ID: **ZZZZZZ** Batch ID: **27188** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/20/2006** SeqNo: **903836**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	230	1.0	250.0	2.875	89.5	31	122				

Sample ID: **082964-007AMSD** SampType: **MSD** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/20/2006** RunNo: **61049**
Client ID: **ZZZZZZ** Batch ID: **27188** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/20/2006** SeqNo: **903837**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	220	1.0	250.0	2.875	87.8	31	122	226.7	1.87	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 082962
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_WPB

Sample ID: **MB-27208** SampType: **MBLK** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/21/2006** RunNo: **60957**
Client ID: **PBW** Batch ID: **27208** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/22/2006** SeqNo: **902224**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-27208** SampType: **LCS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/21/2006** RunNo: **60957**
Client ID: **LCSW** Batch ID: **27208** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/22/2006** SeqNo: **902225**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.0	0.25	1.000	0.005300	104	85	115				

Sample ID: **082962-006ADUP** SampType: **DUP** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/21/2006** RunNo: **60957**
Client ID: **EQUIP-HA-031406** Batch ID: **27208** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/22/2006** SeqNo: **902227**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25						0.003782	0	20	

Sample ID: **082962-006AMS** SampType: **MS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/21/2006** RunNo: **60957**
Client ID: **EQUIP-HA-031406** Batch ID: **27208** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/22/2006** SeqNo: **902228**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.5	0.25	2.500	0.003782	98.0	78	118				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 082962
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **MB-27214** SampType: **MBLK** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/21/2006** RunNo: **60971**
Client ID: **PBS** Batch ID: **27214** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/22/2006** SeqNo: **902534**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	ND	2.0									
4,4'-DDE	ND	2.0									
4,4'-DDT	ND	2.0									
Aldrin	ND	1.0									
alpha-BHC	ND	1.0									
alpha-Chlordane	ND	1.0									
beta-BHC	ND	1.0									
Chlordane	ND	8.5									
delta-BHC	ND	1.0									
Dieldrin	ND	2.0									
Endosulfan I	ND	1.0									
Endosulfan II	ND	2.0									
Endosulfan sulfate	ND	2.0									
Endrin	ND	2.0									
Endrin aldehyde	ND	2.0									
Endrin ketone	ND	2.0									
gamma-BHC	ND	1.0									
gamma-Chlordane	ND	1.0									
Heptachlor	ND	1.0									
Heptachlor epoxide	ND	1.0									
Methoxychlor	ND	8.5									
Toxaphene	ND	85									
Surr: Tetrachloro-m-xylene	15		16.65		92.3	60	109				
Surr: Decachlorobiphenyl	16		16.65		93.3	59	127				

Sample ID: **LCS-27214** SampType: **LCS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/21/2006** RunNo: **60971**
Client ID: **LCSS** Batch ID: **27214** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/22/2006** SeqNo: **902535**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	21	2.0	16.65	0	125	75	128				
Aldrin	19	1.0	16.65	0	116	80	124				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 082962
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **LCS-27214** SampType: **LCS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/21/2006** RunNo: **60971**
Client ID: **LCSS** Batch ID: **27214** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/22/2006** SeqNo: **902535**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dieldrin	20	2.0	16.65	0	120	82	121				
Endrin	21	2.0	16.65	0	123	79	141				
gamma-BHC	20	1.0	16.65	0	120	84	122				
Heptachlor	21	1.0	16.65	0	127	74	136				
Surr: Tetrachloro-m-xylene	16		16.65		93.1	60	109				
Surr: Decachlorobiphenyl	15		16.65		91.9	59	127				

Sample ID: **082962-005ADUP** SampType: **DUP** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/21/2006** RunNo: **60971**
Client ID: **I5NB-LEU-HA84-0.6** Batch ID: **27214** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/22/2006** SeqNo: **902537**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4'-DDD	ND	4.0						0	0	0	
2,4'-DDE	ND	4.0						0	0	0	
2,4'-DDT	ND	4.0						0	0	0	
4,4'-DDD	ND	2.0						0	0	30	
4,4'-DDE	ND	2.0						0	0	30	
4,4'-DDT	ND	2.0						0	0	30	
Aldrin	ND	1.0						0	0	30	
alpha-BHC	ND	1.0						0	0	30	
alpha-Chlordane	ND	1.0						0	0	30	
beta-BHC	ND	1.0						0	0	30	
Chlordane	ND	8.5						0	0	30	
Chlorothalonil	ND	2.0						0	0	30	
delta-BHC	ND	1.0						0	0	30	
Dieldrin	ND	2.0						0	0	30	
Endosulfan I	ND	1.0						0	0	30	
Endosulfan II	ND	2.0						0	0	30	
Endosulfan sulfate	ND	2.0						0	0	30	
Endrin	ND	2.0						0	0	30	
Endrin aldehyde	ND	2.0						0	0	30	
Endrin ketone	ND	2.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 082962
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **082962-005ADUP** SampType: **DUP** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/21/2006** RunNo: **60971**
Client ID: **I5NB-LEU-HA84-0.6** Batch ID: **27214** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/22/2006** SeqNo: **902537**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
gamma-BHC	ND	1.0						0	0	30	
gamma-Chlordane	ND	1.0						0	0	30	
Heptachlor	ND	1.0						0	0	30	
Heptachlor epoxide	ND	1.0						0	0	30	
Methoxychlor	ND	8.5						0	0	30	
Toxaphene	ND	85						0	0	30	
Surr: Tetrachloro-m-xylene	15		16.65		89.9	60	109		0	0	
Surr: Decachlorobiphenyl	15		16.62		90.1	59	127		0	0	

Sample ID: **MB-27214** SampType: **MBLK** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/21/2006** RunNo: **60971**
Client ID: **PBS** Batch ID: **27214** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/23/2006** SeqNo: **904058**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	ND	2.0									
4,4'-DDE	ND	2.0									
4,4'-DDT	ND	2.0									
Aldrin	ND	1.0									
alpha-BHC	ND	1.0									
alpha-Chlordane	ND	1.0									
beta-BHC	ND	1.0									
Chlordane	ND	8.5									
delta-BHC	ND	1.0									
Dieldrin	ND	2.0									
Endosulfan I	ND	1.0									
Endosulfan II	ND	2.0									
Endosulfan sulfate	ND	2.0									
Endrin	ND	2.0									
Endrin aldehyde	ND	2.0									
Endrin ketone	ND	2.0									
gamma-BHC	ND	1.0									
gamma-Chlordane	ND	1.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 082962
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **MB-27214** SampType: **MBLK** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/21/2006** RunNo: **60971**
Client ID: **PBS** Batch ID: **27214** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/23/2006** SeqNo: **904058**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Heptachlor	ND	1.0									
Heptachlor epoxide	ND	1.0									
Methoxychlor	ND	8.5									
Toxaphene	ND	85									
Surr: Tetrachloro-m-xylene	16		16.65		93.4	60	109				
Surr: Decachlorobiphenyl	15		16.65		89.8	59	127				

Sample ID: **LCS-27214** SampType: **LCS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/21/2006** RunNo: **60971**
Client ID: **LCSS** Batch ID: **27214** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/23/2006** SeqNo: **904059**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	20	2.0	16.65	0	117	75	128				
Aldrin	19	1.0	16.65	0	115	80	124				
Dieldrin	19	2.0	16.65	0	114	82	121				
Endrin	22	2.0	16.65	0	132	79	141				
gamma-BHC	20	1.0	16.65	0	120	84	122				
Heptachlor	21	1.0	16.65	0	128	74	136				
Surr: Tetrachloro-m-xylene	16		16.65		95.9	60	109				
Surr: Decachlorobiphenyl	14		16.65		84.4	59	127				

Sample ID: **082995-023AMS** SampType: **MS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/21/2006** RunNo: **60971**
Client ID: **ZZZZZZ** Batch ID: **27214** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/23/2006** SeqNo: **904203**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	17	2.0	16.65	1.639	93.8	64	165				
Aldrin	19	1.0	16.65	0	117	68	135				
Dieldrin	20	2.0	16.65	0	120	48	165				
Endrin	24	2.0	16.65	0	146	60	186				
gamma-BHC	20	1.0	16.65	0	121	70	134				
Heptachlor	23	1.0	16.65	0	139	73	152				
Surr: Tetrachloro-m-xylene	16		16.65		95.6	60	109				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
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CLIENT: Ninyo & Moore
Work Order: 082962
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **082995-023AMS** SampType: **MS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/21/2006** RunNo: **60971**
Client ID: **ZZZZZZ** Batch ID: **27214** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/23/2006** SeqNo: **904203**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Decachlorobiphenyl	13		16.65		75.7	59	127				

Sample ID: **082995-023AMSD** SampType: **MSD** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/21/2006** RunNo: **60971**
Client ID: **ZZZZZZ** Batch ID: **27214** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/23/2006** SeqNo: **904204**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	17	2.0	16.65	1.639	92.9	64	165	17.25	0.876	30	
Aldrin	20	1.0	16.65	0	119	68	135	19.45	2.11	30	
Dieldrin	20	2.0	16.65	0	121	48	165	19.99	0.461	30	
Endrin	25	2.0	16.65	0	148	60	186	24.32	1.06	30	
gamma-BHC	20	1.0	16.65	0	123	70	134	20.07	1.84	30	
Heptachlor	22	1.0	16.65	0	134	73	152	23.20	4.16	30	
Surr: Tetrachloro-m-xylene	15		16.65		90.1	60	109		0	30	
Surr: Decachlorobiphenyl	13		16.65		75.9	59	127		0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 082962
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_W

Sample ID: **MB-27205** SampType: **MBLK** TestCode: **8081_W** Units: **µg/L** Prep Date: **3/21/2006** RunNo: **60920**
Client ID: **PBW** Batch ID: **27205** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **3/21/2006** SeqNo: **901546**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	ND	0.050									
4,4'-DDE	ND	0.050									
4,4'-DDT	ND	0.050									
Aldrin	ND	0.025									
alpha-BHC	ND	0.025									
alpha-Chlordane	ND	0.025									
beta-BHC	ND	0.025									
Chlordane	ND	0.25									
delta-BHC	ND	0.025									
Dieldrin	ND	0.050									
Endosulfan I	ND	0.025									
Endosulfan II	ND	0.050									
Endosulfan sulfate	ND	0.050									
Endrin	ND	0.050									
Endrin aldehyde	ND	0.050									
Endrin ketone	ND	0.050									
gamma-BHC	ND	0.025									
gamma-Chlordane	ND	0.025									
Heptachlor	ND	0.025									
Heptachlor epoxide	ND	0.025									
Methoxychlor	ND	0.25									
Toxaphene	ND	2.5									
Surr: Tetrachloro-m-xylene	0.42		0.5000		85.0	43	119				
Surr: Decachlorobiphenyl	0.30		0.5000		60.0	25	123				

Sample ID: **LCS-27205** SampType: **LCS** TestCode: **8081_W** Units: **µg/L** Prep Date: **3/21/2006** RunNo: **60920**
Client ID: **LCSW** Batch ID: **27205** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **3/21/2006** SeqNo: **901547**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	0.57	0.050	0.5000	0	115	72	125				
Aldrin	0.56	0.025	0.5000	0	111	74	120				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 082962
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_W

Sample ID: **LCS-27205** SampType: **LCS** TestCode: **8081_W** Units: **µg/L** Prep Date: **3/21/2006** RunNo: **60920**
Client ID: **LCSW** Batch ID: **27205** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **3/21/2006** SeqNo: **901547**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dieldrin	0.56	0.050	0.5000	0	112	76	118				
Endrin	0.60	0.050	0.5000	0	120	83	124				
gamma-BHC	0.58	0.025	0.5000	0	115	79	120				
Heptachlor	0.59	0.025	0.5000	0	119	66	137				
Surr: Tetrachloro-m-xylene	0.42		0.5000		83.5	43	119				
Surr: Decachlorobiphenyl	0.26		0.5000		52.3	25	123				

Sample ID: **MB-27205MS** SampType: **MS** TestCode: **8081_W** Units: **µg/L** Prep Date: **3/21/2006** RunNo: **60920**
Client ID: **ZZZZZZ** Batch ID: **27205** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **3/21/2006** SeqNo: **901549**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	0.57	0.050	0.5000	0	114	72	125				
Aldrin	0.58	0.025	0.5000	0	115	74	120				
Dieldrin	0.58	0.050	0.5000	0	117	76	118				
Endrin	0.61	0.050	0.5000	0	121	83	124				
gamma-BHC	0.60	0.025	0.5000	0	119	79	120				
Heptachlor	0.60	0.025	0.5000	0	121	66	137				
Surr: Tetrachloro-m-xylene	0.43		0.5000		85.5	43	119				
Surr: Decachlorobiphenyl	0.42		0.5000		84.9	25	123				

Sample ID: **MB-27205MSD** SampType: **MSD** TestCode: **8081_W** Units: **µg/L** Prep Date: **3/21/2006** RunNo: **60920**
Client ID: **ZZZZZZ** Batch ID: **27205** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **3/21/2006** SeqNo: **901550**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	0.56	0.050	0.5000	0	113	72	125	0.5715	1.41	30	
Aldrin	0.58	0.025	0.5000	0	116	74	120	0.5755	0.547	30	
Dieldrin	0.59	0.050	0.5000	0	117	76	118	0.5834	0.418	30	
Endrin	0.61	0.050	0.5000	0	121	83	124	0.6060	0.0363	30	
gamma-BHC	0.60	0.025	0.5000	0	119	79	120	0.5952	0.363	30	
Heptachlor	0.60	0.025	0.5000	0	121	66	137	0.6030	0.325	30	
Surr: Tetrachloro-m-xylene	0.44		0.5000		88.1	43	119		0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 082962
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_W

Sample ID: **MB-27205MSD** SampType: **MSD** TestCode: **8081_W** Units: **µg/L** Prep Date: **3/21/2006** RunNo: **60920**
Client ID: **ZZZZZZ** Batch ID: **27205** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **3/21/2006** SeqNo: **901550**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Decachlorobiphenyl	0.43		0.5000		86.8	25	123		0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 082962
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID: **082962-001ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: **3/20/2006** RunNo: **60909**
Client ID: **I5NB-LEU-HA80-1.4** Batch ID: **R60909** TestNo: **EPA 9045C** Analysis Date: **3/20/2006** SeqNo: **901389**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	6.6	0.10						6.830	3.88	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

March 24, 2006

Linda Phoudamneun
BC Laboratories, Inc.
4100 Atlas Court
Bakersfield, CA 93308
TEL: (661) 852-4203
FAX: (661) 327-1918

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 082790

RE: 0602138

Attention: Linda Phoudamneun

Enclosed are the results for sample(s) received on March 10, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: *24-Mar-06*

CLIENT: BC Laboratories, Inc.
Project: 0602138
Lab Order: 082790

CASE NARRATIVE

Analytical Comments for EPA 9020 (TOX)

Sample ID	Time Analyzed
0602138-01	15:18

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *24-Mar-06*

CLIENT:	BC Laboratories, Inc.	**Client Sample ID:**	0602138-01
Lab Order:	082790	**Tag Number:**	
Project:	0602138	**Collection Date:**	3/2/2006 1:09:00 PM
Lab ID:	082790-001A	**Matrix:**	SOLIDS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
TOTAL ORGANIC HALIDES				**EPA 9020B**		
RunID: TOX1_060316A	QC Batch: R60707			PrepDate:		Analyst: **JT**
Total Organic Halides	300	20		µg/L	1	3/16/2006

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

3-14-06

CHAIN OF CUSTODY RECORD

Pg 1 of ____

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: ____

Logged By: [signature] Date: 3/17/06

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other: ____

Sample Condition Upon Receipt:
1. CHILLED Y☑ N☐ 4. SEALED Y☐ N☑
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☑ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☐ N☑

Client: Ninyo & Moore
Attn: Scott Synder
Address: 5710 Ruffin Road
City San Diego State CA Zip Code 92115
TEL: (858) 576-1000
FAX: (858) 576-9600

Project Name: Caltrans I-5
Project #: 105812001
Sampler: (Printed Name) MATTROE (Signature) Matt Roe

Relinquished by: (Signature and Printed Name)	Date	Time	Received by: (Signature and Printed Name)	Date	Time
Matt Roe	3-16-06	4:45p	[signature]	3-16-06	4:45p
[signature]	3-16-06	8:26p	[signature]	3/16/06	

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: MATT ROE (Print Name) 3-14-06 (Date) Matt Roe (Signature)

Send Report To:
Attn: Scott Snyder
Co: Ninyo & Moore
Address 5710 Ruffin Rd
City SD State CA Zip 92115

Bill To:
Attn: SEE INFO
Co: ____
Address ____
City ____ State ____ Zip ____

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	8141 - Pesticides	8151 - Herbicides	1045 C - PH	6010 B - Total Lead	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	082962-01	ISNB-LEU-HA80-1.4	3/14/06	9:55										X		X		X				E	1	J G	C	
	-02	ISNB-LEU-HA81-1.0	"	11:10												X		X					1			
	-03	ISNB-LEU-HA82-0.3	"	12:05												X		X					1			
	-04	ISNB-LEU-HA83-0.3	"	14:10												X		X					1			
	-05	ISNB-LEU-HA84-0.6	"	14:35	X								X	X		X		X					2			
	-06	EQUIP-HA-031406	"	15:00	X								X	X					X			E	3	L G		
		EQUIP-HA-031406	"	15:00												X			X			E	1	P P	N	

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

Advanced Technology Labs	Project:	NA	
3275 Walnut Avenue	Project Number:	PO# SC00460	**Reported:**
Signal Hill CA, 90755	Project Manager:	Rachelle Arada	03/27/06 14:11

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
082962-005C / 15NB-LEU-HA84-0.6	0603435-01	Soil	03/14/06 14:35	03/17/06 13:15
082962-006D / EQUIP-HA-031406	0603435-02	Liquid	03/14/06 15:00	03/17/06 13:15

CASE NARRATIVE

SAMPLE RECEIPT:	Samples were received intact, at 4 °C, and accompanied by chain of custody documentation.
PRESERVATION:	Samples requiring preservation were verified prior to sample preparation and analysis.
HOLDING TIMES:	All holding times were met, unless otherwise noted in the report with data qualifiers.
QA/QC CRITERIA:	All quality objective criteria were met, except as noted in the report with data qualifiers.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Labs	Project: NA	
3275 Walnut Avenue	Project Number: PO# SC00460	**Reported:**
Signal Hill CA, 90755	Project Manager: Rachelle Arada	03/27/06 14:11

Chlorinated Herbicides by EPA Method 8151A

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
082962-005C / 15NB-LEU-HA84-0.6 (0603435-01) Soil Sampled: 03/14/06 14:35 Received: 03/17/06 13:15									
2,4,5-T	ND	1.6	µg/kg	1	B6C2415	03/22/06	03/22/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*74.6 %*	*35-150*		*"*	*"*	*"*	*"*	
082962-006D / EQUIP-HA-031406 (0603435-02) Liquid Sampled: 03/14/06 15:00 Received: 03/17/06 13:15									
2,4,5-T	ND	0.080	µg/L	1	B6C2245	03/21/06	03/22/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	0.080	"	"	"	"	"	"	
2,4-D	ND	0.080	"	"	"	"	"	"	
2,4-DB	ND	0.20	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	0.10	"	"	"	"	"	"	
4-Nitrophenol	ND	0.10	"	"	"	"	"	"	
Acifluorfen	ND	0.080	"	"	"	"	"	"	
Bentazon	ND	0.080	"	"	"	"	"	"	
Chloramben	ND	0.080	"	"	"	"	"	"	
Dalapon	ND	1.0	"	"	"	"	"	"	
DCPA diacid	ND	0.080	"	"	"	"	"	"	
Dicamba	ND	0.080	"	"	"	"	"	"	
Dichlorprop	ND	0.080	"	"	"	"	"	"	
Dinoseb	ND	0.080	"	"	"	"	"	"	
Pentachlorophenol	ND	0.080	"	"	"	"	"	"	
Picloram	ND	0.080	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*64.6 %*	*35-150*		*"*	*"*	*"*	*"*	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Labs	Project: NA	
3275 Walnut Avenue	Project Number: PO# SC00460	**Reported:**
Signal Hill CA, 90755	Project Manager: Rachelle Arada	03/27/06 14:11

Chlorinated Herbicides by EPA Method 8151A - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6C2245 - EPA 3510C Sep Funnel										
Blank (B6C2245-BLK1)				Prepared: 03/21/06 Analyzed: 03/22/06						
2,4,5-T	ND	0.080	µg/L							
2,4,5-TP (Silvex)	ND	0.080	"							
2,4-D	ND	0.080	"							
2,4-DB	ND	0.20	"							
3,5-Dichlorobenzoic acid	ND	0.10	"							
4-Nitrophenol	ND	0.10	"							
Acifluorfen	ND	0.080	"							
Bentazon	ND	0.080	"							
Chloramben	ND	0.080	"							
Dalapon	ND	1.0	"							
DCPA diacid	ND	0.080	"							
Dicamba	ND	0.080	"							
Dichlorprop	ND	0.080	"							
Dinoseb	ND	0.080	"							
Pentachlorophenol	ND	0.080	"							
Picloram	ND	0.080	"							
Surrogate: 2,4-Dichlorophenylacetic Acid	*4.10*		*"*	*5.00*		*82.0*	*35-150*			
LCS (B6C2245-BS1)				Prepared: 03/21/06 Analyzed: 03/22/06						
2,4,5-T	0.228	0.080	µg/L	0.500		45.6	20-150			
2,4,5-TP (Silvex)	0.374	0.080	"	0.500		74.8	20-150			
LCS (B6C2245-BS2)				Prepared: 03/21/06 Analyzed: 03/22/06						
2,4,5-T	0.219	0.080	µg/L	0.500		43.8	20-150			
2,4,5-TP (Silvex)	0.366	0.080	"	0.500		73.2	20-150			
LCS Dup (B6C2245-BSD1)				Prepared: 03/21/06 Analyzed: 03/22/06						
2,4,5-T	0.223	0.080	µg/L	0.500		44.6	20-150	2.22	30	
2,4,5-TP (Silvex)	0.365	0.080	"	0.500		73.0	20-150	2.44	30	

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Advanced Technology Labs	Project: NA	
3275 Walnut Avenue	Project Number: PO# SC00460	**Reported:**
Signal Hill CA, 90755	Project Manager: Rachelle Arada	03/27/06 14:11

Chlorinated Herbicides by EPA Method 8151A - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6C2415 - EPA 3550B Solid Ext										
Blank (B6C2415-BLK1)				Prepared & Analyzed: 03/22/06						
2,4,5-T	ND	1.6	µg/kg							
2,4,5-TP (Silvex)	ND	1.6	"							
2,4-D	ND	1.6	"							
2,4-DB	ND	4.0	"							
3,5-Dichlorobenzoic acid	ND	2.0	"							
4-Nitrophenol	ND	2.0	"							
Acifluorfen	ND	1.6	"							
Bentazon	ND	1.6	"							
Chloramben	ND	1.6	"							
Dalapon	ND	20	"							
DCPA diacid	ND	1.6	"							
Dicamba	ND	1.6	"							
Dichlorprop	ND	1.6	"							
Dinoseb	ND	1.6	"							
Pentachlorophenol	ND	1.6	"							
Picloram	ND	1.6	"							
Surrogate: 2,4-Dichlorophenylacetic Acid	*65.3*		*"*	*100*		*65.3*	*35-150*			
LCS (B6C2415-BS1)				Prepared & Analyzed: 03/22/06						
2,4,5-T	5.68	1.6	µg/kg	10.0		56.8	20-150			
2,4,5-TP (Silvex)	8.31	1.6	"	10.0		83.1	20-150			
Dinoseb	6.60	1.6	"	10.0		66.0	20-150			
LCS (B6C2415-BS2)				Prepared & Analyzed: 03/22/06						
2,4,5-T	5.51	1.6	µg/kg	10.0		55.1	20-150			
2,4,5-TP (Silvex)	8.14	1.6	"	10.0		81.4	20-150			
Dinoseb	6.46	1.6	"	10.0		64.6	20-150			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653
TELEPHONE: (949) 348-9389 FAX: (949) 348-9115
E-MAIL: SIERRALABS @ SIERRALABS.NET

Advanced Technology Labs	Project:	NA	
3275 Walnut Avenue	Project Number:	PO# SC00460	**Reported:**
Signal Hill CA, 90755	Project Manager:	Rachelle Arada	03/27/06 14:11

Chlorinated Herbicides by EPA Method 8151A - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6C2415 - EPA 3550B Solid Ext										
LCS Dup (B6C2415-BSD1)				Prepared & Analyzed: 03/22/06						
2,4,5-T	5.60	1.6	µg/kg	10.0		56.0	20-150	1.42	30	
2,4,5-TP (Silvex)	8.20	1.6	"	10.0		82.0	20-150	1.33	30	
Dinoseb	6.53	1.6	"	10.0		65.3	20-150	1.07	30	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

D-TEK Analytical Laboratories, Inc.
9020 Kenamar Drive, Suite 205
San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	**3/22/06**
Sampling Date:	**3/14/06**
Date Sample Received:	**3/17/06**
Date Extracted:	**3/17/06**
Date Analyzed:	**March 20, 2006**
Analyzed By:	**EA**
Method:	**EPA 8141A**
Sample Type:	**Soil and Water**
Sample Log Number:	**06-1899 and 06-1900**

The sample(s) were analyzed with EPA methodology or equivalent methods as specified on the attached "Analyses Results" report. The symbol for "less than" indicates a value below the reportable detection limit.

The results of these analyses and the quality control data are enclosed.

Ellen Atienza
Operations Manager

D-TEK Analytical Laboratories, Inc.
9020 Kenamar Drive, Suite 205
San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	**3/22/06**
Sampling Date:	**3/14/06**
Date Sample Received:	**3/17/06**
Date Extracted:	**3/17/06**
Date Analyzed:	**March 20, 2006**
Analyzed By:	**EA**
Sample Type:	**Soil**
Method:	**EPA 8141A**
Unit:	**µg/kg**

ANALYSES RESULTS

Analysis	**Detection Limit**	**Log Number:**	**06-1899**
		Sample ID:	**082962-005B**
			15NB-LEU-HA84-0.6
Azinphos Methyl	5.0		<DL
Bolstar	5.0		<DL
Coumaphos	5.0		<DL
Demeton	5.0		<DL
Diazinon	5.0		<DL
Dichlorvos	5.0		<DL
Disulfoton	5.0		<DL
Dursban (Chlorpyrifos)	5.0		<DL
Ethoprop	5.0		<DL
Fensulfothion	10.0		<DL
Fenthion	5.0		<DL
Gardona (Stirophos)	5.0		<DL
Malathion	5.0		<DL
Merphos	5.0		<DL
Methyl Parathion	5.0		<DL
Mevinphos	5.0		<DL
Naled	5.0		<DL
Phorate	5.0		<DL
Ronnel	5.0		<DL
Tokuthion	5.0		<DL
Trichloronate	5.0		<DL

Ellen Atienza
Operations Manager

D-TEK Analytical Laboratories, Inc.
9020 Kenamar Drive, Suite 205
San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

QUALITY CONTROL DATA REPORT

Date:	3/22/06
Attn:	Ms. Rachelle Arada
Date Extracted:	3/17/06
Date Analyzed:	March 20, 2006
Analysis Method:	EPA 8141A
Log #:	06-1899

Method Blank

No target analytes were detected in the method blank.

Laboratory Control Sample

Compound	% Recovery	QC Limits	DUP % Recovery	%RPD	RPD Limits
Diazinon	68	40-130	87	25	30
Methyl Parathion	87	40-130	108	22	30
Dursban (Chlorpyrifos)	80	40-130	84	5	30
Gardona (Stirophos)	92	40-130	116	18	30

SURROGATE RECOVERIES
(Tributylphosphate)

Log #	Percent Recovery:
Method Blank	112
06-1899	119
LCS	83
LCS Dup	124

QC limits: 50 to 170%

Ellen Atienza
Operations Manager

QUALITY CONTROL TERMINOLOGY

- **LCS - LABORATORY CONTROL SAMPLE.** Reported as % recovery of an independent standard carried through all sample preparation procedures to verify method performance. Acceptable range is based on historical laboratory control data and EPA requirements. Any out-of-control QC data is clearly indicated.
- **Spike-** environmental sample is matrix spiked with method compounds and % recovery of concentration spiked into sample is calculated. Reported as % recovery. Acceptable range for "Normal Matrix Sample" is based on historical laboratory control data. Any out-of-control QC data is clearly indicated.
- **Surrogates-** Compounds representative of a group of compounds. Surrogates are spiked into environmental samples and % recovery of concentration spiked is calculated and reported. Acceptable range varies depending on sample matrix and analysis method. Any out-of-control QC data is clearly indicated.

D-TEK Analytical Laboratories, Inc.
9020 Kenamar Drive, Suite 205
San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	3/22/06
Sampling Date:	3/14/06
Date Sample Received:	3/17/06
Date Extracted:	3/17/06
Date Analyzed:	March 20, 2006
Analyzed By:	EA
Sample Type:	Water
Method:	EPA 8141A
Unit:	µg/l

ANALYSES RESULTS

Analysis	Detection Limit	Log Number:	06-1900
		Sample ID:	082962-006C Equip-HA031406
Azinphos Methyl	1.5		<DL
Bolstar	0.15		<DL
Coumaphos	1.5		<DL
Demeton	0.25		<DL
Diazinon	0.1		<DL
Dichlorvos	0.1		<DL
Disulfoton	0.2		<DL
Dursban (Chlorpyrifos)	0.1		<DL
Ethoprop	0.25		<DL
Fensulfothion	2.5		<DL
Fenthion	0.1		<DL
Gardona (Stirophos)	0.5		<DL
Malathion	0.1		<DL
Merphos	0.25		<DL
Methyl Parathion	0.1		<DL
Mevinphos	0.3		<DL
Naled	0.1		<DL
Phorate	0.15		<DL
Ronnel	0.3		<DL
Tokuthion	0.5		<DL
Trichloronate	0.15		<DL

Ellen Atienza
Operations Manager

D-TEK Analytical Laboratories, Inc.
9020 Kenamar Drive, Suite 205
San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

QUALITY CONTROL DATA REPORT

Date:	**3/22/06**
Attn:	**Ms. Rachelle Arada**
Date Extracted:	**3/17/06**
Date Analyzed:	**March 20, 2006**
Analysis Method:	**EPA 8141A**
Log #:	**06-1900**

Method Blank

No target analytes were detected in the method blank.

Laboratory Control Sample

Compound	% Recovery	QC Limits	DUP % Recovery	%RPD	RPD Limits
Diazinon	95	40-130	79	18	30
Methyl Parathion	91	40-130	77	17	30
Dursban (Chlorpyrifos)	103	40-130	89	15	30
Gardona (Stirophos)	91	40-130	77	17	30

SURROGATE RECOVERIES
(Tributylphosphate)

Log #	Percent Recovery:
Method Blank	107
06-1900	104
LCS	118
LCS Dup	119

QC limits: 50 to 170%

Ellen Atienza
Operations Manager

QUALITY CONTROL TERMINOLOGY

- **LCS - LABORATORY CONTROL SAMPLE.** Reported as % recovery of an independent standard carried through all sample preparation procedures to verify method performance. Acceptable range is based on historical laboratory control data and EPA requirements. Any out-of-control QC data is clearly indicated.
- **Spike-** environmental sample is matrix spiked with method compounds and % recovery of concentration spiked into sample is calculated. Reported as % recovery. Acceptable range for "Normal Matrix Sample" is based on historical laboratory control data. Any out-of-control QC data is clearly indicated.
- **Surrogates-** Compounds representative of a group of compounds. Surrogates are spiked into environmental samples and % recovery of concentration spiked is calculated and reported. Acceptable range varies depending on sample matrix and analysis method. Any out-of-control QC data is clearly indicated. *

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755-5225
TEL: *5629894045* FAX: *5629894040*

CHAIN-OF-CUSTODY RECORD

QC Level: CT

Subcontractor:
D-Tek
9020 Kenamar Drive, Suite 205
San Diego, CA 92121

TEL: (858) 566-4540
FAX: (858) 566-4542
Acct #:

17-Mar-06

	Sample ID	Matrix	Date Collected	Bottle Type	Requested Tests EPA 8141A		
082962-005B	/ I5NB-LEU-HA84-0.6	Soil	3/14/2006 2:35:00 PM	4OZG	1	06-1899	
082962-006C	/ EQUIP-HA-031406	Water	3/14/2006 3:00:00 PM	32OZA	1	06-1900	

General Comments: Please use PO#: SC00459 Please fax results by: NORMAL TAT
SEND REPORT TO RACHELLE ARADA

		Date/Time			Date/Time
Relinquished by:		3/17/06 11:40 AM	Received by:		3/17/06 1230
Relinquished by:		3/17/06 1445	Received by:		3/17/06 1445

March 23, 2006

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 082963

RE: Caltrans I-5, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on March 16, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: *23-Mar-06*

CLIENT: Ninyo & Moore
Project: Caltrans I-5, 105812001
Lab Order: 082963
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
082963-001A	I5NB-LEU-HA85-1.4	Soil	3/15/2006	3/16/2006	3/23/2006
082963-002A	I5NB-LEU-HA86-0.6	Soil	3/15/2006	3/16/2006	3/23/2006
082963-003A	I5NB-LEU-HA87-1.0	Soil	3/15/2006	3/16/2006	3/23/2006
082963-004A	I5NB-LOC-HA88-0.6	Soil	3/15/2006	3/16/2006	3/23/2006
082963-005A	I5NB-LOC-HA89-0.6	Soil	3/15/2006	3/16/2006	3/23/2006
082963-006A	I5NB-LOC-HA90-1.0	Soil	3/15/2006	3/16/2006	3/23/2006
082963-007A	I5NB-LOC-HA91-0.6	Soil	3/15/2006	3/16/2006	3/23/2006
082963-008A	I5NB-LOC-HA92-0.6	Soil	3/15/2006	3/16/2006	3/23/2006
082963-009A	EQUIP-HA-031506	Water	3/15/2006	3/16/2006	3/23/2006

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CASE NARRATIVE

Analytical Comments for EPA 6010B

RPD for Sample Duplicate (DUP) is outside criteria for samples 082963-005ADUP and 082964-007ADUP; however, the Laboratory Control Sample (LCS) validated the analytical batch.

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Date: 3/23/2006

LEAD BY ICP
EPA 6010B

CLIENT:	Ninyo & Moore	**Lab Order:**	082963
Project:	Caltrans I-5, 105812001	**Date Received**	3/16/2006 8:20:00 PM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
082963-001A	I5NB-LEU-HA85-1.4	2.7	mg/Kg	27188	1.0	1	3/15/2006	3/20/2006
082963-002A	I5NB-LEU-HA86-0.6	6.8	mg/Kg	27188	1.0	1	3/15/2006	3/20/2006
082963-003A	I5NB-LEU-HA87-1.0	5.0	mg/Kg	27188	1.0	1	3/15/2006	3/20/2006
082963-004A	I5NB-LOC-HA88-0.6	6.4	mg/Kg	27188	1.0	1	3/15/2006	3/20/2006
082963-005A	I5NB-LOC-HA89-0.6	11	mg/Kg	27188	1.0	1	3/15/2006	3/20/2006
082963-006A	I5NB-LOC-HA90-1.0	8.1	mg/Kg	27188	1.0	1	3/15/2006	3/20/2006
082963-007A	I5NB-LOC-HA91-0.6	7.7	mg/Kg	27188	1.0	1	3/15/2006	3/20/2006
082963-008A	I5NB-LOC-HA92-0.6	24	mg/Kg	27188	1.0	1	3/15/2006	3/20/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 3/23/2006

LEAD BY ICP
EPA 6010B

CLIENT:	Ninyo & Moore	**Lab Order:**	082963
Project:	Caltrans I-5, 105812001	**Date Received**	3/16/2006 8:20:00 PM
Project No:		**Matrix:**	Water
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
082963-009A	EQUIP-HA-031506	ND	mg/L	27208	0.25	1	3/15/2006	3/22/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 3/23/2006

pH
EPA 9045C

CLIENT:	Ninyo & Moore	**Lab Order:**	082963
Project:	Caltrans I-5, 105812001	**Date Received**	3/16/2006 8:20:00 PM
Project No:		**Matrix:**	Soil
Analyte:	pH	**Analyst:**	RSJ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
082963-001A	I5NB-LEU-HA85-1.4	7.4	pH Units	R60909	0.10	1	3/15/2006	3/20/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 082963
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **MB-27188A** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/20/2006** RunNo: **61049**
Client ID: **PBS** Batch ID: **27188** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/20/2006** SeqNo: **903810**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID: **LCS-27188** SampType: **LCS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/20/2006** RunNo: **61049**
Client ID: **LCSS** Batch ID: **27188** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/20/2006** SeqNo: **903811**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	250	1.0	250.0	0.5450	100	80	120				

Sample ID: **082963-005ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/20/2006** RunNo: **61049**
Client ID: **I5NB-LOC-HA89-0.6** Batch ID: **27188** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/20/2006** SeqNo: **903822**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	16	1.0						10.91	38.9	20	R

Sample ID: **082963-005AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/20/2006** RunNo: **61049**
Client ID: **I5NB-LOC-HA89-0.6** Batch ID: **27188** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/20/2006** SeqNo: **903823**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	250	1.0	250.0	10.91	95.7	31	122				

Sample ID: **MB-27188B** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/20/2006** RunNo: **61049**
Client ID: **PBS** Batch ID: **27188** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/20/2006** SeqNo: **903824**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 082963
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **082964-007ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/20/2006** RunNo: **61049**
Client ID: **ZZZZZZ** Batch ID: **27188** TestNo: **EPA 6010B EPA 3050M** Analysis Date: **3/20/2006** SeqNo: **903835**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.2	1.0						2.875	28.4	20	R

Sample ID: **082964-007AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/20/2006** RunNo: **61049**
Client ID: **ZZZZZZ** Batch ID: **27188** TestNo: **EPA 6010B EPA 3050M** Analysis Date: **3/20/2006** SeqNo: **903836**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	230	1.0	250.0	2.875	89.5	31	122				

Sample ID: **082964-007AMSD** SampType: **MSD** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/20/2006** RunNo: **61049**
Client ID: **ZZZZZZ** Batch ID: **27188** TestNo: **EPA 6010B EPA 3050M** Analysis Date: **3/20/2006** SeqNo: **903837**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	220	1.0	250.0	2.875	87.8	31	122	226.7	1.87	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 082963
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_WPB

Sample ID: **MB-27208** SampType: **MBLK** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/21/2006** RunNo: **60957**
Client ID: **PBW** Batch ID: **27208** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/22/2006** SeqNo: **902224**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-27208** SampType: **LCS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/21/2006** RunNo: **60957**
Client ID: **LCSW** Batch ID: **27208** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/22/2006** SeqNo: **902225**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.0	0.25	1.000	0.005300	104	85	115				

Sample ID: **082962-006ADUP** SampType: **DUP** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/21/2006** RunNo: **60957**
Client ID: **ZZZZZZ** Batch ID: **27208** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/22/2006** SeqNo: **902227**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25						0.003782	0	20	

Sample ID: **082962-006AMS** SampType: **MS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/21/2006** RunNo: **60957**
Client ID: **ZZZZZZ** Batch ID: **27208** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/22/2006** SeqNo: **902228**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.5	0.25	2.500	0.003782	98.0	78	118				

Sample ID: **082962-006AMSD** SampType: **MSD** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/21/2006** RunNo: **60957**
Client ID: **ZZZZZZ** Batch ID: **27208** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/22/2006** SeqNo: **902229**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.5	0.25	2.500	0.003782	99.9	78	118	2.455	1.85	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
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CLIENT: Ninyo & Moore
Work Order: 082963
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID: **082962-001ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: **3/20/2006** RunNo: **60909**
Client ID: **ZZZZZZ** Batch ID: **R60909** TestNo: **EPA 9045C** Analysis Date: **3/20/2006** SeqNo: **901389**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	6.6	0.10						6.830	3.88	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

3-15-06

CHAIN OF CUSTODY RECORD

Pg 7 of

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: Date:

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other:

Sample Condition Upon Receipt:
1. CHILLED Y☑ N☐
2. HEADSPACE (VOA) Y☐ N☐
3. CONTAINER INTACT Y☑ N☐
4. SEALED Y☐ N☑
5. # OF SPLS MATCH COC Y☑ N☐
6. PRESERVED Y☑ N☐

Client: Ninyo & Moore
Attn: Scott Snyder
Address: 5710 Ruffin Road
City San Diego State CA Zip Code 92115
TEL: (858) 576-1000
FAX: (858) 576-9600

Project Name: Caltrans I-5
Project #: 105812001
Sampler: (Printed Name) MATT ROE (Signature) Matt Roe

Relinquished by: (Signature and Printed Name)	Date	Time	Received by: (Signature and Printed Name)	Date	Time
Matt Roe MATT ROE	3-16-06	4:45p	[signature]	3-16-06	4:45p
[signature]	3-16-06	8:20p	[signature]	3/16/06	

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: MATT ROE 3-15-06
Print Name Date
Matt Roe
Signature

Send Report To:
Attn: Scott Snyder
Co: Ninyo & Moore
Address 5710 Ruffin Road
City SD State CA Zip 92115

Bill To:
Attn: SEE INFO
Co:
Address
City State Zip

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested: 8081A (Pesticides), 8082 (PCB), 8260B (Volatiles), 8270C (BNA), 6010B (Total Metal), 8015B (GRO) / 8020 (BTEX), 8015B (DRO), 8021 (BTEX), TITLE 22 / CAM 17 (6010 / 7000), 8141 - Pesticides, 8151 - Herbicides, 9045 C - pH, 6010 B - Total Lead

SPECIFY APPROPRIATE MATRIX: SOIL, WATER, GROUND WATER, WASTEWATER

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8151	9045 C	6010 B	SOIL	WATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	082903-001	ISNB-LEU-HA85-1.4	3/15/06	11:25	X	X		X		E	1	J G	C	
	-002	ISNB-LEU-HA86-0.6	"	11:50		X		X			1			
	-003	ISNB-LEU-HA87-1.0	"	12:00		X		X			1			
	-004	ISNB-LOC-HA88-0.6	"	13:05		X		X			1			
	-005	ISNB-LOC-HA89-0.6	"	13:15		X		X			1			
	-006	ISNB-LOC-HA90-1.0	"	13:30		X		X			1			
	-007	ISNB-LOC-HA91-0.6	"	13:45		X		X			1			
	-008	ISNB-LOC-HA92-0.6	"	14:00		X		X			1			
	-009	EQUIP-HA-031506	"	14:30		X			X		1	P	P	N

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

April 13, 2006

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 082964

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

RE: Caltrans I-5, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on March 16, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

CLIENT: Ninyo & Moore
Project: Caltrans I-5, 105812001
Lab Order: 082964

CASE NARRATIVE

Analytical Comments for EPA 7420

RPD for Sample Duplicate (DUP) is outside criteria for sample 083197-021ADUP; however, the Laboratory Control Sample (LCS) validated the analytical batch.

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Date: 4/13/2006

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Ninyo & Moore	**Lab Order:**	082964
Project:	Caltrans I-5, 105812001	**Date Received**	3/16/2006 8:20:00 PM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
082964-001A	I5NB-LOC-HA93-0.6	22	mg/L	R61866	0.75	3	3/16/2006	4/10/2006
082964-010A	I5NB-PO1-HA102-0.6	5.6	mg/L	R61866	0.25	1	3/16/2006	4/10/2006
082964-012A	I5NB-PO1-HA104-0.3	11	mg/L	R61866	0.50	2	3/16/2006	4/10/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/13/2006

LEAD BY ATOMIC ABSORPTION
EPA 1311/ 7420

CLIENT:	Ninyo & Moore	**Lab Order:**	082964
Project:	Caltrans I-5, 105812001	**Date Received**	3/16/2006 8:20:00 PM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
082964-001A	I5NB-LOC-HA93-0.6	ND	mg/L	27514	1.2	1	3/16/2006	4/11/2006
082964-012A	I5NB-PO1-HA104-0.3	ND	mg/L	27514	1.2	1	3/16/2006	4/11/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 082964
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **MB-27480A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **PBS** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915726**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **083019-012A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **ZZZZZZ** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915737**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	26	0.75						25.09	3.99	20	

Sample ID: **083019-012AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **ZZZZZZ** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915739**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	29	1.0	5.000	25.09	74.9	70	130				

Sample ID: **MB-27480** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **PBS** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915740**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **MB-27480B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **PBS** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915741**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 082964
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **LCS-27480** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **LCSS** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915742**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.4	0.25	5.000	0	108	80	120				

Sample ID: **083197-021A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **ZZZZZZ** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915753**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	13	0.50						6.794	64.7	20	R

Sample ID: **083197-021AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **ZZZZZZ** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915754**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12	0.50	5.000	6.794	97.1	70	130				

Sample ID: **083197-021AMSD** SampType: **MSD** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **ZZZZZZ** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915755**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12	0.50	5.000	6.794	97.6	70	130	11.65	0.228	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
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CLIENT: Ninyo & Moore
Work Order: 082964
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID: **MB-27514A** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2006** RunNo: **61930**
Client ID: **PBS** Batch ID: **27514** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **4/11/2006** SeqNo: **916578**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **MB-27495A TCLP 1** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2006** RunNo: **61930**
Client ID: **PBS** Batch ID: **27514** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **4/11/2006** SeqNo: **916579**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.2									

Sample ID: **LCS-27514** SampType: **LCS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2006** RunNo: **61930**
Client ID: **LCSS** Batch ID: **27514** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **4/11/2006** SeqNo: **916580**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.89	0.25	1.000	0	88.7	80	120				

Sample ID: **083126-018A-DUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2006** RunNo: **61930**
Client ID: **ZZZZZZ** Batch ID: **27514** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **4/11/2006** SeqNo: **916588**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.2						0	0	20	

Sample ID: **083126-018A-MS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2006** RunNo: **61930**
Client ID: **ZZZZZZ** Batch ID: **27514** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **4/11/2006** SeqNo: **916589**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	13	1.2	12.50	0	101	70	130				

Sample ID: **083126-018A-MSD** SampType: **MSD** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2006** RunNo: **61930**
Client ID: **ZZZZZZ** Batch ID: **27514** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **4/11/2006** SeqNo: **916590**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 082964
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID: **083126-018A-MSD** SampType: **MSD** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2006** RunNo: **61930**
Client ID: **ZZZZZZ** Batch ID: **27514** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **4/11/2006** SeqNo: **916590**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12	1.2	12.50	0	96.6	70	130	12.65	4.61	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Rachelle Arada

From: Scott Snyder [ssnyder@ninyoandmoore.com]
Sent: Wednesday, April 05, 2006 4:45 PM
To: Rachelle Arada
Subject: additional analyses

Rachelle,

I need some additional analyses on the hand auger samples for Caltrans for leachable lead.

STLC (WET):

I5NB-ENC-HA51-0.3
I5NB-ENC-HA61-0.6
I5NB-LEU-HA76-0.3
I5NB-LOC-HA93-0.6
I5NB-PO1-HA102-0.6
I5NB-PO1-HA104-0.3
I5NB-P01-HA107-0.6
I5NB-PAL-HA113-0.3
I5NB-PAL-HA114-0.3
I5NB-CAN-HA118-0.3
I5NB-CAN-HA122-1.0
I5NB-CAS-HA142-0.3
I5NB-VIS-HA151-0.3
I5NB-VIS-HA152-0.3

TCLP:

I5NB-ENC-HA51-0.3
I5NB-LEU-HA76-0.3
I5NB-LOC-HA93-0.6
I5NB-PO1-HA104-0.3
I5NB-PAL-HA113-0.3
I5NB-CAN-HA118-0.3
I5NB-CAN-HA122-1.0
I5NB-CAS-HA142-0.3
I5NB-VIS-HA152-0.3

If you have any questions about these additional analyses, please do not hesitate to call or email.

Thanks,
Scott

Scott Snyder, PG, HG
Senior Hydrogeologist
Ninyo & Moore
5710 Ruffin Road
San Diego, California 92122
858.576.1000 x1255

March 23, 2006

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 082964

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

RE: Caltrans I-5, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on March 16, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: *23-Mar-06*

CLIENT: Ninyo & Moore
Project: Caltrans I-5, 105812001
Lab Order: 082964
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
082964-001A	I5NB-LOC-HA93-0.6	Soil	3/16/2006	3/16/2006	3/23/2006
082964-002A	I5NB-LOC-HA94-0.6	Soil	3/16/2006	3/16/2006	3/23/2006
082964-003A	I5NB-LOC-HA95-0.6	Soil	3/16/2006	3/16/2006	3/23/2006
082964-004A	I5NB-LOC-HA96-0.6	Soil	3/16/2006	3/16/2006	3/23/2006
082964-005A	I5NB-LOC-HA97-0.3	Soil	3/16/2006	3/16/2006	3/23/2006
082964-006A	I5NB-LOC-HA98-0.3	Soil	3/16/2006	3/16/2006	3/23/2006
082964-007A	I5NB-LOC-HA99-1.0	Soil	3/16/2006	3/16/2006	3/23/2006
082964-008A	I5NB-PO1-HA100-0.6	Soil	3/16/2006	3/16/2006	3/23/2006
082964-009A	I5NB-PO1-HA101-0.6	Soil	3/16/2006	3/16/2006	3/23/2006
082964-010A	I5NB-PO1-HA102-0.6	Soil	3/16/2006	3/16/2006	3/23/2006
082964-011A	I5NB-PO1-HA103-1.0	Soil	3/16/2006	3/16/2006	3/23/2006
082964-012A	I5NB-PO1-HA104-0.3	Soil	3/16/2006	3/16/2006	3/23/2006
082964-013A	I5NB-PO1-HA105-1.0	Soil	3/16/2006	3/16/2006	3/23/2006
082964-014A	I5NB-PO1-HA106-0.3	Soil	3/16/2006	3/16/2006	3/23/2006
082964-015A	EQUIP-HA-031606	Water	3/16/2006	3/16/2006	3/23/2006

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CLIENT: Ninyo & Moore
Project: Caltrans I-5, 105812001
Lab Order: 082964

CASE NARRATIVE

Analytical Comments for EPA 6010B

RPD for Sample Duplicate (DUP) is outside criteria for samples 082963-005ADUP and 082964-007ADUP; however, the Laboratory Control Sample (LCS) validated the analytical batch.

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Date: 3/23/2006

LEAD BY ICP
EPA 6010B

CLIENT:	Ninyo & Moore	**Lab Order:**	082964
Project:	Caltrans I-5, 105812001	**Date Received**	3/16/2006 8:20:00 PM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
082964-001A	I5NB-LOC-HA93-0.6	210	mg/Kg	27188	1.0	1	3/16/2006	3/20/2006
082964-002A	I5NB-LOC-HA94-0.6	7.8	mg/Kg	27188	1.0	1	3/16/2006	3/20/2006
082964-003A	I5NB-LOC-HA95-0.6	42	mg/Kg	27188	1.0	1	3/16/2006	3/20/2006
082964-004A	I5NB-LOC-HA96-0.6	3.4	mg/Kg	27188	1.0	1	3/16/2006	3/20/2006
082964-005A	I5NB-LOC-HA97-0.3	2.6	mg/Kg	27188	1.0	1	3/16/2006	3/20/2006
082964-006A	I5NB-LOC-HA98-0.3	45	mg/Kg	27188	1.0	1	3/16/2006	3/20/2006
082964-007A	I5NB-LOC-HA99-1.0	2.9	mg/Kg	27188	1.0	1	3/16/2006	3/20/2006
082964-008A	I5NB-PO1-HA100-0.(	4.4	mg/Kg	27189	1.0	1	3/16/2006	3/20/2006
082964-009A	I5NB-PO1-HA101-0.(	9.0	mg/Kg	27189	1.0	1	3/16/2006	3/20/2006
082964-010A	I5NB-PO1-HA102-0.(	64	mg/Kg	27189	1.0	1	3/16/2006	3/20/2006
082964-011A	I5NB-PO1-HA103-1.(	2.9	mg/Kg	27189	1.0	1	3/16/2006	3/20/2006
082964-012A	I5NB-PO1-HA104-0.:	120	mg/Kg	27189	1.0	1	3/16/2006	3/20/2006
082964-013A	I5NB-PO1-HA105-1.(	3.5	mg/Kg	27189	1.0	1	3/16/2006	3/20/2006
082964-014A	I5NB-PO1-HA106-0.:	23	mg/Kg	27189	1.0	1	3/16/2006	3/20/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 3/23/2006

LEAD BY ICP
EPA 6010B

CLIENT:	Ninyo & Moore	**Lab Order:**	082964
Project:	Caltrans I-5, 105812001	**Date Received**	3/16/2006 8:20:00 PM
Project No:		**Matrix:**	Water
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
082964-015A	EQUIP-HA-031606	ND	mg/L	27208	0.25	1	3/16/2006	3/22/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 3/23/2006

pH
EPA 9045C

CLIENT:	Ninyo & Moore	**Lab Order:**	082964
Project:	Caltrans I-5, 105812001	**Date Received**	3/16/2006 8:20:00 PM
Project No:		**Matrix:**	Soil
Analyte:	pH	**Analyst:**	RSJ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
082964-001A	I5NB-LOC-HA93-0.6	7.5	pH Units	R60909	0.10	1	3/16/2006	3/20/2006
082964-012A	I5NB-PO1-HA104-0.3	7.2	pH Units	R60909	0.10	1	3/16/2006	3/20/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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CLIENT: Ninyo & Moore
Work Order: 082964
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **MB-27188A** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/20/2006** RunNo: **61049**
Client ID: **PBS** Batch ID: **27188** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/20/2006** SeqNo: **903810**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID: **LCS-27188** SampType: **LCS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/20/2006** RunNo: **61049**
Client ID: **LCSS** Batch ID: **27188** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/20/2006** SeqNo: **903811**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	250	1.0	250.0	0.5450	100	80	120				

Sample ID: **082963-005ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/20/2006** RunNo: **61049**
Client ID: **ZZZZZZ** Batch ID: **27188** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/20/2006** SeqNo: **903822**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	16	1.0						10.91	38.9	20	R

Sample ID: **082963-005AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/20/2006** RunNo: **61049**
Client ID: **ZZZZZZ** Batch ID: **27188** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/20/2006** SeqNo: **903823**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	250	1.0	250.0	10.91	95.7	31	122				

Sample ID: **MB-27188B** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/20/2006** RunNo: **61049**
Client ID: **PBS** Batch ID: **27188** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/20/2006** SeqNo: **903824**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Qualifiers:
- E Value above quantitation range
- R RPD outside accepted recovery limits
- Calculations are based on raw values
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interferenc
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 082964
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **082964-007ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/20/2006** RunNo: **61049**
Client ID: **I5NB-LOC-HA99-1.0** Batch ID: **27188** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/20/2006** SeqNo: **903835**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.2	1.0						2.875	28.4	20	R

Sample ID: **082964-007AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/20/2006** RunNo: **61049**
Client ID: **I5NB-LOC-HA99-1.0** Batch ID: **27188** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/20/2006** SeqNo: **903836**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	230	1.0	250.0	2.875	89.5	31	122				

Sample ID: **082964-007AMSD** SampType: **MSD** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/20/2006** RunNo: **61049**
Client ID: **I5NB-LOC-HA99-1.0** Batch ID: **27188** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/20/2006** SeqNo: **903837**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	220	1.0	250.0	2.875	87.8	31	122	226.7	1.87	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 082964
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **MB-27189A** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/20/2006** RunNo: **61051**
Client ID: **PBS** Batch ID: **27189** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/20/2006** SeqNo: **903864**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID: **LCS-27189** SampType: **LCS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/20/2006** RunNo: **61051**
Client ID: **LCSS** Batch ID: **27189** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/20/2006** SeqNo: **903865**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	260	1.0	250.0	0	104	80	120				

Sample ID: **082964-014ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/20/2006** RunNo: **61051**
Client ID: **I5NB-PO1-HA106-0.3** Batch ID: **27189** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/20/2006** SeqNo: **903873**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	21	1.0						23.50	9.22	20	

Sample ID: **082964-014AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/20/2006** RunNo: **61051**
Client ID: **I5NB-PO1-HA106-0.3** Batch ID: **27189** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/20/2006** SeqNo: **903874**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	290	1.0	250.0	23.50	105	31	122				

Sample ID: **082964-014AMSD** SampType: **MSD** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/20/2006** RunNo: **61051**
Client ID: **I5NB-PO1-HA106-0.3** Batch ID: **27189** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/20/2006** SeqNo: **903875**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	260	1.0	250.0	23.50	96.0	31	122	285.6	8.05	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 082964
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_WPB

Sample ID: **MB-27208** SampType: **MBLK** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/21/2006** RunNo: **60957**
Client ID: **PBW** Batch ID: **27208** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/22/2006** SeqNo: **902224**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-27208** SampType: **LCS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/21/2006** RunNo: **60957**
Client ID: **LCSW** Batch ID: **27208** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/22/2006** SeqNo: **902225**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.0	0.25	1.000	0.005300	104	85	115				

Sample ID: **082962-006ADUP** SampType: **DUP** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/21/2006** RunNo: **60957**
Client ID: **ZZZZZZ** Batch ID: **27208** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/22/2006** SeqNo: **902227**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25						0.003782	0	20	

Sample ID: **082962-006AMS** SampType: **MS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/21/2006** RunNo: **60957**
Client ID: **ZZZZZZ** Batch ID: **27208** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/22/2006** SeqNo: **902228**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.5	0.25	2.500	0.003782	98.0	78	118				

Sample ID: **082962-006AMSD** SampType: **MSD** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/21/2006** RunNo: **60957**
Client ID: **ZZZZZZ** Batch ID: **27208** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/22/2006** SeqNo: **902229**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.5	0.25	2.500	0.003782	99.9	78	118	2.455	1.85	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 082964
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID: **082962-001ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: **3/20/2006** RunNo: **60909**
Client ID: **ZZZZZZ** Batch ID: **R60909** TestNo: **EPA 9045C** Analysis Date: **3/20/2006** SeqNo: **901389**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	6.6	0.10						6.830	3.88	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

3-16-06 - Thursday

CHAIN OF CUSTODY RECORD

Pg 1 of

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:
Logged By: Date: 3/17/06

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other:

Sample Condition Upon Receipt:
1. CHILLED Y☑ N☐ 4. SEALED Y☐ N☑
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☑ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☑ N☐

Client: Ninyo & Moore
Attn: Scott Snyder
Address: 5710 Ruffin Road
City SAN DIEGO State CA Zip Code 92115
TEL: (858) 576-1000
FAX: (858) 576-9600

Project Name: Caltrans I-5
Project #: 105812001
Sampler: (Printed Name) MATT ROE (Signature) Matt Roe

Relinquished by: (Signature and Printed Name) Date: 3-16-06 Time: 4:45p
Received by: (Signature and Printed Name) Date: 3-16-06 Time: 4:45p
Relinquished by: (Signature and Printed Name) Date: 3-16-06 Time: 5:20p
Received by: (Signature and Printed Name) Date: 3/16/06 Time:
Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: MATT ROE 3-16-06
Print Name Date
Signature: Matt Roe

Send Report To:
Attn: Scott Snyder
Co: Ninyo & Moore
Address 5710 Ruffin Road
City SD State CA Zip 92115

Bill To:
Attn: See info
Co:
Address
City State Zip

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested: 8081A (Pesticides), 8082 (PCB), 8260B (Volatiles), 8270C (BNA), 6010B (Total Metal), 8015B (GRO) / 8020 (BTEX), 8015B (DRO), 8021 (BTEX), TITLE 22 / CAM 17 (6010 / 7000), 8141 - Pesticide, 8151 - Herbicide, 9045 C - pH, 6010 B - Total Lead

SPECIFY APPROPRIATE MATRIX: SOIL, WATER, GROUND WATER, WASTEWATER

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8141 - Pesticide	8151 - Herbicide	9045 C - pH	6010 B - Total Lead	SOIL	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	0829C4-001	ISNB-LOC-HA93-0.6	3/16	9:50	X	X		X	X	E	1	J G	C	
	-002	ISNB-LOC-HA94-0.6	3/16	10:15		X		X	X					
	-003	ISNB-LOC-HA95-0.6	"	10:25		X		X	X					
	-004	ISNB-LOC-HA96-0.6	"	10:30		X		X	X					
	-005	ISNB-LOC-HA97-0.3	"	11:00		X		X	X					
	-006	ISNB-LOC-HA98-0.3	"	11:05		X		X	X					
	-007	ISNB-LOC-HA99-1.0	"	11:10		X		X	X					
	-008	ISNP-P01-HA100-0.6	"	12:05		X		X	X					
	-009	ISNB-P01-HA101-0.6	"	12:10		X		X	X					
	-010	ISNB-P01-HA102-0.6	"	12:25		X		X	X					13:35

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

3-16-06

CHAIN OF CUSTODY RECORD

Pg 2 of

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: Date: 3/17/06

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other:

Sample Condition Upon Receipt: 1. CHILLED Y☑ N☐ 2. HEADSPACE (VOA) Y☐ N☐ 3. CONTAINER INTACT Y☑ N☐ 4. SEALED Y☐ N☑ 5. # OF SPLS MATCH COC Y☑ N☐ 6. PRESERVED Y☑ N☐

Client: Ninyo & Moore
Attn: Scott Snyder
Address: 5710 Ruffin Road
City: San Diego State: CA Zip Code: 92115
TEL: (858) 576-1000
FAX: (858) 576-9600

Project Name: Caltrans I-5 Project #: 105812001 Sampler: (Printed Name) MATT ROE (Signature) Matt Roe

Relinquished by: (Signature and Printed Name) MATT ROE Matt Roe Date: 3-16-06 Time: 4:45p
Received by: (Signature and Printed Name) Date: 3-16-06 Time: 4:45p

Relinquished by: (Signature and Printed Name) Date: 3-16-06 Time: 8:20p
Received by: (Signature and Printed Name) Date: 3/16/06 Time:

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: MATT ROE (Print Name) 3-16-06 (Date) Matt Roe (Signature)

Send Report To:
Attn: Scott Snyder
Co: Ninyo & Moore
Address: 5710 Ruffin Rd
City: SD State: CA Zip: 92115

Bill To:
Attn: SEE INFO
Co:
Address
City State Zip

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested: 8081A (Pesticides), 8082 (PCB), 8260B (Volatiles), 8270C (BNA), 6010B (Total Metal), 8015B (GRO) / 8020 (BTEX), 8015B (DRO), 8021 (BTEX), TITLE 22 / CAM 17 (6010 / 7000), 8141 - Pest, 8151 - Herb, 9045 C - PH, 6010 B - Total lead

SPECIFY APPROPRIATE MATRIX: SOIL, WATER, GROUND WATER, WASTEWATER

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A	8082	8260B	8270C	6010B	8015B	8021	TITLE 22	8141	8151	9045 C	6010 B	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	082964-011	ISNB-P01-HA103-1.0	3/16	13:35											X		X				E	1	5 6	C	
	-012	ISNB-P01-HA104-0.3	"	13:45										X	X		X					1			
	-013	ISNB-P01-HA105-1.0	"	14:05											X		X					1			
	-014	ISNB-P01-HA106-0.3	"	14:15											X		X					1			
	-015	Equip-HA-031606	3/16	7:55											X			X			E	1	P P	N	

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

May 11, 2006

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 082964

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

RE: Caltrans I-5, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on March 16, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: *11-May-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5NB-LOC-HA93-0.6
Lab Order:	082964	**Tag Number:**	
Project:	Caltrans I-5, 105812001	**Collection Date:**	3/16/2006 9:50:00 AM
Lab ID:	082964-001A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
LEAD BY ATOMIC ABSORPTION						
			WET DI/ EPA 7420			
RunID: AA2_060508D	QC Batch: R63076			PrepDate:		Analyst: **NS**
Lead	1.9	0.25		mg/L	1	5/8/2006

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Date: *11-May-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5NB-PO1-HA102-0.6
Lab Order:	082964	**Tag Number:**	
Project:	Caltrans I-5, 105812001	**Collection Date:**	3/16/2006 1:25:00 PM
Lab ID:	082964-010A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
LEAD BY ATOMIC ABSORPTION						
			WET DI/ EPA 7420			
RunID: AA2_060508D	QC Batch: R63076			PrepDate:		Analyst: **NS**
Lead	0.72	0.25		mg/L	1	5/8/2006

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Date: *11-May-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5NB-PO1-HA104-0.3
Lab Order:	082964	**Tag Number:**	
Project:	Caltrans I-5, 105812001	**Collection Date:**	3/16/2006 1:45:00 PM
Lab ID:	082964-012A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
LEAD BY ATOMIC ABSORPTION						
			WET DI/ EPA 7420			
RunID: AA2_060508D	QC Batch: R63076			PrepDate:		Analyst: **NS**
Lead	0.42	0.25		mg/L	1	5/8/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

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Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *11-May-06*

CLIENT: Ninyo & Moore
Work Order: 082964
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID: **083019-012A-DUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **ZZZZZZ** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932882**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25						0	0	20	

Sample ID: **083019-012AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **ZZZZZZ** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932883**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.37	0.25	5.000	0	107	70	130				

Sample ID: **MB-27867B** SampType: **MBLK** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **PBS** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932884**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **MB-27867** SampType: **MBLK** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **PBS** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932892**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **083252-010A-DUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **ZZZZZZ** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932896**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.55	0.25						2.130	17.8	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 082964
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID: **083252-010AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **ZZZZZZ** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932897**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.21	0.25	5.000	2.130	102	70	130				

Sample ID: **083252-010AMSD** SampType: **MSD** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **ZZZZZZ** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932898**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.22	0.25	5.000	2.130	102	70	130	7.209	0.138	20	

Sample ID: **MB-27867A** SampType: **MBLK** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **PBS** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932899**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **LCS-27867** SampType: **LCS** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **LCSS** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932900**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.05	0.25	5.000	0	101	80	120				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Rachelle Arada

From: Scott Snyder [ssnyder@ninyoandmoore.com]
Sent: Tuesday, May 02, 2006 9:04 AM
To: Rachelle Arada
Subject: FW: additional analyses

Rachelle,

For the samples listed below, I am also looking for a WET analysis using deionized water as the extractant instead of whatever it is you normally use for the WET method. You already ran the standard WET test, but now I need deionized water used. What is the extractant that is normally use for the WET test? Is it citric acid?

Thanks,
Scott

I5NB-ENC-HA51-0.3
I5NB-ENC-HA61-0.6
I5NB-LEU-HA76-0.3
I5NB-LOC-HA93-0.6
I5NB-PO1-HA102-0.6
I5NB-PO1-HA104-0.3
I5NB-P01-HA107-0.6
I5NB-PAL-HA113-0.3
I5NB-PAL-HA114-0.3
I5NB-CAN-HA118-0.3
I5NB-CAN-HA122-1.0
I5NB-CAS-HA142-0.3
I5NB-VIS-HA151-0.3
I5NB-VIS-HA152-0.3

Scott Snyder, PG, HG
Senior Hydrogeologist
Ninyo & Moore
5710 Ruffin Road
San Diego, California 92122
858.576.1000 x1255

March 28, 2006

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 083019

RE: Caltrans I-5, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on March 17, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

for Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: *28-Mar-06*

CLIENT: Ninyo & Moore
Project: Caltrans I-5, 105812001
Lab Order: 083019
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
083019-001A	I5NB-P01-HA107-0.6	Soil	3/17/2006	3/17/2006	3/28/2006
083019-002A	I5NB-P01-HA108-1.0	Soil	3/17/2006	3/17/2006	3/28/2006
083019-003A	I5NB-P01-HA109-1.0	Soil	3/17/2006	3/17/2006	3/28/2006
083019-004A	I5NB-PAL-HA110-0.6	Soil	3/17/2006	3/17/2006	3/28/2006
083019-005A	I5NB-PAL-HA111-0.3	Soil	3/17/2006	3/17/2006	3/28/2006
083019-006A	I5NB-PAL-HA112-0.3	Soil	3/17/2006	3/17/2006	3/28/2006
083019-006B	I5NB-PAL-HA112-0.3	Soil	3/17/2006	3/17/2006	3/28/2006
083019-006C	I5NB-PAL-HA112-0.3	Soil	3/17/2006	3/17/2006	3/28/2006
083019-007A	I5NB-PAL-HA113-0.3	Soil	3/17/2006	3/17/2006	3/28/2006
083019-007B	I5NB-PAL-HA113-0.3	Soil	3/17/2006	3/17/2006	3/28/2006
083019-007C	I5NB-PAL-HA113-0.3	Soil	3/17/2006	3/17/2006	3/28/2006
083019-008A	I5NB-PAL-HA114-0.3	Soil	3/17/2006	3/17/2006	3/28/2006
083019-009A	I5NB-PAL-HA115-0.3	Soil	3/17/2006	3/17/2006	3/28/2006
083019-010A	I5NB-PAL-HA116-0.3	Soil	3/17/2006	3/17/2006	3/28/2006
083019-011A	I5NB-PAL-HA117-0.6	Soil	3/17/2006	3/17/2006	3/28/2006
083019-012A	I5NB-CAN-HA118-0.3	Soil	3/17/2006	3/17/2006	3/28/2006
083019-013A	I5NB-CAN-HA119-0.3	Soil	3/17/2006	3/17/2006	3/28/2006
083019-013B	I5NB-CAN-HA119-0.3	Soil	3/17/2006	3/17/2006	3/28/2006
083019-013C	I5NB-CAN-HA119-0.3	Soil	3/17/2006	3/17/2006	3/28/2006
083019-014A	Equip-HA-031706	Water	3/17/2006	3/17/2006	3/28/2006
083019-014B	Equip-HA-031706	Water	3/17/2006	3/17/2006	3/28/2006
083019-014C	Equip-HA-031706	Water	3/17/2006	3/17/2006	3/28/2006
083019-014D	Equip-HA-031706	Water	3/17/2006	3/17/2006	3/28/2006

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Project: Caltrans I-5, 105812001
Lab Order: 083019

CASE NARRATIVE

The samples for EPA 8141 analysis were subcontracted to D-tek Analytical Laboratories, Inc. with ELAP Cert. 2344.

The samples for EPA 8151 analysis were subcontracted to Sierra Analytical Laboratories, Inc. with ELAP Cert. 2320.

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Advanced Technology Laboratories

Date: 3/28/2006

LEAD BY ICP
EPA 6010B

CLIENT:	Ninyo & Moore	**Lab Order:**	083019
Project:	Caltrans I-5, 105812001	**Date Received**	3/17/2006 8:00:00 PM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
083019-001A	I5NB-P01-HA107-0.6	70	mg/Kg	27209	1.0	1	3/17/2006	3/22/2006
083019-002A	I5NB-P01-HA108-1.0	1.5	mg/Kg	27209	1.0	1	3/17/2006	3/22/2006
083019-003A	I5NB-P01-HA109-1.0	8.7	mg/Kg	27209	1.0	1	3/17/2006	3/22/2006
083019-004A	5NB-PAL-HA110-0.6	29	mg/Kg	27209	1.0	1	3/17/2006	3/22/2006
083019-005A	5NB-PAL-HA111-0.3	4.3	mg/Kg	27209	1.0	1	3/17/2006	3/22/2006
083019-006A	5NB-PAL-HA112-0.3	2.7	mg/Kg	27209	1.0	1	3/17/2006	3/22/2006
083019-007A	5NB-PAL-HA113-0.3	100	mg/Kg	27209	1.0	1	3/17/2006	3/22/2006
083019-008A	5NB-PAL-HA114-0.3	56	mg/Kg	27209	1.0	1	3/17/2006	3/22/2006
083019-009A	5NB-PAL-HA115-0.3	42	mg/Kg	27209	1.0	1	3/17/2006	3/22/2006
083019-010A	5NB-PAL-HA116-0.3	41	mg/Kg	27209	1.0	1	3/17/2006	3/22/2006
083019-011A	5NB-PAL-HA117-0.6	8.3	mg/Kg	27209	1.0	1	3/17/2006	3/22/2006
083019-012A	5NB-CAN-HA118-0.3	320	mg/Kg	27209	1.0	1	3/17/2006	3/22/2006
083019-013A	5NB-CAN-HA119-0.3	17	mg/Kg	27209	1.0	1	3/17/2006	3/22/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 3/28/2006

LEAD BY ICP
EPA 6010B

CLIENT:	Ninyo & Moore	**Lab Order:**	083019
Project:	Caltrans I-5, 105812001	**Date Received**	3/17/2006 8:00:00 PM
Project No:		**Matrix:**	Water
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
083019-014A	Equip-HA-031706	ND	mg/L	27208	0.25	1	3/17/2006	3/22/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 3/28/2006

pH
EPA 9045C

CLIENT:	Ninyo & Moore	**Lab Order:**	083019
Project:	Caltrans I-5, 105812001	**Date Received**	3/17/2006 8:00:00 PM
Project No:		**Matrix:**	Soil
Analyte:	pH	**Analyst:**	RSJ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
083019-001A	I5NB-P01-HA107-0.6	7.2	pH Units	R60909	0.10	1	3/17/2006	3/20/2006
083019-012A	5NB-CAN-HA118-0..	8.1	pH Units	R60909	0.10	1	3/17/2006	3/20/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *28-Mar-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5NB-CAN-HA119-0.3
Lab Order:	083019	**Tag Number:**	
Project:	Caltrans I-5, 105812001	**Collection Date:**	3/17/2006 1:55:00 PM
Lab ID:	083019-013A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3550B				**EPA 8081A**		
RunID: GC10_060322A	QC Batch: 27214			PrepDate:	3/21/2006	Analyst: **EES**
4,4'-DDD	2.2	2.0		µg/Kg	1	3/23/2006 2:39:00 PM
4,4'-DDE	90	10		µg/Kg	5	3/23/2006 5:01:00 PM
4,4'-DDT	30	2.0		µg/Kg	1	3/23/2006 2:39:00 PM
Aldrin	ND	1.0		µg/Kg	1	3/23/2006 2:39:00 PM
alpha-BHC	ND	1.0		µg/Kg	1	3/23/2006 2:39:00 PM
alpha-Chlordane	ND	1.0		µg/Kg	1	3/23/2006 2:39:00 PM
beta-BHC	ND	1.0		µg/Kg	1	3/23/2006 2:39:00 PM
Chlordane	ND	8.5		µg/Kg	1	3/23/2006 2:39:00 PM
delta-BHC	ND	1.0		µg/Kg	1	3/23/2006 2:39:00 PM
Dieldrin	ND	2.0		µg/Kg	1	3/23/2006 2:39:00 PM
Endosulfan I	ND	1.0		µg/Kg	1	3/23/2006 2:39:00 PM
Endosulfan II	ND	2.0		µg/Kg	1	3/23/2006 2:39:00 PM
Endosulfan sulfate	ND	2.0		µg/Kg	1	3/23/2006 2:39:00 PM
Endrin	ND	2.0		µg/Kg	1	3/23/2006 2:39:00 PM
Endrin aldehyde	ND	2.0		µg/Kg	1	3/23/2006 2:39:00 PM
Endrin ketone	ND	2.0		µg/Kg	1	3/23/2006 2:39:00 PM
gamma-BHC	ND	1.0		µg/Kg	1	3/23/2006 2:39:00 PM
gamma-Chlordane	ND	1.0		µg/Kg	1	3/23/2006 2:39:00 PM
Heptachlor	ND	1.0		µg/Kg	1	3/23/2006 2:39:00 PM
Heptachlor epoxide	ND	1.0		µg/Kg	1	3/23/2006 2:39:00 PM
Methoxychlor	ND	8.5		µg/Kg	1	3/23/2006 2:39:00 PM
Toxaphene	120	85		µg/Kg	1	3/23/2006 2:39:00 PM
Surr: Decachlorobiphenyl	97.2	59-127		%REC	1	3/23/2006 2:39:00 PM
Surr: Tetrachloro-m-xylene	88.1	60-109		%REC	1	3/23/2006 2:39:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *28-Mar-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	Equip-HA-031706
Lab Order:	083019	**Tag Number:**	
Project:	Caltrans I-5, 105812001	**Collection Date:**	3/17/2006 2:00:00 PM
Lab ID:	083019-014B	**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
	EPA 3510C			**EPA 8081A**		
RunID: GC10_060326A	QC Batch: 27222			PrepDate:	3/22/2006	Analyst: **EES**
4,4'-DDD	ND	0.050		µg/L	1	3/26/2006 4:05:00 PM
4,4'-DDE	ND	0.050		µg/L	1	3/26/2006 4:05:00 PM
4,4'-DDT	ND	0.050		µg/L	1	3/26/2006 4:05:00 PM
Aldrin	ND	0.025		µg/L	1	3/26/2006 4:05:00 PM
alpha-BHC	ND	0.025		µg/L	1	3/26/2006 4:05:00 PM
alpha-Chlordane	ND	0.025		µg/L	1	3/26/2006 4:05:00 PM
beta-BHC	ND	0.025		µg/L	1	3/26/2006 4:05:00 PM
Chlordane	ND	0.25		µg/L	1	3/26/2006 4:05:00 PM
delta-BHC	ND	0.025		µg/L	1	3/26/2006 4:05:00 PM
Dieldrin	ND	0.050		µg/L	1	3/26/2006 4:05:00 PM
Endosulfan I	ND	0.025		µg/L	1	3/26/2006 4:05:00 PM
Endosulfan II	ND	0.050		µg/L	1	3/26/2006 4:05:00 PM
Endosulfan sulfate	ND	0.050		µg/L	1	3/26/2006 4:05:00 PM
Endrin	ND	0.050		µg/L	1	3/26/2006 4:05:00 PM
Endrin aldehyde	ND	0.050		µg/L	1	3/26/2006 4:05:00 PM
Endrin ketone	ND	0.050		µg/L	1	3/26/2006 4:05:00 PM
gamma-BHC	ND	0.025		µg/L	1	3/26/2006 4:05:00 PM
gamma-Chlordane	ND	0.025		µg/L	1	3/26/2006 4:05:00 PM
Heptachlor	ND	0.025		µg/L	1	3/26/2006 4:05:00 PM
Heptachlor epoxide	ND	0.025		µg/L	1	3/26/2006 4:05:00 PM
Methoxychlor	ND	0.25		µg/L	1	3/26/2006 4:05:00 PM
Toxaphene	ND	2.5		µg/L	1	3/26/2006 4:05:00 PM
Surr: Decachlorobiphenyl	64.1	25-123		%REC	1	3/26/2006 4:05:00 PM
Surr: Tetrachloro-m-xylene	84.3	43-119		%REC	1	3/26/2006 4:05:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

CLIENT: Ninyo & Moore
Work Order: 083019
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **MB-27209A** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/21/2006** RunNo: **61052**
Client ID: **PBS** Batch ID: **27209** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/22/2006** SeqNo: **903877**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID: **LCS-27209** SampType: **LCS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/21/2006** RunNo: **61052**
Client ID: **LCSS** Batch ID: **27209** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/22/2006** SeqNo: **903878**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	250	1.0	250.0	0	99.6	80	120				

Sample ID: **083019-010ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/21/2006** RunNo: **61052**
Client ID: **I5NB-PAL-HA116-0.3** Batch ID: **27209** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/22/2006** SeqNo: **903889**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	39	1.0						40.82	4.29	20	

Sample ID: **083019-010AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/21/2006** RunNo: **61052**
Client ID: **I5NB-PAL-HA116-0.3** Batch ID: **27209** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/22/2006** SeqNo: **903890**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	280	1.0	250.0	40.82	94.3	31	122				

Sample ID: **MB-27209B** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/21/2006** RunNo: **61052**
Client ID: **PBS** Batch ID: **27209** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/22/2006** SeqNo: **903891**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083019
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **083019-013ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/21/2006** RunNo: **61052**
Client ID: **I5NB-CAN-HA119-0.** Batch ID: **27209** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/22/2006** SeqNo: **903895**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	17	1.0						16.72	4.28	20	

Sample ID: **083019-013AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/21/2006** RunNo: **61052**
Client ID: **I5NB-CAN-HA119-0.** Batch ID: **27209** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/22/2006** SeqNo: **903896**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	230	1.0	250.0	16.72	84.4	31	122				

Sample ID: **083019-013AMSD** SampType: **MSD** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/21/2006** RunNo: **61052**
Client ID: **I5NB-CAN-HA119-0.** Batch ID: **27209** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/22/2006** SeqNo: **903897**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	230	1.0	250.0	16.72	83.4	31	122	227.6	1.04	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083019
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_WPB

Sample ID: **MB-27208** SampType: **MBLK** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/21/2006** RunNo: **60957**
Client ID: **PBW** Batch ID: **27208** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/22/2006** SeqNo: **902224**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-27208** SampType: **LCS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/21/2006** RunNo: **60957**
Client ID: **LCSW** Batch ID: **27208** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/22/2006** SeqNo: **902225**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.0	0.25	1.000	0.005300	104	85	115				

Sample ID: **082962-006ADUP** SampType: **DUP** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/21/2006** RunNo: **60957**
Client ID: **ZZZZZZ** Batch ID: **27208** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/22/2006** SeqNo: **902227**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25						0.003782	0	20	

Sample ID: **082962-006AMS** SampType: **MS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/21/2006** RunNo: **60957**
Client ID: **ZZZZZZ** Batch ID: **27208** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/22/2006** SeqNo: **902228**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.5	0.25	2.500	0.003782	98.0	78	118				

Sample ID: **082962-006AMSD** SampType: **MSD** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/21/2006** RunNo: **60957**
Client ID: **ZZZZZZ** Batch ID: **27208** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/22/2006** SeqNo: **902229**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.5	0.25	2.500	0.003782	99.9	78	118	2.455	1.85	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083019
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **MB-27214** SampType: **MBLK** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/21/2006** RunNo: **60971**
Client ID: **PBS** Batch ID: **27214** TestNo: **EPA 8081A EPA 3550B** Analysis Date: **3/22/2006** SeqNo: **902534**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	ND	2.0									
4,4'-DDE	ND	2.0									
4,4'-DDT	ND	2.0									
Aldrin	ND	1.0									
alpha-BHC	ND	1.0									
alpha-Chlordane	ND	1.0									
beta-BHC	ND	1.0									
Chlordane	ND	8.5									
delta-BHC	ND	1.0									
Dieldrin	ND	2.0									
Endosulfan I	ND	1.0									
Endosulfan II	ND	2.0									
Endosulfan sulfate	ND	2.0									
Endrin	ND	2.0									
Endrin aldehyde	ND	2.0									
Endrin ketone	ND	2.0									
gamma-BHC	ND	1.0									
gamma-Chlordane	ND	1.0									
Heptachlor	ND	1.0									
Heptachlor epoxide	ND	1.0									
Methoxychlor	ND	8.5									
Toxaphene	ND	85									
Surr: Tetrachloro-m-xylene	15		16.65		92.3	60	109				
Surr: Decachlorobiphenyl	16		16.65		93.3	59	127				

Sample ID: **LCS-27214** SampType: **LCS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/21/2006** RunNo: **60971**
Client ID: **LCSS** Batch ID: **27214** TestNo: **EPA 8081A EPA 3550B** Analysis Date: **3/22/2006** SeqNo: **902535**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	21	2.0	16.65	0	125	75	128				
Aldrin	19	1.0	16.65	0	116	80	124				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083019
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: LCS-27214	SampType: LCS	TestCode: 8081_S	Units: µg/Kg	Prep Date: 3/21/2006	RunNo: 60971
Client ID: LCSS	Batch ID: 27214	TestNo: EPA 8081A	EPA 3550B	Analysis Date: 3/22/2006	SeqNo: 902535

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dieldrin	20	2.0	16.65	0	120	82	121				
Endrin	21	2.0	16.65	0	123	79	141				
gamma-BHC	20	1.0	16.65	0	120	84	122				
Heptachlor	21	1.0	16.65	0	127	74	136				
Surr: Tetrachloro-m-xylene	16		16.65		93.1	60	109				
Surr: Decachlorobiphenyl	15		16.65		91.9	59	127				

Sample ID: 082962-005ADUP	SampType: DUP	TestCode: 8081_S	Units: µg/Kg	Prep Date: 3/21/2006	RunNo: 60971
Client ID: ZZZZZZ	Batch ID: 27214	TestNo: EPA 8081A	EPA 3550B	Analysis Date: 3/22/2006	SeqNo: 902537

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	ND	2.0						0	0	30	
4,4'-DDE	ND	2.0						0	0	30	
4,4'-DDT	ND	2.0						0	0	30	
Aldrin	ND	1.0						0	0	30	
alpha-BHC	ND	1.0						0	0	30	
alpha-Chlordane	ND	1.0						0	0	30	
beta-BHC	ND	1.0						0	0	30	
Chlordane	ND	8.5						0	0	30	
delta-BHC	ND	1.0						0	0	30	
Dieldrin	ND	2.0						0	0	30	
Endosulfan I	ND	1.0						0	0	30	
Endosulfan II	ND	2.0						0	0	30	
Endosulfan sulfate	ND	2.0						0	0	30	
Endrin	ND	2.0						0	0	30	
Endrin aldehyde	ND	2.0						0	0	30	
Endrin ketone	ND	2.0						0	0	30	
gamma-BHC	ND	1.0						0	0	30	
gamma-Chlordane	ND	1.0						0	0	30	
Heptachlor	ND	1.0						0	0	30	
Heptachlor epoxide	ND	1.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083019
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **082962-005ADUP** SampType: **DUP** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/21/2006** RunNo: **60971**
Client ID: **ZZZZZZ** Batch ID: **27214** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/22/2006** SeqNo: **902537**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methoxychlor	ND	8.5						0	0	30	
Toxaphene	ND	85						0	0	30	
Surr: Tetrachloro-m-xylene	15		16.65		89.9	60	109		0	0	
Surr: Decachlorobiphenyl	15		16.62		90.1	59	127		0	0	

Sample ID: **MB-27214** SampType: **MBLK** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/21/2006** RunNo: **60971**
Client ID: **PBS** Batch ID: **27214** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/23/2006** SeqNo: **904058**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	ND	2.0									
4,4'-DDE	ND	2.0									
4,4'-DDT	ND	2.0									
Aldrin	ND	1.0									
alpha-BHC	ND	1.0									
alpha-Chlordane	ND	1.0									
beta-BHC	ND	1.0									
Chlordane	ND	8.5									
delta-BHC	ND	1.0									
Dieldrin	ND	2.0									
Endosulfan I	ND	1.0									
Endosulfan II	ND	2.0									
Endosulfan sulfate	ND	2.0									
Endrin	ND	2.0									
Endrin aldehyde	ND	2.0									
Endrin ketone	ND	2.0									
gamma-BHC	ND	1.0									
gamma-Chlordane	ND	1.0									
Heptachlor	ND	1.0									
Heptachlor epoxide	ND	1.0									
Methoxychlor	ND	8.5									
Toxaphene	ND	85									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083019
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **MB-27214** SampType: **MBLK** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/21/2006** RunNo: **60971**
Client ID: **PBS** Batch ID: **27214** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/23/2006** SeqNo: **904058**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Tetrachloro-m-xylene	16		16.65		93.4	60	109				
Surr: Decachlorobiphenyl	15		16.65		89.8	59	127				

Sample ID: **LCS-27214** SampType: **LCS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/21/2006** RunNo: **60971**
Client ID: **LCSS** Batch ID: **27214** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/23/2006** SeqNo: **904059**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	20	2.0	16.65	0	117	75	128				
Aldrin	19	1.0	16.65	0	115	80	124				
Dieldrin	19	2.0	16.65	0	114	82	121				
Endrin	22	2.0	16.65	0	132	79	141				
gamma-BHC	20	1.0	16.65	0	120	84	122				
Heptachlor	21	1.0	16.65	0	128	74	136				
Surr: Tetrachloro-m-xylene	16		16.65		95.9	60	109				
Surr: Decachlorobiphenyl	14		16.65		84.4	59	127				

Sample ID: **082995-023AMS** SampType: **MS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/21/2006** RunNo: **60971**
Client ID: **ZZZZZZ** Batch ID: **27214** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/23/2006** SeqNo: **904203**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	17	2.0	16.65	1.639	93.8	64	165				
Aldrin	19	1.0	16.65	0	117	68	135				
Dieldrin	20	2.0	16.65	0	120	48	165				
Endrin	24	2.0	16.65	0	146	60	186				
gamma-BHC	20	1.0	16.65	0	121	70	134				
Heptachlor	23	1.0	16.65	0	139	73	152				
Surr: Tetrachloro-m-xylene	16		16.65		95.6	60	109				
Surr: Decachlorobiphenyl	13		16.65		75.7	59	127				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083019
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **082995-023AMSD** SampType: **MSD** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/21/2006** RunNo: **60971**
Client ID: **ZZZZZZ** Batch ID: **27214** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/23/2006** SeqNo: **904204**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	17	2.0	16.65	1.639	92.9	64	165	17.25	0.876	30	
Aldrin	20	1.0	16.65	0	119	68	135	19.45	2.11	30	
Dieldrin	20	2.0	16.65	0	121	48	165	19.99	0.461	30	
Endrin	25	2.0	16.65	0	148	60	186	24.32	1.06	30	
gamma-BHC	20	1.0	16.65	0	123	70	134	20.07	1.84	30	
Heptachlor	22	1.0	16.65	0	134	73	152	23.20	4.16	30	
Surr: Tetrachloro-m-xylene	15		16.65		90.1	60	109		0	30	
Surr: Decachlorobiphenyl	13		16.65		75.9	59	127		0	30	

Sample ID: **MB-27214** SampType: **MBLK** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/21/2006** RunNo: **60971**
Client ID: **PBS** Batch ID: **27214** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/25/2006** SeqNo: **905514**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	ND	2.0									
4,4'-DDE	ND	2.0									
4,4'-DDT	ND	2.0									
Aldrin	ND	1.0									
alpha-BHC	ND	1.0									
alpha-Chlordane	ND	1.0									
beta-BHC	ND	1.0									
Chlordane	ND	8.5									
delta-BHC	ND	1.0									
Dieldrin	ND	2.0									
Endosulfan I	ND	1.0									
Endosulfan II	ND	2.0									
Endosulfan sulfate	ND	2.0									
Endrin	ND	2.0									
Endrin aldehyde	ND	2.0									
Endrin ketone	ND	2.0									
gamma-BHC	ND	1.0									
gamma-Chlordane	ND	1.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Work Order: 083019
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **MB-27214** SampType: **MBLK** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/21/2006** RunNo: **60971**
Client ID: **PBS** Batch ID: **27214** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/25/2006** SeqNo: **905514**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Heptachlor	ND	1.0									
Heptachlor epoxide	ND	1.0									
Methoxychlor	ND	8.5									
Toxaphene	ND	85									
Surr: Tetrachloro-m-xylene	15		16.65		91.4	60	109				
Surr: Decachlorobiphenyl	16		16.65		98.8	59	127				

Sample ID: **LCS-27214** SampType: **LCS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/21/2006** RunNo: **60971**
Client ID: **LCSS** Batch ID: **27214** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/25/2006** SeqNo: **905515**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	18	2.0	16.65	0	108	75	128				
Aldrin	18	1.0	16.65	0	110	80	124				
Dieldrin	18	2.0	16.65	0	110	82	121				
Endrin	21	2.0	16.65	0	125	79	141				
gamma-BHC	19	1.0	16.65	0	115	84	122				
Heptachlor	20	1.0	16.65	0	119	74	136				
Surr: Tetrachloro-m-xylene	15		16.65		89.1	60	109				
Surr: Decachlorobiphenyl	15		16.65		91.4	59	127				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Work Order: 083019
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_W

Sample ID: **MB-27222** SampType: **MBLK** TestCode: **8081_W** Units: **µg/L** Prep Date: **3/22/2006** RunNo: **61192**
Client ID: **PBW** Batch ID: **27222** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **3/26/2006** SeqNo: **906006**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	ND	0.050									
4,4'-DDE	ND	0.050									
4,4'-DDT	ND	0.050									
Aldrin	ND	0.025									
alpha-BHC	ND	0.025									
alpha-Chlordane	ND	0.025									
beta-BHC	ND	0.025									
Chlordane	ND	0.25									
delta-BHC	ND	0.025									
Dieldrin	ND	0.050									
Endosulfan I	ND	0.025									
Endosulfan II	ND	0.050									
Endosulfan sulfate	ND	0.050									
Endrin	ND	0.050									
Endrin aldehyde	ND	0.050									
Endrin ketone	ND	0.050									
gamma-BHC	ND	0.025									
gamma-Chlordane	ND	0.025									
Heptachlor	ND	0.025									
Heptachlor epoxide	ND	0.025									
Methoxychlor	ND	0.25									
Toxaphene	ND	2.5									
Surr: Tetrachloro-m-xylene	0.42		0.5000		84.0	43	119				
Surr: Decachlorobiphenyl	0.28		0.5000		57.0	25	123				

Sample ID: **LCS-27222** SampType: **LCS** TestCode: **8081_W** Units: **µg/L** Prep Date: **3/22/2006** RunNo: **61192**
Client ID: **LCSW** Batch ID: **27222** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **3/26/2006** SeqNo: **906007**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	0.53	0.050	0.5000	0	106	72	125				
Aldrin	0.55	0.025	0.5000	0	110	74	120				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Work Order: 083019
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_W

Sample ID: **LCS-27222** SampType: **LCS** TestCode: **8081_W** Units: **µg/L** Prep Date: **3/22/2006** RunNo: **61192**
Client ID: **LCSW** Batch ID: **27222** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **3/26/2006** SeqNo: **906007**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dieldrin	0.55	0.050	0.5000	0	110	76	118				
Endrin	0.59	0.050	0.5000	0	118	83	124				
gamma-BHC	0.57	0.025	0.5000	0	114	79	120				
Heptachlor	0.59	0.025	0.5000	0	118	66	137				
Surr: Tetrachloro-m-xylene	0.43		0.5000		85.2	43	119				
Surr: Decachlorobiphenyl	0.25		0.5000		50.6	25	123				

Sample ID: **MB-27222MS** SampType: **MS** TestCode: **8081_W** Units: **µg/L** Prep Date: **3/22/2006** RunNo: **61192**
Client ID: **ZZZZZZ** Batch ID: **27222** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **3/26/2006** SeqNo: **906008**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	0.53	0.050	0.5000	0	106	72	125				
Aldrin	0.55	0.025	0.5000	0	110	74	120				
Dieldrin	0.56	0.050	0.5000	0	111	76	118				
Endrin	0.61	0.050	0.5000	0	122	83	124				
gamma-BHC	0.58	0.025	0.5000	0	117	79	120				
Heptachlor	0.59	0.025	0.5000	0	117	66	137				
Surr: Tetrachloro-m-xylene	0.41		0.5000		82.5	43	119				
Surr: Decachlorobiphenyl	0.38		0.5000		75.5	25	123				

Sample ID: **MB-27222MSD** SampType: **MSD** TestCode: **8081_W** Units: **µg/L** Prep Date: **3/22/2006** RunNo: **61192**
Client ID: **ZZZZZZ** Batch ID: **27222** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **3/26/2006** SeqNo: **906009**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	0.56	0.050	0.5000	0	112	72	125	0.5319	4.87	30	
Aldrin	0.58	0.025	0.5000	0	117	74	120	0.5502	6.09	30	
Dieldrin	0.58	0.050	0.5000	0	116	76	118	0.5553	4.59	30	
Endrin	0.59	0.050	0.5000	0	117	83	124	0.6107	4.22	30	
gamma-BHC	0.60	0.025	0.5000	0	120	79	120	0.5830	2.84	30	
Heptachlor	0.61	0.025	0.5000	0	122	66	137	0.5853	4.53	30	
Surr: Tetrachloro-m-xylene	0.43		0.5000		85.7	43	119		0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_W

Sample ID: **MB-27222MSD**	SampType: **MSD**	TestCode: **8081_W**	Units: **µg/L**	Prep Date: **3/22/2006**	RunNo: **61192**
Client ID: **ZZZZZZ**	Batch ID: **27222**	TestNo: **EPA 8081A**	**EPA 3510C**	Analysis Date: **3/26/2006**	SeqNo: **906009**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Decachlorobiphenyl	0.41		0.5000		81.0	25	123		0	30	

Qualifiers:
- E Value above quantitation range
- R RPD outside accepted recovery limits
  Calculations are based on raw values
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interferenc
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083019
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID: **082962-001ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: **3/20/2006** RunNo: **60909**
Client ID: **ZZZZZZ** Batch ID: **R60909** TestNo: **EPA 9045C** Analysis Date: **3/20/2006** SeqNo: **901389**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	6.6	0.10						6.830	3.88	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

3-17-06 - FRIDAY

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:
Logged By: Date: 3/17/06

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other:

Sample Condition Upon Receipt: 1. CHILLED Y☑ N☐ 2. HEADSPACE (VOA) Y☐ N☐ 3. CONTAINER INTACT Y☑ N☐ 4. SEALED Y☐ N☑ 5. # OF SPLS MATCH COC Y☑ N☐ 6. PRESERVED Y☐ N☑

Client: Ninyo & Moore
Attn: Scott Snyder
Address: 5710 Ruffin Road
City San Diego State CA Zip Code 92115
TEL: (858) 576-1000
FAX: (858) 576-1600

Project Name: Caltrans I-5
Project #: 105812001
Sampler: (Printed Name) MATT ROE (Signature) Matt Roe

Relinquished by: (Signature and Printed Name) Matt Roe MATT ROE	Date: 3/17/06	Time: 1615	Received by: (Signature and Printed Name)	Date: 3/17/06	Time: 1615
Relinquished by: (Signature and Printed Name)	Date: 3/17/06	Time: 2000	Received by: (Signature and Printed Name)	Date: 3/17/06	Time:
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr (Submitter):
MATT ROE (Print Name) 3-17-06 (Date)
Matt Roe (Signature)

Send Report To:
Attn: Scott Snyder
Co: Ninyo & Moore
Address 5710 Ruffin Rd
City San Diego State CA Zip 92115

Bill To:
Attn: See info
Co:
Address
City State Zip

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested: 8081A (Pesticides), 8082 (PCB), 8260B (Volatiles), 8270C (BNA), 6010B (Total Metal), 8015B (GRO) / 8020 (BTEX), 8015B (DRO), 8021 (BTEX), TITLE 22 / CAM 17 (6010 / 7000), 8141 - Pest, 8151 - Herb, 9045 C - pH, 6010 B - Total Cd

SPECIFY APPROPRIATE MATRIX: SOIL, WATER, GROUND WATER, WASTEWATER

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	083019-001	ISNB-P01-HA107-0.6	3/17/06	9:40	E	1	5	GC	
	-002	ISNB-P01-HA108-1.0	"	9:55					
	-003	ISNB-P01-HA109-1.0	"	10:05					
	-004	ISNB-PAL-HA110-0.6	"	10:30					
	-005	ISNB-PAL-HA111-0.3	"	10:35					
	-006	ISNB-PAL-HA112-0.3	"	11:05					
	-007	ISNB-PAL-HA113-0.3	"	11:20					
	-008	ISNB-PAL-HA114-0.3	"	12:40					
	-009	ISNB-PAL-HA115-0.3	"	13:00					
	-010	ISNB-PAL-HA116-0.3	"	13:20					

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

3-17-06 Friday

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: [signature] Date: 3/18/06

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other:

Sample Condition Upon Receipt:
1. CHILLED Y☑ N☐ 4. SEALED Y☐ N☑
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☑ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☑ N☐

Client: Ninyo & Moore
Attn: Scott Snyder
Address:
City State Zip Code
TEL: (858) 576-1000
FAX: (858) 576-9600

Project Name: Caltrans I-5
Project #: 105812001
Sampler: (Printed Name) MATT ROE (Signature) [signature]

Relinquished by: (Signature and Printed Name)	Date	Time	Received by: (Signature and Printed Name)	Date	Time
[signature] MATT ROE	3/17/06	1515	[signature]	3/17/06	1515
[signature]	3/17/06	2000	[signature]	3/17/06	

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: MATT ROE (Print Name) 3-17-06 (Date)
[signature] (Signature)

Send Report To:
Attn: Scott Snyder
Co: Ninyo & Moore
Address 5710 Ruffin Rd
City SD State CA Zip 92115

Bill To:
Attn: see info
Co:
Address
City State Zip

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	8141 - Pest	8151 - Herb	9045 C - pH	6010 B - Total Lead	SOIL	WATER	GROUND WATER	WASTEWATER			TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	083019-011	ISNB-PAL-HA117-0.6	3/17	13:35												X		X						E	1	J G	C	
	-012	ISNB-CAN-HA118-0.3	3/17	13:50											X	X		X						↓	1	J G	C	
	-013	ISNB-CAN-HA119-0.3	"	13:55	X								X	X		X		X						↓	2	J C	C	
	-014	Equip-HA-031706	"	14:00	X								X	X					X					↓	3	L G		
	-	Equip-HA-031706	"	14:00												X			X					↓	1	P P	N	

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

May 11, 2006

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 083019

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

RE: Caltrans I-5, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on March 17, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: *11-May-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5NB-P01-HA107-0.6
Lab Order:	083019	**Tag Number:**	
Project:	Caltrans I-5, 105812001	**Collection Date:**	3/17/2006 9:40:00 AM
Lab ID:	083019-001A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
LEAD BY ATOMIC ABSORPTION						
			WET DI/ EPA 7420			
RunID: AA2_060508D	QC Batch: R63076			PrepDate:		Analyst: **NS**
Lead	ND	0.25		mg/L	1	5/8/2006

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Date: *11-May-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5NB-PAL-HA113-0.3
Lab Order:	083019	**Tag Number:**	
Project:	Caltrans I-5, 105812001	**Collection Date:**	3/17/2006 11:20:00 AM
Lab ID:	083019-007A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
LEAD BY ATOMIC ABSORPTION						
				WET DI/ EPA 7420		
RunID: AA2_060508D	QC Batch: R63076			PrepDate:		Analyst: **NS**
Lead	0.48	0.25		mg/L	1	5/8/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Date: *11-May-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5NB-PAL-HA114-0.3
Lab Order:	083019	**Tag Number:**	
Project:	Caltrans I-5, 105812001	**Collection Date:**	3/17/2006 12:40:00 PM
Lab ID:	083019-008A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
LEAD BY ATOMIC ABSORPTION						
			WET DI/ EPA 7420			
RunID: AA2_060508D	QC Batch: R63076			PrepDate:		Analyst: **NS**
Lead	ND	0.25		mg/L	1	5/8/2006

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Date: *11-May-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5NB-CAN-HA118-0.3
Lab Order:	083019	**Tag Number:**	
Project:	Caltrans I-5, 105812001	**Collection Date:**	3/17/2006 1:50:00 PM
Lab ID:	083019-012A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
LEAD BY ATOMIC ABSORPTION						
			WET DI/ EPA 7420			
RunID: AA2_060508D	QC Batch: R63076			PrepDate:		Analyst: **NS**
Lead	ND	0.25		mg/L	1	5/8/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *11-May-06*

CLIENT: Ninyo & Moore
Work Order: 083019
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID: **083019-012A-DUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **I5NB-CAN-HA118-0.** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932882**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25						0	0	20	

Sample ID: **083019-012AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **I5NB-CAN-HA118-0.** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932883**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.37	0.25	5.000	0	107	70	130				

Sample ID: **MB-27867B** SampType: **MBLK** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **PBS** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932884**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **MB-27867** SampType: **MBLK** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **PBS** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932892**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **083252-010A-DUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **ZZZZZZ** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932896**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.55	0.25						2.130	17.8	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083019
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID: **083252-010AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **ZZZZZZ** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932897**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.21	0.25	5.000	2.130	102	70	130				

Sample ID: **083252-010AMSD** SampType: **MSD** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **ZZZZZZ** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932898**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.22	0.25	5.000	2.130	102	70	130	7.209	0.138	20	

Sample ID: **MB-27867A** SampType: **MBLK** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **PBS** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932899**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **LCS-27867** SampType: **LCS** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **LCSS** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932900**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.05	0.25	5.000	0	101	80	120				

Qualifiers:
- E Value above quantitation range
- R RPD outside accepted recovery limits
- Calculations are based on raw values
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interferenc
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out

Rachelle Arada

From: Scott Snyder [ssnyder@ninyoandmoore.com]
Sent: Tuesday, May 02, 2006 9:04 AM
To: Rachelle Arada
Subject: FW: additional analyses

Rachelle,

For the samples listed below, I am also looking for a WET analysis using deionized water as the extractant instead of whatever it is you normally use for the WET method. You already ran the standard WET test, but now I need deionized water used. What is the extractant that is normally use for the WET test? Is it citric acid?

Thanks,
Scott

I5NB-ENC-HA51-0.3
I5NB-ENC-HA61-0.6
I5NB-LEU-HA76-0.3
I5NB-LOC-HA93-0.6
I5NB-PO1-HA102-0.6
I5NB-PO1-HA104-0.3
I5NB-P01-HA107-0.6
I5NB-PAL-HA113-0.3
I5NB-PAL-HA114-0.3
I5NB-CAN-HA118-0.3
I5NB-CAN-HA122-1.0
I5NB-CAS-HA142-0.3
I5NB-VIS-HA151-0.3
I5NB-VIS-HA152-0.3

Scott Snyder, PG, HG
Senior Hydrogeologist
Ninyo & Moore
5710 Ruffin Road
San Diego, California 92122
858.576.1000 x1255

April 14, 2006

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 083019

RE: Caltrans I-5, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on March 17, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

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CLIENT: Ninyo & Moore
Project: Caltrans I-5, 105812001
Lab Order: 083019

CASE NARRATIVE

Analytical Comments for EPA 7420

RPD for Sample Duplicate (DUP) is outside criteria for sample 083197-021ADUP; however, the Laboratory Control Sample (LCS) validated the analytical batch.

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Date: 4/14/2006

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Ninyo & Moore	**Lab Order:**	083019
Project:	Caltrans I-5, 105812001	**Date Received**	3/17/2006 8:00:00 PM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
083019-001A	I5NB-P01-HA107-0.6	2.9	mg/L	R61866	0.25	1	3/17/2006	4/10/2006
083019-007A	5NB-PAL-HA113-0.:	16	mg/L	R62169	0.50	2	3/17/2006	4/14/2006
083019-008A	5NB-PAL-HA114-0.:	2.2	mg/L	R61866	0.25	1	3/17/2006	4/10/2006
083019-012A	5NB-CAN-HA118-0.:	25	mg/L	R61866	0.75	3	3/17/2006	4/10/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/14/2006

LEAD BY ATOMIC ABSORPTION
EPA 1311/ 7420

CLIENT:	Ninyo & Moore	**Lab Order:**	083019
Project:	Caltrans I-5, 105812001	**Date Received**	3/17/2006 8:00:00 PM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
083019-007A	5NB-PAL-HA113-0.:	ND	mg/L	27578	1.2	1	3/17/2006	4/14/2006
083019-012A	5NB-CAN-HA118-0.:	ND	mg/L	27554	1.2	1	3/17/2006	4/11/2006

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083019
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **MB-27480A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **PBS** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915726**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **083019-012A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **I5NB-CAN-HA118-0.** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915737**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	26	0.75						25.09	3.99	20	

Sample ID: **083019-012AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **I5NB-CAN-HA118-0.** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915739**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	29	1.0	5.000	25.09	74.9	70	130				

Sample ID: **MB-27480** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **PBS** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915740**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **MB-27480B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **PBS** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915741**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083019
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **LCS-27480** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **LCSS** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915742**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.4	0.25	5.000	0	108	80	120				

Sample ID: **083197-021A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **ZZZZZZ** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915753**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	13	0.50						6.794	64.7	20	R

Sample ID: **083197-021AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **ZZZZZZ** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915754**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12	0.50	5.000	6.794	97.1	70	130				

Sample ID: **083197-021AMSD** SampType: **MSD** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **ZZZZZZ** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915755**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12	0.50	5.000	6.794	97.6	70	130	11.65	0.228	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083019
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **MB-27560** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **62169**
Client ID: **PBS** Batch ID: **R62169** TestNo: **WET/ EPA 74** Analysis Date: **4/14/2006** SeqNo: **919743**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **MB-27560A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **62169**
Client ID: **PBS** Batch ID: **R62169** TestNo: **WET/ EPA 74** Analysis Date: **4/14/2006** SeqNo: **919744**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-27560** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **62169**
Client ID: **LCSS** Batch ID: **R62169** TestNo: **WET/ EPA 74** Analysis Date: **4/14/2006** SeqNo: **919745**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.2	0.25	5.000	0	103	80	120				

Sample ID: **083019-007A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **62169**
Client ID: **I5NB-PAL-HA113-0.3** Batch ID: **R62169** TestNo: **WET/ EPA 74** Analysis Date: **4/14/2006** SeqNo: **919747**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	16	0.50						16.34	0.0889	20	

Sample ID: **083019-007AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **62169**
Client ID: **I5NB-PAL-HA113-0.3** Batch ID: **R62169** TestNo: **WET/ EPA 74** Analysis Date: **4/14/2006** SeqNo: **919748**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	21	1.0	5.000	16.34	102	70	130				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
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CLIENT: Ninyo & Moore
Work Order: 083019
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID: **MB-27554A** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/11/2006** RunNo: **61954**
Client ID: **PBS** Batch ID: **27554** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **4/11/2006** SeqNo: **916939**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **MB-27537A TCLP 1** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/11/2006** RunNo: **61954**
Client ID: **PBS** Batch ID: **27554** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **4/11/2006** SeqNo: **916940**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.2									

Sample ID: **LCS-27554** SampType: **LCS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/11/2006** RunNo: **61954**
Client ID: **LCSS** Batch ID: **27554** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **4/11/2006** SeqNo: **916941**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.90	0.25	1.000	0	90.4	80	120				

Sample ID: **083019-012ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/11/2006** RunNo: **61954**
Client ID: **I5NB-CAN-HA118-0.** Batch ID: **27554** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **4/11/2006** SeqNo: **916943**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.2						0.5988	0	20	

Sample ID: **083019-012AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/11/2006** RunNo: **61954**
Client ID: **I5NB-CAN-HA118-0.** Batch ID: **27554** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **4/11/2006** SeqNo: **916944**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	13	1.2	12.50	0.5988	100	70	130				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083019
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID: **MB-27559A TCLP 1** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/12/2006** RunNo: **62171**
Client ID: **PBS** Batch ID: **27578** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **4/14/2006** SeqNo: **919759**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.2									

Sample ID: **LCS-27578** SampType: **LCS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/12/2006** RunNo: **62171**
Client ID: **LCSS** Batch ID: **27578** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **4/14/2006** SeqNo: **919760**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.99	0.25	1.000	0	98.5	80	120				

Sample ID: **083019-007ADUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/12/2006** RunNo: **62171**
Client ID: **I5NB-PAL-HA113-0.3** Batch ID: **27578** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **4/14/2006** SeqNo: **919762**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.2						0.7626	0	20	

Sample ID: **083019-007AMS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/12/2006** RunNo: **62171**
Client ID: **I5NB-PAL-HA113-0.3** Batch ID: **27578** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **4/14/2006** SeqNo: **919763**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	13	1.2	12.50	0.7626	98.6	70	130				

Sample ID: **MB-27578A** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/12/2006** RunNo: **62171**
Client ID: **PBS** Batch ID: **27578** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **4/14/2006** SeqNo: **919765**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Rachelle Arada

From: Scott Snyder [ssnyder@ninyoandmoore.com]
Sent: Wednesday, April 05, 2006 4:45 PM
To: Rachelle Arada
Subject: additional analyses

Rachelle,

I need some additional analyses on the hand auger samples for Caltrans for leachable lead.

STLC (WET):

I5NB-ENC-HA51-0.3
I5NB-ENC-HA61-0.6
I5NB-LEU-HA76-0.3
I5NB-LOC-HA93-0.6
I5NB-PO1-HA102-0.6
I5NB-PO1-HA104-0.3
I5NB-P01-HA107-0.6
I5NB-PAL-HA113-0.3
I5NB-PAL-HA114-0.3
I5NB-CAN-HA118-0.3
I5NB-CAN-HA122-1.0
I5NB-CAS-HA142-0.3
I5NB-VIS-HA151-0.3
I5NB-VIS-HA152-0.3

TCLP:

I5NB-ENC-HA51-0.3
I5NB-LEU-HA76-0.3
I5NB-LOC-HA93-0.6
I5NB-PO1-HA104-0.3
I5NB-PAL-HA113-0.3
I5NB-CAN-HA118-0.3
I5NB-CAN-HA122-1.0
I5NB-CAS-HA142-0.3
I5NB-VIS-HA152-0.3

If you have any questions about these additional analyses, please do not hesitate to call or email.

Thanks,
Scott

Scott Snyder, PG, HG
Senior Hydrogeologist
Ninyo & Moore
5710 Ruffin Road
San Diego, California 92122
858.576.1000 x1255

April 05, 2006

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 083019

RE: Caltrans I-5, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on March 17, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

for Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: *05-Apr-06*

CLIENT: Ninyo & Moore
Project: Caltrans I-5, 105812001
Lab Order: 083019
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
083019-001A	I5NB-P01-HA107-0.6	Soil	3/17/2006	3/17/2006	4/5/2006
083019-002A	I5NB-P01-HA108-1.0	Soil	3/17/2006	3/17/2006	4/5/2006
083019-003A	I5NB-P01-HA109-1.0	Soil	3/17/2006	3/17/2006	4/5/2006
083019-004A	I5NB-PAL-HA110-0.6	Soil	3/17/2006	3/17/2006	4/5/2006
083019-005A	I5NB-PAL-HA111-0.3	Soil	3/17/2006	3/17/2006	4/5/2006
083019-006A	I5NB-PAL-HA112-0.3	Soil	3/17/2006	3/17/2006	4/5/2006
083019-006B	I5NB-PAL-HA112-0.3	Soil	3/17/2006	3/17/2006	4/5/2006
083019-006C	I5NB-PAL-HA112-0.3	Soil	3/17/2006	3/17/2006	4/5/2006
083019-007A	I5NB-PAL-HA113-0.3	Soil	3/17/2006	3/17/2006	4/5/2006
083019-007B	I5NB-PAL-HA113-0.3	Soil	3/17/2006	3/17/2006	4/5/2006
083019-007C	I5NB-PAL-HA113-0.3	Soil	3/17/2006	3/17/2006	4/5/2006
083019-008A	I5NB-PAL-HA114-0.3	Soil	3/17/2006	3/17/2006	4/5/2006
083019-009A	I5NB-PAL-HA115-0.3	Soil	3/17/2006	3/17/2006	4/5/2006
083019-010A	I5NB-PAL-HA116-0.3	Soil	3/17/2006	3/17/2006	4/5/2006
083019-011A	I5NB-PAL-HA117-0.6	Soil	3/17/2006	3/17/2006	4/5/2006
083019-012A	I5NB-CAN-HA118-0.3	Soil	3/17/2006	3/17/2006	4/5/2006
083019-013A	I5NB-CAN-HA119-0.3	Soil	3/17/2006	3/17/2006	4/5/2006
083019-013B	I5NB-CAN-HA119-0.3	Soil	3/17/2006	3/17/2006	4/5/2006
083019-013C	I5NB-CAN-HA119-0.3	Soil	3/17/2006	3/17/2006	4/5/2006
083019-014A	Equip-HA-031706	Water	3/17/2006	3/17/2006	4/5/2006
083019-014B	Equip-HA-031706	Water	3/17/2006	3/17/2006	4/5/2006
083019-014C	Equip-HA-031706	Water	3/17/2006	3/17/2006	4/5/2006
083019-014D	Equip-HA-031706	Water	3/17/2006	3/17/2006	4/5/2006

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CASE NARRATIVE

The samples for EPA 8141 analysis were subcontracted to D-tek Analytical Laboratories, Inc. with ELAP Cert. 2344.

The samples for EPA 8151 analysis were subcontracted to Sierra Analytical Laboratories, Inc. with ELAP Cert. 2320.

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *05-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5NB-PAL-HA112-0.3
Lab Order:	083019	**Tag Number:**	
Project:	Caltrans I-5, 105812001	**Collection Date:**	3/17/2006 11:05:00 AM
Lab ID:	083019-006A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD						
	EPA 3550B			**EPA 8082**		
RunID: GC5_060328A	QC Batch: 27332				PrepDate: 3/27/2006	Analyst: **EES**
Aroclor 1016	ND	16		µg/Kg	1	3/28/2006
Aroclor 1221	ND	33		µg/Kg	1	3/28/2006
Aroclor 1232	ND	16		µg/Kg	1	3/28/2006
Aroclor 1242	ND	16		µg/Kg	1	3/28/2006
Aroclor 1248	ND	16		µg/Kg	1	3/28/2006
Aroclor 1254	ND	16		µg/Kg	1	3/28/2006
Aroclor 1260	ND	16		µg/Kg	1	3/28/2006
Aroclor 1262	ND	16		µg/Kg	1	3/28/2006
Aroclor 1268	ND	16		µg/Kg	1	3/28/2006
Surr: Decachlorobiphenyl	103	44-132		%REC	1	3/28/2006
Surr: Tetrachloro-m-xylene	105	63-130		%REC	1	3/28/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *05-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5NB-PAL-HA113-0.3
Lab Order:	083019	**Tag Number:**	
Project:	Caltrans I-5, 105812001	**Collection Date:**	3/17/2006 11:20:00 AM
Lab ID:	083019-007A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD						
	EPA 3550B			**EPA 8082**		
RunID: GC5_060328A	QC Batch: 27332			PrepDate:	3/27/2006	Analyst: **EES**
Aroclor 1016	ND	82		µg/Kg	5	3/28/2006
Aroclor 1221	ND	160		µg/Kg	5	3/28/2006
Aroclor 1232	ND	82		µg/Kg	5	3/28/2006
Aroclor 1242	ND	82		µg/Kg	5	3/28/2006
Aroclor 1248	ND	82		µg/Kg	5	3/28/2006
Aroclor 1254	ND	82		µg/Kg	5	3/28/2006
Aroclor 1260	ND	82		µg/Kg	5	3/28/2006
Aroclor 1262	ND	82		µg/Kg	5	3/28/2006
Aroclor 1268	ND	82		µg/Kg	5	3/28/2006
Surr: Decachlorobiphenyl	121	44-132		%REC	5	3/28/2006
Surr: Tetrachloro-m-xylene	119	63-130		%REC	5	3/28/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

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CLIENT: Ninyo & Moore
Work Order: 083019
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_S

Sample ID: **083062-011AMS** SampType: **MS** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **3/21/2006** RunNo: **60967**
Client ID: **ZZZZZZ** Batch ID: **27214** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **3/22/2006** SeqNo: **902469**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	160	16	166.6	0	98.3	70	112				
Aroclor 1260	160	16	166.6	0	96.6	68	118				
Surr: Decachlorobiphenyl	17		16.65		103	44	132				
Surr: Tetrachloro-m-xylene	17		16.65		104	63	130				

Sample ID: **083062-011AMSD** SampType: **MSD** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **3/21/2006** RunNo: **60967**
Client ID: **ZZZZZZ** Batch ID: **27214** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **3/22/2006** SeqNo: **902470**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	180	16	166.6	0	111	70	112	163.7	11.8	30	
Aroclor 1260	170	16	166.6	0	102	68	118	161.0	5.23	30	
Surr: Decachlorobiphenyl	18		16.65		107	44	132		0	0	
Surr: Tetrachloro-m-xylene	19		16.65		114	63	130		0	0	

Sample ID: **MB-27214** SampType: **MBLK** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **3/21/2006** RunNo: **60967**
Client ID: **PBS** Batch ID: **27214** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **3/22/2006** SeqNo: **902471**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	16									
Aroclor 1221	ND	33									
Aroclor 1232	ND	16									
Aroclor 1242	ND	16									
Aroclor 1248	ND	16									
Aroclor 1254	ND	16									
Aroclor 1260	ND	16									
Aroclor 1262	ND	16									
Aroclor 1268	ND	16									
Surr: Decachlorobiphenyl	16		16.65		95.1	44	132				
Surr: Tetrachloro-m-xylene	18		16.65		107	63	130				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 083019
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_S

Sample ID: **LCS-27214**	SampType: **LCS**	TestCode: **8082_S**	Units: **µg/Kg**	Prep Date: **3/21/2006**	RunNo: **60967**
Client ID: **LCSS**	Batch ID: **27214**	TestNo: **EPA 8082**	**EPA 3550B**	Analysis Date: **3/22/2006**	SeqNo: **902643**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	180	16	166.6	0	106	77	106				
Aroclor 1260	160	16	166.6	0	97.6	78	114				
Surr: Decachlorobiphenyl	17		16.65		102	44	132				
Surr: Tetrachloro-m-xylene	18		16.65		108	63	130				

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interferenc	DO	Surrogate Diluted Out
	Calculations are based on raw values				

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 083019
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_S

Sample ID: **MB-27332** SampType: **MBLK** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **3/27/2006** RunNo: **61288**
Client ID: **PBS** Batch ID: **27332** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **3/28/2006** SeqNo: **907451**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	16									
Aroclor 1221	ND	33									
Aroclor 1232	ND	16									
Aroclor 1242	ND	16									
Aroclor 1248	ND	16									
Aroclor 1254	ND	16									
Aroclor 1260	ND	16									
Aroclor 1262	ND	16									
Aroclor 1268	ND	16									
Surr: Decachlorobiphenyl	14		16.65		82.0	44	132				
Surr: Tetrachloro-m-xylene	16		16.65		97.0	63	130				

Sample ID: **LCS-27332** SampType: **LCS** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **3/27/2006** RunNo: **61288**
Client ID: **LCSS** Batch ID: **27332** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **3/28/2006** SeqNo: **907452**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	150	16	166.6	0	90.5	77	106				
Aroclor 1260	140	16	166.6	0	84.3	78	114				
Surr: Decachlorobiphenyl	14		16.65		85.9	44	132				
Surr: Tetrachloro-m-xylene	18		16.65		109	63	130				

Sample ID: **082867-003AMS** SampType: **MS** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **3/27/2006** RunNo: **61288**
Client ID: **ZZZZZZ** Batch ID: **27332** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **3/28/2006** SeqNo: **907453**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	180	16	166.6	0	105	70	112				
Aroclor 1260	160	16	166.6	0	94.2	68	118				
Surr: Decachlorobiphenyl	16		16.65		95.3	44	132				
Surr: Tetrachloro-m-xylene	18		16.65		105	63	130				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 083019
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_S

Sample ID: **082867-003AMSD** SampType: **MSD** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **3/27/2006** RunNo: **61288**
Client ID: **ZZZZZZ** Batch ID: **27332** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **3/28/2006** SeqNo: **907454**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	160	16	166.6	0	96.1	70	112	175.8	9.26	30	
Aroclor 1260	140	16	166.6	0	86.7	68	118	156.9	8.28	30	
Surr: Decachlorobiphenyl	15		16.65		90.3	44	132		0	0	
Surr: Tetrachloro-m-xylene	17		16.65		100	63	130		0	0	

Sample ID: **082867-001DUP** SampType: **DUP** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **3/27/2006** RunNo: **61288**
Client ID: **ZZZZZZ** Batch ID: **27332** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **3/28/2006** SeqNo: **907461**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	16									
Aroclor 1221	ND	33									
Aroclor 1232	ND	16									
Aroclor 1242	ND	16									
Aroclor 1248	ND	16									
Aroclor 1254	ND	16									
Aroclor 1260	ND	16									
Aroclor 1262	ND	16									
Aroclor 1268	ND	16									
Surr: Decachlorobiphenyl	16		16.65		98.0	44	132				
Surr: Tetrachloro-m-xylene	18		16.65		110	63	130				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

D-TEK Analytical Laboratories, Inc.
9020 Kenamar Drive, Suite 205
San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	**4/4/06**
Sampling Date:	**3/13/06**
Date Sample Received:	**3/28/06**
Date Extracted:	**3/28/06**
Date Analyzed:	**April 1, 2006**
Analyzed By:	**EA**
Method:	**EPA 8141A**
Sample Type:	**Soil**
Sample Log Number:	**06-2054 to 06-2055**

The sample(s) were analyzed with EPA methodology or equivalent methods as specified on the attached "Analyses Results" report. The symbol for "less than" indicates a value below the reportable detection limit.

The results of these analyses and the quality control data are enclosed.

Ellen Atienza
Operations Manager

D-TEK Analytical Laboratories, Inc.
9020 Kenamar Drive, Suite 205
San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	4/4/06
Sampling Date:	3/13/06
Date Sample Received:	3/28/06
Date Extracted:	3/28/06
Date Analyzed:	April 1, 2006
Analyzed By:	EA
Sample Type:	Soil
Method:	EPA 8141A
Units:	µg/kg

ANALYSES RESULTS

Analysis	Detection Limit	Log Number:	06-2054	06-2055
		Sample ID:	083019-006B 15NB-PAL-HA112-0.3	083019-007B 15NB-PAL-HA113-0.3
Azinphos Methyl	5.0		<DL	<DL
Bolstar	5.0		<DL	<DL
Coumaphos	5.0		<DL	<DL
Demeton	5.0		<DL	<DL
Diazinon	5.0		<DL	<DL
Dichlorvos	5.0		<DL	<DL
Disulfoton	5.0		<DL	<DL
Dursban (Chlorpyrifos)	5.0		<DL	<DL
Ethoprop	5.0		<DL	<DL
Fensulfothion	10.0		<DL	<DL
Fenthion	5.0		<DL	<DL
Gardona (Stirophos)	5.0		<DL	<DL
Malathion	5.0		<DL	<DL
Merphos	5.0		<DL	<DL
Methyl Parathion	5.0		<DL	<DL
Mevinphos	5.0		<DL	<DL
Naled	5.0		<DL	<DL
Phorate	5.0		<DL	<DL
Ronnel	5.0		<DL	<DL
Tokuthion	5.0		<DL	<DL
Trichloronate	5.0		<DL	<DL

Ellen Atienza
Operations Manager

D-TEK Analytical Laboratories, Inc.
9020 Kenamar Drive, Suite 205
San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

QUALITY CONTROL DATA REPORT

Date:	4/4/06
Attn:	Ms. Rachelle Arada
Date Extracted:	3/28/06
Date Analyzed:	April 1, 2006
Analysis Method:	EPA 8141A
Log #:	06-2054 to 06-2055

Method Blank

No target analytes were detected in the method blank.

Laboratory Control Sample

Compound	% Recovery	QC Limits	DUP % Recovery	%RPD	RPD Limits
Diazinon	104	40-130	108	4	30
Methyl Parathion	103	40-130	109	6	30
Dursban (Chlorpyrifos)	89	40-130	108	19	30
Gardona (Stirophos)	94	40-130	96	2	30

SURROGATE RECOVERIES
(Tributylphosphate)

Log #	Percent Recovery:
Method Blank	115
06-2054	122
06-2055	134
LCS	92
LCS Dup	99

QC limits: 50 to 170%

Ellen Atienza
Operations Manager

QUALITY CONTROL TERMINOLOGY

- **LCS - LABORATORY CONTROL SAMPLE.** Reported as % recovery of an independent standard carried through all sample preparation procedures to verify method performance. Acceptable range is based on historical laboratory control data and EPA requirements. Any out-of-control QC data is clearly indicated.
- **Spike**- environmental sample is matrix spiked with method compounds and % recovery of concentration spiked into sample is calculated. Reported as % recovery. Acceptable range for "Normal Matrix Sample" is based on historical laboratory control data. Any out-of-control QC data is clearly indicated.
- **Surrogates**- Compounds representative of a group of compounds. Surrogates are spiked into environmental samples and % recovery of concentration spiked is calculated and reported. Acceptable range varies depending on sample matrix and analysis method. Any out-of-control QC data is clearly indicated.

0611624

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755-5225
TEL: *5629894045* FAX: *5629894040*

CHAIN-OF-CUSTODY RECORD

QC Level: CT

Subcontractor:

D-Tek
9020 Kenamar Drive, Suite 205
San Diego, CA 92121

TEL: (858) 566-4540
FAX: (858) 566-4542
Acct #:

27-Mar-06

Sample ID		Matrix	Date Collected	Bottle Type	Requested Tests EPA 8141A	
083019-006B	/ I5NB-PAL-HA112-0.3	Soil	3/17/2006 11:05:00 AM	4OZG	1	06 - 2054
083019-007B	/ I5NB-PAL-HA113-0.3	Soil	3/17/2006 11:20:00 AM	4OZG	1	06 - 2055

General Comments: Please use PO#: SC00481 Please fax results by: NORMAL TAT
SEND REPORT TO RACHELLE ARADA

		Date/Time			Date/Time
Relinquished by:	[signature]	3/27/06 1830	Received by:	[signature]	3-27-06 7:00p
Relinquished by:	[signature]	3-28-06 9:15a	Received by:	[signature]	3/27/06 0915

Advanced Technology Labs	Project:	NA	
3275 Walnut Avenue	Project Number:	PO# SC00482	**Reported:**
Signal Hill CA, 90755	Project Manager:	Rachelle Arada	03/30/06 12:19

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
083019-006C / 15NB-PAL-HA112-0.3	0603606-01	Soil	03/17/06 11:05	03/28/06 10:15
083019-007C / 15NB-PAL-HA113-0.3	0603606-02	Soil	03/17/06 11:20	03/28/06 10:15

CASE NARRATIVE

SAMPLE RECEIPT:	Samples were received intact, at 4 °C, and accompanied by chain of custody documentation.
PRESERVATION:	Samples requiring preservation were verified prior to sample preparation and analysis.
HOLDING TIMES:	All holding times were met, unless otherwise noted in the report with data qualifiers.
QA/QC CRITERIA:	All quality objective criteria were met, except as noted in the report with data qualifiers.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653
TELEPHONE: (949) 348-9389 FAX: (949) 348-9115
E-MAIL: SIERRALABS @ SIERRALABS.NET

Advanced Technology Labs	Project: NA	
3275 Walnut Avenue	Project Number: PO# SC00482	**Reported:**
Signal Hill CA, 90755	Project Manager: Rachelle Arada	03/30/06 12:19

Chlorinated Herbicides by EPA Method 8151A

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
083019-006C / 15NB-PAL-HA112-0.3 (0603606-01) Soil	**Sampled: 03/17/06 11:05**		**Received: 03/28/06 10:15**						
2,4,5-T	ND	1.6	µg/kg	1	B6C3023	03/28/06	03/29/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*64.1 %*	*35-150*		*"*	*"*	*"*	*"*	
083019-007C / 15NB-PAL-HA113-0.3 (0603606-02) Soil	**Sampled: 03/17/06 11:20**		**Received: 03/28/06 10:15**						
2,4,5-T	ND	1.6	µg/kg	1	B6C3023	03/28/06	03/29/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*60.6 %*	*35-150*		*"*	*"*	*"*	*"*	

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Advanced Technology Labs	Project:	NA	
3275 Walnut Avenue	Project Number:	PO# SC00482	**Reported:**
Signal Hill CA, 90755	Project Manager:	Rachelle Arada	03/30/06 12:19

Chlorinated Herbicides by EPA Method 8151A - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6C3023 - EPA 3550B Solid Ext										
Blank (B6C3023-BLK1)				Prepared & Analyzed: 03/29/06						
2,4,5-T	ND	1.6	µg/kg							
2,4,5-TP (Silvex)	ND	1.6	"							
2,4-D	ND	1.6	"							
2,4-DB	ND	4.0	"							
3,5-Dichlorobenzoic acid	ND	2.0	"							
4-Nitrophenol	ND	2.0	"							
Acifluorfen	ND	1.6	"							
Bentazon	ND	1.6	"							
Chloramben	ND	1.6	"							
Dalapon	ND	20	"							
DCPA diacid	ND	1.6	"							
Dicamba	ND	1.6	"							
Dichlorprop	ND	1.6	"							
Dinoseb	ND	1.6	"							
Pentachlorophenol	ND	1.6	"							
Picloram	ND	1.6	"							
Surrogate: 2,4-Dichlorophenylacetic Acid	*67.1*		*"*	*100*		*67.1*	*35-150*			
LCS (B6C3023-BS1)				Prepared & Analyzed: 03/29/06						
2,4,5-T	7.29	1.6	µg/kg	10.0		72.9	20-150			
2,4,5-TP (Silvex)	9.06	1.6	"	10.0		90.6	20-150			
Dinoseb	6.77	1.6	"	10.0		67.7	20-150			
LCS (B6C3023-BS2)				Prepared & Analyzed: 03/29/06						
2,4,5-T	7.19	1.6	µg/kg	10.0		71.9	20-150			
2,4,5-TP (Silvex)	8.96	1.6	"	10.0		89.6	20-150			
Dinoseb	6.64	1.6	"	10.0		66.4	20-150			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653
TELEPHONE: (949) 348-9389 FAX: (949) 348-9115
E-MAIL: SIERRALABS @ SIERRALABS.NET

Advanced Technology Labs	Project:	NA	
3275 Walnut Avenue	Project Number:	PO# SC00482	**Reported:**
Signal Hill CA, 90755	Project Manager:	Rachelle Arada	03/30/06 12:19

Chlorinated Herbicides by EPA Method 8151A - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6C3023 - EPA 3550B Solid Ext										
LCS Dup (B6C3023-BSD1)				Prepared & Analyzed: 03/29/06						
2,4,5-T	7.50	1.6	µg/kg	10.0		75.0	20-150	2.84	30	
2,4,5-TP (Silvex)	9.31	1.6	"	10.0		93.1	20-150	2.72	30	
Dinoseb	6.90	1.6	"	10.0		69.0	20-150	1.90	30	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Labs	Project:	NA	
3275 Walnut Avenue	Project Number:	PO# SC00482	**Reported:**
Signal Hill CA, 90755	Project Manager:	Rachelle Arada	03/30/06 12:19

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755-5225
TEL: *5629894045* FAX: *5629894040*

CHAIN-OF-CUSTODY RECORD

QC Level: CT

Subcontractor:

Sierra Laboratories
26052 Merit Circle Suite 105
Laguna Hills, CA 92653

TEL: (949) 348-9389
FAX: (949) 348-9115
Acct #:

27-Mar-06

Sample ID	Matrix	Date Collected	Bottle Type	Requested Tests				
				EPA 8151				
083019-006C / I5NB-PAL-HA112-0.3	Soil	3/17/2006 11:05:00 AM	4OZG	1				
083019-007C / I5NB-PAL-HA113-0.3	Soil	3/17/2006 11:20:00 AM	4OZG	1				

General Comments: Please use PO#: SC00482 Please fax results by: NORMAL TAT

SEND REPORT TO RACHELLE ARADA

		Date/Time			Date/Time
Relinquished by:		3/27/06 1830	Received by:		3-27-06 7:00p
Relinquished by:		3-28-06 10:15A	Received by:	Sverna	3-28-06 10:15

Rachelle Arada

From: Scott Snyder [ssnyder@ninyoandmoore.com]
Sent: Monday, March 27, 2006 4:47 PM
To: Rachelle Arada
Subject: additional analyses

Rachelle,

I would like to request some additional analyses for some samples you already have for our Caltrans project:

USEPA 8082/8141/8151

I5NB-ENC-HA52-1.0
I5NB-ENC-HA57-1.4
I5NB-ENC-HA59-0.3
I5NB-ENC-HA60-1.0
I5NB-ENC-HA64-1.4
I5NB-ENC-HA65-0.3
I5NB-ENC-HA66-1.0
I5NB-LEU-HA73-0.3
I5NB-LEU-HA75-0.3
I5NB-PAL-HA112-0.3
I5NB-PAL-HA113-0.3
I5NB-CAN-HA120-0.3

Please let me know if you have any questions.

Thanks,
Scott

Scott Snyder, PG, HG
Senior Hydrogeologist
Ninyo & Moore
5710 Ruffin Road
San Diego, California 92122
858.576.1000 x1255

Advanced Technology Labs	Project:	NA	
3275 Walnut Avenue	Project Number:	PO# SC00465	**Reported:**
Signal Hill CA, 90755	Project Manager:	Rachelle Arada	04/04/06 11:47

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
083019-013C / 15NB-CAN-HA119-0.3	0603467-01	Soil	03/17/06 13:55	03/21/06 10:00
083019-014D / Equip-HA-031706	0603467-02	Liquid	03/17/06 14:00	03/21/06 10:00

CASE NARRATIVE

SAMPLE RECEIPT:	Samples were received intact, at 4 °C, and accompanied by chain of custody documentation.
PRESERVATION:	Samples requiring preservation were verified prior to sample preparation and analysis.
HOLDING TIMES:	All holding times were met, unless otherwise noted in the report with data qualifiers.
QA/QC CRITERIA:	All quality objective criteria were met, except as noted in the report with data qualifiers.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Labs	Project: NA	
3275 Walnut Avenue	Project Number: PO# SC00465	**Reported:**
Signal Hill CA, 90755	Project Manager: Rachelle Arada	04/04/06 11:47

Chlorinated Herbicides by EPA Method 8151A

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
083019-013C / 15NB-CAN-HA119-0.3 (0603467-01) Soil Sampled: 03/17/06 13:55 Received: 03/21/06 10:00									
2,4,5-T	ND	1.6	µg/kg	1	B6C2415	03/22/06	03/23/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*49.4 %*	*35-150*		*"*	*"*	*"*	*"*	
083019-014D / Equip-HA-031706 (0603467-02) Liquid Sampled: 03/17/06 14:00 Received: 03/21/06 10:00									
2,4,5-T	ND	0.080	µg/L	1	B6C2930	03/24/06	03/28/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	0.080	"	"	"	"	"	"	
2,4-D	ND	0.080	"	"	"	"	"	"	
2,4-DB	ND	0.20	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	0.10	"	"	"	"	"	"	
4-Nitrophenol	ND	0.10	"	"	"	"	"	"	
Acifluorfen	ND	0.080	"	"	"	"	"	"	
Bentazon	ND	0.080	"	"	"	"	"	"	
Chloramben	ND	0.080	"	"	"	"	"	"	
Dalapon	ND	1.0	"	"	"	"	"	"	
DCPA diacid	ND	0.080	"	"	"	"	"	"	
Dicamba	ND	0.080	"	"	"	"	"	"	
Dichlorprop	ND	0.080	"	"	"	"	"	"	
Dinoseb	ND	0.080	"	"	"	"	"	"	
Pentachlorophenol	ND	0.080	"	"	"	"	"	"	
Picloram	ND	0.080	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*65.4 %*	*35-150*		*"*	*"*	*"*	*"*	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Labs	Project:	NA	
3275 Walnut Avenue	Project Number:	PO# SC00465	**Reported:**
Signal Hill CA, 90755	Project Manager:	Rachelle Arada	04/04/06 11:47

Chlorinated Herbicides by EPA Method 8151A - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6C2415 - EPA 3550B Solid Ext										
Blank (B6C2415-BLK1)				Prepared & Analyzed: 03/22/06						
2,4,5-T	ND	1.6	µg/kg							
2,4,5-TP (Silvex)	ND	1.6	"							
2,4-D	ND	1.6	"							
2,4-DB	ND	4.0	"							
3,5-Dichlorobenzoic acid	ND	2.0	"							
4-Nitrophenol	ND	2.0	"							
Acifluorfen	ND	1.6	"							
Bentazon	ND	1.6	"							
Chloramben	ND	1.6	"							
Dalapon	ND	20	"							
DCPA diacid	ND	1.6	"							
Dicamba	ND	1.6	"							
Dichlorprop	ND	1.6	"							
Dinoseb	ND	1.6	"							
Pentachlorophenol	ND	1.6	"							
Picloram	ND	1.6	"							
Surrogate: 2,4-Dichlorophenylacetic Acid	*65.3*		*"*	*100*		*65.3*	*35-150*			
LCS (B6C2415-BS1)				Prepared & Analyzed: 03/22/06						
2,4,5-T	5.68	1.6	µg/kg	10.0		56.8	20-150			
2,4,5-TP (Silvex)	8.31	1.6	"	10.0		83.1	20-150			
Dinoseb	6.60	1.6	"	10.0		66.0	20-150			
LCS (B6C2415-BS2)				Prepared & Analyzed: 03/22/06						
2,4,5-T	5.51	1.6	µg/kg	10.0		55.1	20-150			
2,4,5-TP (Silvex)	8.14	1.6	"	10.0		81.4	20-150			
Dinoseb	6.46	1.6	"	10.0		64.6	20-150			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653
TELEPHONE: (949) 348-9389 FAX: (949) 348-9115
E-MAIL: SIERRALABS @ SIERRALABS.NET

Advanced Technology Labs	Project: NA	
3275 Walnut Avenue	Project Number: PO# SC00465	**Reported:**
Signal Hill CA, 90755	Project Manager: Rachelle Arada	04/04/06 11:47

Chlorinated Herbicides by EPA Method 8151A - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6C2415 - EPA 3550B Solid Ext										
LCS Dup (B6C2415-BSD1)				Prepared & Analyzed: 03/22/06						
2,4,5-T	5.60	1.6	µg/kg	10.0		56.0	20-150	1.42	30	
2,4,5-TP (Silvex)	8.20	1.6	"	10.0		82.0	20-150	1.33	30	
Dinoseb	6.53	1.6	"	10.0		65.3	20-150	1.07	30	
Batch B6C2930 - EPA 3510C Sep Funnel										
Blank (B6C2930-BLK1)				Prepared & Analyzed: 03/28/06						
2,4,5-T	ND	0.080	µg/L							
2,4,5-TP (Silvex)	ND	0.080	"							
2,4-D	ND	0.080	"							
2,4-DB	ND	0.20	"							
3,5-Dichlorobenzoic acid	ND	0.10	"							
4-Nitrophenol	ND	0.10	"							
Acifluorfen	ND	0.080	"							
Bentazon	ND	0.080	"							
Chloramben	ND	0.080	"							
Dalapon	ND	1.0	"							
DCPA diacid	ND	0.080	"							
Dicamba	ND	0.080	"							
Dichlorprop	ND	0.080	"							
Dinoseb	ND	0.080	"							
Pentachlorophenol	ND	0.080	"							
Picloram	ND	0.080	"							
Surrogate: 2,4-Dichlorophenylacetic Acid	*2.87*		*"*	*5.00*		*57.4*	*35-150*			
LCS (B6C2930-BS1)				Prepared & Analyzed: 03/28/06						
2,4,5-T	0.311	0.080	µg/L	0.500		62.2	20-150			
2,4,5-TP (Silvex)	0.445	0.080	"	0.500		89.0	20-150			
Dinoseb	0.340	0.080	"	0.500		68.0	20-150			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Labs	Project: NA	
3275 Walnut Avenue	Project Number: PO# SC00465	**Reported:**
Signal Hill CA, 90755	Project Manager: Rachelle Arada	04/04/06 11:47

Chlorinated Herbicides by EPA Method 8151A - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6C2930 - EPA 3510C Sep Funnel										
LCS (B6C2930-BS2)				Prepared & Analyzed: 03/28/06						
2,4,5-T	0.299	0.080	µg/L	0.500		59.8	20-150			
2,4,5-TP (Silvex)	0.422	0.080	"	0.500		84.4	20-150			
Dinoseb	0.325	0.080	"	0.500		65.0	20-150			
LCS Dup (B6C2930-BSD1)				Prepared & Analyzed: 03/28/06						
2,4,5-T	0.302	0.080	µg/L	0.500		60.4	20-150	2.94	30	
2,4,5-TP (Silvex)	0.433	0.080	"	0.500		86.6	20-150	2.73	30	
Dinoseb	0.329	0.080	"	0.500		65.8	20-150	3.29	30	

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Advanced Technology Labs	Project:	NA	
3275 Walnut Avenue	Project Number:	PO# SC00465	**Reported:**
Signal Hill CA, 90755	Project Manager:	Rachelle Arada	04/04/06 11:47

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

D-TEK Analytical Laboratories, Inc.
9020 Kenamar Drive, Suite 205
San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	3/29/06
Sampling Date:	3/17/06
Date Sample Received:	3/21/06
Date Extracted:	3/24/06
Date Analyzed:	March 27, 2006
Analyzed By:	EA
Method:	EPA 8141A
Sample Type:	Soil and Water
Sample Log Number:	06-1943 and 06-1944

The sample(s) were analyzed with EPA methodology or equivalent methods as specified on the attached "Analyses Results" report. The symbol for "less than" indicates a value below the reportable detection limit.

The results of these analyses and the quality control data are enclosed.

Ellen Atienza
Operations Manager

D-TEK Analytical Laboratories, Inc.
9020 Kenamar Drive, Suite 205
San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	3/29/06
Sampling Date:	3/17/06
Date Sample Received:	3/21/06
Date Extracted:	3/24/06
Date Analyzed:	March 27, 2006
Analyzed By:	EA
Sample Type:	Soil
Method:	EPA 8141A
Unit:	µg/kg

ANALYSES RESULTS

Analysis	Detection Limit	Log Number:	06-1943
		Sample ID:	083019-013B 15NB-CAN-HA119-0.3
Azinphos Methyl	5.0		<DL
Bolstar	5.0		<DL
Coumaphos	5.0		<DL
Demeton	5.0		<DL
Diazinon	5.0		<DL
Dichlorvos	5.0		<DL
Disulfoton	5.0		<DL
Dursban (Chlorpyrifos)	5.0		<DL
Ethoprop	5.0		<DL
Fensulfothion	10.0		<DL
Fenthion	5.0		<DL
Gardona (Stirophos)	5.0		<DL
Malathion	5.0		<DL
Merphos	5.0		<DL
Methyl Parathion	5.0		<DL
Mevinphos	5.0		<DL
Naled	5.0		<DL
Phorate	5.0		<DL
Ronnel	5.0		<DL
Tokuthion	5.0		<DL
Trichloronate	5.0		<DL

Ellen Atienza
Operations Manager

D-TEK Analytical Laboratories, Inc.
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San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

QUALITY CONTROL DATA REPORT

Date:	3/29/06
Attn:	Ms. Rachelle Arada
Date Extracted:	3/24/06
Date Analyzed:	March 27, 2006
Analysis Method:	EPA 8141A
Log #:	06-1943

Method Blank

No target analytes were detected in the method blank.

Laboratory Control Sample

Compound	% Recovery	QC Limits	DUP % Recovery	%RPD	RPD Limits
Diazinon	68	40-130	87	25	30
Methyl Parathion	87	40-130	108	22	30
Dursban (Chlorpyrifos)	80	40-130	84	5	30
Gardona (Stirophos)	92	40-130	116	18	30

SURROGATE RECOVERIES
(Tributylphosphate)

Log #	Percent Recovery:
Method Blank	64
06-1943	75
LCS	92
LCS Dup	88

QC limits: 50 to 170%

Ellen Atienza
Operations Manager

QUALITY CONTROL TERMINOLOGY

- LCS - **LABORATORY CONTROL SAMPLE.** Reported as % recovery of an independent standard carried through all sample preparation procedures to verify method performance. Acceptable range is based on historical laboratory control data and EPA requirements. Any out-of-control QC data is clearly indicated.
- Spike- environmental sample is matrix spiked with method compounds and % recovery of concentration spiked into sample is calculated. Reported as % recovery. Acceptable range for "Normal Matrix Sample" is based on historical laboratory control data. Any out-of-control QC data is clearly indicated.
- Surrogates- Compounds representative of a group of compounds. Surrogates are spiked into environmental samples and % recovery of concentration spiked is calculated and reported. Acceptable range varies depending on sample matrix and analysis method. Any out-of-control QC data is clearly indicated.

D-TEK Analytical Laboratories, Inc.
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ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	**3/29/06**
Sampling Date:	**3/17/06**
Date Sample Received:	**3/21/06**
Date Extracted:	**3/24/06**
Date Analyzed:	**March 27, 2006**
Analyzed By:	**EA**
Sample Type:	**Water**
Method:	**EPA 8141A**
Unit:	**µg/l**

ANALYSES RESULTS

Analysis	**Detection Limit**	**Log Number:**	**06-1944**
		Sample ID:	**083019-014C Equip-HA031706**
Azinphos Methyl	1.5		<DL
Bolstar	0.15		<DL
Coumaphos	1.5		<DL
Demeton	0.25		<DL
Diazinon	0.1		<DL
Dichlorvos	0.1		<DL
Disulfoton	0.2		<DL
Dursban (Chlorpyrifos)	0.1		<DL
Ethoprop	0.25		<DL
Fensulfothion	2.5		<DL
Fenthion	0.1		<DL
Gardona (Stirophos)	0.5		<DL
Malathion	0.1		<DL
Merphos	0.25		<DL
Methyl Parathion	0.1		<DL
Mevinphos	0.3		<DL
Naled	0.1		<DL
Phorate	0.15		<DL
Ronnel	0.3		<DL
Tokuthion	0.5		<DL
Trichloronate	0.15		<DL

Ellen Atienza
Operations Manager

D-TEK Analytical Laboratories, Inc.

9020 Kenamar Drive, Suite 205
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(858) 566-4540 FAX (858) 566-4542

QUALITY CONTROL DATA REPORT

Date:	3/29/06
Attn:	Ms. Rachelle Arada
Date Extracted:	3/24/06
Date Analyzed:	March 27, 2006
Analysis Method:	EPA 8141A
Log #:	06-1944

Method Blank

No target analytes were detected in the method blank.

Laboratory Control Sample

Compound	% Recovery	QC Limits	DUP % Recovery	%RPD	RPD Limits
Diazinon	98	40-130	105	7	30
Methyl Parathion	104	40-130	110	6	30
Durshan (Chlorpyrifos)	94	40-130	103	9	30
Gardona (Stirophos)	103	40-130	104	1	30

SURROGATE RECOVERIES
(Tributylphosphate)

Log #	Percent Recovery:
Method Blank	111
06-1944	107
LCS	67
LCS Dup	82

QC limits: 50 to 170%

Ellen Atienza
Operations Manager

QUALITY CONTROL TERMINOLOGY

- LCS - **LABORATORY CONTROL SAMPLE**. Reported as % recovery of an independent standard carried through all sample preparation procedures to verify method performance. Acceptable range is based on historical laboratory control data and EPA requirements. Any out-of-control QC data is clearly indicated.
- Spike- environmental sample is matrix spiked with method compounds and % recovery of concentration spiked into sample is calculated. Reported as % recovery. Acceptable range for "Normal Matrix Sample" is based on historical laboratory control data. Any out-of-control QC data is clearly indicated.
- Surrogates- Compounds representative of a group of compounds. Surrogates are spiked into environmental samples and % recovery of concentration spiked is calculated and reported. Acceptable range varies depending on sample matrix and analysis method. Any out-of-control QC data is clearly indicated.

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755-5225
TEL: *5629894045* FAX: *5629894040*

CHAIN-OF-CUSTODY RECORD

QC Level: CT

Subcontractor:
D-Tek
9020 Kenamar Drive, Suite 205
San Diego, CA 92121

TEL: (858) 566-4540
FAX: (858) 566-4542
Acct #:

18-Mar-06

Sample ID	Matrix	Date Collected	Bottle Type	Requested Tests EPA 8141A	
083019-013B / I5NB-CAN-HA119-0.3	Soil	3/17/2006 1:55:00 PM	4OZG	1	06 - 1943
083019-014C / Equip-HA-031706	Water	3/17/2006 2:00:00 PM	32OZA	1	06 - 1944

General Comments: Please use PO#: SC00464 Please fax results by: NORMAL TAT
SEND REPORT TO RACHELLE ARADA

	Date/Time		Date/Time
Relinquished by: [signature]	3/18/06 0930	Received by: CA OVERNIGHT	
Relinquished by: CA OVERNIGHT		Received by: [signature]	3/21/06 0800

D-TEK Analytical Laboratories, Inc.
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ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	**3/31/06**
Sampling Date:	**3/20/06**
Date Sample Received:	**3/22/06**
Date Extracted:	**3/24/06**
Date Analyzed:	**March 27, 2006**
Analyzed By:	**EA**
Method:	**EPA 8141A**
Sample Type:	**Soil and Water**
Sample Log Number:	**06-1975 and 06-1976**

The sample(s) were analyzed with EPA methodology or equivalent methods as specified on the attached "Analyses Results" report. The symbol for "less than" indicates a value below the reportable detection limit.

The results of these analyses and the quality control data are enclosed.

Ellen Atienza
Operations Manager

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San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	**3/31/06**
Sampling Date:	**3/20/06**
Date Sample Received:	**3/22/06**
Date Extracted:	**3/24/06**
Date Analyzed:	**March 27, 2006**
Analyzed By:	**EA**
Sample Type:	**Soil**
Method:	**EPA 8141A**
Unit:	**µg/kg**

ANALYSES RESULTS

Analysis	**Detection Limit**	**Log Number:**	**06-1975**
		Sample ID:	**083092-002C**
			15NB-CAN-HA121-0.3
Azinphos Methyl	5.0		<DL
Bolstar	5.0		<DL
Coumaphos	5.0		<DL
Demeton	5.0		<DL
Diazinon	5.0		<DL
Dichlorvos	5.0		<DL
Disulfoton	5.0		<DL
Dursban (Chlorpyrifos)	5.0		<DL
Ethoprop	5.0		<DL
Fensulfothion	10.0		<DL
Fenthion	5.0		<DL
Gardona (Stirophos)	5.0		<DL
Malathion	5.0		<DL
Merphos	5.0		<DL
Methyl Parathion	5.0		<DL
Mevinphos	5.0		<DL
Naled	5.0		<DL
Phorate	5.0		<DL
Ronnel	5.0		<DL
Tokuthion	5.0		<DL
Trichloronate	5.0		<DL

Ellen Atienza
Operations Manager

D-TEK Analytical Laboratories, Inc.
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San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

QUALITY CONTROL DATA REPORT

Date:	**3/31/06**
Attn:	**Ms. Rachelle Arada**
Date Extracted:	**3/24/06**
Date Analyzed:	**March 27, 2006**
Analysis Method:	**EPA 8141A**
Log #:	**06-1975**

Method Blank

No target analytes were detected in the method blank.

Laboratory Control Sample

Compound	% Recovery	QC Limits	DUP % Recovery	%RPD	RPD Limits
Diazinon	68	40-130	87	25	30
Methyl Parathion	87	40-130	108	22	30
Dursban (Chlorpyrifos)	80	40-130	84	5	30
Gardona (Stirophos)	92	40-130	116	18	30

SURROGATE RECOVERIES
(Tributylphosphate)

Log #	Percent Recovery:
Method Blank	64
06-1975	66
LCS	92
LCS Dup	88

QC limits: 50 to 170%

Ellen Atienza
Operations Manager

QUALITY CONTROL TERMINOLOGY

- **LCS - LABORATORY CONTROL SAMPLE.** Reported as % recovery of an independent standard carried through all sample preparation procedures to verify method performance. Acceptable range is based on historical laboratory control data and EPA requirements. Any out-of-control QC data is clearly indicated.
- **Spike-** environmental sample is matrix spiked with method compounds and % recovery of concentration spiked into sample is calculated. Reported as % recovery. Acceptable range for "Normal Matrix Sample" is based on historical laboratory control data. Any out-of-control QC data is clearly indicated.
- **Surrogates-** Compounds representative of a group of compounds. Surrogates are spiked into environmental samples and % recovery of concentration spiked is calculated and reported. Acceptable range varies depending on sample matrix and analysis method. Any out-of-control QC data is clearly indicated.

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ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	**3/31/06**
Sampling Date:	**3/20/06**
Date Sample Received:	**3/22/06**
Date Extracted:	**3/24/06**
Date Analyzed:	**March 27, 2006**
Analyzed By:	**EA**
Sample Type:	**Water**
Method:	**EPA 8141A**
Unit:	**µg/l**

ANALYSES RESULTS

Analysis	**Detection Limit**	**Log Number:**	**06-1976**
		Sample ID:	**083092-016D Equip-HA-032006**
Azinphos Methyl	1.5		<DL
Bolstar	0.15		<DL
Coumaphos	1.5		<DL
Demeton	0.25		<DL
Diazinon	0.1		<DL
Dichlorvos	0.1		<DL
Disulfoton	0.2		<DL
Dursban (Chlorpyrifos)	0.1		<DL
Ethoprop	0.25		<DL
Fensulfothion	2.5		<DL
Fenthion	0.1		<DL
Gardona (Stirophos)	0.5		<DL
Malathion	0.1		<DL
Merphos	0.25		<DL
Methyl Parathion	0.1		<DL
Mevinphos	0.3		<DL
Naled	0.1		<DL
Phorate	0.15		<DL
Ronnel	0.3		<DL
Tokuthion	0.5		<DL
Trichloronate	0.15		<DL

Ellen Atienza
Operations Manager

D-TEK Analytical Laboratories, Inc.
9020 Kenamar Drive, Suite 205
San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

QUALITY CONTROL DATA REPORT

Date:	3/31/06
Attn:	Ms. Rachelle Arada
Date Extracted:	3/24/06
Date Analyzed:	March 27, 2006
Analysis Method:	EPA 8141A
Log #:	06-1976

Method Blank

No target analytes were detected in the method blank.

Laboratory Control Sample

Compound	% Recovery	QC Limits	DUP % Recovery	%RPD	RPD Limits
Diazinon	98	40-130	105	7	30
Methyl Parathion	104	40-130	110	6	30
Dursban (Chlorpyrifos)	94	40-130	103	9	30
Gardona (Stirophos)	103	40-130	104	1	30

SURROGATE RECOVERIES
(Tributylphosphate)

Log #	Percent Recovery:
Method Blank	111
06-1976	145
LCS	67
LCS Dup	82

QC limits: 50 to 170%

Ellen Atienza
Operations Manager

QUALITY CONTROL TERMINOLOGY

- **LCS - LABORATORY CONTROL SAMPLE.** Reported as % recovery of an independent standard carried through all sample preparation procedures to verify method performance. Acceptable range is based on historical laboratory control data and EPA requirements. Any out-of-control QC data is clearly indicated.
- **Spike**- environmental sample is matrix spiked with method compounds and % recovery of concentration spiked into sample is calculated. Reported as % recovery. Acceptable range for "Normal Matrix Sample" is based on historical laboratory control data. Any out-of-control QC data is clearly indicated.
- **Surrogates**- Compounds representative of a group of compounds. Surrogates are spiked into environmental samples and % recovery of concentration spiked is calculated and reported. Acceptable range varies depending on sample matrix and analysis method. Any out-of-control QC data is clearly indicated.

0611593

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755-5225
TEL: *5629894045* FAX: *5629894040*

CHAIN-OF-CUSTODY RECORD

QC Level:

Subcontractor:

D-Tek
9020 Kenamar Drive, Suite 205
San Diego, CA 92121

TEL: (858) 566-4540
FAX: (858) 566-4542
Acct #:

22-Mar-06

	Sample ID	Matrix	Date Collected	Bottle Type	EPA 8141A	Requested Tests
083092-002C	/ I5 NB-CAN-HA121-0.3	Soil	3/20/2006 9:41:00 AM	4OZG	1	06-1975
083092-016D	/ EQUIP-HA-032006	Water	3/20/2006 2:35:00 PM	32OZA	1	06-1976

General Comments: Please use PO#: SC00469 Please fax results: Normal TAT

Send report to Rachelle Arada.

		Date/Time			Date/Time
Relinquished by:		3/22/06 9:00	Received by:		3-22-06 10:30
Relinquished by:		3-22-06 1330	Received by:		3/22/06 1330

March 29, 2006

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 083092

RE: CALTRANS I-5, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on March 21, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: *29-Mar-06*

CLIENT: Ninyo & Moore
Project: CALTRANS I-5, 105812001
Lab Order: 083092
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
083092-001A	I5NB-CAN-HA120-0.3	Soil	3/20/2006	3/21/2006	3/29/2006
083092-001B	I5NB-CAN-HA120-0.3	Soil	3/20/2006	3/21/2006	3/29/2006
083092-001C	I5NB-CAN-HA120-0.3	Soil	3/20/2006	3/21/2006	3/29/2006
083092-002A	I5NB-CAN-HA121-0.3	Soil	3/20/2006	3/21/2006	3/29/2006
083092-002B	I5NB-CAN-HA121-0.3	Soil	3/20/2006	3/21/2006	3/29/2006
083092-002C	I5NB-CAN-HA121-0.3	Soil	3/20/2006	3/21/2006	3/29/2006
083092-003A	I5NB-CAN-HA122-1.0	Soil	3/20/2006	3/21/2006	3/29/2006
083092-004A	I5NB-CAN-HA123-1.0	Soil	3/20/2006	3/21/2006	3/29/2006
083092-005A	I5NB-CAN-HA124-1.0	Soil	3/20/2006	3/21/2006	3/29/2006
083092-006A	I5NB-CAN-HA125-0.6	Soil	3/20/2006	3/21/2006	3/29/2006
083092-007A	I5NB-TAM-HA126-1.0	Soil	3/20/2006	3/21/2006	3/29/2006
083092-008A	I5NB-TAM-HA127-0.3	Soil	3/20/2006	3/21/2006	3/29/2006
083092-009A	I5NB-TAM-HA128-0.6	Soil	3/20/2006	3/21/2006	3/29/2006
083092-010A	I5NB-TAM-HA129-0.6	Soil	3/20/2006	3/21/2006	3/29/2006
083092-011A	I5NB-TAM-HA130-1.0	Soil	3/20/2006	3/21/2006	3/29/2006
083092-012A	I5NB-TAM-HA131-1.0	Soil	3/20/2006	3/21/2006	3/29/2006
083092-013A	I5NB-TAM-HA132-0.3	Soil	3/20/2006	3/21/2006	3/29/2006
083092-014A	I5NB-CVD-HA133-0.6	Soil	3/20/2006	3/21/2006	3/29/2006
083092-015A	I5NB-CVD-HA134-0.3	Soil	3/20/2006	3/21/2006	3/29/2006
083092-016A	EQUIP-HA-032006	Water	3/20/2006	3/21/2006	3/29/2006
083092-016B	EQUIP-HA-032006	Water	3/20/2006	3/21/2006	3/29/2006
083092-016C	EQUIP-HA-032006	Water	3/20/2006	3/21/2006	3/29/2006
083092-016D	EQUIP-HA-032006	Water	3/20/2006	3/21/2006	3/29/2006

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CASE NARRATIVE

The samples for EPA 8141 analysis were subcontracted to D-tek Analytical Laboratories, Inc. with ELAP Cert. 2344.

The samples for EPA 8151 analysis were subcontracted to Sierra Analytical Laboratories, Inc. with ELAP Cert. 2320.

Analytical Comments for EPA 6010B

RPD for Sample Duplicate (DUP) is outside criteria for sample 083092-012ADUP; however, the Laboratory Control Sample (LCS) validated the analytical batch.

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Date: 3/29/2006

LEAD BY ICP
EPA 6010B

CLIENT:	Ninyo & Moore	**Lab Order:**	083092
Project:	CALTRANS I-5, 105812001	**Date Received**	3/21/2006 8:20:00 PM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
083092-001A	5NB-CAN-HA120-0.:	6.2	mg/Kg	27272	1.0	1	3/20/2006	3/27/2006
083092-002A	5NB-CAN-HA121-0.:	6.4	mg/Kg	27272	1.0	1	3/20/2006	3/27/2006
083092-003A	5NB-CAN-HA122-1.(	240	mg/Kg	27272	1.0	1	3/20/2006	3/27/2006
083092-004A	5NB-CAN-HA123-1.(	1.4	mg/Kg	27272	1.0	1	3/20/2006	3/27/2006
083092-005A	5NB-CAN-HA124-1.(	ND	mg/Kg	27272	1.0	1	3/20/2006	3/27/2006
083092-006A	5NB-CAN-HA125-0.(	3.9	mg/Kg	27272	1.0	1	3/20/2006	3/27/2006
083092-007A	5NB-TAM-HA126-1.(	ND	mg/Kg	27272	1.0	1	3/20/2006	3/27/2006
083092-008A	5NB-TAM-HA127-0.:	1.1	mg/Kg	27272	1.0	1	3/20/2006	3/27/2006
083092-009A	5NB-TAM-HA128-0.(	23	mg/Kg	27272	1.0	1	3/20/2006	3/27/2006
083092-010A	5NB-TAM-HA129-0.(	9.3	mg/Kg	27272	1.0	1	3/20/2006	3/27/2006
083092-011A	5NB-TAM-HA130-1.(	2.4	mg/Kg	27272	1.0	1	3/20/2006	3/27/2006
083092-012A	5NB-TAM-HA131-1.(	ND	mg/Kg	27272	1.0	1	3/20/2006	3/27/2006
083092-013A	5NB-TAM-HA132-0.:	1.8	mg/Kg	27272	1.0	1	3/20/2006	3/27/2006
083092-014A	5NB-CVD-HA133-0.(	7.9	mg/Kg	27273	1.0	1	3/20/2006	3/27/2006
083092-015A	5NB-CVD-HA134-0.:	24	mg/Kg	27273	1.0	1	3/20/2006	3/27/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/29/2006

LEAD BY ICP
EPA 6010B

CLIENT:	Ninyo & Moore	**Lab Order:**	083092
Project:	CALTRANS I-5, 105812001	**Date Received**	3/21/2006 8:20:00 PM
Project No:		**Matrix:**	Water
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
083092-016A	EQUIP-HA-032006	ND	mg/L	27239	0.25	1	3/20/2006	3/24/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *29-Mar-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5NB-CAN-HA121-0.3
Lab Order:	083092	**Tag Number:**	
Project:	CALTRANS I-5, 105812001	**Collection Date:**	3/20/2006 9:41:00 AM
Lab ID:	083092-002A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
	EPA 3550B			**EPA 8081A**		
RunID: GC10_060325A	QC Batch: 27285			PrepDate:	3/24/2006	Analyst: **EES**
4,4'-DDD	16	2.0		µg/Kg	1	3/25/2006 7:53:00 PM
4,4'-DDE	650	40		µg/Kg	20	3/26/2006 2:15:00 PM
4,4'-DDT	320	40		µg/Kg	20	3/26/2006 2:15:00 PM
Aldrin	ND	1.0		µg/Kg	1	3/25/2006 7:53:00 PM
alpha-BHC	ND	1.0		µg/Kg	1	3/25/2006 7:53:00 PM
alpha-Chlordane	ND	1.0		µg/Kg	1	3/25/2006 7:53:00 PM
beta-BHC	ND	1.0		µg/Kg	1	3/25/2006 7:53:00 PM
Chlordane	ND	8.5		µg/Kg	1	3/25/2006 7:53:00 PM
delta-BHC	ND	1.0		µg/Kg	1	3/25/2006 7:53:00 PM
Dieldrin	38	2.0		µg/Kg	1	3/25/2006 7:53:00 PM
Endosulfan I	ND	1.0		µg/Kg	1	3/25/2006 7:53:00 PM
Endosulfan II	ND	2.0		µg/Kg	1	3/25/2006 7:53:00 PM
Endosulfan sulfate	ND	2.0		µg/Kg	1	3/25/2006 7:53:00 PM
Endrin	ND	2.0		µg/Kg	1	3/25/2006 7:53:00 PM
Endrin aldehyde	ND	2.0		µg/Kg	1	3/25/2006 7:53:00 PM
Endrin ketone	ND	2.0		µg/Kg	1	3/25/2006 7:53:00 PM
gamma-BHC	ND	1.0		µg/Kg	1	3/25/2006 7:53:00 PM
gamma-Chlordane	ND	1.0		µg/Kg	1	3/25/2006 7:53:00 PM
Heptachlor	ND	1.0		µg/Kg	1	3/25/2006 7:53:00 PM
Heptachlor epoxide	ND	1.0		µg/Kg	1	3/25/2006 7:53:00 PM
Methoxychlor	ND	8.5		µg/Kg	1	3/25/2006 7:53:00 PM
Toxaphene	570	85		µg/Kg	1	3/25/2006 7:53:00 PM
Surr: Decachlorobiphenyl	88.0	59-127		%REC	1	3/25/2006 7:53:00 PM
Surr: Tetrachloro-m-xylene	78.4	60-109		%REC	1	3/25/2006 7:53:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *29-Mar-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	EQUIP-HA-032006
Lab Order:	083092	**Tag Number:**	
Project:	CALTRANS I-5, 105812001	**Collection Date:**	3/20/2006 2:35:00 PM
Lab ID:	083092-016B	**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3510C				**EPA 8081A**		
RunID: GC10_060326A	QC Batch: 27222			PrepDate:	3/22/2006	Analyst: **EES**
4,4'-DDD	ND	0.050		µg/L	1	3/26/2006 4:28:00 PM
4,4'-DDE	ND	0.050		µg/L	1	3/26/2006 4:28:00 PM
4,4'-DDT	ND	0.050		µg/L	1	3/26/2006 4:28:00 PM
Aldrin	ND	0.025		µg/L	1	3/26/2006 4:28:00 PM
alpha-BHC	ND	0.025		µg/L	1	3/26/2006 4:28:00 PM
alpha-Chlordane	ND	0.025		µg/L	1	3/26/2006 4:28:00 PM
beta-BHC	ND	0.025		µg/L	1	3/26/2006 4:28:00 PM
Chlordane	ND	0.25		µg/L	1	3/26/2006 4:28:00 PM
delta-BHC	ND	0.025		µg/L	1	3/26/2006 4:28:00 PM
Dieldrin	ND	0.050		µg/L	1	3/26/2006 4:28:00 PM
Endosulfan I	ND	0.025		µg/L	1	3/26/2006 4:28:00 PM
Endosulfan II	ND	0.050		µg/L	1	3/26/2006 4:28:00 PM
Endosulfan sulfate	ND	0.050		µg/L	1	3/26/2006 4:28:00 PM
Endrin	ND	0.050		µg/L	1	3/26/2006 4:28:00 PM
Endrin aldehyde	ND	0.050		µg/L	1	3/26/2006 4:28:00 PM
Endrin ketone	ND	0.050		µg/L	1	3/26/2006 4:28:00 PM
gamma-BHC	ND	0.025		µg/L	1	3/26/2006 4:28:00 PM
gamma-Chlordane	ND	0.025		µg/L	1	3/26/2006 4:28:00 PM
Heptachlor	ND	0.025		µg/L	1	3/26/2006 4:28:00 PM
Heptachlor epoxide	ND	0.025		µg/L	1	3/26/2006 4:28:00 PM
Methoxychlor	ND	0.25		µg/L	1	3/26/2006 4:28:00 PM
Toxaphene	ND	2.5		µg/L	1	3/26/2006 4:28:00 PM
Surr: Decachlorobiphenyl	79.3	25-123		%REC	1	3/26/2006 4:28:00 PM
Surr: Tetrachloro-m-xylene	78.4	43-119		%REC	1	3/26/2006 4:28:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083092
Project: CALTRANS I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **MB-27272A** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/24/2006** RunNo: **61195**
Client ID: **PBS** Batch ID: **27272** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/27/2006** SeqNo: **906047**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID: **LCS-27272** SampType: **LCS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/24/2006** RunNo: **61195**
Client ID: **LCSS** Batch ID: **27272** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/27/2006** SeqNo: **906048**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	240	1.0	250.0	0	94.2	80	120				

Sample ID: **083092-003ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/24/2006** RunNo: **61195**
Client ID: **I5NB-CAN-HA122-1.** Batch ID: **27272** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/27/2006** SeqNo: **906052**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	250	1.0						242.9	1.58	20	

Sample ID: **083092-003AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/24/2006** RunNo: **61195**
Client ID: **I5NB-CAN-HA122-1.** Batch ID: **27272** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/27/2006** SeqNo: **906053**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	440	1.0	250.0	242.9	79.5	31	122				

Sample ID: **MB-27272B** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/24/2006** RunNo: **61195**
Client ID: **PBS** Batch ID: **27272** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/27/2006** SeqNo: **906054**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Qualifiers:
- E Value above quantitation range
- R RPD outside accepted recovery limits
- Calculations are based on raw values
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interferenc
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083092
Project: CALTRANS I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **083092-012ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/24/2006** RunNo: **61195**
Client ID: **I5NB-TAM-HA131-1.** Batch ID: **27272** TestNo: **EPA 6010B EPA 3050M** Analysis Date: **3/27/2006** SeqNo: **906064**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.2	1.0						0.4865	158	20	R

Sample ID: **083092-012AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/24/2006** RunNo: **61195**
Client ID: **I5NB-TAM-HA131-1.** Batch ID: **27272** TestNo: **EPA 6010B EPA 3050M** Analysis Date: **3/27/2006** SeqNo: **906065**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	200	1.0	250.0	0.4865	79.6	31	122				

Sample ID: **083092-012AMSD** SampType: **MSD** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/24/2006** RunNo: **61195**
Client ID: **I5NB-TAM-HA131-1.** Batch ID: **27272** TestNo: **EPA 6010B EPA 3050M** Analysis Date: **3/27/2006** SeqNo: **906066**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	210	1.0	250.0	0.4865	84.5	31	122	199.4	6.03	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083092
Project: CALTRANS I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **MB-27273A** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/24/2006** RunNo: **61199**
Client ID: **PBS** Batch ID: **27273** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/27/2006** SeqNo: **906111**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID: **LCS-27273** SampType: **LCS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/24/2006** RunNo: **61199**
Client ID: **LCSS** Batch ID: **27273** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/27/2006** SeqNo: **906112**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	230	1.0	250.0	0	93.3	80	120				

Sample ID: **083126-008ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/24/2006** RunNo: **61199**
Client ID: **ZZZZZZ** Batch ID: **27273** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/27/2006** SeqNo: **906172**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	130	1.0						125.6	5.94	20	

Sample ID: **083126-008AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/24/2006** RunNo: **61199**
Client ID: **ZZZZZZ** Batch ID: **27273** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/27/2006** SeqNo: **906173**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	290	1.0	250.0	125.6	67.1	31	122				

Sample ID: **MB-27273B** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/24/2006** RunNo: **61199**
Client ID: **PBS** Batch ID: **27273** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/27/2006** SeqNo: **906197**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID: **083126-018ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/24/2006** RunNo: **61199**
Client ID: **ZZZZZZ** Batch ID: **27273** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/27/2006** SeqNo: **906208**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Work Order: 083092
Project: CALTRANS I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **083126-018ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/24/2006** RunNo: **61199**
Client ID: **ZZZZZZ** Batch ID: **27273** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/27/2006** SeqNo: **906208**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	110	1.0						112.1	1.75	20	

Sample ID: **083126-018AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/24/2006** RunNo: **61199**
Client ID: **ZZZZZZ** Batch ID: **27273** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/27/2006** SeqNo: **906209**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	270	1.0	250.0	112.1	63.1	31	122				

Sample ID: **083126-018AMSD** SampType: **MSD** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/24/2006** RunNo: **61199**
Client ID: **ZZZZZZ** Batch ID: **27273** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/27/2006** SeqNo: **906210**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	300	1.0	250.0	112.1	75.3	31	122	269.8	10.7	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Project: CALTRANS I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_WPB

Sample ID: **MB-27239** SampType: **MBLK** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/22/2006** RunNo: **61172**
Client ID: **PBW** Batch ID: **27239** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/24/2006** SeqNo: **905702**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-27239** SampType: **LCS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/22/2006** RunNo: **61172**
Client ID: **LCSW** Batch ID: **27239** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/24/2006** SeqNo: **905703**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.0	0.25	1.000	0	99.6	85	115				

Sample ID: **083092-016ADUP** SampType: **DUP** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/22/2006** RunNo: **61172**
Client ID: **EQUIP-HA-032006** Batch ID: **27239** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/24/2006** SeqNo: **905705**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25						0	0	20	

Sample ID: **083092-016AMS** SampType: **MS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/22/2006** RunNo: **61172**
Client ID: **EQUIP-HA-032006** Batch ID: **27239** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/24/2006** SeqNo: **905706**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.5	0.25	2.500	0	100	78	118				

Sample ID: **083092-016AMSD** SampType: **MSD** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/22/2006** RunNo: **61172**
Client ID: **EQUIP-HA-032006** Batch ID: **27239** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/24/2006** SeqNo: **905707**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.5	0.25	2.500	0	100	78	118	2.511	0.338	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Project: CALTRANS I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **MB-27285** SampType: **MBLK** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/24/2006** RunNo: **61181**
Client ID: **PBS** Batch ID: **27285** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/25/2006** SeqNo: **905839**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	ND	2.0									
4,4'-DDE	ND	2.0									
4,4'-DDT	ND	2.0									
Aldrin	ND	1.0									
alpha-BHC	ND	1.0									
alpha-Chlordane	ND	1.0									
beta-BHC	ND	1.0									
Chlordane	ND	8.5									
delta-BHC	ND	1.0									
Dieldrin	ND	2.0									
Endosulfan I	ND	1.0									
Endosulfan II	ND	2.0									
Endosulfan sulfate	ND	2.0									
Endrin	ND	2.0									
Endrin aldehyde	ND	2.0									
Endrin ketone	ND	2.0									
gamma-BHC	ND	1.0									
gamma-Chlordane	ND	1.0									
Heptachlor	ND	1.0									
Heptachlor epoxide	ND	1.0									
Methoxychlor	ND	8.5									
Toxaphene	ND	85									
Surr: Tetrachloro-m-xylene	14		16.65		83.8	60	109				
Surr: Decachlorobiphenyl	15		16.65		90.0	59	127				

Sample ID: **LCS-27285** SampType: **LCS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/24/2006** RunNo: **61181**
Client ID: **LCSS** Batch ID: **27285** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/25/2006** SeqNo: **905840**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	18	2.0	16.65	0	107	75	128				
Aldrin	19	1.0	16.65	0	111	80	124				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **LCS-27285** SampType: **LCS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/24/2006** RunNo: **61181**
Client ID: **LCSS** Batch ID: **27285** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/25/2006** SeqNo: **905840**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dieldrin	19	2.0	16.65	0	112	82	121				
Endrin	21	2.0	16.65	0	128	79	141				
gamma-BHC	19	1.0	16.65	0	117	84	122				
Heptachlor	20	1.0	16.65	0	119	74	136				
Surr: Tetrachloro-m-xylene	15		16.65		90.9	60	109				
Surr: Decachlorobiphenyl	15		16.65		91.5	59	127				

Sample ID: **083068-003DMS** SampType: **MS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/24/2006** RunNo: **61181**
Client ID: **ZZZZZZ** Batch ID: **27285** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/25/2006** SeqNo: **905841**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	17	2.0	16.65	0	105	64	165				
Aldrin	18	1.0	16.65	0	107	68	135				
Dieldrin	18	2.0	16.65	0	108	48	165				
Endrin	21	2.0	16.65	0	125	60	186				
gamma-BHC	19	1.0	16.65	0	113	70	134				
Heptachlor	19	1.0	16.65	0	116	73	152				
Surr: Tetrachloro-m-xylene	14		16.65		86.9	60	109				
Surr: Decachlorobiphenyl	15		16.65		91.6	59	127				

Sample ID: **083068-003DMSD** SampType: **MSD** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/24/2006** RunNo: **61181**
Client ID: **ZZZZZZ** Batch ID: **27285** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/25/2006** SeqNo: **905842**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	18	2.0	16.65	0	108	64	165	17.41	3.62	30	
Aldrin	18	1.0	16.65	0	109	68	135	17.87	1.52	30	
Dieldrin	18	2.0	16.65	0	110	48	165	18.01	1.58	30	
Endrin	21	2.0	16.65	0	128	60	186	20.85	1.85	30	
gamma-BHC	19	1.0	16.65	0	115	70	134	18.76	1.66	30	
Heptachlor	20	1.0	16.65	0	119	73	152	19.35	2.57	30	
Surr: Tetrachloro-m-xylene	15		16.65		90.9	60	109		0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **083068-003DMSD** SampType: **MSD** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/24/2006** RunNo: **61181**
Client ID: **ZZZZZZ** Batch ID: **27285** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/25/2006** SeqNo: **905842**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Decachlorobiphenyl	15		16.65		89.1	59	127		0	30	

Sample ID: **083092-002ADUP** SampType: **DUP** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/24/2006** RunNo: **61181**
Client ID: **I5NB-CAN-HA121-0.** Batch ID: **27285** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/25/2006** SeqNo: **905845**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4'-DDD	ND	4.0						0	0	0	
2,4'-DDE	ND	4.0						0	0	0	
2,4'-DDT	ND	4.0						0	0	0	
4,4'-DDD	19	2.0						16.10	16.3	30	
Aldrin	ND	1.0						0	0	30	
alpha-BHC	ND	1.0						0	0	30	
alpha-Chlordane	ND	1.0						0	0	30	
beta-BHC	ND	1.0						0	0	30	
Chlordane	ND	8.5						0	0	30	
Chlorothalonil	ND	2.0						0	0	30	
delta-BHC	ND	1.0						0	0	30	
Dieldrin	44	2.0						38.43	13.6	30	
Endosulfan I	ND	1.0						0	0	30	
Endosulfan II	ND	2.0						0	0	30	
Endosulfan sulfate	ND	2.0						0	0	30	
Endrin	ND	2.0						0	0	30	
Endrin aldehyde	ND	2.0						0	0	30	
Endrin ketone	ND	2.0						0	0	30	
gamma-BHC	ND	1.0						0	0	30	
gamma-Chlordane	ND	1.0						0	0	30	
Heptachlor	ND	1.0						0	0	30	
Heptachlor epoxide	ND	1.0						0	0	30	
Methoxychlor	ND	8.5						0	0	30	
Toxaphene	430	85						571.5	27.2	30	
Surr: Tetrachloro-m-xylene	14		16.65		81.6	60	109		0	0	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083092
Project: CALTRANS I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **083092-002ADUP** SampType: **DUP** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/24/2006** RunNo: **61181**
Client ID: **I5NB-CAN-HA121-0.** Batch ID: **27285** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/25/2006** SeqNo: **905845**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Decachlorobiphenyl	16		16.62		94.2	59	127		0	0	

Sample ID: **MB-27285** SampType: **MBLK** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/24/2006** RunNo: **61181**
Client ID: **PBS** Batch ID: **27285** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/26/2006** SeqNo: **905878**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	ND	2.0									
4,4'-DDE	ND	2.0									
4,4'-DDT	ND	2.0									
Aldrin	ND	1.0									
alpha-BHC	ND	1.0									
alpha-Chlordane	ND	1.0									
beta-BHC	ND	1.0									
Chlordane	ND	8.5									
delta-BHC	ND	1.0									
Dieldrin	ND	2.0									
Endosulfan I	ND	1.0									
Endosulfan II	ND	2.0									
Endosulfan sulfate	ND	2.0									
Endrin	ND	2.0									
Endrin aldehyde	ND	2.0									
Endrin ketone	ND	2.0									
gamma-BHC	ND	1.0									
gamma-Chlordane	ND	1.0									
Heptachlor	ND	1.0									
Heptachlor epoxide	ND	1.0									
Methoxychlor	ND	8.5									
Toxaphene	ND	85									
Surr: Tetrachloro-m-xylene	14		16.65		86.1	60	109				
Surr: Decachlorobiphenyl	15		16.65		88.9	59	127				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083092
Project: CALTRANS I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **LCS-27285** SampType: **LCS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/24/2006** RunNo: **61181**
Client ID: **LCSS** Batch ID: **27285** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/26/2006** SeqNo: **905879**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	19	2.0	16.65	0	114	75	128				
Aldrin	20	1.0	16.65	0	118	80	124				
Dieldrin	20	2.0	16.65	0	118	82	121				
Endrin	22	2.0	16.65	0	133	79	141				
gamma-BHC	20	1.0	16.65	0	122	84	122				
Heptachlor	21	1.0	16.65	0	126	74	136				
Surr: Tetrachloro-m-xylene	16		16.65		95.0	60	109				
Surr: Decachlorobiphenyl	16		16.65		97.0	59	127				

Sample ID: **083092-002ADUP** SampType: **DUP** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/24/2006** RunNo: **61181**
Client ID: **I5NB-CAN-HA121-0.** Batch ID: **27285** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/26/2006** SeqNo: **905881**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDE	730	40						654.4	11.5	30	
4,4'-DDT	380	40						323.9	17.1	30	

Sample ID: **MB-27285** SampType: **MBLK** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/24/2006** RunNo: **61250**
Client ID: **PBS** Batch ID: **27285** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/27/2006** SeqNo: **906828**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	ND	2.0									
4,4'-DDE	ND	2.0									
4,4'-DDT	ND	2.0									
Aldrin	ND	1.0									
alpha-BHC	ND	1.0									
alpha-Chlordane	ND	1.0									
beta-BHC	ND	1.0									
Chlordane	ND	8.5									
delta-BHC	ND	1.0									
Dieldrin	ND	2.0									
Endosulfan I	ND	1.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **MB-27285**	SampType: **MBLK**	TestCode: **8081_S**	Units: **µg/Kg**	Prep Date: **3/24/2006**	RunNo: **61250**
Client ID: **PBS**	Batch ID: **27285**	TestNo: **EPA 8081A**	**EPA 3550B**	Analysis Date: **3/27/2006**	SeqNo: **906828**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Endosulfan II	ND	2.0									
Endosulfan sulfate	ND	2.0									
Endrin	ND	2.0									
Endrin aldehyde	ND	2.0									
Endrin ketone	ND	2.0									
gamma-BHC	ND	1.0									
gamma-Chlordane	ND	1.0									
Heptachlor	ND	1.0									
Heptachlor epoxide	ND	1.0									
Methoxychlor	ND	8.5									
Toxaphene	ND	85									
Surr: Tetrachloro-m-xylene	13		16.65		79.4	60	109				
Surr: Decachlorobiphenyl	14		16.65		85.3	59	127				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083092
Project: CALTRANS I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **MB-27306** SampType: **MBLK** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/27/2006** RunNo: **61255**
Client ID: **PBS** Batch ID: **27306** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/28/2006** SeqNo: **906914**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	ND	2.0									
4,4'-DDE	ND	2.0									
4,4'-DDT	ND	2.0									
Aldrin	ND	1.0									
alpha-BHC	ND	1.0									
alpha-Chlordane	ND	1.0									
beta-BHC	ND	1.0									
Chlordane	ND	8.5									
delta-BHC	ND	1.0									
Dieldrin	ND	2.0									
Endosulfan I	ND	1.0									
Endosulfan II	ND	2.0									
Endosulfan sulfate	ND	2.0									
Endrin	ND	2.0									
Endrin aldehyde	ND	2.0									
Endrin ketone	ND	2.0									
gamma-BHC	ND	1.0									
gamma-Chlordane	ND	1.0									
Heptachlor	ND	1.0									
Heptachlor epoxide	ND	1.0									
Methoxychlor	ND	8.5									
Toxaphene	ND	85									
Surr: Tetrachloro-m-xylene	14		16.65		86.5	60	109				
Surr: Decachlorobiphenyl	15		16.65		88.5	59	127				

Sample ID: **LCS-27306** SampType: **LCS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/27/2006** RunNo: **61255**
Client ID: **LCSS** Batch ID: **27306** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/28/2006** SeqNo: **906915**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	18	2.0	16.65	0	105	75	128				
Aldrin	18	1.0	16.65	0	109	80	124				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083092
Project: CALTRANS I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **LCS-27306** SampType: **LCS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/27/2006** RunNo: **61255**
Client ID: **LCSS** Batch ID: **27306** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/28/2006** SeqNo: **906915**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dieldrin	18	2.0	16.65	0	110	82	121				
Endrin	21	2.0	16.65	0	126	79	141				
gamma-BHC	19	1.0	16.65	0	114	84	122				
Heptachlor	19	1.0	16.65	0	116	74	136				
Surr: Tetrachloro-m-xylene	15		16.65		88.8	60	109				
Surr: Decachlorobiphenyl	15		16.65		90.8	59	127				

Sample ID: **083106-006AMS** SampType: **MS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/27/2006** RunNo: **61255**
Client ID: **ZZZZZZ** Batch ID: **27306** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/28/2006** SeqNo: **906916**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	17	2.0	16.65	0	102	64	165				
Aldrin	17	1.0	16.65	0	102	68	135				
Dieldrin	17	2.0	16.65	0	105	48	165				
Endrin	20	2.0	16.65	0	122	60	186				
gamma-BHC	18	1.0	16.65	0	106	70	134				
Heptachlor	18	1.0	16.65	0	108	73	152				
Surr: Tetrachloro-m-xylene	14		16.65		82.2	60	109				
Surr: Decachlorobiphenyl	15		16.65		90.4	59	127				

Sample ID: **083106-006AMSD** SampType: **MSD** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/27/2006** RunNo: **61255**
Client ID: **ZZZZZZ** Batch ID: **27306** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/28/2006** SeqNo: **906917**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	17	2.0	16.65	0	102	64	165	16.93	0.554	30	
Aldrin	17	1.0	16.65	0	103	68	135	17.01	0.922	30	
Dieldrin	18	2.0	16.65	0	105	48	165	17.40	0.752	30	
Endrin	20	2.0	16.65	0	123	60	186	20.31	0.767	30	
gamma-BHC	18	1.0	16.65	0	108	70	134	17.58	2.10	30	
Heptachlor	18	1.0	16.65	0	110	73	152	17.96	2.32	30	
Surr: Tetrachloro-m-xylene	14		16.65		84.2	60	109		0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083092
Project: CALTRANS I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **083106-006AMSD** SampType: **MSD** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **3/27/2006** RunNo: **61255**
Client ID: **ZZZZZZ** Batch ID: **27306** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **3/28/2006** SeqNo: **906917**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Decachlorobiphenyl	15		16.65		90.3	59	127		0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083092
Project: CALTRANS I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_W

Sample ID: **MB-27222** SampType: **MBLK** TestCode: **8081_W** Units: **µg/L** Prep Date: **3/22/2006** RunNo: **61192**
Client ID: **PBW** Batch ID: **27222** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **3/26/2006** SeqNo: **906006**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	ND	0.050									
4,4'-DDE	ND	0.050									
4,4'-DDT	ND	0.050									
Aldrin	ND	0.025									
alpha-BHC	ND	0.025									
alpha-Chlordane	ND	0.025									
beta-BHC	ND	0.025									
Chlordane	ND	0.25									
delta-BHC	ND	0.025									
Dieldrin	ND	0.050									
Endosulfan I	ND	0.025									
Endosulfan II	ND	0.050									
Endosulfan sulfate	ND	0.050									
Endrin	ND	0.050									
Endrin aldehyde	ND	0.050									
Endrin ketone	ND	0.050									
gamma-BHC	ND	0.025									
gamma-Chlordane	ND	0.025									
Heptachlor	ND	0.025									
Heptachlor epoxide	ND	0.025									
Methoxychlor	ND	0.25									
Toxaphene	ND	2.5									
Surr: Tetrachloro-m-xylene	0.42		0.5000		84.0	43	119				
Surr: Decachlorobiphenyl	0.28		0.5000		57.0	25	123				

Sample ID: **LCS-27222** SampType: **LCS** TestCode: **8081_W** Units: **µg/L** Prep Date: **3/22/2006** RunNo: **61192**
Client ID: **LCSW** Batch ID: **27222** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **3/26/2006** SeqNo: **906007**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	0.53	0.050	0.5000	0	106	72	125				
Aldrin	0.55	0.025	0.5000	0	110	74	120				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083092
Project: CALTRANS I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_W

Sample ID: **LCS-27222** SampType: **LCS** TestCode: **8081_W** Units: **µg/L** Prep Date: **3/22/2006** RunNo: **61192**
Client ID: **LCSW** Batch ID: **27222** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **3/26/2006** SeqNo: **906007**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dieldrin	0.55	0.050	0.5000	0	110	76	118				
Endrin	0.59	0.050	0.5000	0	118	83	124				
gamma-BHC	0.57	0.025	0.5000	0	114	79	120				
Heptachlor	0.59	0.025	0.5000	0	118	66	137				
Surr: Tetrachloro-m-xylene	0.43		0.5000		85.2	43	119				
Surr: Decachlorobiphenyl	0.25		0.5000		50.6	25	123				

Sample ID: **MB-27222MS** SampType: **MS** TestCode: **8081_W** Units: **µg/L** Prep Date: **3/22/2006** RunNo: **61192**
Client ID: **ZZZZZZ** Batch ID: **27222** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **3/26/2006** SeqNo: **906008**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	0.53	0.050	0.5000	0	106	72	125				
Aldrin	0.55	0.025	0.5000	0	110	74	120				
Dieldrin	0.56	0.050	0.5000	0	111	76	118				
Endrin	0.61	0.050	0.5000	0	122	83	124				
gamma-BHC	0.58	0.025	0.5000	0	117	79	120				
Heptachlor	0.59	0.025	0.5000	0	117	66	137				
Surr: Tetrachloro-m-xylene	0.41		0.5000		82.5	43	119				
Surr: Decachlorobiphenyl	0.38		0.5000		75.5	25	123				

Sample ID: **MB-27222MSD** SampType: **MSD** TestCode: **8081_W** Units: **µg/L** Prep Date: **3/22/2006** RunNo: **61192**
Client ID: **ZZZZZZ** Batch ID: **27222** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **3/26/2006** SeqNo: **906009**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	0.56	0.050	0.5000	0	112	72	125	0.5319	4.87	30	
Aldrin	0.58	0.025	0.5000	0	117	74	120	0.5502	6.09	30	
Dieldrin	0.58	0.050	0.5000	0	116	76	118	0.5553	4.59	30	
Endrin	0.59	0.050	0.5000	0	117	83	124	0.6107	4.22	30	
gamma-BHC	0.60	0.025	0.5000	0	120	79	120	0.5830	2.84	30	
Heptachlor	0.61	0.025	0.5000	0	122	66	137	0.5853	4.53	30	
Surr: Tetrachloro-m-xylene	0.43		0.5000		85.7	43	119		0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083092
Project: CALTRANS I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_W

Sample ID: **MB-27222MSD**	SampType: **MSD**	TestCode: **8081_W**	Units: **µg/L**	Prep Date: **3/22/2006**	RunNo: **61192**
Client ID: **ZZZZZZ**	Batch ID: **27222**	TestNo: **EPA 8081A**	**EPA 3510C**	Analysis Date: **3/26/2006**	SeqNo: **906009**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Decachlorobiphenyl	0.41		0.5000		81.0	25	123		0	30	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interferenc	DO	Surrogate Diluted Out
	Calculations are based on raw values				

3-20-06

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:
Logged By: Date: 3/22/06

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other:

Sample Condition Upon Receipt:
1. CHILLED Y☑ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☐ N☐

Client: Ninyo + Moore
Attn: Scott Snyder
Address: 5710 Ruffin Rd
City: San Diego State: CA Zip Code: 92115
TEL: (858) 576-1000
FAX: ( )

Project Name: CALTRANS I-5
Project #: 105812001
Sampler: (Printed Name) Andrew Lashomb (Signature)

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Andrew Lashomb	3/20/06			3-21-06	3:15p
	3-21-06	8:20		3/21/06	2020

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Andrew Lashomb 3/20/06 (Print Name, Date)
Signature

Send Report To: Attn: Ninyo + Moore; Co: Scott Snyder; Address: 5710 Ruffin Rd; City: SD State: CA Zip: 92115

Bill To: Attn: See info; Co:; Address:; City: State: Zip:

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested: 8081A (Pesticides), 8082 (PCB), 8260B (Volatiles), 8270C (BNA), 6010B (Total Metal), 8015B (GRO) / 8020 (BTEX), 8015B (DRO), 8021 (BTEX), TITLE 22 / CAM 17 (6010 / 7000), 8141 - Pesticides, 8151 - Herbicides, 9045C - pH, 6010B - Total Lead

SPECIFY APPROPRIATE MATRIX: SOIL, WATER, GROUND WATER, WASTEWATER

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	8141 - Pesticides	8151 - Herbicides	9045C - pH	6010B - Total Lead	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	083092-001	IS NB-CAN-HA120-0.3	3-20	9:26												X		X					E	1	J G	C	
	-2	IS NB-CAN-HA121-0.3	3-20	9:41	X									X	X	X	X	X						2			NO PH
	3	IS NB-CAN-HA122-1.0	3-20	10:05												X		X						1			
	4	IS NB-CAN-HA123-1.0	3-20	10:21												X		X						1			
	5	IS NB-CAN-HA124-1.0	3-20	10:40												X		X						1			
	6	IS NB-CAN-HA125-0.6	3-20	11:00												X		X						1			
	7	IS NB-TAM-HA126-1.0	3:20	12:5												X		X						1			
	8	IS NB-TAM-HA127-0.3	320	12:29												X		X						1			
	9	IS NB-TAM-HA128-0.6	3-20	12:48												X		X									
	10	IS NB-TAM-HA129-0.6	3-20	12:53												X		X									

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr; B= Emergency Next workday; C= Critical 2 Workdays; D= Urgent 3 Workdays; E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

3-20-06

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:
Logged By: W Date: 3/21/06

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other:

Sample Condition Upon Receipt:
1. CHILLED Y☑ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☐ N☐

Client: Ninyo + Moore
Attn: Scott Snyder
Address: 5710 Ruffin Rd
City: San Diego State: CA Zip Code: 92115
TEL: (858) 576-1000
FAX: ( )

Project Name: CALTRANS I-5
Project #: 105812001
Sampler: (Printed Name) Andrew Lashomb (Signature)

Relinquished by: (Signature and Printed Name)	Date	Time	Received by: (Signature and Printed Name)	Date	Time
Andrew Lashomb	3-20-06			3-21-06	3:15p
	3-21-06	8:20		3/21/06	2020

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Andrew Lashomb 3/20/06 (Print Name, Date)
Signature

Send Report To: Attn: Ninyo + Moore; Co: Scott Snyder; Address: 5710 Ruffin Rd; City: S.D. State: CA Zip: 9215

Bill To: Attn: SEE INFO; Co:; Address:; City: State: Zip:

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested; SPECIFY APPROPRIATE MATRIX

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	8141-Pesticides	8151-herbicides	9045c - pH	6010b - Total Lead	SOIL	WATER	GROUND WATER	WASTEWATER			TAT	Container(s) #	Type		PRESERVATION	REMARKS
	083092-11	I5NB-TAM-HA130-1.0	3-20	13:10												X		X						E	1	J	G	C	
	-12	I5NB-TAM-HA131-1.0	3-20	13:37												X		X						E	1	J	G	C	
	-13	I5NB-TAM-HA132-0.3	3-20	13:51												X		X						E	1	J	G	C	
	-14	I5NB-CVD ~~TAM~~-HA133-0.6	3-20	14:05												X		X						E	1	J	G	C	
	-15	I5NB-CVD-HA134-0.3	3-20	14:30												X		X						E	1	J	G	C	
	-16	Equip-HA-032006	3-20	14:55												X		X	X					E	1	P	P	N	No water
		Equip-HA-032006	3-20	14:35	X								X	X		X			X					E	3	L	G		

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr; B= Emergency Next workday; C= Critical 2 Workdays; D= Urgent 3 Workdays; E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

May 11, 2006

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 083092

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

RE: CALTRANS I-5, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on March 21, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: *11-May-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5NB-CAN-HA122-1.0
Lab Order:	083092	**Tag Number:**	
Project:	CALTRANS I-5, 105812001	**Collection Date:**	3/20/2006 10:05:00 AM
Lab ID:	083092-003A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
LEAD BY ATOMIC ABSORPTION						
				WET DI/ EPA 7420		
RunID: AA2_060508D	QC Batch: R63076			PrepDate:		Analyst: **NS**
Lead	9.5	0.25		mg/L	1	5/8/2006

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *11-May-06*

CLIENT: Ninyo & Moore
Work Order: 083092
Project: CALTRANS I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID: **083019-012A-DUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **ZZZZZZ** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932882**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25						0	0	20	

Sample ID: **083019-012AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **ZZZZZZ** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932883**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.37	0.25	5.000	0	107	70	130				

Sample ID: **MB-27867B** SampType: **MBLK** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **PBS** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932884**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **MB-27867** SampType: **MBLK** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **PBS** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932892**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **083252-010A-DUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **ZZZZZZ** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932896**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.55	0.25						2.130	17.8	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083092
Project: CALTRANS I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID: **083252-010AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **ZZZZZZ** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932897**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.21	0.25	5.000	2.130	102	70	130				

Sample ID: **083252-010AMSD** SampType: **MSD** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **ZZZZZZ** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932898**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.22	0.25	5.000	2.130	102	70	130	7.209	0.138	20	

Sample ID: **MB-27867A** SampType: **MBLK** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **PBS** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932899**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **LCS-27867** SampType: **LCS** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **LCSS** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932900**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.05	0.25	5.000	0	101	80	120				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Rachelle Arada

From: Scott Snyder [ssnyder@ninyoandmoore.com]
Sent: Tuesday, May 02, 2006 9:04 AM
To: Rachelle Arada
Subject: FW: additional analyses

Rachelle,

For the samples listed below, I am also looking for a WET analysis using deionized water as the extractant instead of whatever it is you normally use for the WET method. You already ran the standard WET test, but now I need deionized water used. What is the extractant that is normally use for the WET test? Is it citric acid?

Thanks,
Scott

I5NB-ENC-HA51-0.3
I5NB-ENC-HA61-0.6
I5NB-LEU-HA76-0.3
I5NB-LOC-HA93-0.6
I5NB-PO1-HA102-0.6
I5NB-PO1-HA104-0.3
I5NB-P01-HA107-0.6
I5NB-PAL-HA113-0.3
I5NB-PAL-HA114-0.3
I5NB-CAN-HA118-0.3
I5NB-CAN-HA122-1.0
I5NB-CAS-HA142-0.3
I5NB-VIS-HA151-0.3
I5NB-VIS-HA152-0.3

Scott Snyder, PG, HG
Senior Hydrogeologist
Ninyo & Moore
5710 Ruffin Road
San Diego, California 92122
858.576.1000 x1255

April 13, 2006

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 083092

RE: CALTRANS I-5, 105812001

Attention: Scott Snyder

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Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

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CLIENT: Ninyo & Moore
Project: CALTRANS I-5, 105812001
Lab Order: 083092

CASE NARRATIVE

Analytical Comments for EPA 7420

RPD for Sample Duplicate (DUP) is outside criteria for sample 083197-021ADUP; however, the Laboratory Control Sample (LCS) validated the analytical batch.

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Date: 4/13/2006

LEAD BY ATOMIC ABSORPTION WET/ EPA 7420

CLIENT:	Ninyo & Moore	**Lab Order:**	083092
Project:	CALTRANS I-5, 105812001	**Date Received**	3/21/2006 8:20:00 PM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
083092-003A	5NB-CAN-HA122-1.(	23	mg/L	R61866	0.75	3	3/20/2006	4/10/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/13/2006

LEAD BY ATOMIC ABSORPTION
EPA 1311/ 7420

CLIENT:	Ninyo & Moore	**Lab Order:**	083092
Project:	CALTRANS I-5, 105812001	**Date Received**	3/21/2006 8:20:00 PM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
083092-003A	5NB-CAN-HA122-1.(	ND	mg/L	27514	1.2	1	3/20/2006	4/11/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083092
Project: CALTRANS I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **MB-27480A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **PBS** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915726**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **083019-012A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **ZZZZZZ** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915737**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	26	0.75						25.09	3.99	20	

Sample ID: **083019-012AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **ZZZZZZ** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915739**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	29	1.0	5.000	25.09	74.9	70	130				

Sample ID: **MB-27480** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **PBS** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915740**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **MB-27480B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **PBS** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915741**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083092
Project: CALTRANS I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **LCS-27480** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **LCSS** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915742**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.4	0.25	5.000	0	108	80	120				

Sample ID: **083197-021A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **ZZZZZZ** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915753**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	13	0.50						6.794	64.7	20	R

Sample ID: **083197-021AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **ZZZZZZ** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915754**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12	0.50	5.000	6.794	97.1	70	130				

Sample ID: **083197-021AMSD** SampType: **MSD** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **ZZZZZZ** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915755**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12	0.50	5.000	6.794	97.6	70	130	11.65	0.228	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083092
Project: CALTRANS I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID: **MB-27514A** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2006** RunNo: **61930**
Client ID: **PBS** Batch ID: **27514** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **4/11/2006** SeqNo: **916578**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **MB-27495A TCLP 1** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2006** RunNo: **61930**
Client ID: **PBS** Batch ID: **27514** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **4/11/2006** SeqNo: **916579**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.2									

Sample ID: **LCS-27514** SampType: **LCS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2006** RunNo: **61930**
Client ID: **LCSS** Batch ID: **27514** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **4/11/2006** SeqNo: **916580**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.89	0.25	1.000	0	88.7	80	120				

Sample ID: **083126-018A-DUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2006** RunNo: **61930**
Client ID: **ZZZZZZ** Batch ID: **27514** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **4/11/2006** SeqNo: **916588**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.2						0	0	20	

Sample ID: **083126-018A-MS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2006** RunNo: **61930**
Client ID: **ZZZZZZ** Batch ID: **27514** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **4/11/2006** SeqNo: **916589**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	13	1.2	12.50	0	101	70	130				

Sample ID: **083126-018A-MSD** SampType: **MSD** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2006** RunNo: **61930**
Client ID: **ZZZZZZ** Batch ID: **27514** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **4/11/2006** SeqNo: **916590**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083092
Project: CALTRANS I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID: **083126-018A-MSD** SampType: **MSD** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2006** RunNo: **61930**
Client ID: **ZZZZZZ** Batch ID: **27514** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **4/11/2006** SeqNo: **916590**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12	1.2	12.50	0	96.6	70	130	12.65	4.61	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Rachelle Arada

From: Scott Snyder [ssnyder@ninyoandmoore.com]
Sent: Wednesday, April 05, 2006 4:45 PM
To: Rachelle Arada
Subject: additional analyses

Rachelle,

I need some additional analyses on the hand auger samples for Caltrans for leachable lead.

STLC (WET):

I5NB-ENC-HA51-0.3
I5NB-ENC-HA61-0.6
I5NB-LEU-HA76-0.3
I5NB-LOC-HA93-0.6
I5NB-PO1-HA102-0.6
I5NB-PO1-HA104-0.3
I5NB-P01-HA107-0.6
I5NB-PAL-HA113-0.3
I5NB-PAL-HA114-0.3
I5NB-CAN-HA118-0.3
I5NB-CAN-HA122-1.0
I5NB-CAS-HA142-0.3
I5NB-VIS-HA151-0.3
I5NB-VIS-HA152-0.3

TCLP:

I5NB-ENC-HA51-0.3
I5NB-LEU-HA76-0.3
I5NB-LOC-HA93-0.6
I5NB-PO1-HA104-0.3
I5NB-PAL-HA113-0.3
I5NB-CAN-HA118-0.3
I5NB-CAN-HA122-1.0
I5NB-CAS-HA142-0.3
I5NB-VIS-HA152-0.3

If you have any questions about these additional analyses, please do not hesitate to call or email.

Thanks,
Scott

Scott Snyder, PG, HG
Senior Hydrogeologist
Ninyo & Moore
5710 Ruffin Road
San Diego, California 92122
858.576.1000 x1255

April 05, 2006

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 083092

RE: CALTRANS I-5, 105812001

Attention: Scott Snyder

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This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

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Sincerely,

for Eddie F. Rodriguez
Laboratory Director

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Advanced Technology Laboratories

Date: *05-Apr-06*

CLIENT: Ninyo & Moore
Project: CALTRANS I-5, 105812001
Lab Order: 083092
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
083092-001A	I5NB-CAN-HA120-0.3	Soil	3/20/2006	3/21/2006	4/5/2006
083092-001B	I5NB-CAN-HA120-0.3	Soil	3/20/2006	3/21/2006	4/5/2006
083092-001C	I5NB-CAN-HA120-0.3	Soil	3/20/2006	3/21/2006	4/5/2006
083092-002A	I5NB-CAN-HA121-0.3	Soil	3/20/2006	3/21/2006	4/5/2006
083092-002B	I5NB-CAN-HA121-0.3	Soil	3/20/2006	3/21/2006	4/5/2006
083092-002C	I5NB-CAN-HA121-0.3	Soil	3/20/2006	3/21/2006	4/5/2006
083092-003A	I5NB-CAN-HA122-1.0	Soil	3/20/2006	3/21/2006	4/5/2006
083092-004A	I5NB-CAN-HA123-1.0	Soil	3/20/2006	3/21/2006	4/5/2006
083092-005A	I5NB-CAN-HA124-1.0	Soil	3/20/2006	3/21/2006	4/5/2006
083092-006A	I5NB-CAN-HA125-0.6	Soil	3/20/2006	3/21/2006	4/5/2006
083092-007A	I5NB-TAM-HA126-1.0	Soil	3/20/2006	3/21/2006	4/5/2006
083092-008A	I5NB-TAM-HA127-0.3	Soil	3/20/2006	3/21/2006	4/5/2006
083092-009A	I5NB-TAM-HA128-0.6	Soil	3/20/2006	3/21/2006	4/5/2006
083092-010A	I5NB-TAM-HA129-0.6	Soil	3/20/2006	3/21/2006	4/5/2006
083092-011A	I5NB-TAM-HA130-1.0	Soil	3/20/2006	3/21/2006	4/5/2006
083092-012A	I5NB-TAM-HA131-1.0	Soil	3/20/2006	3/21/2006	4/5/2006
083092-013A	I5NB-TAM-HA132-0.3	Soil	3/20/2006	3/21/2006	4/5/2006
083092-014A	I5NB-CVD-HA133-0.6	Soil	3/20/2006	3/21/2006	4/5/2006
083092-015A	I5NB-CVD-HA134-0.3	Soil	3/20/2006	3/21/2006	4/5/2006
083092-016A	EQUIP-HA-032006	Water	3/20/2006	3/21/2006	4/5/2006
083092-016B	EQUIP-HA-032006	Water	3/20/2006	3/21/2006	4/5/2006
083092-016C	EQUIP-HA-032006	Water	3/20/2006	3/21/2006	4/5/2006
083092-016D	EQUIP-HA-032006	Water	3/20/2006	3/21/2006	4/5/2006

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CASE NARRATIVE

The samples for EPA 8141 analysis were subcontracted to D-tek Analytical Laboratories, Inc. with ELAP Cert. 2344.

The samples for EPA 8151 analysis were subcontracted to Sierra Analytical Laboratories, Inc. with ELAP Cert. 2320.

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *05-Apr-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5NB-CAN-HA120-0.3
Lab Order:	083092	**Tag Number:**	
Project:	CALTRANS I-5, 105812001	**Collection Date:**	3/20/2006 9:26:00 AM
Lab ID:	083092-001A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PCBS BY GC/ECD						
	EPA 3550B			**EPA 8082**		
RunID: GC4_060328A	QC Batch: 27306				PrepDate: 3/27/2006	Analyst: **EES**
Aroclor 1016	ND	16		µg/Kg	1	3/28/2006
Aroclor 1221	ND	33		µg/Kg	1	3/28/2006
Aroclor 1232	ND	16		µg/Kg	1	3/28/2006
Aroclor 1242	ND	16		µg/Kg	1	3/28/2006
Aroclor 1248	ND	16		µg/Kg	1	3/28/2006
Aroclor 1254	ND	16		µg/Kg	1	3/28/2006
Aroclor 1260	ND	16		µg/Kg	1	3/28/2006
Aroclor 1262	ND	16		µg/Kg	1	3/28/2006
Aroclor 1268	ND	16		µg/Kg	1	3/28/2006
Surr: Decachlorobiphenyl	90.6	44-132		%REC	1	3/28/2006
Surr: Tetrachloro-m-xylene	106	63-130		%REC	1	3/28/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 083092
Project: CALTRANS I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_S

Sample ID: **MB-27285** SampType: **MBLK** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **3/24/2006** RunNo: **61202**
Client ID: **PBS** Batch ID: **27285** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **3/25/2006** SeqNo: **906118**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	16									
Aroclor 1221	ND	33									
Aroclor 1232	ND	16									
Aroclor 1242	ND	16									
Aroclor 1248	ND	16									
Aroclor 1254	ND	16									
Aroclor 1260	ND	16									
Aroclor 1262	ND	16									
Aroclor 1268	ND	16									
Surr: Decachlorobiphenyl	15		16.65		92.4	44	132				
Surr: Tetrachloro-m-xylene	17		16.65		100	63	130				

Sample ID: **LCS-27285** SampType: **LCS** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **3/24/2006** RunNo: **61202**
Client ID: **LCSS** Batch ID: **27285** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **3/25/2006** SeqNo: **906119**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	150	16	166.6	0	91.6	77	106				
Aroclor 1260	150	16	166.6	0	88.2	78	114				
Surr: Decachlorobiphenyl	16		16.65		98.4	44	132				
Surr: Tetrachloro-m-xylene	18		16.65		107	63	130				

Sample ID: **083068-005DMSA** SampType: **MS** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **3/24/2006** RunNo: **61202**
Client ID: **ZZZZZZ** Batch ID: **27285** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **3/25/2006** SeqNo: **906120**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	160	16	166.6	0	95.9	70	112				
Aroclor 1260	150	16	166.6	0	92.0	68	118				
Surr: Decachlorobiphenyl	15		16.65		91.5	44	132				
Surr: Tetrachloro-m-xylene	18		16.65		109	63	130				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 083092
Project: CALTRANS I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_S

Sample ID: **083068-005DMSDA** SampType: **MSD** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **3/24/2006** RunNo: **61202**
Client ID: **ZZZZZZ** Batch ID: **27285** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **3/25/2006** SeqNo: **906121**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	170	16	166.6	0	101	70	112	159.8	5.62	30	
Aroclor 1260	160	16	166.6	0	94.8	68	118	153.4	3.00	30	
Surr: Decachlorobiphenyl	16		16.65		96.7	44	132		0	0	
Surr: Tetrachloro-m-xylene	19		16.65		114	63	130		0	0	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 083092
Project: CALTRANS I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_S

Sample ID: **MB-27306** SampType: **MBLK** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **3/27/2006** RunNo: **61259**
Client ID: **PBS** Batch ID: **27306** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **3/28/2006** SeqNo: **906982**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	16									
Aroclor 1221	ND	33									
Aroclor 1232	ND	16									
Aroclor 1242	ND	16									
Aroclor 1248	ND	16									
Aroclor 1254	ND	16									
Aroclor 1260	ND	16									
Aroclor 1262	ND	16									
Aroclor 1268	ND	16									
Surr: Decachlorobiphenyl	14		16.65		85.2	44	132				
Surr: Tetrachloro-m-xylene	18		16.65		106	63	130				

Sample ID: **LCS-27306** SampType: **LCS** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **3/27/2006** RunNo: **61259**
Client ID: **LCSS** Batch ID: **27306** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **3/28/2006** SeqNo: **906983**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	160	16	166.6	0	93.2	77	106				
Aroclor 1260	160	16	166.6	0	94.7	78	114				
Surr: Decachlorobiphenyl	14		16.65		85.9	44	132				
Surr: Tetrachloro-m-xylene	18		16.65		108	63	130				

Sample ID: **083068-001DMSA** SampType: **MS** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **3/27/2006** RunNo: **61259**
Client ID: **ZZZZZZ** Batch ID: **27306** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **3/28/2006** SeqNo: **906984**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	160	16	166.6	0	98.2	70	112				
Aroclor 1260	170	16	166.6	0	101	68	118				
Surr: Decachlorobiphenyl	15		16.65		90.6	44	132				
Surr: Tetrachloro-m-xylene	17		16.65		104	63	130				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 083092
Project: CALTRANS I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_S

Sample ID: **083068-001DMSDA** SampType: **MSD** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **3/27/2006** RunNo: **61259**
Client ID: **ZZZZZZ** Batch ID: **27306** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **3/28/2006** SeqNo: **906985**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	170	16	166.6	0	105	70	112	163.6	6.44	30	
Aroclor 1260	170	16	166.6	0	103	68	118	168.4	2.27	30	
Surr: Decachlorobiphenyl	18		16.65		106	44	132		0	0	
Surr: Tetrachloro-m-xylene	19		16.65		117	63	130		0	0	

Sample ID: **083092-001ADUP** SampType: **DUP** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **3/27/2006** RunNo: **61259**
Client ID: **I5NB-CAN-HA120-0.** Batch ID: **27306** TestNo: **EPA 8082** **EPA 3550B** Analysis Date: **3/28/2006** SeqNo: **906990**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	16						0	0	30	
Aroclor 1221	ND	33						0	0	30	
Aroclor 1232	ND	16						0	0	30	
Aroclor 1242	ND	16						0	0	30	
Aroclor 1248	ND	16						0	0	30	
Aroclor 1254	ND	16						0	0	30	
Aroclor 1260	ND	16						0	0	30	
Aroclor 1262	ND	16						0	0	30	
Aroclor 1268	ND	16						0	0	30	
Surr: Decachlorobiphenyl	15		16.65		92.2	44	132		0	30	
Surr: Tetrachloro-m-xylene	18		16.65		110	63	130		0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

D-TEK Analytical Laboratories, Inc.
9020 Kenamar Drive, Suite 205
San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	4/4/06
Sampling Date:	3/20/06
Date Sample Received:	3/28/06
Date Extracted:	3/28/06
Date Analyzed:	April 1, 2006
Analyzed By:	EA
Method:	EPA 8141A
Sample Type:	Soil
Sample Log Number:	06-2045

The sample(s) were analyzed with EPA methodology or equivalent methods as specified on the attached "Analyses Results" report. The symbol for "less than" indicates a value below the reportable detection limit.

The results of these analyses and the quality control data are enclosed.

Ellen Atienza
Operations Manager

D-TEK Analytical Laboratories, Inc.
9020 Kenamar Drive, Suite 205
San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	4/4/06
Sampling Date:	3/20/06
Date Sample Received:	3/28/06
Date Extracted:	3/28/06
Date Analyzed:	April 1, 2006
Analyzed By:	EA
Sample Type:	Soil
Method:	EPA 8141A
Unit:	µg/kg

ANALYSES RESULTS

Analysis	Detection Limit	Log Number:	06-2045
		Sample ID:	083092-001B
			15NB-CAN-HA120-0.3
Azinphos Methyl	5.0		<DL
Bolstar	5.0		<DL
Coumaphos	5.0		<DL
Demeton	5.0		<DL
Diazinon	5.0		<DL
Dichlorvos	5.0		<DL
Disulfoton	5.0		<DL
Dursban (Chlorpyrifos)	5.0		<DL
Ethoprop	5.0		<DL
Fensulfothion	10.0		<DL
Fenthion	5.0		<DL
Gardona (Stirophos)	5.0		<DL
Malathion	5.0		<DL
Merphos	5.0		<DL
Methyl Parathion	5.0		<DL
Mevinphos	5.0		<DL
Naled	5.0		<DL
Phorate	5.0		<DL
Ronnel	5.0		<DL
Tokuthion	5.0		<DL
Trichloronate	5.0		<DL

Ellen Atienza
Operations Manager

D-TEK Analytical Laboratories, Inc.
9020 Kenamar Drive, Suite 205
San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

QUALITY CONTROL DATA REPORT

Date:	4/4/06
Attn:	Ms. Rachelle Arada
Date Extracted:	3/28/06
Date Analyzed:	April 1, 2006
Analysis Method:	EPA 8141A
Log #:	06-2045

Method Blank

No target analytes were detected in the method blank.

Laboratory Control Sample

Compound	% Recovery	QC Limits	DUP % Recovery	%RPD	RPD Limits
Diazinon	104	40-130	108	4	30
Methyl Parathion	103	40-130	109	6	30
Dursban (Chlorpyrifos)	89	40-130	108	19	30
Gardona (Stirophos)	94	40-130	96	2	30

SURROGATE RECOVERIES
(Tributylphosphate)

Log #	Percent Recovery:
Method Blank	115
06-2045	91
LCS	92
LCS Dup	99

QC limits: 50 to 170%

Ellen Atienza
Operations Manager

QUALITY CONTROL TERMINOLOGY

- **LCS - LABORATORY CONTROL SAMPLE.** Reported as % recovery of an independent standard carried through all sample preparation procedures to verify method performance. Acceptable range is based on historical laboratory control data and EPA requirements. Any out-of-control QC data is clearly indicated.
- **Spike**- environmental sample is matrix spiked with method compounds and % recovery of concentration spiked into sample is calculated. Reported as % recovery. Acceptable range for "Normal Matrix Sample" is based on historical laboratory control data. Any out-of-control QC data is clearly indicated.
- **Surrogates**- Compounds representative of a group of compounds. Surrogates are spiked into environmental samples and % recovery of concentration spiked is calculated and reported. Acceptable range varies depending on sample matrix and analysis method. Any out-of-control QC data is clearly indicated.

0611621

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755-5225
TEL: *5629894045* FAX: *5629894040*

CHAIN-OF-CUSTODY RECORD

QC Level: CT

Subcontractor:
D-Tek
9020 Kenamar Drive, Suite 205
San Diego, CA 92121

TEL: (858) 566-4540
FAX: (858) 566-4542
Acct #:

27-Mar-06

Sample ID		Matrix	Date Collected	Bottle Type	Requested Tests EPA 8141A
083092-001B	/ I5NB-CAN-HA120-0.3	Soil	3/20/2006 9:26:00 AM	4OZG	1

06 - 2045

General Comments: Please use PO#: SC00483 Please fax results by: NORMAL TAT
SEND REPORT TO RACHELLE ARADA

		Date/Time			Date/Time
Relinquished by:		3/27/06 1830	Received by:		3-27-06 7:00
Relinquished by:		3-28-06 9:15	Received by:		3/28/06 0915

Advanced Technology Labs	Project:	NA	
3275 Walnut Avenue	Project Number:	PO# SC00484	**Reported:**
Signal Hill CA, 90755	Project Manager:	Rachelle Arada	03/30/06 12:21

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
083092-001C / 15NB-CAN-HA120-0.3	0603608-01	Soil	03/20/06 09:26	03/28/06 10:15

CASE NARRATIVE

SAMPLE RECEIPT:	Samples were received intact, at 4 °C, and accompanied by chain of custody documentation.
PRESERVATION:	Samples requiring preservation were verified prior to sample preparation and analysis.
HOLDING TIMES:	All holding times were met, unless otherwise noted in the report with data qualifiers.
QA/QC CRITERIA:	All quality objective criteria were met, except as noted in the report with data qualifiers.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Labs	Project:	NA	
3275 Walnut Avenue	Project Number:	PO# SC00484	**Reported:**
Signal Hill CA, 90755	Project Manager:	Rachelle Arada	03/30/06 12:21

Chlorinated Herbicides by EPA Method 8151A

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
083092-001C / 15NB-CAN-HA120-0.3 (0603608-01) Soil Sampled: 03/20/06 09:26 Received: 03/28/06 10:15									
2,4,5-T	ND	1.6	µg/kg	1	B6C3023	03/28/06	03/29/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*41.1 %*	*35-150*		*"*	*"*	*"*	*"*	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Labs	Project:	NA	
3275 Walnut Avenue	Project Number:	PO# SC00484	**Reported:**
Signal Hill CA, 90755	Project Manager:	Rachelle Arada	03/30/06 12:21

Chlorinated Herbicides by EPA Method 8151A - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6C3023 - EPA 3550B Solid Ext										
Blank (B6C3023-BLK1)				Prepared & Analyzed: 03/29/06						
2,4,5-T	ND	1.6	µg/kg							
2,4,5-TP (Silvex)	ND	1.6	"							
2,4-D	ND	1.6	"							
2,4-DB	ND	4.0	"							
3,5-Dichlorobenzoic acid	ND	2.0	"							
4-Nitrophenol	ND	2.0	"							
Acifluorfen	ND	1.6	"							
Bentazon	ND	1.6	"							
Chloramben	ND	1.6	"							
Dalapon	ND	20	"							
DCPA diacid	ND	1.6	"							
Dicamba	ND	1.6	"							
Dichlorprop	ND	1.6	"							
Dinoseb	ND	1.6	"							
Pentachlorophenol	ND	1.6	"							
Picloram	ND	1.6	"							
Surrogate: 2,4-Dichlorophenylacetic Acid	*67.1*		*"*	*100*		*67.1*	*35-150*			
LCS (B6C3023-BS1)				Prepared & Analyzed: 03/29/06						
2,4,5-T	7.29	1.6	µg/kg	10.0		72.9	20-150			
2,4,5-TP (Silvex)	9.06	1.6	"	10.0		90.6	20-150			
Dinoseb	6.77	1.6	"	10.0		67.7	20-150			
LCS (B6C3023-BS2)				Prepared & Analyzed: 03/29/06						
2,4,5-T	7.19	1.6	µg/kg	10.0		71.9	20-150			
2,4,5-TP (Silvex)	8.96	1.6	"	10.0		89.6	20-150			
Dinoseb	6.64	1.6	"	10.0		66.4	20-150			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653
TELEPHONE: (949) 348-9389 FAX: (949) 348-9115
E-MAIL: SIERRALABS @ SIERRALABS.NET

Advanced Technology Labs	Project: NA	
3275 Walnut Avenue	Project Number: PO# SC00484	**Reported:**
Signal Hill CA, 90755	Project Manager: Rachelle Arada	03/30/06 12:21

Chlorinated Herbicides by EPA Method 8151A - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6C3023 - EPA 3550B Solid Ext										
LCS Dup (B6C3023-BSD1)				Prepared & Analyzed: 03/29/06						
2,4,5-T	7.50	1.6	µg/kg	10.0		75.0	20-150	2.84	30	
2,4,5-TP (Silvex)	9.31	1.6	"	10.0		93.1	20-150	2.72	30	
Dinoseb	6.90	1.6	"	10.0		69.0	20-150	1.90	30	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Labs	Project:	NA	
3275 Walnut Avenue	Project Number:	PO# SC00484	**Reported:**
Signal Hill CA, 90755	Project Manager:	Rachelle Arada	03/30/06 12:21

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755-5225
TEL: *5629894045* FAX: *5629894040*

CHAIN-OF-CUSTODY RECORD

QC Level: CT

Subcontractor:

Sierra Laboratories
26052 Merit Circle Suite 105
Laguna Hills, CA 92653

TEL: (949) 348-9389
FAX: (949) 348-9115
Acct #:

27-Mar-06

Sample ID	Matrix	Date Collected	Bottle Type	Requested Tests				
				EPA 8151				
083092-001C / I5NB-CAN-HA120-0.3	Soil	3/20/2006 9:26:00 AM	4OZG	1				

General Comments: Please use PO#: SC00484 Please fax results by: NORMAL TAT

SEND REPORT TO RACHELLE ARADA

		Date/Time			Date/Time
Relinquished by:		3/27/06 1830	Received by:		3-27-06 7:00p
Relinquished by:		3-28-06 10:15	Received by:		3-28-06 10:15

Sierra

Rachelle Arada

From: Scott Snyder [ssnyder@ninyoandmoore.com]
Sent: Monday, March 27, 2006 4:47 PM
To: Rachelle Arada
Subject: additional analyses

Rachelle,

I would like to request some additional analyses for some samples you already have for our Caltrans project:

USEPA 8082/8141/8151

I5NB-ENC-HA52-1.0
I5NB-ENC-HA57-1.4
I5NB-ENC-HA59-0.3
I5NB-ENC-HA60-1.0
I5NB-ENC-HA64-1.4
I5NB-ENC-HA65-0.3
I5NB-ENC-HA66-1.0
I5NB-LEU-HA73-0.3
I5NB-LEU-HA75-0.3
I5NB-PAL-HA112-0.3
I5NB-PAL-HA113-0.3
I5NB-CAN-HA120-0.3

Please let me know if you have any questions.

Thanks,
Scott

Scott Snyder, PG, HG
Senior Hydrogeologist
Ninyo & Moore
5710 Ruffin Road
San Diego, California 92122
858.576.1000 x1255

Advanced Technology Labs	Project:	NA	
3275 Walnut Avenue	Project Number:	PO# SC00468	**Reported:**
Signal Hill CA, 90755	Project Manager:	Rachelle Arada	04/04/06 11:48

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
083092-002B / 15NB-CAN-HA121-0.3	0603501-01	Soil	03/20/06 09:41	03/22/06 12:25
083092-016C / Equip-HA-032006	0603501-02	Liquid	03/20/06 14:35	03/22/06 12:25

CASE NARRATIVE

SAMPLE RECEIPT:	Samples were received intact, at 4 °C, and accompanied by chain of custody documentation.
PRESERVATION:	Samples requiring preservation were verified prior to sample preparation and analysis.
HOLDING TIMES:	All holding times were met, unless otherwise noted in the report with data qualifiers.
QA/QC CRITERIA:	All quality objective criteria were met, except as noted in the report with data qualifiers.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653
TELEPHONE: (949) 348-9389 FAX: (949) 348-9115
E-MAIL: SIERRALABS @ SIERRALABS.NET

Advanced Technology Labs	Project: NA	
3275 Walnut Avenue	Project Number: PO# SC00468	**Reported:**
Signal Hill CA, 90755	Project Manager: Rachelle Arada	04/04/06 11:48

Chlorinated Herbicides by EPA Method 8151A

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
083092-002B / 15NB-CAN-HA121-0.3 (0603501-01) Soil Sampled: 03/20/06 09:41 Received: 03/22/06 12:25									
2,4,5-T	ND	1.6	µg/kg	1	B6C2931	03/28/06	03/29/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*75.0 %*	*35-150*		*"*	*"*	*"*	*"*	
083092-016C / Equip-HA-032006 (0603501-02) Liquid Sampled: 03/20/06 14:35 Received: 03/22/06 12:25									
2,4,5-T	ND	0.080	µg/L	1	B6C2930	03/27/06	03/28/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	0.080	"	"	"	"	"	"	
2,4-D	ND	0.080	"	"	"	"	"	"	
2,4-DB	ND	0.20	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	0.10	"	"	"	"	"	"	
4-Nitrophenol	ND	0.10	"	"	"	"	"	"	
Acifluorfen	ND	0.080	"	"	"	"	"	"	
Bentazon	ND	0.080	"	"	"	"	"	"	
Chloramben	ND	0.080	"	"	"	"	"	"	
Dalapon	ND	1.0	"	"	"	"	"	"	
DCPA diacid	ND	0.080	"	"	"	"	"	"	
Dicamba	ND	0.080	"	"	"	"	"	"	
Dichlorprop	ND	0.080	"	"	"	"	"	"	
Dinoseb	ND	0.080	"	"	"	"	"	"	
Pentachlorophenol	ND	0.080	"	"	"	"	"	"	
Picloram	ND	0.080	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*70.6 %*	*35-150*		*"*	*"*	*"*	*"*	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Labs	Project:	NA	
3275 Walnut Avenue	Project Number:	PO# SC00468	**Reported:**
Signal Hill CA, 90755	Project Manager:	Rachelle Arada	04/04/06 11:48

Chlorinated Herbicides by EPA Method 8151A - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6C2930 - EPA 3510C Sep Funnel										
Blank (B6C2930-BLK1)				Prepared & Analyzed: 03/28/06						
2,4,5-T	ND	0.080	µg/L							
2,4,5-TP (Silvex)	ND	0.080	"							
2,4-D	ND	0.080	"							
2,4-DB	ND	0.20	"							
3,5-Dichlorobenzoic acid	ND	0.10	"							
4-Nitrophenol	ND	0.10	"							
Acifluorfen	ND	0.080	"							
Bentazon	ND	0.080	"							
Chloramben	ND	0.080	"							
Dalapon	ND	1.0	"							
DCPA diacid	ND	0.080	"							
Dicamba	ND	0.080	"							
Dichlorprop	ND	0.080	"							
Dinoseb	ND	0.080	"							
Pentachlorophenol	ND	0.080	"							
Picloram	ND	0.080	"							
Surrogate: 2,4-Dichlorophenylacetic Acid	*2.87*		*"*	*5.00*		*57.4*	*35-150*			
LCS (B6C2930-BS1)				Prepared & Analyzed: 03/28/06						
2,4,5-T	0.311	0.080	µg/L	0.500		62.2	20-150			
2,4,5-TP (Silvex)	0.445	0.080	"	0.500		89.0	20-150			
Dinoseb	0.340	0.080	"	0.500		68.0	20-150			
LCS (B6C2930-BS2)				Prepared & Analyzed: 03/28/06						
2,4,5-T	0.299	0.080	µg/L	0.500		59.8	20-150			
2,4,5-TP (Silvex)	0.422	0.080	"	0.500		84.4	20-150			
Dinoseb	0.325	0.080	"	0.500		65.0	20-150			

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E-MAIL: SIERRALABS @ SIERRALABS.NET

Advanced Technology Labs	Project: NA	
3275 Walnut Avenue	Project Number: PO# SC00468	**Reported:**
Signal Hill CA, 90755	Project Manager: Rachelle Arada	04/04/06 11:48

Chlorinated Herbicides by EPA Method 8151A - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6C2930 - EPA 3510C Sep Funnel										
LCS Dup (B6C2930-BSD1)				Prepared & Analyzed: 03/28/06						
2,4,5-T	0.302	0.080	µg/L	0.500		60.4	20-150	2.94	30	
2,4,5-TP (Silvex)	0.433	0.080	"	0.500		86.6	20-150	2.73	30	
Dinoseb	0.329	0.080	"	0.500		65.8	20-150	3.29	30	
Batch B6C2931 - EPA 3550B Solid Ext										
Blank (B6C2931-BLK1)				Prepared & Analyzed: 03/28/06						
2,4,5-T	ND	1.6	µg/kg							
2,4,5-TP (Silvex)	ND	1.6	"							
2,4-D	ND	1.6	"							
2,4-DB	ND	4.0	"							
3,5-Dichlorobenzoic acid	ND	2.0	"							
4-Nitrophenol	ND	2.0	"							
Acifluorfen	ND	1.6	"							
Bentazon	ND	1.6	"							
Chloramben	ND	1.6	"							
Dalapon	ND	20	"							
DCPA diacid	ND	1.6	"							
Dicamba	ND	1.6	"							
Dichlorprop	ND	1.6	"							
Dinoseb	ND	1.6	"							
Pentachlorophenol	ND	1.6	"							
Picloram	ND	1.6	"							
Surrogate: 2,4-Dichlorophenylacetic Acid	*66.6*		*"*	*100*		*66.6*	*35-150*			
LCS (B6C2931-BS1)				Prepared & Analyzed: 03/28/06						
2,4,5-T	6.38	1.6	µg/kg	10.0		63.8	20-150			
2,4,5-TP (Silvex)	9.17	1.6	"	10.0		91.7	20-150			
Dinoseb	6.96	1.6	"	10.0		69.6	20-150			

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Advanced Technology Labs	Project: NA	
3275 Walnut Avenue	Project Number: PO# SC00468	**Reported:**
Signal Hill CA, 90755	Project Manager: Rachelle Arada	04/04/06 11:48

Chlorinated Herbicides by EPA Method 8151A - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6C2931 - EPA 3550B Solid Ext										
LCS (B6C2931-BS2)				Prepared & Analyzed: 03/28/06						
2,4,5-T	6.32	1.6	µg/kg	10.0		63.2	20-150			
2,4,5-TP (Silvex)	9.07	1.6	"	10.0		90.7	20-150			
Dinoseb	6.88	1.6	"	10.0		68.8	20-150			
LCS Dup (B6C2931-BSD1)				Prepared: 03/28/06 Analyzed: 03/29/06						
2,4,5-T	6.50	1.6	µg/kg	10.0		65.0	20-150	1.86	30	
2,4,5-TP (Silvex)	9.35	1.6	"	10.0		93.5	20-150	1.94	30	
Dinoseb	7.08	1.6	"	10.0		70.8	20-150	1.71	30	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Labs	Project:	NA	
3275 Walnut Avenue	Project Number:	PO# SC00468	**Reported:**
Signal Hill CA, 90755	Project Manager:	Rachelle Arada	04/04/06 11:48

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

April 13, 2006

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 083126

RE: Caltrans I-5, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on March 22, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

CLIENT: Ninyo & Moore
Project: Caltrans I-5, 105812001
Lab Order: 083126

CASE NARRATIVE

Analytical Comments for EPA 7420

RPD for Sample Duplicate (DUP) is outside criteria for sample 083197-021ADUP; however, the Laboratory Control Sample (LCS) validated the analytical batch.

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Date: 4/13/2006

LEAD BY ATOMIC ABSORPTION
WET/ EPA 7420

CLIENT:	Ninyo & Moore	**Lab Order:**	083126
Project:	Caltrans I-5, 105812001	**Date Received**	3/22/2006 7:07:36 PM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
083126-008A	5NB-CAS-HA142-0.:	13	mg/L	R61866	0.50	2	3/22/2006	4/10/2006
083126-017A	I5NB-VIS-HA151-0.3	4.2	mg/L	R61866	0.25	1	3/22/2006	4/10/2006
083126-018A	I5NB-VIS-HA152-0.3	11	mg/L	R61866	0.50	2	3/22/2006	4/10/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/13/2006

LEAD BY ATOMIC ABSORPTION
EPA 1311/ 7420

CLIENT:	Ninyo & Moore	**Lab Order:**	083126
Project:	Caltrans I-5, 105812001	**Date Received**	3/22/2006 7:07:36 PM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	NS

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
083126-008A	5NB-CAS-HA142-0.:	ND	mg/L	27514	1.2	1	3/22/2006	4/11/2006
083126-018A	I5NB-VIS-HA152-0.3	ND	mg/L	27514	1.2	1	3/22/2006	4/11/2006

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083126
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **MB-27480A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **PBS** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915726**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **083019-012A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **ZZZZZZ** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915737**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	26	0.75						25.09	3.99	20	

Sample ID: **083019-012AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **ZZZZZZ** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915739**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	29	1.0	5.000	25.09	74.9	70	130				

Sample ID: **MB-27480** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **PBS** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915740**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **MB-27480B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **PBS** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915741**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083126
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **LCS-27480** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **LCSS** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915742**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.4	0.25	5.000	0	108	80	120				

Sample ID: **083197-021A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **ZZZZZZ** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915753**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	13	0.50						6.794	64.7	20	R

Sample ID: **083197-021AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **ZZZZZZ** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915754**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12	0.50	5.000	6.794	97.1	70	130				

Sample ID: **083197-021AMSD** SampType: **MSD** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **61866**
Client ID: **ZZZZZZ** Batch ID: **R61866** TestNo: **WET/ EPA 74** Analysis Date: **4/10/2006** SeqNo: **915755**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12	0.50	5.000	6.794	97.6	70	130	11.65	0.228	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083126
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID: **MB-27514A** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2006** RunNo: **61930**
Client ID: **PBS** Batch ID: **27514** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **4/11/2006** SeqNo: **916578**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **MB-27495A TCLP 1** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2006** RunNo: **61930**
Client ID: **PBS** Batch ID: **27514** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **4/11/2006** SeqNo: **916579**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.2									

Sample ID: **LCS-27514** SampType: **LCS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2006** RunNo: **61930**
Client ID: **LCSS** Batch ID: **27514** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **4/11/2006** SeqNo: **916580**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.89	0.25	1.000	0	88.7	80	120				

Sample ID: **083126-018A-DUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2006** RunNo: **61930**
Client ID: **I5NB-VIS-HA152-0.3** Batch ID: **27514** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **4/11/2006** SeqNo: **916588**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.2						0	0	20	

Sample ID: **083126-018A-MS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **4/7/2006** RunNo: **61930**
Client ID: **I5NB-VIS-HA152-0.3** Batch ID: **27514** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **4/11/2006** SeqNo: **916589**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	13	1.2	12.50	0	101	70	130				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Rachelle Arada

From: Scott Snyder [ssnyder@ninyoandmoore.com]
Sent: Wednesday, April 05, 2006 4:45 PM
To: Rachelle Arada
Subject: additional analyses

Rachelle,

I need some additional analyses on the hand auger samples for Caltrans for leachable lead.

STLC (WET):

I5NB-ENC-HA51-0.3
I5NB-ENC-HA61-0.6
I5NB-LEU-HA76-0.3
I5NB-LOC-HA93-0.6
I5NB-PO1-HA102-0.6
I5NB-PO1-HA104-0.3
I5NB-P01-HA107-0.6
I5NB-PAL-HA113-0.3
I5NB-PAL-HA114-0.3
I5NB-CAN-HA118-0.3
I5NB-CAN-HA122-1.0
I5NB-CAS-HA142-0.3
I5NB-VIS-HA151-0.3
I5NB-VIS-HA152-0.3

TCLP:

I5NB-ENC-HA51-0.3
I5NB-LEU-HA76-0.3
I5NB-LOC-HA93-0.6
I5NB-PO1-HA104-0.3
I5NB-PAL-HA113-0.3
I5NB-CAN-HA118-0.3
I5NB-CAN-HA122-1.0
I5NB-CAS-HA142-0.3
I5NB-VIS-HA152-0.3

If you have any questions about these additional analyses, please do not hesitate to call or email.

Thanks,
Scott

Scott Snyder, PG, HG
Senior Hydrogeologist
Ninyo & Moore
5710 Ruffin Road
San Diego, California 92122
858.576.1000 x1255

March 31, 2006

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 083126

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

RE: Caltrans I-5, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on March 22, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: *31-Mar-06*

CLIENT: Ninyo & Moore
Project: Caltrans I-5, 105812001
Lab Order: 083126
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
083126-001A	I5NB-CVD-HA135- 0.3	Soil	3/22/2006	3/22/2006	3/31/2006
083126-002A	I5NB-CVD-HA136-0.3	Soil	3/22/2006	3/22/2006	3/31/2006
083126-003A	I5NB-CVD-HA137-0.3	Soil	3/22/2006	3/22/2006	3/31/2006
083126-004A	I5NB-CVD-HA138-1.0	Soil	3/22/2006	3/22/2006	3/31/2006
083126-005A	I5NB-CAS-HA139-1.0	Soil	3/22/2006	3/22/2006	3/31/2006
083126-006A	I5NB-CAS-HA140-0.3	Soil	3/22/2006	3/22/2006	3/31/2006
083126-007A	I5NB-CAS-HA141-0.3	Soil	3/22/2006	3/22/2006	3/31/2006
083126-008A	I5NB-CAS-HA142-0.3	Soil	3/22/2006	3/22/2006	3/31/2006
083126-009A	I5NB-CAS-HA143-0.3	Soil	3/22/2006	3/22/2006	3/31/2006
083126-010A	I5NB-VIS-HA144-1.0	Soil	3/22/2006	3/22/2006	3/31/2006
083126-011A	I5NB-VIS-HA145-0.3	Soil	3/22/2006	3/22/2006	3/31/2006
083126-012A	I5NB-VIS-HA146-0.3	Soil	3/22/2006	3/22/2006	3/31/2006
083126-013A	I5NB-VIS-HA147-0.3	Soil	3/22/2006	3/22/2006	3/31/2006
083126-014A	I5NB-VIS-HA148-0.3	Soil	3/22/2006	3/22/2006	3/31/2006
083126-015A	I5NB-VIS-HA149-0.3	Soil	3/22/2006	3/22/2006	3/31/2006
083126-016A	I5NB-VIS-HA150-0.3	Soil	3/22/2006	3/22/2006	3/31/2006
083126-017A	I5NB-VIS-HA151-0.3	Soil	3/22/2006	3/22/2006	3/31/2006
083126-018A	I5NB-VIS-HA152-0.3	Soil	3/22/2006	3/22/2006	3/31/2006
083126-019A	Equip-HA-032206	Water	3/22/2006	3/22/2006	3/31/2006

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/31/2006

LEAD BY ICP
EPA 6010B

CLIENT:	Ninyo & Moore	**Lab Order:**	083126
Project:	Caltrans I-5, 105812001	**Date Received**	3/22/2006 7:07:36 PM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
083126-001A	5NB-CVD-HA135- 0.	26	mg/Kg	27273	1.0	1	3/22/2006	3/27/2006
083126-002A	5NB-CVD-HA136-0.:	1.5	mg/Kg	27273	1.0	1	3/22/2006	3/27/2006
083126-003A	5NB-CVD-HA137-0.:	ND	mg/Kg	27273	1.0	1	3/22/2006	3/27/2006
083126-004A	5NB-CVD-HA138-1.(	ND	mg/Kg	27273	1.0	1	3/22/2006	3/27/2006
083126-005A	5NB-CAS-HA139-1.(	ND	mg/Kg	27273	1.0	1	3/22/2006	3/27/2006
083126-006A	5NB-CAS-HA140-0.:	6.3	mg/Kg	27273	1.0	1	3/22/2006	3/27/2006
083126-007A	5NB-CAS-HA141-0.:	19	mg/Kg	27273	1.0	1	3/22/2006	3/27/2006
083126-008A	5NB-CAS-HA142-0.:	130	mg/Kg	27273	1.0	1	3/22/2006	3/27/2006
083126-009A	5NB-CAS-HA143-0.:	28	mg/Kg	27273	1.0	1	3/22/2006	3/27/2006
083126-010A	I5NB-VIS-HA144-1.0	ND	mg/Kg	27273	1.0	1	3/22/2006	3/27/2006
083126-011A	I5NB-VIS-HA145-0.3	11	mg/Kg	27273	1.0	1	3/22/2006	3/27/2006
083126-012A	I5NB-VIS-HA146-0.3	13	mg/Kg	27273	1.0	1	3/22/2006	3/27/2006
083126-013A	I5NB-VIS-HA147-0.3	21	mg/Kg	27273	1.0	1	3/22/2006	3/27/2006
083126-014A	I5NB-VIS-HA148-0.3	2.4	mg/Kg	27273	1.0	1	3/22/2006	3/27/2006
083126-015A	I5NB-VIS-HA149-0.3	7.8	mg/Kg	27273	1.0	1	3/22/2006	3/27/2006
083126-016A	I5NB-VIS-HA150-0.3	ND	mg/Kg	27273	1.0	1	3/22/2006	3/27/2006
083126-017A	I5NB-VIS-HA151-0.3	78	mg/Kg	27273	1.0	1	3/22/2006	3/27/2006
083126-018A	I5NB-VIS-HA152-0.3	110	mg/Kg	27273	1.0	1	3/22/2006	3/27/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: 3/31/2006

LEAD BY ICP
EPA 6010B

CLIENT:	Ninyo & Moore	**Lab Order:**	083126
Project:	Caltrans I-5, 105812001	**Date Received**	3/22/2006 7:07:36 PM
Project No:		**Matrix:**	Water
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
083126-019A	Equip-HA-032206	ND	mg/L	27278	0.25	1	3/22/2006	3/29/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 3/31/2006

pH
EPA 9045C

CLIENT:	Ninyo & Moore	**Lab Order:**	083126
Project:	Caltrans I-5, 105812001	**Date Received**	3/22/2006 7:07:36 PM
Project No:		**Matrix:**	Soil
Analyte:	pH	**Analyst:**	RSJ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
083126-001A	5NB-CVD-HA135- 0.	6.8	pH Units	R61130	0.10	1	3/22/2006	3/24/2006
083126-011A	I5NB-VIS-HA145-0.3	7.4	pH Units	R61130	0.10	1	3/22/2006	3/24/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

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Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083126
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **MB-27273A** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/24/2006** RunNo: **61199**
Client ID: **PBS** Batch ID: **27273** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/27/2006** SeqNo: **906111**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID: **LCS-27273** SampType: **LCS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/24/2006** RunNo: **61199**
Client ID: **LCSS** Batch ID: **27273** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/27/2006** SeqNo: **906112**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	230	1.0	250.0	0	93.3	80	120				

Sample ID: **083126-008ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/24/2006** RunNo: **61199**
Client ID: **I5NB-CAS-HA142-0.** Batch ID: **27273** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/27/2006** SeqNo: **906172**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	130	1.0						125.6	5.94	20	

Sample ID: **083126-008AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/24/2006** RunNo: **61199**
Client ID: **I5NB-CAS-HA142-0.** Batch ID: **27273** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/27/2006** SeqNo: **906173**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	290	1.0	250.0	125.6	67.1	31	122				

Sample ID: **MB-27273B** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/24/2006** RunNo: **61199**
Client ID: **PBS** Batch ID: **27273** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/27/2006** SeqNo: **906197**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
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CLIENT: Ninyo & Moore
Work Order: 083126
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **083126-018ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/24/2006** RunNo: **61199**
Client ID: **I5NB-VIS-HA152-0.3** Batch ID: **27273** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/27/2006** SeqNo: **906208**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	110	1.0						112.1	1.75	20	

Sample ID: **083126-018AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/24/2006** RunNo: **61199**
Client ID: **I5NB-VIS-HA152-0.3** Batch ID: **27273** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/27/2006** SeqNo: **906209**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	270	1.0	250.0	112.1	63.1	31	122				

Sample ID: **083126-018AMSD** SampType: **MSD** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/24/2006** RunNo: **61199**
Client ID: **I5NB-VIS-HA152-0.3** Batch ID: **27273** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/27/2006** SeqNo: **906210**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	300	1.0	250.0	112.1	75.3	31	122	269.8	10.7	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083126
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_WPB

Sample ID: **MB-27278** SampType: **MBLK** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/24/2006** RunNo: **61349**
Client ID: **PBW** Batch ID: **27278** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/29/2006** SeqNo: **908363**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-27278** SampType: **LCS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/24/2006** RunNo: **61349**
Client ID: **LCSW** Batch ID: **27278** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/29/2006** SeqNo: **908364**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.99	0.25	1.000	0.003555	99.0	85	115				

Sample ID: **083126-019ADUP** SampType: **DUP** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/24/2006** RunNo: **61349**
Client ID: **Equip-HA-032206** Batch ID: **27278** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/29/2006** SeqNo: **908366**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25						0.003707	0	20	

Sample ID: **083126-019AMS** SampType: **MS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/24/2006** RunNo: **61349**
Client ID: **Equip-HA-032206** Batch ID: **27278** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/29/2006** SeqNo: **908367**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.5	0.25	2.500	0.003707	98.4	78	118				

Sample ID: **083126-019AMSD** SampType: **MSD** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/24/2006** RunNo: **61349**
Client ID: **Equip-HA-032206** Batch ID: **27278** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/29/2006** SeqNo: **908368**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.4	0.25	2.500	0.003707	96.8	78	118	2.463	1.66	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083126
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID: **080615-037ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: RunNo: **61130**
Client ID: **ZZZZZZ** Batch ID: **R61130** TestNo: **EPA 9045C** Analysis Date: **3/24/2006** SeqNo: **905022**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.9	0.10						7.810	1.27	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

3-22-06 – WEDNESDAY

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: _____

Logged By: V Date: 3/22

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other: _____

Sample Condition Upon Receipt:
1. CHILLED Y☐ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: Ninyo & Moore
Attn: Scott Snyder
Address: 5710 Ruffin Road
City: San Diego State: CA Zip Code: 92115
TEL: (858) 576-1000
FAX: (858) 576-9600

Project Name: Caltrans I-5 Project #: 105812001 Sampler: (Printed Name) MATT ROE (Signature) Matt Roe

Relinquished by: (Signature and Printed Name)	Date	Time	Received by: (Signature and Printed Name)	Date	Time
Matt Roe / MATT ROE	3-22-06	4:16p	[signature]	3-22-06	4:16
[signature]	3-22-06	6:55p	[signature]	3/22/06	7:00

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: MATT ROE (Print Name) 3-22-06 (Date)
Matt Roe (Signature)

Send Report To:
Attn: Scott Snyder
Co: Ninyo & Moore
Address: 5710 Ruffin Road
City: SD State: CA Zip: 92115

Bill To:
Attn: See info
Co: ←
Address: _____
City: _____ State: _____ Zip: _____

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested: 8081A (Pesticides), 8082 (PCB), 8260B (Volatiles), 8270C (BNA), 6010B (Total Metal), 8015B (GRO) / 8020 (BTEX), 8015B (DRO), 8021 (BTEX), TITLE 22 / CAM 17 (6010 / 7000), 8141 - Pest, 8151 - Herb, 9045 c - pH, 6010 B - Total lead

SPECIFY APPROPRIATE MATRIX: SOIL, WATER, GROUND WATER, WASTEWATER

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	8141 - Pest	8151 - Herb	9045 c - pH	6010 B - Total lead	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	083124 -1	ISNB-CUD-HA135-0.3	3/22/06	9:15										X	X	X	X	X				E	1	J G	C	
	2	ISNB-CUD-HA136-0.3		9:25											X	X	X	X					1			
	3	ISNB-CUD-HA137-0.3		9:35											X	X	X	X					1			
	4	ISNB-CUD-HA138-1.0		9:45											X	X	X	X					1			
	5	ISNB-CAS-HA139-1.0		10:05											X	X	X	X					1			
	6	ISNB-CAS-HA140-0.3		10:20											X	X	X	X					1			
	7	ISNB-CAS-HA141-0.3		10:40											X	X	X	X					1			
	8	ISNB-CAS-HA142-0.3		10:50											X	X	X	X					1			
	9	ISNB-CAS-HA143-0.3		11:00											X	X	X	X					1			
	10	ISNB-VIS-HA144-1.0		11:20											X	X	X	X					1			

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr; B= Emergency Next workday; C= Critical 2 Workdays; D= Urgent 3 Workdays; E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

3-22-06 ~ Wednesday

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: W Date: 3/22

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other:

Sample Condition Upon Receipt: 1. CHILLED Y☐ N☐ 2. HEADSPACE (VOA) Y☐ N☐ 3. CONTAINER INTACT Y☐ N☐ 4. SEALED Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: Ninyo & Moore
Attn: Scott Snyder
Address: 5710 Ruffin Road
City: San Diego State: CA Zip Code: 92115
TEL: (858) 576-1000
FAX: (858) 576-1600

Project Name: Caltrans I-5 Project #: 10581200 1 Sampler: (Printed Name) MATT ROE (Signature) Matt Roe

Relinquished by: (Signature and Printed Name) Matt Roe MATT ROE Date: 3-22-06 Time: 4:16
Received by: (Signature and Printed Name) Date: 3-22-06 Time: 4:16
Relinquished by: (Signature and Printed Name) Date: 3-22-06 Time: 6:55
Received by: (Signature and Printed Name) Date: 3/22/06 Time: 7:00
Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: MATT ROE (Print Name) 3-22-06 (Date) Matt Roe (Signature)

Send Report To: Attn: Scott Snyder Co: Ninyo & Moore Address: 5710 Ruffin Rd City: SD State: CA Zip: 92115

Bill To: Attn: see info Co: Address: City: State: Zip:

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested: 8081A (Pesticides), 8082 (PCB), 8260B (Volatiles), 8270C (BNA), 6010B (Total Metal), 8015B (GRO) / 8020 (BTEX), 8015B (DRO), 8021 (BTEX), TITLE 22 / CAM 17 (6010 / 7000), 8141 - Pest, 8151 - Herb, 9045 C - PH, 6010 B - Total Lead

SPECIFY APPROPRIATE MATRIX: SOIL, WATER, GROUND WATER, WASTEWATER

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8141 - Pest	8151 - Herb	9045 C - PH	6010 B - Total Lead	SOIL	WATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	0823126- 11	ISNB-VIS-HA145-0.3	3/22/06	11:40	X	X	X								
	- 12	ISNB-VIS-HA146-0.3	"	12:05		X	X								
	- 13	ISNB-VIS-HA147-0.3	"	13:15		X	X								
	- 14	ISNB-VIS-HA148-0.3	"	13:25		X	X								
	- 15	ISNB-VIS-HA149-0.3	"	13:35		X	X								
	- 16	ISNB-VIS-HA150-0.3	"	13:55		X	X								
	- 17	ISNB-VIS-HA151-0.3	"	14:05		X	X								
	- 18	ISNB-VIS-HA152-0.3	"	14:15		X	X								
	- 19	Equip-HA-032206	"	14:30		X				X					

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

May 11, 2006

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 083126

RE: Caltrans I-5, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on March 22, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: *11-May-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5NB-CAS-HA142-0.3
Lab Order:	083126	**Tag Number:**	
Project:	Caltrans I-5, 105812001	**Collection Date:**	3/22/2006 10:50:00 AM
Lab ID:	083126-008A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
LEAD BY ATOMIC ABSORPTION						
			WET DI/ EPA 7420			
RunID: AA2_060508D	QC Batch: R63076			PrepDate:		Analyst: **NS**
Lead	ND	0.25		mg/L	1	5/8/2006

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Date: *11-May-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5NB-VIS-HA151-0.3
Lab Order:	083126	**Tag Number:**	
Project:	Caltrans I-5, 105812001	**Collection Date:**	3/22/2006 2:05:00 PM
Lab ID:	083126-017A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
LEAD BY ATOMIC ABSORPTION						
			WET DI/ EPA 7420			
RunID: AA2_060508D	QC Batch: R63076			PrepDate:		Analyst: **NS**
Lead	ND	0.25		mg/L	1	5/8/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Date: *11-May-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5NB-VIS-HA152-0.3
Lab Order:	083126	**Tag Number:**	
Project:	Caltrans I-5, 105812001	**Collection Date:**	3/22/2006 2:15:00 PM
Lab ID:	083126-018A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
LEAD BY ATOMIC ABSORPTION						
			WET DI/ EPA 7420			
RunID: AA2_060508D	QC Batch: R63076			PrepDate:		Analyst: **NS**
Lead	ND	0.25		mg/L	1	5/8/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *11-May-06*

CLIENT: Ninyo & Moore
Work Order: 083126
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID: **083019-012A-DUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **ZZZZZZ** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932882**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25						0	0	20	

Sample ID: **083019-012AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **ZZZZZZ** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932883**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.37	0.25	5.000	0	107	70	130				

Sample ID: **MB-27867B** SampType: **MBLK** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **PBS** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932884**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **MB-27867** SampType: **MBLK** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **PBS** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932892**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **083252-010A-DUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **ZZZZZZ** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932896**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.55	0.25						2.130	17.8	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083126
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID: **083252-010AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **ZZZZZZ** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932897**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.21	0.25	5.000	2.130	102	70	130				

Sample ID: **083252-010AMSD** SampType: **MSD** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **ZZZZZZ** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932898**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.22	0.25	5.000	2.130	102	70	130	7.209	0.138	20	

Sample ID: **MB-27867A** SampType: **MBLK** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **PBS** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932899**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **LCS-27867** SampType: **LCS** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **LCSS** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932900**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.05	0.25	5.000	0	101	80	120				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Rachelle Arada

From: Scott Snyder [ssnyder@ninyoandmoore.com]
Sent: Tuesday, May 02, 2006 9:04 AM
To: Rachelle Arada
Subject: FW: additional analyses

Rachelle,

For the samples listed below, I am also looking for a WET analysis using deionized water as the extractant instead of whatever it is you normally use for the WET method. You already ran the standard WET test, but now I need deionized water used. What is the extractant that is normally use for the WET test? Is it citric acid?

Thanks,
Scott

I5NB-ENC-HA51-0.3
I5NB-ENC-HA61-0.6
I5NB-LEU-HA76-0.3
I5NB-LOC-HA93-0.6
I5NB-PO1-HA102-0.6
I5NB-PO1-HA104-0.3
I5NB-P01-HA107-0.6
I5NB-PAL-HA113-0.3
I5NB-PAL-HA114-0.3
I5NB-CAN-HA118-0.3
I5NB-CAN-HA122-1.0
I5NB-CAS-HA142-0.3
I5NB-VIS-HA151-0.3
I5NB-VIS-HA152-0.3

Scott Snyder, PG, HG
Senior Hydrogeologist
Ninyo & Moore
5710 Ruffin Road
San Diego, California 92122
858.576.1000 x1255

April 06, 2006

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 083252

RE: Caltrans I-5, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on March 27, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

for Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: *06-Apr-06*

CLIENT: Ninyo & Moore
Project: Caltrans I-5, 105812001
Lab Order: 083252
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
083252-001A	I5NB-OSD-HA153-0.3	Soil	3/23/2006	3/27/2006	4/6/2006
083252-002A	I5NB-OSD-HA154-0.6	Soil	3/23/2006	3/27/2006	4/6/2006
083252-003A	I5NB-OSD-HA155-0.3	Soil	3/23/2006	3/27/2006	4/6/2006
083252-004A	I5NB-OSD-HA156-0.3	Soil	3/23/2006	3/27/2006	4/6/2006
083252-005A	I5NB-OSD-HA157-0.3	Soil	3/23/2006	3/27/2006	4/6/2006
083252-006A	I5NB-OSD-HA158-1.0	Soil	3/23/2006	3/27/2006	4/6/2006
083252-007A	I5NB-OSD-HA159-0.3	Soil	3/23/2006	3/27/2006	4/6/2006
083252-008A	I5NB-OSD-HA160-0.3	Soil	3/23/2006	3/27/2006	4/6/2006
083252-009A	I5NB-MIS-HA161-0.3	Soil	3/23/2006	3/27/2006	4/6/2006
083252-010A	I5NB-MIS-HA162-0.3	Soil	3/23/2006	3/27/2006	4/6/2006
083252-011A	I5NB-MIS-HA163-0.3	Soil	3/23/2006	3/27/2006	4/6/2006
083252-012A	I5NB-MIS-HA164-0.3	Soil	3/23/2006	3/27/2006	4/6/2006
083252-013A	I5NB-MIS-HA165-1.0	Soil	3/23/2006	3/27/2006	4/6/2006
083252-014A	I5NB-MIS-HA166-0.3	Soil	3/23/2006	3/27/2006	4/6/2006
083252-015A	I5NB-H78-HA167-0.3	Soil	3/23/2006	3/27/2006	4/6/2006
083252-016A	Equip-HA-032306	Water	3/23/2006	3/27/2006	4/6/2006

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Project: Caltrans I-5, 105812001
Lab Order: 083252

CASE NARRATIVE

Analytical Comments for EPA 6010B

RPD for Sample Duplicate (DUP) is outside criteria for sample 083252-010ADUP; however, the Laboratory Control Sample (LCS) validated the analytical batch.

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Date: 4/6/2006

LEAD BY ICP
EPA 6010B

CLIENT:	Ninyo & Moore	**Lab Order:**	083252
Project:	Caltrans I-5, 105812001	**Date Received**	3/27/2006 7:05:00 AM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
083252-001A	5NB-OSD-HA153-0.:	8.6	mg/Kg	27383	1.0	1	3/23/2006	3/30/2006
083252-002A	5NB-OSD-HA154-0.(	66	mg/Kg	27383	1.0	1	3/23/2006	3/30/2006
083252-003A	5NB-OSD-HA155-0.:	100	mg/Kg	27383	1.0	1	3/23/2006	3/30/2006
083252-004A	5NB-OSD-HA156-0.:	76	mg/Kg	27383	1.0	1	3/23/2006	3/30/2006
083252-005A	5NB-OSD-HA157-0.:	130	mg/Kg	27383	1.0	1	3/23/2006	3/30/2006
083252-006A	5NB-OSD-HA158-1.(	3.6	mg/Kg	27383	1.0	1	3/23/2006	3/30/2006
083252-007A	5NB-OSD-HA159-0.:	16	mg/Kg	27383	1.0	1	3/23/2006	3/30/2006
083252-008A	5NB-OSD-HA160-0.:	54	mg/Kg	27383	1.0	1	3/23/2006	3/30/2006
083252-009A	I5NB-MIS-HA161-0.:	22	mg/Kg	27383	1.0	1	3/23/2006	3/30/2006
083252-010A	I5NB-MIS-HA162-0.:	250	mg/Kg	27383	1.0	1	3/23/2006	3/30/2006
083252-011A	I5NB-MIS-HA163-0.:	250	mg/Kg	27383	1.0	1	3/23/2006	3/30/2006
083252-012A	I5NB-MIS-HA164-0.:	8.8	mg/Kg	27383	1.0	1	3/23/2006	3/30/2006
083252-013A	I5NB-MIS-HA165-1.(	2.2	mg/Kg	27383	1.0	1	3/23/2006	3/30/2006
083252-014A	I5NB-MIS-HA166-0.:	14	mg/Kg	27383	1.0	1	3/23/2006	3/30/2006
083252-015A	I5NB-H78-HA167-0.:	17	mg/Kg	27383	1.0	1	3/23/2006	3/30/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/6/2006

LEAD BY ICP
EPA 6010B

CLIENT:	Ninyo & Moore	**Lab Order:**	083252
Project:	Caltrans I-5, 105812001	**Date Received**	3/27/2006 7:05:00 AM
Project No:		**Matrix:**	Water
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
083252-016A	Equip-HA-032306	ND	mg/L	27376	0.25	1	3/23/2006	3/30/2006

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Date: 4/6/2006

pH
EPA 9045C

CLIENT:	Ninyo & Moore	**Lab Order:**	083252
Project:	Caltrans I-5, 105812001	**Date Received**	3/27/2006 7:05:00 AM
Project No:		**Matrix:**	Soil
Analyte:	pH	**Analyst:**	RSJ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
083252-001A	5NB-OSD-HA153-0.:	8.9	pH Units	R61278	0.10	1	3/23/2006	3/28/2006
083252-011A	5NB-MIS-HA163-0.:	6.4	pH Units	R61278	0.10	1	3/23/2006	3/28/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083252
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **MB-27383A** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/30/2006** RunNo: **61409**
Client ID: **PBS** Batch ID: **27383** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/30/2006** SeqNo: **909160**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID: **LCS-27383** SampType: **LCS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/30/2006** RunNo: **61409**
Client ID: **LCSS** Batch ID: **27383** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/30/2006** SeqNo: **909161**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	250	1.0	250.0	0	101	80	120				

Sample ID: **083252-010ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/30/2006** RunNo: **61409**
Client ID: **I5NB-MIS-HA162-0.3** Batch ID: **27383** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/30/2006** SeqNo: **909172**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	410	1.0						249.2	49.8	20	R

Sample ID: **083252-010AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/30/2006** RunNo: **61409**
Client ID: **I5NB-MIS-HA162-0.3** Batch ID: **27383** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/30/2006** SeqNo: **909173**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	520	1.0	250.0	249.2	109	31	122				

Sample ID: **MB-27383B** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/30/2006** RunNo: **61409**
Client ID: **PBS** Batch ID: **27383** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/30/2006** SeqNo: **909174**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083252
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **083253-005ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/30/2006** RunNo: **61409**
Client ID: **ZZZZZZ** Batch ID: **27383** TestNo: **EPA 6010B EPA 3050M** Analysis Date: **3/30/2006** SeqNo: **909185**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	46	1.0						50.07	8.85	20	

Sample ID: **083253-005AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/30/2006** RunNo: **61409**
Client ID: **ZZZZZZ** Batch ID: **27383** TestNo: **EPA 6010B EPA 3050M** Analysis Date: **3/30/2006** SeqNo: **909186**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	270	1.0	250.0	50.07	87.1	31	122				

Sample ID: **083253-005AMSD** SampType: **MSD** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/30/2006** RunNo: **61409**
Client ID: **ZZZZZZ** Batch ID: **27383** TestNo: **EPA 6010B EPA 3050M** Analysis Date: **3/30/2006** SeqNo: **909187**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	260	1.0	250.0	50.07	82.3	31	122	267.8	4.54	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083252
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_WPB

Sample ID: **MB-27376** SampType: **MBLK** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/29/2006** RunNo: **61386**
Client ID: **PBW** Batch ID: **27376** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/30/2006** SeqNo: **908937**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-27376** SampType: **LCS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/29/2006** RunNo: **61386**
Client ID: **LCSW** Batch ID: **27376** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/30/2006** SeqNo: **908938**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.0	0.25	1.000	0	100	85	115				

Sample ID: **083257-007ADUP** SampType: **DUP** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/29/2006** RunNo: **61386**
Client ID: **ZZZZZZ** Batch ID: **27376** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/30/2006** SeqNo: **908943**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25						0	0	20	

Sample ID: **083257-007AMS** SampType: **MS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/29/2006** RunNo: **61386**
Client ID: **ZZZZZZ** Batch ID: **27376** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/30/2006** SeqNo: **908944**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.5	0.25	2.500	0	98.9	78	118				

Sample ID: **083257-007AMSD** SampType: **MSD** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/29/2006** RunNo: **61386**
Client ID: **ZZZZZZ** Batch ID: **27376** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/30/2006** SeqNo: **908945**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.5	0.25	2.500	0	100	78	118	2.473	1.28	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083252
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID: **083254-001ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: RunNo: **61278**
Client ID: **ZZZZZZ** Batch ID: **R61278** TestNo: **EPA 9045C** Analysis Date: **3/28/2006** SeqNo: **907202**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.5	0.10						8.530	0.824	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

3-23-06 - Thursday

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:
Logged By: Date: 3/27/06

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other:

Sample Condition Upon Receipt:
1. CHILLED Y☑ N☐ 4. SEALED Y☐ N☑
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☑ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☑ N☐

Client: Ninyo & Moore
Attn: Scott Snyder
Address: 5710 Ruffin Road
City San Diego State CA Zip Code 92115
TEL: (858) 576-1000
FAX: (858) 576-9600

Project Name: Caltrans I-5
Project #: 105812001
Sampler: (Printed Name) MATT ROE (Signature) Matt Roe

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
MATT ROE				3-27-06	4:30p
	3-27-06	7:05p		3/27/06	1905

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: MATT ROE (Print Name) Date
Matt Roe (Signature)

Send Report To: Attn: Scott Snyder; Co: Ninyo & Moore; Address 5710 Ruffin Rd; City SD State CA Zip 92115

Bill To: Attn: See info; Co:; Address; City State Zip

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested: 8081A (Pesticides); 8082 (PCB); 8260B (Volatiles); 8270C (BNA); 6010B (Total Metal); 8015B (GRO) / 8020 (BTEX); 8015B (DRO); 8021 (BTEX); TITLE 22 / CAM 17 (6010 / 7000); 8141 - Pest; 8151 - Herb; 9045 C - PH; 6010 B - Total lead

SPECIFY APPROPRIATE MATRIX: SOIL; WATER; GROUND WATER; WASTEWATER

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ___ OTHER ___

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8141 - Pest	9045 C - PH	6010 B - Total lead	SOIL	TAT	Container(s) #	Type	PRESERVATION	REMARKS
	083252-001	ISNB-OSD-HA153-0.3	3/23	9:25	X	X	X	X	E	1	J G	C	
	-002	ISNB-OSD-HA154-0.6	3/23	9:42	X	X	X	X	E	1			No ph
	-003	ISNB-OSD-HA155-0.3	"	9:50		X	X	X		1			
	-004	ISNB-OSD-HA156-0.3	"	10:05		X	X	X		1			
	-005	ISNB-OSD-HA157-0.3	"	10:30		X	X	X		1			
	-006	ISNB-OSD-HA158-1.0	"	10:45		X	X	X		1			
	-007	ISNB-OSD-HA159-0.3	"	11:00		X	X	X		1			
	-008	ISNB-OSD-HA160-0.3		11:10		X	X	X		1			
	-009	ISNB-OSD-HA161-0.3	"	11:33		X	X	X		1			MIS
	-010	ISNB-MIS-HA162-0.3		11:50		X	X	X		1			11:50

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr; B= Emergency Next workday; C= Critical 2 Workdays; D= Urgent 3 Workdays; E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

Thursday 3-23-06

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: Date: 3/27/06

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other:

Sample Condition Upon Receipt: 1. CHILLED Y☑ N☐ 2. HEADSPACE (VOA) Y☐ N☐ 3. CONTAINER INTACT Y☑ N☐ 4. SEALED Y☐ N☑ 5. # OF SPLS MATCH COC Y☑ N☐ 6. PRESERVED Y☑ N☐

Client: Ninyo & Moore
Attn: Scott Snyder
Address: 5710 Ruffin Rd
City: San Diego State: CA Zip Code: 92115
TEL: (858) 576-1000
FAX: (858) 576-9600

Project Name: Caltrans I-5 Project.#: 105812001 Sampler: (Printed Name) MATT ROE (Signature)

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
MATT ROE				3-22-06	4:30
	3-27-06	4:30p		3/27/06	1905

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: MATT ROE
Print Name Date
MATT ROE
Signature

Send Report To: Attn: Scott Snyder Co: Ninyo & Moore Address: 5710 Ruffin Rd City: SD State: CA Zip: 92115

Bill To: Attn: Scott Snyder Co: Address: see info City State Zip

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested: 8081A (Pesticides), 8082 (PCB), 8260B (Volatiles), 8270C (BNA), 6010B (Total Metal), 8015B (GRO) / 8020 (BTEX), 8015B (DRO), 8021 (BTEX), TITLE 22 / CAM 17 (6010 / 7000), 9141 - Rest, 8151 - Herb, 9045 C - pH, 6010 B - Total Lead

SPECIFY APPROPRIATE MATRIX: SOIL, WATER, GROUND WATER, WASTEWATER

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A	8082	8260B	8270C	6010B	8015B (GRO)	8015B (DRO)	8021	TITLE 22	9141	8151	9045 C	6010 B	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	083252-011	ISNB-MIS-HA163-0.3	3/23	13:15											X	X	X	X				E	1	J G	C	
	-012	ISNB-MIS-HA164-0.3	"	13:30												X		X					1			
	-013	ISNB-MIS-HA165-1.0	"	13:40												X		X					1			
	-014	ISNB-MIS-HA166-0.3	"	14:00												X		X					1			HA166
	-015	ISNB-H78-HA167-0.3	"	14:15												X		X					1			
	-016	Equip-HA-032306	"	14:45												X			X				1	P P	N	

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

May 11, 2006

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 083252

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

RE: Caltrans I-5, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on March 27, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: *11-May-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5NB-OSD-HA154-0.6
Lab Order:	083252	**Tag Number:**	
Project:	Caltrans I-5, 105812001	**Collection Date:**	3/23/2006 9:42:00 AM
Lab ID:	083252-002A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
LEAD BY ATOMIC ABSORPTION						
			WET DI/ EPA 7420			
RunID: AA2_060508D	QC Batch: R63076			PrepDate:		Analyst: **NS**
Lead	ND	0.25		mg/L	1	5/8/2006
LEAD BY ATOMIC ABSORPTION						
			WET/ EPA 7420			
RunID: AA2_060508G	QC Batch: R63093			PrepDate:		Analyst: **NS**
Lead	4.0	0.25		mg/L	1	5/8/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Date: *11-May-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5NB-OSD-HA155-0.3
Lab Order:	083252	**Tag Number:**	
Project:	Caltrans I-5, 105812001	**Collection Date:**	3/23/2006 9:50:00 AM
Lab ID:	083252-003A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
LEAD BY ATOMIC ABSORPTION						
			WET DI/ EPA 7420			
RunID: AA2_060508D	QC Batch: R63076			PrepDate:		Analyst: **NS**
Lead	ND	0.25		mg/L	1	5/8/2006
LEAD BY ATOMIC ABSORPTION						
			WET/ EPA 7420			
RunID: AA2_060508G	QC Batch: R63093			PrepDate:		Analyst: **NS**
Lead	7.8	0.25		mg/L	1	5/8/2006
LEAD BY ATOMIC ABSORPTION						
	EPA 3010A		**EPA 1311/ 7420**			
RunID: AA2_060508B	QC Batch: 27895			PrepDate:	5/5/2006	Analyst: **NS**
Lead	ND	1.2		mg/L	1	5/8/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Date: *11-May-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5NB-OSD-HA156-0.3
Lab Order:	083252	**Tag Number:**	
Project:	Caltrans I-5, 105812001	**Collection Date:**	3/23/2006 10:05:00 AM
Lab ID:	083252-004A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
LEAD BY ATOMIC ABSORPTION						
			WET DI/ EPA 7420			
RunID: AA2_060508D	QC Batch: R63076			PrepDate:		Analyst: **NS**
Lead	ND	0.25		mg/L	1	5/8/2006
LEAD BY ATOMIC ABSORPTION						
			WET/ EPA 7420			
RunID: AA2_060508G	QC Batch: R63093			PrepDate:		Analyst: **NS**
Lead	4.1	0.25		mg/L	1	5/8/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Date: *11-May-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5NB-OSD-HA157-0.3
Lab Order:	083252	**Tag Number:**	
Project:	Caltrans I-5, 105812001	**Collection Date:**	3/23/2006 10:30:00 AM
Lab ID:	083252-005A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
LEAD BY ATOMIC ABSORPTION						
			WET DI/ EPA 7420			
RunID: AA2_060508D	QC Batch: R63076			PrepDate:		Analyst: **NS**
Lead	0.61	0.25		mg/L	1	5/8/2006
LEAD BY ATOMIC ABSORPTION						
			WET/ EPA 7420			
RunID: AA2_060508G	QC Batch: R63093			PrepDate:		Analyst: **NS**
Lead	9.4	0.25		mg/L	1	5/8/2006
LEAD BY ATOMIC ABSORPTION						
	EPA 3010A		**EPA 1311/ 7420**			
RunID: AA2_060508B	QC Batch: 27895			PrepDate:	5/5/2006	Analyst: **NS**
Lead	ND	1.2		mg/L	1	5/8/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *11-May-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5NB-OSD-HA160-0.3
Lab Order:	083252	**Tag Number:**	
Project:	Caltrans I-5, 105812001	**Collection Date:**	3/23/2006 11:10:00 AM
Lab ID:	083252-008A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
LEAD BY ATOMIC ABSORPTION						
			WET DI/ EPA 7420			
RunID: AA2_060508D	QC Batch: R63076			PrepDate:		Analyst: **NS**
Lead	ND	0.25		mg/L	1	5/8/2006
LEAD BY ATOMIC ABSORPTION						
			WET/ EPA 7420			
RunID: AA2_060508G	QC Batch: R63093			PrepDate:		Analyst: **NS**
Lead	3.0	0.25		mg/L	1	5/8/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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Date: *11-May-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5NB-MIS-HA162-0.3
Lab Order:	083252	**Tag Number:**	
Project:	Caltrans I-5, 105812001	**Collection Date:**	3/23/2006 11:50:00 AM
Lab ID:	083252-010A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
LEAD BY ATOMIC ABSORPTION						
			WET DI/ EPA 7420			
RunID: AA2_060508D	QC Batch: R63076			PrepDate:		Analyst: **NS**
Lead	2.1	0.25		mg/L	1	5/8/2006
LEAD BY ATOMIC ABSORPTION						
			WET/ EPA 7420			
RunID: AA2_060508G	QC Batch: R63093			PrepDate:		Analyst: **NS**
Lead	31	1.2		mg/L	5	5/8/2006
LEAD BY ATOMIC ABSORPTION						
EPA 3010A			**EPA 1311/ 7420**			
RunID: AA2_060508B	QC Batch: 27895			PrepDate:	5/5/2006	Analyst: **NS**
Lead	ND	1.2		mg/L	1	5/8/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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Date: *11-May-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5NB-MIS-HA163-0.3
Lab Order:	083252	**Tag Number:**	
Project:	Caltrans I-5, 105812001	**Collection Date:**	3/23/2006 1:15:00 PM
Lab ID:	083252-011A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
LEAD BY ATOMIC ABSORPTION						
			WET DI/ EPA 7420			
RunID: AA2_060508E	QC Batch: R63078			PrepDate:		Analyst: **NS**
Lead	2.3	0.25		mg/L	1	5/8/2006
LEAD BY ATOMIC ABSORPTION						
			WET/ EPA 7420			
RunID: AA2_060508G	QC Batch: R63093			PrepDate:		Analyst: **NS**
Lead	19	0.50		mg/L	2	5/8/2006
LEAD BY ATOMIC ABSORPTION						
	EPA 3010A		**EPA 1311/ 7420**			
RunID: AA2_060508B	QC Batch: 27895			PrepDate:	5/5/2006	Analyst: **NS**
Lead	ND	1.2		mg/L	1	5/8/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *11-May-06*

CLIENT: Ninyo & Moore
Work Order: 083252
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID: **083019-012A-DUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **ZZZZZZ** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932882**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25						0	0	20	

Sample ID: **083019-012AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **ZZZZZZ** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932883**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.37	0.25	5.000	0	107	70	130				

Sample ID: **MB-27867B** SampType: **MBLK** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **PBS** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932884**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **MB-27867** SampType: **MBLK** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **PBS** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932892**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **083252-010A-DUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **I5NB-MIS-HA162-0.3** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932896**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.55	0.25						2.130	17.8	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083252
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID: **083252-010AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **I5NB-MIS-HA162-0.3** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932897**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.21	0.25	5.000	2.130	102	70	130				

Sample ID: **MB-27867A** SampType: **MBLK** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **PBS** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932899**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **LCS-27867** SampType: **LCS** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63076**
Client ID: **LCSS** Batch ID: **R63076** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932900**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.05	0.25	5.000	0	101	80	120				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083252
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID: **MB-27868** SampType: **MBLK** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **PBS** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932905**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **MB-27868A** SampType: **MBLK** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **PBS** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932906**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **LCS-27868** SampType: **LCS** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **LCSS** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932907**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.07	0.25	5.000	0	101	80	120				

Sample ID: **083679-013A-DUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **ZZZZZZ** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932918**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25						0	0	20	

Sample ID: **083679-013AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **ZZZZZZ** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932919**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.22	0.25	5.000	0	104	70	130				

Sample ID: **MB-27868B** SampType: **MBLK** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **PBS** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932920**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
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Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID: **MB-27868B** SampType: **MBLK** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **PBS** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932920**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **083679-024A-DUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **ZZZZZZ** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932922**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.22	0.25						0.5146	0	20	

Sample ID: **083679-024AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **ZZZZZZ** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932923**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.79	0.25	5.000	0.5146	106	70	130				

Sample ID: **083679-024AMSD** SampType: **MSD** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **ZZZZZZ** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932924**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.68	0.25	5.000	0.5146	103	70	130	5.790	1.86	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083252
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **MB-27903** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **PBS** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933192**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **MB-27903A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **PBS** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933193**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **LCS-27903** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **LCSS** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933194**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.98	0.25	5.000	0	99.6	80	120				

Sample ID: **083253-008A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **ZZZZZZ** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933205**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.99	0.25						6.232	44.0	20	R

Sample ID: **083253-008AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **ZZZZZZ** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933206**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	10.92	0.50	5.000	6.232	93.8	70	130				

Sample ID: **MB-27903B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **PBS** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933207**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:
- E Value above quantitation range
- R RPD outside accepted recovery limits
- Calculations are based on raw values
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interferenc
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
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Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **MB-27903B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **PBS** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933207**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **083679-024A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **ZZZZZZ** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933215**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.60	0.25						7.582	0.218	20	

Sample ID: **083679-024AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **ZZZZZZ** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933216**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12.63	0.50	5.000	7.582	101	70	130				

Sample ID: **083679-024AMSD** SampType: **MSD** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **ZZZZZZ** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933217**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12.54	0.50	5.000	7.582	99.2	70	130	12.63	0.651	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083252
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID: **MB-27895A** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **PBS** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932819**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **MB-27889A TCLP 1** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **PBS** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932820**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	1.2									

Sample ID: **LCS-27895** SampType: **LCS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **LCSS** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932821**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.94	0.25	1.000	0	94.1	80	120				

Sample ID: **083936-001A-DUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **ZZZZZZ** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932832**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	1.2						0	0	20	

Sample ID: **083936-001A-MS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **ZZZZZZ** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932833**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12.59	1.2	12.50	0	101	70	130				

Sample ID: **MB-27895A** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **PBS** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932834**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083252
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID: **MB-27895A** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **PBS** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932834**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **MB-27889B TCLP 1** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **PBS** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932835**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	1.2									

Sample ID: **084015-002A-DUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **ZZZZZZ** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932838**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	1.2						0	0	20	

Sample ID: **084015-002A-MS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **ZZZZZZ** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932839**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	13.53	1.2	12.50	0	108	70	130				

Sample ID: **084015-002A-MSD** SampType: **MSD** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **ZZZZZZ** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932840**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	13.45	1.2	12.50	0	108	70	130	13.53	0.583	20	

Qualifiers:
- E Value above quantitation range
- R RPD outside accepted recovery limits
- Calculations are based on raw values
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interferenc
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out

Rachelle Arada

From: Scott Snyder [ssnyder@ninyoandmoore.com]
Sent: Tuesday, May 02, 2006 9:21 AM
To: Rachelle Arada
Subject: Additional analyses Part 2

Rachelle,

I need to have these samples, that you have already analyzed for total lead, analyzed for leachable lead.

WET (both using standard extractant and DI water):
I5NB-OSD-HA154-0.6
I5NB-OSD-HA155-0.3
I5NB-OSD-HA156-0.3
I5NB-OSD-HA157-0.3
I5NB-OSD-HA160-0.3
I5NB-MIS-HA162-0.3
I5NB-MIS-HA163-0.3
I5SB-VAN-HA172-0.3
I5SB-HAR-HA174-0.6
I5SB-HAR-HA175-0.6
I5SB-CSH-HA176-0.3
I5SB-CVD-HA211-0.3
I5SB-TAM-HA220-0.3
I5SB-PAC-HA239-0.3
I5SB-POI-HA250-0.3
I5SB-LOC-HA257-0.6
I5SB-SAN-HA286-0.3

TCLP:
I5NB-OSD-HA155-0.3
I5NB-OSD-HA157-0.3
I5NB-MIS-HA162-0.3
I5NB-MIS-HA163-0.3
I5SB-CVD-HA211-0.3
I5SB-TAM-HA220-0.3
I5SB-POI-HA250-0.3
I5SB-LOC-HA257-0.6
I5SB-SAN-HA286-0.3

Please call if you have questions.

Thanks,
Scott

Scott Snyder, PG, HG
Senior Hydrogeologist
Ninyo & Moore
5710 Ruffin Road
San Diego, California 92122
858.576.1000 x1255

April 06, 2006

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 083253

RE: CALTRANS I-5, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on March 27, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

for Eddie Rodriguez

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: *06-Apr-06*

CLIENT: Ninyo & Moore
Project: CALTRANS I-5, 105812001
Lab Order: 083253
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
083253-001A	I5NB-CPD-HA168-0.3	Soil	3/24/2006	3/27/2006	4/6/2006
083253-002A	I5NB-CPD-HA169-1.0	Soil	3/24/2006	3/27/2006	4/6/2006
083253-003A	I5NB-VAN-HA170-0.6	Soil	3/24/2006	3/27/2006	4/6/2006
083253-004A	I5NB-VAN-HA171-0.3	Soil	3/24/2006	3/27/2006	4/6/2006
083253-005A	I5SB-VAN-HA172-0.3	Soil	3/24/2006	3/27/2006	4/6/2006
083253-006A	I5SB-HAR-HA173-1.4	Soil	3/24/2006	3/27/2006	4/6/2006
083253-007A	I5SB-HAR-HA174-0.6	Soil	3/24/2006	3/27/2006	4/6/2006
083253-008A	I5SB-HAR-HA175-0.6	Soil	3/24/2006	3/27/2006	4/6/2006
083253-009A	I5SB-CSH-HA176-0.3	Soil	3/24/2006	3/27/2006	4/6/2006
083253-010A	I5SB-CSH-HA177-1.0	Soil	3/24/2006	3/27/2006	4/6/2006
083253-011A	I5SB-CSH-HA178-0.3	Soil	3/24/2006	3/27/2006	4/6/2006
083253-012A	I5SB-CSH-HA179-1.0	Soil	3/24/2006	3/27/2006	4/6/2006
083253-013A	I5SB-CSH-HA180-0.3	Soil	3/24/2006	3/27/2006	4/6/2006
083253-014A	Equip-HA-032406	Water	3/24/2006	3/27/2006	4/6/2006

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

CASE NARRATIVE

Analytical Comments for EPA 6010B

RPD for Sample Duplicate (DUP) is outside criteria for sample 083252-010ADUP; however, the Laboratory Control Sample (LCS) validated the analytical batch.

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Date: 4/6/2006

LEAD BY ICP
EPA 6010B

CLIENT:	Ninyo & Moore	**Lab Order:**	083253
Project:	CALTRANS I-5, 105812001	**Date Received**	3/27/2006 7:10:00 PM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
083253-001A	5NB-CPD-HA168-0.:	15	mg/Kg	27383	1.0	1	3/24/2006	3/30/2006
083253-002A	5NB-CPD-HA169-1.(	1.8	mg/Kg	27383	1.0	1	3/24/2006	3/30/2006
083253-003A	5NB-VAN-HA170-0.(	7.1	mg/Kg	27383	1.0	1	3/24/2006	3/30/2006
083253-004A	5NB-VAN-HA171-0.:	14	mg/Kg	27383	1.0	1	3/24/2006	3/30/2006
083253-005A	5SB-VAN-HA172-0.:	50	mg/Kg	27383	1.0	1	3/24/2006	3/30/2006
083253-006A	5SB-HAR-HA173-1.4	2.7	mg/Kg	27384	1.0	1	3/24/2006	3/30/2006
083253-007A	5SB-HAR-HA174-0.(	70	mg/Kg	27384	1.0	1	3/24/2006	3/30/2006
083253-008A	5SB-HAR-HA175-0.(	81	mg/Kg	27384	1.0	1	3/24/2006	3/30/2006
083253-009A	5SB-CSH-HA176-0.:	62	mg/Kg	27384	1.0	1	3/24/2006	3/30/2006
083253-010A	5SB-CSH-HA177-1.(	3.2	mg/Kg	27384	1.0	1	3/24/2006	3/30/2006
083253-011A	5SB-CSH-HA178-0.:	15	mg/Kg	27384	1.0	1	3/24/2006	3/30/2006
083253-012A	5SB-CSH-HA179-1.(	1.9	mg/Kg	27384	1.0	1	3/24/2006	3/30/2006
083253-013A	5SB-CSH-HA180-0.:	9.2	mg/Kg	27384	1.0	1	3/24/2006	3/30/2006

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Date: 4/6/2006

LEAD BY ICP
EPA 6010B

CLIENT:	Ninyo & Moore	**Lab Order:**	083253
Project:	CALTRANS I-5, 105812001	**Date Received**	3/27/2006 7:10:00 PM
Project No:		**Matrix:**	Water
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
083253-014A	Equip-HA-032406	ND	mg/L	27376	0.25	1	3/24/2006	3/30/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/6/2006

pH
EPA 9045C

CLIENT:	Ninyo & Moore	**Lab Order:**	083253
Project:	CALTRANS I-5, 105812001	**Date Received**	3/27/2006 7:10:00 PM
Project No:		**Matrix:**	Soil
Analyte:	pH	**Analyst:**	RSJ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
083253-001A	5NB-CPD-HA168-0.:	7.5	pH Units	R61278	0.10	1	3/24/2006	3/28/2006
083253-011A	I5SB-CSH-HA178-0.:	7.0	pH Units	R61278	0.10	1	3/24/2006	3/28/2006

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083253
Project: CALTRANS I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **MB-27383A** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/30/2006** RunNo: **61409**
Client ID: **PBS** Batch ID: **27383** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/30/2006** SeqNo: **909160**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID: **LCS-27383** SampType: **LCS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/30/2006** RunNo: **61409**
Client ID: **LCSS** Batch ID: **27383** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/30/2006** SeqNo: **909161**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	250	1.0	250.0	0	101	80	120				

Sample ID: **083252-010AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/30/2006** RunNo: **61409**
Client ID: **ZZZZZZ** Batch ID: **27383** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/30/2006** SeqNo: **909173**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	520	1.0	250.0	249.2	109	31	122				

Sample ID: **MB-27383B** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/30/2006** RunNo: **61409**
Client ID: **PBS** Batch ID: **27383** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/30/2006** SeqNo: **909174**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID: **083253-005AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/30/2006** RunNo: **61409**
Client ID: **I5SB-VAN-HA172-0.3** Batch ID: **27383** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/30/2006** SeqNo: **909186**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	270	1.0	250.0	50.07	87.1	31	122				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083253
Project: CALTRANS I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **MB-27384A** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/30/2006** RunNo: **61410**
Client ID: **PBS** Batch ID: **27384** TestNo: **EPA 6010B EPA 3050M** Analysis Date: **3/30/2006** SeqNo: **909188**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID: **LCS-27384** SampType: **LCS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/30/2006** RunNo: **61410**
Client ID: **LCSS** Batch ID: **27384** TestNo: **EPA 6010B EPA 3050M** Analysis Date: **3/30/2006** SeqNo: **909189**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	270	1.0	250.0	0	109	80	120				

Sample ID: **083254-003AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/30/2006** RunNo: **61410**
Client ID: **ZZZZZZ** Batch ID: **27384** TestNo: **EPA 6010B EPA 3050M** Analysis Date: **3/30/2006** SeqNo: **909201**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	220	1.0	250.0	2.540	85.8	31	122				

Sample ID: **MB-27384B** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/30/2006** RunNo: **61410**
Client ID: **PBS** Batch ID: **27384** TestNo: **EPA 6010B EPA 3050M** Analysis Date: **3/30/2006** SeqNo: **909202**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID: **083254-013AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/30/2006** RunNo: **61410**
Client ID: **ZZZZZZ** Batch ID: **27384** TestNo: **EPA 6010B EPA 3050M** Analysis Date: **3/31/2006** SeqNo: **909214**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	210	1.0	250.0	2.015	82.4	31	122				

Sample ID: **083254-013AMSD** SampType: **MSD** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/30/2006** RunNo: **61410**
Client ID: **ZZZZZZ** Batch ID: **27384** TestNo: **EPA 6010B EPA 3050M** Analysis Date: **3/31/2006** SeqNo: **909215**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083253
Project: CALTRANS I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **083254-013AMSD** SampType: **MSD** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/30/2006** RunNo: **61410**
Client ID: **ZZZZZZ** Batch ID: **27384** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/31/2006** SeqNo: **909215**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	210	1.0	250.0	2.015	83.5	31	122	208.1	1.23	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083253
Project: CALTRANS I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_WPB

Sample ID: **MB-27376** SampType: **MBLK** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/29/2006** RunNo: **61386**
Client ID: **PBW** Batch ID: **27376** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/30/2006** SeqNo: **908937**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-27376** SampType: **LCS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/29/2006** RunNo: **61386**
Client ID: **LCSW** Batch ID: **27376** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/30/2006** SeqNo: **908938**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.0	0.25	1.000	0	100	85	115				

Sample ID: **083257-007AMS** SampType: **MS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/29/2006** RunNo: **61386**
Client ID: **ZZZZZZ** Batch ID: **27376** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/30/2006** SeqNo: **908944**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.5	0.25	2.500	0	98.9	78	118				

Sample ID: **083257-007AMSD** SampType: **MSD** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/29/2006** RunNo: **61386**
Client ID: **ZZZZZZ** Batch ID: **27376** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/30/2006** SeqNo: **908945**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.5	0.25	2.500	0	100	78	118	2.473	1.28	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

3-24-06 - Friday

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: Date: 3/27/06

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other:

Sample Condition Upon Receipt: 1. CHILLED Y☑ N☐ 2. HEADSPACE (VOA) Y☐ N☐ 3. CONTAINER INTACT Y☑ N☐ 4. SEALED Y☐ N☑ 5. # OF SPLS MATCH COC Y☑ N☐ 6. PRESERVED Y☐ N☑

Client: NINYO AND MOORE
Attn: SCOTT SNYDER
Address: 5710 RUFFIN RD
City SAN DIEGO State CA Zip Code 92123
TEL: (858) 576-1000
FAX: ( )

Project Name: CALTRANS I-5 EXPANSION
Project #: 105812001
Sampler: (Printed Name) ANDREW LASHOMB (Signature)

Relinquished by: (Signature and Printed Name) ANDREW LASHOMB Date: 3/24/06 Time:
Received by: (Signature and Printed Name) Date: 3-27-06 Time: 4:30p
Relinquished by: (Signature and Printed Name) Date: 3-27-06 Time: 7:05p
Received by: (Signature and Printed Name) Date: 3/27/06 Time: 1905
Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: ANDREW LASHOMB 3/24/06 (Print Name, Date)
Signature

Send Report To:
Attn: SCOTT SNYDER
Co: NINYO AND MOORE
Address 5710 RUFFIN RD.
City SAN DIEGO State CA Zip 92123

Bill To:
Attn: SEE INFO
Co:
Address
City State Zip

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested: 8081A (Pesticides), 8082 (PCB), 8260B (Volatiles), 8270C (BNA), 6010B (Total Metal), 8015B (GRO) / 8020 (BTEX), 8015B (DRO), 8021 (BTEX), TITLE 22 / CAM 17 (6010 / 7000), 8141 - PESTICIDES, 8151 - HERBICIDES, 90456 - pH, 6010B - TOTAL LEAD

SPECIFY APPROPRIATE MATRIX: SOIL, WATER, GROUND WATER, WASTEWATER

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ___ OTHER ___

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A	8082	8260B	8270C	6010B	8015B (GRO) / 8020	8015B (DRO)	8021	TITLE 22 / CAM 17	8141	8151	90456	6010B	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Type	PRESERVATION	REMARKS
	083253-001	ISNB-CPD-HA168-0.3	3/24	9:58											X	X	X	X				E	1	J G	C	
	-002	ISNB-CPD-HA169-1.0	"	10:15												X	X	X					1			
	-003	ISNB-VAN-HA170-0.6	"	10:30												X	X	X					1			
	-004	ISNB-VAN-HA171-0.3	"	10:47												X	X	X					1			
	-005	ISSB-VAN-HA172 0.3	"	11:15												X	X	X					1			
	-006	ISSB-HAR-HA173-1.4	"	11:35												X	X	X					1			
	-007	ISSB-HAR-HA174-0.6	"	11:50												X	X	X					1			174
	-008	ISSB-HAR-HA175-0.6	"	13:10												X	X	X					1			175
	-009	ISSB-CSH-HA176-0.3	"	13:25												X	X	X					1			
	-010	ISSB-CSH-HA177-1.0	"	13:40												X	X	X					1			

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

3-24-06 - FRIDAY

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:
Logged By: Date: 3/27/06

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other:

Sample Condition Upon Receipt:
1. CHILLED Y☑ N☐ 4. SEALED Y☐ N☑
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☑ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☑ N☐

Client: NINYO AND MOORE
Attn: SCOTT SNYDER
Address: 5710 RUFFIN RD
City SAN DIEGO State CA Zip Code 92123
TEL: (858) 576-1000
FAX: ( )

Project Name: CALTRANS I-5
Project #: 1058126 01
Sampler: (Printed Name) ANDREW LASHOMB (Signature)

Relinquished by: (Signature and Printed Name) Andrew Lashomb	Date: 3/24/06	Time:	Received by: (Signature and Printed Name)	Date: 3-27-06	Time: 4:30p
Relinquished by: (Signature and Printed Name)	Date: 3-27-06	Time: 2:05p	Received by: (Signature and Printed Name)	Date: 3/27/06	Time: 1905
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: ANDREW LASHOMB 3/24/06 (Print Name, Date)
Signature

Send Report To: Attn: NINYO AND MOORE Co: SCOTT SNYDER Address 5710 RUFFIN RD City SAN DIEGO State CA Zip 92123

Bill To: Attn: SEE INFO Co: Address City State Zip

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.
Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	8141 - Pesticides	8151 - Herbicides	9045C - pH	6010B Total Lead	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	033253-011	I5SB-CSH-HA178-0.3	3/24	13:56										X	X		X					E	1	J G	C	
	-012	I5SB-CSH-HA179-1.0	"	14:15											X		X					E	1	J G	C	
	-013	I5SB-CSH-HA180-0.3	"	14:25											X		X					E	1	J G	C	
	-014	Equip - HA-MW 032406	"	15:00											X			X				E	1	P P	N	

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=Na_2S_2O

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

May 11, 2006

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 083253

RE: CALTRANS I-5, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on March 27, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: *11-May-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5SB-VAN-HA172-0.3
Lab Order:	083253	**Tag Number:**	
Project:	CALTRANS I-5, 105812001	**Collection Date:**	3/24/2006 11:15:00 AM
Lab ID:	083253-005A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
LEAD BY ATOMIC ABSORPTION						
			WET DI/ EPA 7420			
RunID: AA2_060508E	QC Batch: R63078			PrepDate:		Analyst: **NS**
Lead	ND	0.25		mg/L	1	5/8/2006
LEAD BY ATOMIC ABSORPTION						
			WET/ EPA 7420			
RunID: AA2_060508G	QC Batch: R63093			PrepDate:		Analyst: **NS**
Lead	3.2	0.25		mg/L	1	5/8/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Date: *11-May-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5SB-HAR-HA174-0.6
Lab Order:	083253	**Tag Number:**	
Project:	CALTRANS I-5, 105812001	**Collection Date:**	3/24/2006 11:50:00 AM
Lab ID:	083253-007A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
LEAD BY ATOMIC ABSORPTION						
			WET DI/ EPA 7420			
RunID: AA2_060508E	QC Batch: R63078			PrepDate:		Analyst: **NS**
Lead	ND	0.25		mg/L	1	5/8/2006
LEAD BY ATOMIC ABSORPTION						
			WET/ EPA 7420			
RunID: AA2_060508G	QC Batch: R63093			PrepDate:		Analyst: **NS**
Lead	3.8	0.25		mg/L	1	5/8/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Date: *11-May-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5SB-HAR-HA175-0.6
Lab Order:	083253	**Tag Number:**	
Project:	CALTRANS I-5, 105812001	**Collection Date:**	3/24/2006 1:10:00 PM
Lab ID:	083253-008A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
LEAD BY ATOMIC ABSORPTION						
			WET DI/ EPA 7420			
RunID: AA2_060508E	QC Batch: R63078			PrepDate:		Analyst: **NS**
Lead	ND	0.25		mg/L	1	5/8/2006
LEAD BY ATOMIC ABSORPTION						
			WET/ EPA 7420			
RunID: AA2_060508G	QC Batch: R63093			PrepDate:		Analyst: **NS**
Lead	6.2	0.25		mg/L	1	5/8/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Date: *11-May-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5SB-CSH-HA176-0.3
Lab Order:	083253	**Tag Number:**	
Project:	CALTRANS I-5, 105812001	**Collection Date:**	3/24/2006 1:25:00 PM
Lab ID:	083253-009A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
LEAD BY ATOMIC ABSORPTION						
			WET DI/ EPA 7420			
RunID: AA2_060508E	QC Batch: R63078			PrepDate:		Analyst: **NS**
Lead	ND	0.25		mg/L	1	5/8/2006
LEAD BY ATOMIC ABSORPTION						
			WET/ EPA 7420			
RunID: AA2_060508G	QC Batch: R63093			PrepDate:		Analyst: **NS**
Lead	4.0	0.25		mg/L	1	5/8/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *11-May-06*

CLIENT: Ninyo & Moore
Work Order: 083253
Project: CALTRANS I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID: **MB-27868** SampType: **MBLK** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **PBS** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932905**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **MB-27868A** SampType: **MBLK** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **PBS** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932906**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **LCS-27868** SampType: **LCS** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **LCSS** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932907**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.07	0.25	5.000	0	101	80	120				

Sample ID: **083679-013A-DUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **ZZZZZZ** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932918**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25						0	0	20	

Sample ID: **083679-013AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **ZZZZZZ** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932919**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.22	0.25	5.000	0	104	70	130				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083253
Project: CALTRANS I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID: **MB-27868B** SampType: **MBLK** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **PBS** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932920**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **083679-024A-DUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **ZZZZZZ** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932922**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.22	0.25						0.5146	0	20	

Sample ID: **083679-024AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **ZZZZZZ** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932923**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.79	0.25	5.000	0.5146	106	70	130				

Sample ID: **083679-024AMSD** SampType: **MSD** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **ZZZZZZ** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932924**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.68	0.25	5.000	0.5146	103	70	130	5.790	1.86	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083253
Project: CALTRANS I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **MB-27903** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **PBS** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933192**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **MB-27903A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **PBS** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933193**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **LCS-27903** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **LCSS** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933194**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.98	0.25	5.000	0	99.6	80	120				

Sample ID: **083253-008A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **I5SB-HAR-HA175-0.** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933205**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.99	0.25						6.232	44.0	20	R

Sample ID: **083253-008AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **I5SB-HAR-HA175-0.** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933206**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	10.92	0.50	5.000	6.232	93.8	70	130				

Sample ID: **MB-27903B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **PBS** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933207**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:
- E Value above quantitation range
- R RPD outside accepted recovery limits
- Calculations are based on raw values
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interferenc
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083253
Project: CALTRANS I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **MB-27903B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **PBS** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933207**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **083679-024A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **ZZZZZZ** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933215**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.60	0.25						7.582	0.218	20	

Sample ID: **083679-024AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **ZZZZZZ** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933216**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12.63	0.50	5.000	7.582	101	70	130				

Sample ID: **083679-024AMSD** SampType: **MSD** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **ZZZZZZ** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933217**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12.54	0.50	5.000	7.582	99.2	70	130	12.63	0.651	20	

Qualifiers:
- E Value above quantitation range
- R RPD outside accepted recovery limits
- Calculations are based on raw values
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interferenc
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out

Rachelle Arada

From: Scott Snyder [ssnyder@ninyoandmoore.com]
Sent: Tuesday, May 02, 2006 9:21 AM
To: Rachelle Arada
Subject: Additional analyses Part 2

Rachelle,

I need to have these samples, that you have already analyzed for total lead, analyzed for leachable lead.

WET (both using standard extractant and DI water):
I5NB-OSD-HA154-0.6
I5NB-OSD-HA155-0.3
I5NB-OSD-HA156-0.3
I5NB-OSD-HA157-0.3
I5NB-OSD-HA160-0.3
I5NB-MIS-HA162-0.3
I5NB-MIS-HA163-0.3
I5SB-VAN-HA172-0.3
I5SB-HAR-HA174-0.6
I5SB-HAR-HA175-0.6
I5SB-CSH-HA176-0.3
I5SB-CVD-HA211-0.3
I5SB-TAM-HA220-0.3
I5SB-PAC-HA239-0.3
I5SB-POI-HA250-0.3
I5SB-LOC-HA257-0.6
I5SB-SAN-HA286-0.3

TCLP:
I5NB-OSD-HA155-0.3
I5NB-OSD-HA157-0.3
I5NB-MIS-HA162-0.3
I5NB-MIS-HA163-0.3
I5SB-CVD-HA211-0.3
I5SB-TAM-HA220-0.3
I5SB-POI-HA250-0.3
I5SB-LOC-HA257-0.6
I5SB-SAN-HA286-0.3

Please call if you have questions.

Thanks,
Scott

Scott Snyder, PG, HG
Senior Hydrogeologist
Ninyo & Moore
5710 Ruffin Road
San Diego, California 92122
858.576.1000 x1255

April 06, 2006

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 083254

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

RE: CALTRANS I-5, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on March 27, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

for

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: *06-Apr-06*

CLIENT: Ninyo & Moore
Project: CALTRANS I-5, 105812001
Lab Order: 083254
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
083254-001A	I5SB-MIS-HA181-0.3	Soil	3/27/2006	3/27/2006	4/6/2006
083254-002A	I5SB-MIS-HA182-1.4	Soil	3/27/2006	3/27/2006	4/6/2006
083254-003A	I5SB-MIS-HA183-0.6	Soil	3/27/2006	3/27/2006	4/6/2006
083254-004A	I5SB-MIS-HA184-0.6	Soil	3/27/2006	3/27/2006	4/6/2006
083254-005A	I5SB-MIS-HA185-0.3	Soil	3/27/2006	3/27/2006	4/6/2006
083254-006A	I5SB-MIS-HA186-0.6	Soil	3/27/2006	3/27/2006	4/6/2006
083254-007A	I5SB-MIS-HA187-0.3	Soil	3/27/2006	3/27/2006	4/6/2006
083254-008A	I5SB-MIS-HA188-0.6	Soil	3/27/2006	3/27/2006	4/6/2006
083254-009A	I5SB-MIS-HA189-0.3	Soil	3/27/2006	3/27/2006	4/6/2006
083254-010A	I5SB-MIS-HA190-1.0	Soil	3/27/2006	3/27/2006	4/6/2006
083254-011A	I5SB-MIS-HA191-1.0	Soil	3/27/2006	3/27/2006	4/6/2006
083254-012A	I5SB-MIS-HA192-0.6	Soil	3/27/2006	3/27/2006	4/6/2006
083254-013A	I5SB-MIS-HA193-1.0	Soil	3/27/2006	3/27/2006	4/6/2006
083254-014A	I5SB-MIS-HA194-0.3	Soil	3/27/2006	3/27/2006	4/6/2006
083254-015A	I5SB-MIS-HA195-0.6	Soil	3/27/2006	3/27/2006	4/6/2006
083254-016A	I5SB-CAS-HA196-0.3	Soil	3/27/2006	3/27/2006	4/6/2006
083254-017A	Equip-HA-032706	Water	3/27/2006	3/27/2006	4/6/2006

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CASE NARRATIVE

Analytical Comments for EPA 6010B

RPD for Sample Duplicate (DUP) is outside criteria for sample 083254-016ADUP; however, the Laboratory Control Sample (LCS) validated the analytical batch.

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Date: 4/6/2006

LEAD BY ICP
EPA 6010B

CLIENT:	Ninyo & Moore	**Lab Order:**	083254
Project:	CALTRANS I-5, 105812001	**Date Received**	3/27/2006 7:10:00 PM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
083254-001A	I5SB-MIS-HA181-0.3	13	mg/Kg	27384	1.0	1	3/27/2006	3/30/2006
083254-003A	I5SB-MIS-HA183-0.6	2.5	mg/Kg	27384	1.0	1	3/27/2006	3/30/2006
083254-004A	I5SB-MIS-HA184-0.6	4.0	mg/Kg	27384	1.0	1	3/27/2006	3/30/2006
083254-005A	I5SB-MIS-HA185-0.3	3.0	mg/Kg	27384	1.0	1	3/27/2006	3/30/2006
083254-006A	I5SB-MIS-HA186-0.6	6.4	mg/Kg	27384	1.0	1	3/27/2006	3/30/2006
083254-007A	I5SB-MIS-HA187-0.3	28	mg/Kg	27384	1.0	1	3/27/2006	3/30/2006
083254-008A	I5SB-MIS-HA188-0.6	6.6	mg/Kg	27384	1.0	1	3/27/2006	3/30/2006
083254-009A	I5SB-MIS-HA189-0.3	5.7	mg/Kg	27384	1.0	1	3/27/2006	3/30/2006
083254-010A	I5SB-MIS-HA190-1.0	3.3	mg/Kg	27384	1.0	1	3/27/2006	3/30/2006
083254-011A	I5SB-MIS-HA191-1.0	2.0	mg/Kg	27384	1.0	1	3/27/2006	3/30/2006
083254-012A	I5SB-MIS-HA192-0.6	37	mg/Kg	27384	1.0	1	3/27/2006	3/30/2006
083254-013A	I5SB-MIS-HA193-1.0	2.0	mg/Kg	27384	1.0	1	3/27/2006	3/30/2006
083254-014A	I5SB-MIS-HA194-0.3	15	mg/Kg	27385	1.0	1	3/27/2006	3/31/2006
083254-015A	I5SB-MIS-HA195-0.6	2.1	mg/Kg	27385	1.0	1	3/27/2006	3/31/2006
083254-016A	I5SB-CAS-HA196-0.3	32	mg/Kg	27385	1.0	1	3/27/2006	3/31/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/6/2006

LEAD BY ICP
EPA 6010B

CLIENT:	Ninyo & Moore	**Lab Order:**	083254
Project:	CALTRANS I-5, 105812001	**Date Received**	3/27/2006 7:10:00 PM
Project No:		**Matrix:**	Water
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
083254-017A	Equip-HA-032706	ND	mg/L	27376	0.25	1	3/27/2006	3/30/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/6/2006

pH
EPA 9045C

CLIENT:	Ninyo & Moore	**Lab Order:**	083254
Project:	CALTRANS I-5, 105812001	**Date Received**	3/27/2006 7:10:00 PM
Project No:		**Matrix:**	Soil
Analyte:	pH	**Analyst:**	RSJ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
083254-001A	I5SB-MIS-HA181-0.3	8.5	pH Units	R61278	0.10	1	3/27/2006	3/28/2006
083254-011A	I5SB-MIS-HA191-1.0	8.4	pH Units	R61278	0.10	1	3/27/2006	3/28/2006

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083254
Project: CALTRANS I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **MB-27384A** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/30/2006** RunNo: **61410**
Client ID: **PBS** Batch ID: **27384** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/30/2006** SeqNo: **909188**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID: **LCS-27384** SampType: **LCS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/30/2006** RunNo: **61410**
Client ID: **LCSS** Batch ID: **27384** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/30/2006** SeqNo: **909189**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	270	1.0	250.0	0	109	80	120				

Sample ID: **083254-003ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/30/2006** RunNo: **61410**
Client ID: **I5SB-MIS-HA183-0.6** Batch ID: **27384** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/30/2006** SeqNo: **909200**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.7	1.0						2.540	5.55	20	

Sample ID: **083254-003AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/30/2006** RunNo: **61410**
Client ID: **I5SB-MIS-HA183-0.6** Batch ID: **27384** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/30/2006** SeqNo: **909201**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	220	1.0	250.0	2.540	85.8	31	122				

Sample ID: **MB-27384B** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/30/2006** RunNo: **61410**
Client ID: **PBS** Batch ID: **27384** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/30/2006** SeqNo: **909202**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083254
Project: CALTRANS I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **083254-013ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/30/2006** RunNo: **61410**
Client ID: **I5SB-MIS-HA193-1.0** Batch ID: **27384** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/31/2006** SeqNo: **909213**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.7	1.0						2.015	17.5	20	

Sample ID: **083254-013AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/30/2006** RunNo: **61410**
Client ID: **I5SB-MIS-HA193-1.0** Batch ID: **27384** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/31/2006** SeqNo: **909214**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	210	1.0	250.0	2.015	82.4	31	122				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083254
Project: CALTRANS I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **MB-27385A** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/30/2006** RunNo: **61411**
Client ID: **PBS** Batch ID: **27385** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/31/2006** SeqNo: **909216**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID: **LCS-27385** SampType: **LCS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/30/2006** RunNo: **61411**
Client ID: **LCSS** Batch ID: **27385** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/31/2006** SeqNo: **909217**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	260	1.0	250.0	0	102	80	120				

Sample ID: **083254-016ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/30/2006** RunNo: **61411**
Client ID: **I5SB-CAS-HA196-0.3** Batch ID: **27385** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/31/2006** SeqNo: **909221**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	17	1.0						32.20	61.3	20	R

Sample ID: **083254-016AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **3/30/2006** RunNo: **61411**
Client ID: **I5SB-CAS-HA196-0.3** Batch ID: **27385** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **3/31/2006** SeqNo: **909222**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	250	1.0	250.0	32.20	88.1	31	122				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083254
Project: CALTRANS I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_WPB

Sample ID: **MB-27376** SampType: **MBLK** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/29/2006** RunNo: **61386**
Client ID: **PBW** Batch ID: **27376** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/30/2006** SeqNo: **908937**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-27376** SampType: **LCS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/29/2006** RunNo: **61386**
Client ID: **LCSW** Batch ID: **27376** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/30/2006** SeqNo: **908938**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.0	0.25	1.000	0	100	85	115				

Sample ID: **083257-007ADUP** SampType: **DUP** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/29/2006** RunNo: **61386**
Client ID: **ZZZZZZ** Batch ID: **27376** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/30/2006** SeqNo: **908943**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25						0	0	20	

Sample ID: **083257-007AMS** SampType: **MS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/29/2006** RunNo: **61386**
Client ID: **ZZZZZZ** Batch ID: **27376** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/30/2006** SeqNo: **908944**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.5	0.25	2.500	0	98.9	78	118				

Sample ID: **083257-007AMSD** SampType: **MSD** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **3/29/2006** RunNo: **61386**
Client ID: **ZZZZZZ** Batch ID: **27376** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **3/30/2006** SeqNo: **908945**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.5	0.25	2.500	0	100	78	118	2.473	1.28	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083254
Project: CALTRANS I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID: **083254-001ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: RunNo: **61278**
Client ID: **I5SB-MIS-HA181-0.3** Batch ID: **R61278** TestNo: **EPA 9045C** Analysis Date: **3/28/2006** SeqNo: **907202**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.5	0.10						8.530	0.824	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

MONDAY 3-27-06

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: Date: 3/27/06

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other:

Sample Condition Upon Receipt: 1. CHILLED Y☑ N☐ 2. HEADSPACE (VOA) Y☐ N☐ 3. CONTAINER INTACT Y☑ N☐ 4. SEALED Y☐ N☑ 5. # OF SPLS MATCH COC Y☑ N☐ 6. PRESERVED Y☑ N☐

Client: Ninyo and Moore
Attn: Scott Snyder
Address: 5710 Ruffin Rd
City San Diego State CA Zip Code 92123
TEL: (858) 576-1000
FAX: ( )

Project Name: CALTRANS I-5
Project #: 105812001
Sampler: (Printed Name) ANDREW LASHOMB (Signature)

Relinquished by: (Signature and Printed Name) Andrew Lashomb Date: 3-27-06 Time:
Received by: (Signature and Printed Name) Date: 3-27-06 Time: 4:25p
Relinquished by: (Signature and Printed Name) Date: 3-27-06 Time: 7:05p
Received by: (Signature and Printed Name) Date: 3/27/06 Time: 1905
Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Andrew Lashomb 3-27-06 (Print Name, Date)
Signature

Send Report To: Attn: Scott Snyder Co: Ninyo + Moore Address 5710 Ruffin Rd City San Diego State CA Zip 92123

Bill To: Attn: SEE Info Co: Address City State Zip

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested: 8081A (Pesticides), 8082 (PCB), 8260B (Volatiles), 8270C (BNA), 6010B (Total Metal), 8015B (GRO) / 8020 (BTEX), 8015B (DRO), 8021 (BTEX), TITLE 22 / CAM 17 (6010 / 7000), 8141 - Pesticides, 8151 - Herbicides, 9045C - pH, 6010B - Total Lead

SPECIFY APPROPRIATE MATRIX: SOIL, WATER, GROUND WATER, WASTEWATER

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A	8082	8260B	8270C	6010B	8015B	8015B	8021	TITLE 22	8141	8151	9045C	6010B	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Type	PRESERVATION	REMARKS
	083254-01	ISSB-MIS-~~HA180~~ HA181-0.3	3/27	9:40											X	X		X				E		J G	C	181
	-02	ISSB-MIS-HA182-1.4	"	10:00												X		X				"				182
	-03	ISSB-MIS-HA183-0.6	"	10:15												X		X								
	-04	ISSB-MIS-HA184-0.6	"	10:35												X		X								
	-05	ISSB-MIS-HA185-0.3	"	10:55												X		X								
	-06	ISSB-MIS-HA186-0.6	"	11:00												X		X								
	-07	ISSB-MIS-HA187-0.3	"	11:20												X		X								
	-08	ISSB-MIS-HA188-0.6	"	11:35												X		X								
	-09	ISSB-MIS-HA189-0.3	"	11:45												X		X								
	-10	ISSB-MIS-HA190-1.0	"	13:10												X		X								

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

3-27-06

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: Date: 3/27/06

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other:

Sample Condition Upon Receipt:
1. CHILLED Y☑ N☐
2. HEADSPACE (VOA) Y☐ N☐
3. CONTAINER INTACT Y☑ N☐
4. SEALED Y☐ N☑
5. # OF SPLS MATCH COC Y☑ N☐
6. PRESERVED Y☑ N☐

Client: Ninyo & Moore
Attn: Scott Snyder
Address: 5710 Ruffin Rd
City San Diego State CA Zip Code 92115
TEL: (858) 576-1000
FAX: (858) 576-9600

Project Name: Caltrans I-5 Project #: 105812001 Sampler: (Printed Name) (Signature)

Relinquished by: (Signature and Printed Name) MATT ROE Date: Time: Received by: (Signature and Printed Name) Date: 3-27-06 Time: 4:30
Relinquished by: (Signature and Printed Name) Date: 3-27-06 Time: 4:30 Received by: (Signature and Printed Name) Date: 3/27/06 Time: 1905
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: MATT ROE (Print Name) 3-27-06 (Date)
Signature

Send Report To:
Attn: Scott Snyder
Co: Ninyo & Moore
Address 5710 Ruffin Rd.
City SD State CA Zip 92115

Bill To:
Attn: see info
Co:
Address
City State Zip

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested: 8081A (Pesticides), 8082 (PCB), 8260B (Volatiles), 8270C (BNA), 8010B (Total Metal), 8015B (GRO) / 8020 (BTEX), 8015B (DRO), 8021 (BTEX), TITLE 22 / CAM 17 (6010 / 7000), 8141 - Pest, 8151 - Herb, 9045 - pH, 6010 - Total Lead

SPECIFY APPROPRIATE MATRIX: SOIL, WATER, GROUND WATER, WASTEWATER

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A	8082	8260B	8270C	8010B	8015B (GRO)	8015B (DRO)	8021	TITLE 22	8141	8151	9045	6010	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Type	PRESERVATION	REMARKS
	083254-011	ISSB-MIS-HA191-1.0	3/27	13:25											X	X		X				E	1	J	G	C
	-012	ISSB-MIS-HA192-0.6	"	13:35												X		X				"	1			
	-013	ISSB-MIS-HA193-1.0	"	13:55												X		X				"	1			
	-014	ISSB-MIS-HA194-0.3	"	14:05												X		X				"	1			
	-015	ISSB-MIS-HA195-0.6	"	14:20												X		X				"	1			
	-016	ISSB-CAS-HA196-0.3	"	14:30												X		X				"	1			
	-017	Equip-HA-032706	"	15:00												X			X			"	1	P	P	N

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

April 06, 2006

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 083365

RE: Caltrans I-5, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on March 30, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: *06-Apr-06*

CLIENT: Ninyo & Moore
Project: Caltrans I-5, 105812001
Lab Order: 083365
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
083365-001A	I5SB-MIS-HA182-1.4	Soil	3/27/2006	3/30/2006	4/6/2006

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Project: Caltrans I-5, 105812001
Lab Order: 083365

CASE NARRATIVE

Analytical Comments for EPA 6010B

RPD for Sample Duplicate (DUP) is outside criteria for sample 083365-001ADUP; however, the Laboratory Control Sample (LCS) validated the analytical batch.

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Date: 4/6/2006

LEAD BY ICP
EPA 6010B

CLIENT:	Ninyo & Moore	**Lab Order:**	083365
Project:	Caltrans I-5, 105812001	**Date Received**	3/30/2006 12:20:00 PM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
083365-001A	I5SB-MIS-HA182-1.4	3.5	mg/Kg	27433	1.0	1	3/27/2006	4/4/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *06-Apr-06*

CLIENT: Ninyo & Moore
Work Order: 083365
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **MB-27433** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/3/2006** RunNo: **61557**
Client ID: **PBS** Batch ID: **27433** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/4/2006** SeqNo: **911340**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID: **LCS-27433** SampType: **LCS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/3/2006** RunNo: **61557**
Client ID: **LCSS** Batch ID: **27433** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/4/2006** SeqNo: **911341**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	240	1.0	250.0	0	95.2	80	120				

Sample ID: **083365-001ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/3/2006** RunNo: **61557**
Client ID: **I5SB-MIS-HA182-1.4** Batch ID: **27433** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/4/2006** SeqNo: **911343**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.5	1.0						3.540	33.3	20	R

Sample ID: **083365-001AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/3/2006** RunNo: **61557**
Client ID: **I5SB-MIS-HA182-1.4** Batch ID: **27433** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/4/2006** SeqNo: **911344**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	150	1.0	250.0	3.540	57.0	31	122				

Sample ID: **083365-001AMSD** SampType: **MSD** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/3/2006** RunNo: **61557**
Client ID: **I5SB-MIS-HA182-1.4** Batch ID: **27433** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/4/2006** SeqNo: **911345**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	150	1.0	250.0	3.540	58.3	31	122	146.1	2.19	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

CHAIN OF CUSTODY RECORD

Pg 1 of 1

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: BM Date: 033006

Method of Transport: Client ☐ ATL ☒ CA OverN ☐ FEDEX ☐ Other:

Sample Condition Upon Receipt
1. CHILLED 3.1°C Y☐ N☐ 4. SEALED Y☐ N☒
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☒ N☐
3. CONTAINER INTACT Y☒ N☐ 6. PRESERVED Y☐ N☒

Client: Ninyo & Moore
Attn: Scott Snyder
Address: 5710 Ruffin Road
City: San Diego State: CA Zip Code: 92115
TEL: (858) 576-1000
FAX: (858)

Project Name: Caltrans I-5 Project #: 105812001 Sampler: (Printed Name) MATT ROE (Signature)

Relinquished by: (Signature and Printed Name) MATT ROE Date: Time: Received by: (Signature and Printed Name) Date: 3-30-06 Time: 9:15p
Relinquished by: (Signature and Printed Name) Date: 3-30-06 Time: 12:15p Received by: (Signature and Printed Name) Date: 3/30/06 Time: 1220
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: MATT ROE 3-29-06
Print Name Date
Signature

Send Report To:
Attn: Scott Snyder
Co: Ninyo & Moore
Address: 5710 Ruffin Rd
City: SD State: CA Zip: 92115

Bill To:
Attn: See info
Co:
Address:
City: State: Zip:

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested: 8081A (Pesticides), 8082 (PCB), 8260B (Volatiles), 8270C (BNA), 6010B (Total Metal), 8015B (GRO) / 8020 (BTEX), 8015B (DRO), 8021 (BTEX), TITLE 22 / CAM 17 (6010 / 7000), 6010 B- Total Lead

SPECIFY APPROPRIATE MATRIX: SOIL, WATER, GROUND WATER, WASTEWATER

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	6010 B- Total Lead	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	033365-001A	ISSB-MIS-HA182-1.4	3/27	10:00										X		X				E	1 J G	C	

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

April 12, 2006

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 083492

RE: Caltrans I-5, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on April 03, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: *12-Apr-06*

CLIENT: Ninyo & Moore
Project: Caltrans I-5, 105812001
Lab Order: 083492
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
083492-001A	I5SB-CAS-HA197-0.3	Soil	3/30/2006	4/3/2006	4/12/2006
083492-002A	I5SB-CAS-HA198-0.3	Soil	3/30/2006	4/3/2006	4/12/2006
083492-003A	I5SB-VIS-HA199-0.3	Soil	3/30/2006	4/3/2006	4/12/2006
083492-004A	I5SB-VIS-HA200-0.3	Soil	3/30/2006	4/3/2006	4/12/2006
083492-005A	I5SB-VIS-HA201-1.0	Soil	3/30/2006	4/3/2006	4/12/2006
083492-006A	I5SB-VIS-HA202-1.0	Soil	3/30/2006	4/3/2006	4/12/2006
083492-007A	I5SB-CAS-HA203-1.0	Soil	3/30/2006	4/3/2006	4/12/2006
083492-008A	I5SB-CAS-HA204-1.0	Soil	3/30/2006	4/3/2006	4/12/2006
083492-009A	I5SB-CAS-H205-1.0	Soil	3/30/2006	4/3/2006	4/12/2006
083492-010A	I5SB-CAS-H206-1.0	Soil	3/30/2006	4/3/2006	4/12/2006
083492-011A	I5SB-CVD-HA207-1.0	Soil	3/30/2006	4/3/2006	4/12/2006
083492-012A	I5SB-CVD-HA208-1.0	Soil	3/30/2006	4/3/2006	4/12/2006
083492-013A	I5SB-CVD-HA209-0.3	Soil	3/30/2006	4/3/2006	4/12/2006
083492-014A	I5SB-CVD-HA210-0.3	Soil	3/30/2006	4/3/2006	4/12/2006
083492-015A	I5SB-CVD-HA211-0.3	Soil	3/30/2006	4/3/2006	4/12/2006
083492-016A	Equip-HA-033006	Water	3/30/2006	4/3/2006	4/12/2006

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CASE NARRATIVE

Analytical Comments for EPA 6010B

RPD for Sample Duplicate (DUP) is outside criteria for sample 083493-005ADUP; however, the Laboratory Control Sample (LCS) validated the analytical batch.

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Date: 4/12/2006

LEAD BY ICP
EPA 6010B

CLIENT:	Ninyo & Moore	**Lab Order:**	083492
Project:	Caltrans I-5, 105812001	**Date Received**	4/3/2006 7:00:00 PM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
083492-001A	I5SB-CAS-HA197-0.2	9.2	mg/Kg	27490	1.0	1	3/30/2006	4/7/2006
083492-002A	I5SB-CAS-HA198-0.2	16	mg/Kg	27490	1.0	1	3/30/2006	4/7/2006
083492-003A	I5SB-VIS-HA199-0.3	25	mg/Kg	27490	1.0	1	3/30/2006	4/7/2006
083492-004A	I5SB-VIS-HA200-0.3	23	mg/Kg	27490	1.0	1	3/30/2006	4/7/2006
083492-005A	I5SB-VIS-HA201-1.0	32	mg/Kg	27490	1.0	1	3/30/2006	4/7/2006
083492-006A	I5SB-VIS-HA202-1.0	1.3	mg/Kg	27490	1.0	1	3/30/2006	4/7/2006
083492-007A	I5SB-CAS-HA203-1.0	2.6	mg/Kg	27490	1.0	1	3/30/2006	4/7/2006
083492-008A	I5SB-CAS-HA204-1.0	29	mg/Kg	27490	1.0	1	3/30/2006	4/7/2006
083492-009A	I5SB-CAS-H205-1.0	3.2	mg/Kg	27490	1.0	1	3/30/2006	4/7/2006
083492-010A	I5SB-CAS-H206-1.0	3.1	mg/Kg	27490	1.0	1	3/30/2006	4/7/2006
083492-011A	5SB-CVD-HA207-1.0	15	mg/Kg	27490	1.0	1	3/30/2006	4/7/2006
083492-012A	5SB-CVD-HA208-1.0	3.2	mg/Kg	27490	1.0	1	3/30/2006	4/7/2006
083492-013A	5SB-CVD-HA209-0.2	44	mg/Kg	27490	1.0	1	3/30/2006	4/7/2006
083492-014A	5SB-CVD-HA210-0.2	14	mg/Kg	27490	1.0	1	3/30/2006	4/7/2006
083492-015A	5SB-CVD-HA211-0.2	140	mg/Kg	27490	1.0	1	3/30/2006	4/7/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/12/2006

LEAD BY ICP
EPA 6010B

CLIENT:	Ninyo & Moore	**Lab Order:**	083492
Project:	Caltrans I-5, 105812001	**Date Received**	4/3/2006 7:00:00 PM
Project No:		**Matrix:**	Water
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
083492-016A	Equip-HA-033006	ND	mg/L	27473	0.25	1	3/30/2006	4/5/2006

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/12/2006

pH
EPA 9045C

CLIENT:	Ninyo & Moore	**Lab Order:**	083492
Project:	Caltrans I-5, 105812001	**Date Received**	4/3/2006 7:00:00 PM
Project No:		**Matrix:**	Soil
Analyte:	pH	**Analyst:**	RSJ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
083492-001A	I5SB-CAS-HA197-0.3	8.0	pH Units	R61760	0.10	1	3/30/2006	5/6/2006
083492-011A	5SB-CVD-HA207-1.(	6.5	pH Units	R61760	0.10	1	3/30/2006	5/6/2006

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083492
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **MB-27490A** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/6/2006** RunNo: **61763**
Client ID: **PBS** Batch ID: **27490** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/7/2006** SeqNo: **914194**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID: **LCS-27490** SampType: **LCS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/6/2006** RunNo: **61763**
Client ID: **LCSS** Batch ID: **27490** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/7/2006** SeqNo: **914195**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	250	1.0	250.0	0.7500	98.9	80	120				

Sample ID: **083492-010ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/6/2006** RunNo: **61763**
Client ID: **I5SB-CAS-H206-1.0** Batch ID: **27490** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/7/2006** SeqNo: **914206**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.2	1.0						3.105	3.95	20	

Sample ID: **083492-010AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/6/2006** RunNo: **61763**
Client ID: **I5SB-CAS-H206-1.0** Batch ID: **27490** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/7/2006** SeqNo: **914207**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	210	1.0	250.0	3.105	84.5	31	122				

Sample ID: **MB-27490B** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/6/2006** RunNo: **61763**
Client ID: **PBS** Batch ID: **27490** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/7/2006** SeqNo: **914208**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083492
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **083493-005ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/6/2006** RunNo: **61763**
Client ID: **ZZZZZZ** Batch ID: **27490** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/7/2006** SeqNo: **914219**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	23	1.0						7.506	102	20	R

Sample ID: **083493-005AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/6/2006** RunNo: **61763**
Client ID: **ZZZZZZ** Batch ID: **27490** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/7/2006** SeqNo: **914220**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	230	1.0	250.0	7.506	88.7	31	122				

Sample ID: **083493-005AMSD** SampType: **MSD** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/6/2006** RunNo: **61763**
Client ID: **ZZZZZZ** Batch ID: **27490** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/7/2006** SeqNo: **914221**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	230	1.0	250.0	7.506	88.4	31	122	229.3	0.332	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083492
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_WPB

Sample ID: **MB-27473** SampType: **MBLK** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **4/5/2006** RunNo: **61675**
Client ID: **PBW** Batch ID: **27473** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **4/5/2006** SeqNo: **912957**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-27473** SampType: **LCS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **4/5/2006** RunNo: **61675**
Client ID: **LCSW** Batch ID: **27473** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **4/5/2006** SeqNo: **912958**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.97	0.25	1.000	0	96.6	85	115				

Sample ID: **083545-001ADUP** SampType: **DUP** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **4/5/2006** RunNo: **61675**
Client ID: **ZZZZZZ** Batch ID: **27473** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **4/5/2006** SeqNo: **912960**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25						0	0	20	

Sample ID: **083545-001AMS** SampType: **MS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **4/5/2006** RunNo: **61675**
Client ID: **ZZZZZZ** Batch ID: **27473** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **4/5/2006** SeqNo: **912961**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.5	0.25	2.500	0	98.8	78	118				

Sample ID: **083545-001AMSD** SampType: **MSD** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **4/5/2006** RunNo: **61675**
Client ID: **ZZZZZZ** Batch ID: **27473** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **4/5/2006** SeqNo: **912962**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.5	0.25	2.500	0	99.4	78	118	2.470	0.630	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083492
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID: **083492-001ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: RunNo: **61760**
Client ID: **I5SB-CAS-HA197-0.3** Batch ID: **R61760** TestNo: **EPA 9045C** Analysis Date: **5/6/2006** SeqNo: **914116**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.2	0.10						7.960	2.85	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Thursday - 3-30-06

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: Dn Date 040306

Method of Transport: Client ☐ ATL ☒ CA OverN ☐ FEDEX ☐ Other:

Sample Condition Upon Receipt:
1. CHILLED 61302 Y☒ N☐ 4. SEALED Y☐ N☒
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☒ N☐
3. CONTAINER INTACT Y☒ N☐ 6. PRESERVED Y☒ N☐

Client: Ninyo & Moore
Attn: Scott Snyder
Address: 5710 Ruffin Rd
City: San Diego State: CA Zip Code: 92115
TEL: (858) 576-1000
FAX: (858) 576-9600

Project Name: Caltrans I-5 Project #: 105812001 Sampler: (Printed Name) MATT ROE (Signature) MRoe

Relinquished by: (Signature and Printed Name) MATT ROE MRoe Date: 4-3-06 Time: 4:30p
Received by: (Signature and Printed Name) Date: 4-3-06 Time: 4:30p
Relinquished by: (Signature and Printed Name) Date: 4-3-06 Time: 7:00p
Received by: (Signature and Printed Name) Date: 040406 Time: 1600
Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: MATT ROE (Print Name) Date
MRoe (Signature)

Send Report To:
Attn: Scott Snyder
Co: Ninyo & Moore
Address: 5710 Ruffin Rd
City: SD State: CA Zip: 92115

Bill To:
Attn: See info
Co:
Address:
City: State: Zip:

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	8141 - Pest	8151 - Herb	9045 C - pH	6010 B - Total Lead	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	0603442-001	ISSB-CAS-HA197-0.3	3/30	9:30										X	X		X	X				E	1	J G	C	
	-002	ISSB-CAS-HA198-0.3	3/30	9:50											X		X	X					1			
	-003	ISSB-~~CAS~~ VIS-HA199-0.3	"	10:05											X		X	X					1			
	-004	ISSB-VIS-HA200-0.3	"	10:25											X		X	X					1			
	-005	ISSB-VIS-HA201-1.0	"	10:45											X		X	X					1			
	-006	ISSB-VIS-HA202-1.0	"	11:05											X		X	X					1			
	-007	ISSB-LAS-HA203-1.0	"	11:20											X		X	X					1			
	-008	ISSB-LAS-HA204-1.0	"	11:50											X		X	X					1			
	-009	ISSB-LAS-H205-1.0	"	13:00											X		X	X					1			
	-010	ISSB-LAS-H206-1.0	"	13:15											X		X	X					1			

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

3-30-06 · Thursday

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: M Date: 04/03/06

Method of Transport: Client ☐ ATL ☒ CA OverN ☐ FEDEX ☐ Other:

Sample Condition Upon Receipt
1. CHILLED 5/3 C Y☑ N☐ 4. SEALED Y☐ N☑
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☑ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☑ N☑

Client: Ninyo & Moore
Attn: Scott Snyder
Address: 5710 Ruffin Road
City San Diego State CA Zip Code 92115
TEL: (858) 576-1000
FAX: (858) 576-2600

Project Name: Caltrans I-5 Project #: 105812001 Sampler: (Printed Name) MATT ROE (Signature) MAtt Roe

Relinquished by: (Signature and Printed Name)	Date	Time	Received by: (Signature and Printed Name)	Date	Time
MATT ROE	4-3-06	4:30p		4-3-06	4:30p
	4-3-06	7:00p		04/03/06	9:00

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: MATT ROE 3-30-06 (Print Name / Date)
Signature: MAtt Roe

Send Report To: Attn: Scott Snyder; Co: Ninyo & Moore; Address: 5710 Ruffin Rd; City SD State CA Zip 92115

Bill To: Attn: See info; Co:; Address:; City State Zip

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested: 8081A (Pesticides); 8082 (PCB); 8260B (Volatiles); 8270C (BNA); 6010B (Total Metal); 8015B (GRO) / 8020 (BTEX); 8015B (DRO); 8021 (BTEX); TITLE 22 / CAM 17 (6010 / 7000); 8141 - Pest; 8151 - Herb; 9045 C - DH; 6010 B - Total Cam

SPECIFY APPROPRIATE MATRIX: SOIL; WATER; GROUND WATER; WASTEWATER

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description: Sample I.D. / Location	Date	Time	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	083442-01	ISSB-CUD-HA207-1.0	3/30/06	13:35	E	1	J 6	C	
	-012	ISSB-CUD-HA208-1.0	"	13:50					
	-013	ISSB-CUD-HA209-0.3	"	14:00					
	-014	ISSB-CUD-HA210-0.3	"	14:10					
	-015	ISSB-CUD-HA211-0.3	"	14:30					
	-016	Equip-HA-033006	"	1500			P P	W	

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr; B= Emergency Next workday; C= Critical 2 Workdays; D= Urgent 3 Workdays; E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

May 11, 2006

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 083492

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

RE: Caltrans I-5, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on April 03, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: *11-May-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5SB-CVD-HA211-0.3
Lab Order:	083492	**Tag Number:**	
Project:	Caltrans I-5, 105812001	**Collection Date:**	3/30/2006 2:30:00 PM
Lab ID:	083492-015A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
LEAD BY ATOMIC ABSORPTION						
			WET DI/ EPA 7420			
RunID: AA2_060508E	QC Batch: R63078			PrepDate:		Analyst: **NS**
Lead	ND	0.25		mg/L	1	5/8/2006
LEAD BY ATOMIC ABSORPTION						
			WET/ EPA 7420			
RunID: AA2_060508G	QC Batch: R63093			PrepDate:		Analyst: **NS**
Lead	19	0.50		mg/L	2	5/8/2006
LEAD BY ATOMIC ABSORPTION						
	EPA 3010A		**EPA 1311/ 7420**			
RunID: AA2_060508B	QC Batch: 27895			PrepDate:	5/5/2006	Analyst: **NS**
Lead	ND	1.2		mg/L	1	5/8/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *11-May-06*

CLIENT: Ninyo & Moore
Work Order: 083492
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID: **MB-27868** SampType: **MBLK** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **PBS** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932905**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **MB-27868A** SampType: **MBLK** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **PBS** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932906**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **LCS-27868** SampType: **LCS** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **LCSS** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932907**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.07	0.25	5.000	0	101	80	120				

Sample ID: **083679-013A-DUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **ZZZZZZ** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932918**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25						0	0	20	

Sample ID: **083679-013AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **ZZZZZZ** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932919**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.22	0.25	5.000	0	104	70	130				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083492
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID: **MB-27868B** SampType: **MBLK** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **PBS** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932920**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **083679-024A-DUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **ZZZZZZ** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932922**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.22	0.25						0.5146	0	20	

Sample ID: **083679-024AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **ZZZZZZ** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932923**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.79	0.25	5.000	0.5146	106	70	130				

Sample ID: **083679-024AMSD** SampType: **MSD** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **ZZZZZZ** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932924**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.68	0.25	5.000	0.5146	103	70	130	5.790	1.86	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083492
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **MB-27903** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **PBS** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933192**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **MB-27903A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **PBS** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933193**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **LCS-27903** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **LCSS** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933194**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.98	0.25	5.000	0	99.6	80	120				

Sample ID: **083253-008A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **ZZZZZZ** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933205**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.99	0.25						6.232	44.0	20	R

Sample ID: **083253-008AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **ZZZZZZ** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933206**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	10.92	0.50	5.000	6.232	93.8	70	130				

Sample ID: **MB-27903B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **PBS** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933207**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083492
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **MB-27903B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **PBS** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933207**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **083679-024A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **ZZZZZZ** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933215**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.60	0.25						7.582	0.218	20	

Sample ID: **083679-024AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **ZZZZZZ** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933216**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12.63	0.50	5.000	7.582	101	70	130				

Sample ID: **083679-024AMSD** SampType: **MSD** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **ZZZZZZ** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933217**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12.54	0.50	5.000	7.582	99.2	70	130	12.63	0.651	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
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CLIENT: Ninyo & Moore
Work Order: 083492
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID: **MB-27895A** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **PBS** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932819**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **MB-27889A TCLP 1** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **PBS** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932820**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	1.2									

Sample ID: **LCS-27895** SampType: **LCS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **LCSS** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932821**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.94	0.25	1.000	0	94.1	80	120				

Sample ID: **083936-001A-DUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **ZZZZZZ** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932832**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	1.2						0	0	20	

Sample ID: **083936-001A-MS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **ZZZZZZ** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932833**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12.59	1.2	12.50	0	101	70	130				

Sample ID: **MB-27895A** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **PBS** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932834**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083492
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID: **MB-27895A** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **PBS** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932834**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **MB-27889B TCLP 1** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **PBS** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932835**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	1.2									

Sample ID: **084015-002A-DUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **ZZZZZZ** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932838**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	1.2						0	0	20	

Sample ID: **084015-002A-MS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **ZZZZZZ** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932839**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	13.53	1.2	12.50	0	108	70	130				

Sample ID: **084015-002A-MSD** SampType: **MSD** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **ZZZZZZ** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932840**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	13.45	1.2	12.50	0	108	70	130	13.53	0.583	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Rachelle Arada

From: Scott Snyder [ssnyder@ninyoandmoore.com]
Sent: Tuesday, May 02, 2006 9:21 AM
To: Rachelle Arada
Subject: Additional analyses Part 2

Rachelle,

I need to have these samples, that you have already analyzed for total lead, analyzed for leachable lead.

WET (both using standard extractant and DI water):
I5NB-OSD-HA154-0.6
I5NB-OSD-HA155-0.3
I5NB-OSD-HA156-0.3
I5NB-OSD-HA157-0.3
I5NB-OSD-HA160-0.3
I5NB-MIS-HA162-0.3
I5NB-MIS-HA163-0.3
I5SB-VAN-HA172-0.3
I5SB-HAR-HA174-0.6
I5SB-HAR-HA175-0.6
I5SB-CSH-HA176-0.3
I5SB-CVD-HA211-0.3
I5SB-TAM-HA220-0.3
I5SB-PAC-HA239-0.3
I5SB-POI-HA250-0.3
I5SB-LOC-HA257-0.6
I5SB-SAN-HA286-0.3

TCLP:
I5NB-OSD-HA155-0.3
I5NB-OSD-HA157-0.3
I5NB-MIS-HA162-0.3
I5NB-MIS-HA163-0.3
I5SB-CVD-HA211-0.3
I5SB-TAM-HA220-0.3
I5SB-POI-HA250-0.3
I5SB-LOC-HA257-0.6
I5SB-SAN-HA286-0.3

Please call if you have questions.

Thanks,
Scott

Scott Snyder, PG, HG
Senior Hydrogeologist
Ninyo & Moore
5710 Ruffin Road
San Diego, California 92122
858.576.1000 x1255

April 12, 2006

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 083494

RE: Caltrans I-5, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on April 03, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: *12-Apr-06*

CLIENT: Ninyo & Moore
Project: Caltrans I-5, 105812001
Lab Order: 083494
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
083494-001A	I5SB-CUD-HA212-1.0	Soil	3/31/2006	4/3/2006	4/12/2006
083494-002A	I5SB-CUD-HA213-0.3	Soil	3/31/2006	4/3/2006	4/12/2006
083494-003A	Equip-HA-033106	Water	3/31/2006	4/3/2006	4/12/2006

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/12/2006

LEAD BY ICP
EPA 6010B

CLIENT:	Ninyo & Moore	**Lab Order:**	083494
Project:	Caltrans I-5, 105812001	**Date Received**	4/3/2006 7:00:00 PM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
083494-001A	5SB-CUD-HA212-1.(	3.6	mg/Kg	27491	1.0	1	3/31/2006	4/7/2006
083494-002A	5SB-CUD-HA213-0.:	2.3	mg/Kg	27491	1.0	1	3/31/2006	4/7/2006

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 4/12/2006

LEAD BY ICP
EPA 6010B

CLIENT:	Ninyo & Moore	**Lab Order:**	083494
Project:	Caltrans I-5, 105812001	**Date Received**	4/3/2006 7:00:00 PM
Project No:		**Matrix:**	Water
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
083494-003A	Equip-HA-033106	ND	mg/L	27473	0.25	1	3/31/2006	4/5/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 4/12/2006

pH
EPA 9045C

CLIENT:	Ninyo & Moore	**Lab Order:**	083494
Project:	Caltrans I-5, 105812001	**Date Received**	4/3/2006 7:00:00 PM
Project No:		**Matrix:**	Soil
Analyte:	pH	**Analyst:**	RSJ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
083494-001A	5SB-CUD-HA212-1.(	8.3	pH Units	R61760	0.10	1	3/31/2006	5/6/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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CLIENT: Ninyo & Moore
Work Order: 083494
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **MB-27491A** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/6/2006** RunNo: **61764**
Client ID: **PBS** Batch ID: **27491** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/7/2006** SeqNo: **914222**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID: **LCS-27491** SampType: **LCS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/6/2006** RunNo: **61764**
Client ID: **LCSS** Batch ID: **27491** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/7/2006** SeqNo: **914223**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	250	1.0	250.0	0	98.3	80	120				

Sample ID: **083494-002ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/6/2006** RunNo: **61764**
Client ID: **I5SB-CUD-HA213-0.** Batch ID: **27491** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/7/2006** SeqNo: **914234**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.0	1.0						2.345	17.1	20	

Sample ID: **083494-002AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/6/2006** RunNo: **61764**
Client ID: **I5SB-CUD-HA213-0.** Batch ID: **27491** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/7/2006** SeqNo: **914235**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	210	1.0	250.0	2.345	81.8	31	122				

Sample ID: **083494-002AMSD** SampType: **MSD** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/6/2006** RunNo: **61764**
Client ID: **I5SB-CUD-HA213-0.** Batch ID: **27491** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/7/2006** SeqNo: **914236**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	200	1.0	250.0	2.345	80.0	31	122	206.7	2.12	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
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CLIENT: Ninyo & Moore
Work Order: 083494
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_WPB

Sample ID: **MB-27473** SampType: **MBLK** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **4/5/2006** RunNo: **61675**
Client ID: **PBW** Batch ID: **27473** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **4/5/2006** SeqNo: **912957**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-27473** SampType: **LCS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **4/5/2006** RunNo: **61675**
Client ID: **LCSW** Batch ID: **27473** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **4/5/2006** SeqNo: **912958**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.97	0.25	1.000	0	96.6	85	115				

Sample ID: **083545-001ADUP** SampType: **DUP** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **4/5/2006** RunNo: **61675**
Client ID: **ZZZZZZ** Batch ID: **27473** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **4/5/2006** SeqNo: **912960**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25						0	0	20	

Sample ID: **083545-001AMS** SampType: **MS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **4/5/2006** RunNo: **61675**
Client ID: **ZZZZZZ** Batch ID: **27473** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **4/5/2006** SeqNo: **912961**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.5	0.25	2.500	0	98.8	78	118				

Sample ID: **083545-001AMSD** SampType: **MSD** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **4/5/2006** RunNo: **61675**
Client ID: **ZZZZZZ** Batch ID: **27473** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **4/5/2006** SeqNo: **912962**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.5	0.25	2.500	0	99.4	78	118	2.470	0.630	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
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CLIENT: Ninyo & Moore
Work Order: 083494
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID: **083492-001ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: RunNo: **61760**
Client ID: **ZZZZZZ** Batch ID: **R61760** TestNo: **EPA 9045C** Analysis Date: **5/6/2006** SeqNo: **914116**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.2	0.10						7.960	2.85	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Friday - 3-31-06

CHAIN OF CUSTODY RECORD

Pg 1 of ____

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: ____

Logged By: M Date: 04/01/06

Method of Transport: Client ☐ ATL ☒ CA OverN ☐ FEDEX ☐ Other: ____

Sample Condition Upon Receipt:
1. CHILLED 6.3°C Y☒ N☐ 4. SEALED Y☐ N☒
2. HEADSPACE (VOA) Y☐ N☒ 5. # OF SPLS MATCH COC Y☒ N☐
3. CONTAINER INTACT Y☒ N☐ 6. PRESERVED Y☐ N☒

Client: Ninyo & Moore
Attn: Scott Snyder
Address: 5710 Ruffin Rd
City: San Diego State: CA Zip Code: 92115
TEL: (858) 576-1000
FAX: (858) 576-9600

Project Name: Caltrans I-5 Project #: 105812001 Sampler: (Printed Name) MATT ROE (Signature) Matt Roe

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
				4-3-06	4:30p
	4-3-06	7:00p		04/01/06	1900

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: MATT ROE 3-31-06 (Print Name / Date)
Signature: Matt Roe

Send Report To: Attn: Scott Snyder; Co: Ninyo & Moore; Address: 5710 Ruffin Rd; City: SD State: CA Zip: 92115

Bill To: Attn: see info; Co: ____; Address: ____; City: ____ State: ____ Zip: ____

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	8141 - Pest	8151 - Herb	9045C - pH	6010B - Total Lead	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	0834GW-001	ISSB-CUD-HA212-1.0	3/31	9:15										X	X		X	X				E	1	J	G	C
	-002	ISSB-CUD-HA213-0.3	"	9:30											X		X	X				E	1	J	G	C
	-003	Equip-HA-033106	"	10:30										X					X			E	1	P	P	N

SPECIFY APPROPRIATE MATRIX

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr; B= Emergency Next workday; C= Critical 2 Workdays; D= Urgent 3 Workdays; E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

April 12, 2006

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 083493

RE: Caltrans I-5, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on April 03, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: *12-Apr-06*

CLIENT: Ninyo & Moore
Project: Caltrans I-5, 105812001
Lab Order: 083493
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
083493-001A	I5SB-TAM-HA214-0.6	Soil	4/3/2006	4/3/2006	4/12/2006
083493-002A	I5SB-TAM-HA215-0.3	Soil	4/3/2006	4/3/2006	4/12/2006
083493-003A	I5SB-TAM-HA216-0.3	Soil	4/3/2006	4/3/2006	4/12/2006
083493-004A	I5SB-TAM-HA217-0.3	Soil	4/3/2006	4/3/2006	4/12/2006
083493-005A	I5SB-TAM-HA218-0.3	Soil	4/3/2006	4/3/2006	4/12/2006
083493-006A	I5SB-TAM-HA219-0.3	Soil	4/3/2006	4/3/2006	4/12/2006
083493-007A	I5SB-TAM-HA220-0.3	Soil	4/3/2006	4/3/2006	4/12/2006
083493-008A	I5SB-TAM-HA221-0.3	Soil	4/3/2006	4/3/2006	4/12/2006
083493-009A	I5SB-TAM-HA222-1.4	Soil	4/3/2006	4/3/2006	4/12/2006
083493-010A	I5SB-TAM-HA223-1.0	Soil	4/3/2006	4/3/2006	4/12/2006
083493-011A	I5SB-CAN-HA224-0.3	Soil	4/3/2006	4/3/2006	4/12/2006
083493-012A	I5SB-CAN-HA225-0.6	Soil	4/3/2006	4/3/2006	4/12/2006
083493-013A	I5SB-CAN-HA226-0.6	Soil	4/3/2006	4/3/2006	4/12/2006
083493-014A	Equip-HA-040306	Water	4/3/2006	4/3/2006	4/12/2006

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Project: Caltrans I-5, 105812001
Lab Order: 083493

CASE NARRATIVE

Analytical Comments for EPA 6010B

RPD for Sample Duplicate (DUP) is outside criteria for sample 083493-005ADUP; however, the Laboratory Control Sample (LCS) validated the analytical batch.

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Date: 4/12/2006

LEAD BY ICP
EPA 6010B

CLIENT:	Ninyo & Moore	**Lab Order:**	083493
Project:	Caltrans I-5, 105812001	**Date Received**	4/3/2006 7:00:00 PM
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
083493-001A	5SB-TAM-HA214-0.(	45	mg/Kg	27490	1.0	1	4/3/2006	4/7/2006
083493-002A	5SB-TAM-HA215-0.:	7.0	mg/Kg	27490	1.0	1	4/3/2006	4/7/2006
083493-003A	5SB-TAM-HA216-0.:	11	mg/Kg	27490	1.0	1	4/3/2006	4/7/2006
083493-004A	5SB-TAM-HA217-0.:	3.3	mg/Kg	27490	1.0	1	4/3/2006	4/7/2006
083493-005A	5SB-TAM-HA218-0.:	7.5	mg/Kg	27490	1.0	1	4/3/2006	4/7/2006
083493-006A	5SB-TAM-HA219-0.:	18	mg/Kg	27491	1.0	1	4/3/2006	4/7/2006
083493-007A	5SB-TAM-HA220-0.:	100	mg/Kg	27491	1.0	1	4/3/2006	4/7/2006
083493-008A	5SB-TAM-HA221-0.:	37	mg/Kg	27491	1.0	1	4/3/2006	4/7/2006
083493-009A	5SB-TAM-HA222-1.(	4.0	mg/Kg	27491	1.0	1	4/3/2006	4/7/2006
083493-010A	5SB-TAM-HA223-1.(	6.2	mg/Kg	27491	1.0	1	4/3/2006	4/7/2006
083493-011A	5SB-CAN-HA224-0.:	4.5	mg/Kg	27491	1.0	1	4/3/2006	4/7/2006
083493-012A	5SB-CAN-HA225-0.(	13	mg/Kg	27491	1.0	1	4/3/2006	4/7/2006
083493-013A	5SB-CAN-HA226-0.(	11	mg/Kg	27491	1.0	1	4/3/2006	4/7/2006

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 4/12/2006

LEAD BY ICP
EPA 6010B

CLIENT:	Ninyo & Moore	**Lab Order:**	083493
Project:	Caltrans I-5, 105812001	**Date Received**	4/3/2006 7:00:00 PM
Project No:		**Matrix:**	Water
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
083493-014A	Equip-HA-040306	ND	mg/L	27473	0.25	1	4/3/2006	4/5/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 4/12/2006

pH
EPA 9045C

CLIENT:	Ninyo & Moore	**Lab Order:**	083493
Project:	Caltrans I-5, 105812001	**Date Received**	4/3/2006 7:00:00 PM
Project No:		**Matrix:**	Soil
Analyte:	pH	**Analyst:**	RSJ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
083493-001A	5SB-TAM-HA214-0.(	7.0	pH Units	R61760	0.10	1	4/3/2006	5/6/2006
083493-011A	5SB-CAN-HA224-0.:	7.5	pH Units	R61760	0.10	1	4/3/2006	5/6/2006

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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Advanced Technology Laboratories
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CLIENT: Ninyo & Moore
Work Order: 083493
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **MB-27490A** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/6/2006** RunNo: **61763**
Client ID: **PBS** Batch ID: **27490** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/7/2006** SeqNo: **914194**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID: **LCS-27490** SampType: **LCS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/6/2006** RunNo: **61763**
Client ID: **LCSS** Batch ID: **27490** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/7/2006** SeqNo: **914195**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	250	1.0	250.0	0.7500	98.9	80	120				

Sample ID: **083492-010ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/6/2006** RunNo: **61763**
Client ID: **ZZZZZZ** Batch ID: **27490** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/7/2006** SeqNo: **914206**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.2	1.0						3.105	3.95	20	

Sample ID: **083492-010AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/6/2006** RunNo: **61763**
Client ID: **ZZZZZZ** Batch ID: **27490** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/7/2006** SeqNo: **914207**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	210	1.0	250.0	3.105	84.5	31	122				

Sample ID: **MB-27490B** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/6/2006** RunNo: **61763**
Client ID: **PBS** Batch ID: **27490** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/7/2006** SeqNo: **914208**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083493
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **083493-005ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/6/2006** RunNo: **61763**
Client ID: **I5SB-TAM-HA218-0.** Batch ID: **27490** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/7/2006** SeqNo: **914219**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	23	1.0						7.506	102	20	R

Sample ID: **083493-005AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/6/2006** RunNo: **61763**
Client ID: **I5SB-TAM-HA218-0.** Batch ID: **27490** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/7/2006** SeqNo: **914220**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	230	1.0	250.0	7.506	88.7	31	122				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083493
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **MB-27491A** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/6/2006** RunNo: **61764**
Client ID: **PBS** Batch ID: **27491** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/7/2006** SeqNo: **914222**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID: **LCS-27491** SampType: **LCS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/6/2006** RunNo: **61764**
Client ID: **LCSS** Batch ID: **27491** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/7/2006** SeqNo: **914223**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	250	1.0	250.0	0	98.3	80	120				

Sample ID: **083494-002ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/6/2006** RunNo: **61764**
Client ID: **ZZZZZZ** Batch ID: **27491** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/7/2006** SeqNo: **914234**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.0	1.0						2.345	17.1	20	

Sample ID: **083494-002AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/6/2006** RunNo: **61764**
Client ID: **ZZZZZZ** Batch ID: **27491** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/7/2006** SeqNo: **914235**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	210	1.0	250.0	2.345	81.8	31	122				

Sample ID: **083494-002AMSD** SampType: **MSD** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/6/2006** RunNo: **61764**
Client ID: **ZZZZZZ** Batch ID: **27491** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/7/2006** SeqNo: **914236**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	200	1.0	250.0	2.345	80.0	31	122	206.7	2.12	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
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CLIENT: Ninyo & Moore
Work Order: 083493
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_WPB

Sample ID: **MB-27473** SampType: **MBLK** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **4/5/2006** RunNo: **61675**
Client ID: **PBW** Batch ID: **27473** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **4/5/2006** SeqNo: **912957**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-27473** SampType: **LCS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **4/5/2006** RunNo: **61675**
Client ID: **LCSW** Batch ID: **27473** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **4/5/2006** SeqNo: **912958**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.97	0.25	1.000	0	96.6	85	115				

Sample ID: **083545-001ADUP** SampType: **DUP** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **4/5/2006** RunNo: **61675**
Client ID: **ZZZZZZ** Batch ID: **27473** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **4/5/2006** SeqNo: **912960**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25						0	0	20	

Sample ID: **083545-001AMS** SampType: **MS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **4/5/2006** RunNo: **61675**
Client ID: **ZZZZZZ** Batch ID: **27473** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **4/5/2006** SeqNo: **912961**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.5	0.25	2.500	0	98.8	78	118				

Sample ID: **083545-001AMSD** SampType: **MSD** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **4/5/2006** RunNo: **61675**
Client ID: **ZZZZZZ** Batch ID: **27473** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **4/5/2006** SeqNo: **912962**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.5	0.25	2.500	0	99.4	78	118	2.470	0.630	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083493
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID: **083492-001ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: RunNo: **61760**
Client ID: **ZZZZZZ** Batch ID: **R61760** TestNo: **EPA 9045C** Analysis Date: **5/6/2006** SeqNo: **914116**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.2	0.10						7.960	2.85	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

4-3-06 - Monday

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:
Logged By: DM Date: 04/07/06

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other:

Sample Condition Upon Receipt:
1. CHILLED Y☑ N☐ 4. SEALED Y☐ N☑
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☑ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☑ N☑

Client: Ninyo & Moore
Attn: Scott Snyder
Address: 5710 Ruffin Road
City: San Diego State: CA Zip Code: 92115
TEL: (858) 576-1000
FAX: (858) 576-9600

Project Name: Caltrans I-5
Project #: 105812001
Sampler: (Printed Name) MATT ROE (Signature) MAtt Roe

Relinquished by: (Signature and Printed Name) MATT ROE	Date: 4-3-06	Time: 4:30p	Received by: (Signature and Printed Name)	Date: 4-3-06	Time: 4:30p
Relinquished by: (Signature and Printed Name)	Date: 4-3-06	Time: 7:00p	Received by: (Signature and Printed Name)	Date: 04/07/06	Time: 1910
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: MATT ROE 4-3-06
Print Name Date
Signature

Send Report To:
Attn: Scott Snyder
Co: Ninyo & Moore
Address: 5710 Ruffin Rd
City: SD State: CA Zip: 9216

Bill To:
Attn: SEE INFO
Co:
Address:
City State Zip

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested: 8081A (Pesticides), 8082 (PCB), 8260B (Volatiles), 8270C (BNA), 6010B (Total Metal), 8015B (GRO) / 8020 (BTEX), 8015B (DRO), 8021 (BTEX), TITLE 22 / CAM 17 (6010 / 7000), 8141 - Ocat, 9045C - pH, 6010 B - Total Cond

SPECIFY APPROPRIATE MATRIX: SOIL, WATER, GROUND WATER, WASTEWATER

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8141 - Ocat	9045C - pH	6010 B - Total Cond	SOIL	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	0824447-001	ISSB-TAM-HA214-0.6	4/3	9:50	X	X		X	E	1	J G	C	
	-002	ISSB-TAM-HA215-0.3	"	10:10		X		X					
	-003	ISSB-TAM-HA216-0.3	"	10:40		X		X					
	-004	ISSB-TAM-HA217-0.3	"	10:50		X		X					
	-005	ISSB-TAM-HA218-0.3	"	11:00		X		X					
	-006	ISSB-TAM-HA219-0.3	"	11:10		X		X					
	-007	ISSB-TAM-HA220-0.3	"	11:20		X		X					
	-008	ISSB-TAM-HA221-0.3	"	11:35		X		X					
	-009	ISSB-TAM-HA222-1.4	"	12:55		X		X					
	-010	ISSB-TAM-HA223-1.0	"	13:15		X		X					

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

Monday - 4-3-06

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:
Logged By: [illegible] Date: 040306

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other:

Sample Condition Upon Receipt:
1. CHILLED 9.2°C Y☑ N☐ 4. SEALED Y☐ N☑
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☑ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☑ N☑

Client: Ninyo & Moore
Attn: Scott Snyder
Address: 5710 Ruffin Road
City San Diego State CA Zip Code 92115
TEL: (858) 576-1000
FAX: (858) 576-9600

Project Name: Caltrans I-5
Project #: 105812001
Sampler: (Printed Name) MATT ROE (Signature) [illegible]

Relinquished by: (Signature and Printed Name) [illegible] MATT ROE Date: 4-3-06 Time: 4:20p
Received by: (Signature and Printed Name) [illegible] Date: 4-3-06 Time: 4:30p
Relinquished by: (Signature and Printed Name) [illegible] Date: 4-3-06 Time: 7:00p
Received by: (Signature and Printed Name) [illegible] Date: 040306 Time: 1400
Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: MATT ROE 4-3-06
Print Name Date
[illegible]
Signature

Send Report To:
Attn:
Co:
Address
City State Zip

Bill To:
Attn:
Co:
Address
City State Zip

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	8141 - Pest	8151 - Herb	9045C - pH	6010B - Total Lead	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	083453-011	ISSB-CAN-HA224-0.3	4/3	13:35										X	X			X				E	1	J 6	C	
		~~ISSB-CAN-HA225~~	"	~~14:50~~											X			X								
	-012	ISSB-CAN-HA225-0.6	"	13:50											X			X				E	1	J 6	C	
	-013	ISSB-CAN-HA226-0.6	"	14:00											X			X				E	1	J 6	C	
	-014	Equip-HA-040306	"	14:30											X				X			E	1	P 8	N	

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=HCl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

May 11, 2006

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 083493

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

RE: Caltrans I-5, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on April 03, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: *11-May-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5SB-TAM-HA220-0.3
Lab Order:	083493	**Tag Number:**	
Project:	Caltrans I-5, 105812001	**Collection Date:**	4/3/2006 11:20:00 AM
Lab ID:	083493-007A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
LEAD BY ATOMIC ABSORPTION						
			WET DI/ EPA 7420			
RunID: AA2_060508E	QC Batch: R63078			PrepDate:		Analyst: **NS**
Lead	ND	0.25		mg/L	1	5/8/2006
LEAD BY ATOMIC ABSORPTION						
			WET/ EPA 7420			
RunID: AA2_060508G	QC Batch: R63093			PrepDate:		Analyst: **NS**
Lead	6.3	0.25		mg/L	1	5/8/2006
LEAD BY ATOMIC ABSORPTION						
	EPA 3010A		**EPA 1311/ 7420**			
RunID: AA2_060508B	QC Batch: 27895			PrepDate:	5/5/2006	Analyst: **NS**
Lead	ND	1.2		mg/L	1	5/8/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *11-May-06*

CLIENT: Ninyo & Moore
Work Order: 083493
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID: **MB-27868** SampType: **MBLK** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **PBS** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932905**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **MB-27868A** SampType: **MBLK** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **PBS** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932906**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **LCS-27868** SampType: **LCS** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **LCSS** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932907**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.07	0.25	5.000	0	101	80	120				

Sample ID: **083679-013A-DUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **ZZZZZZ** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932918**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25						0	0	20	

Sample ID: **083679-013AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **ZZZZZZ** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932919**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.22	0.25	5.000	0	104	70	130				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083493
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID: **MB-27868B** SampType: **MBLK** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **PBS** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932920**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **083679-024A-DUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **ZZZZZZ** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932922**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.22	0.25						0.5146	0	20	

Sample ID: **083679-024AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **ZZZZZZ** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932923**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.79	0.25	5.000	0.5146	106	70	130				

Sample ID: **083679-024AMSD** SampType: **MSD** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **ZZZZZZ** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932924**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.68	0.25	5.000	0.5146	103	70	130	5.790	1.86	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083493
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **MB-27903** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **PBS** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933192**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **MB-27903A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **PBS** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933193**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **LCS-27903** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **LCSS** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933194**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.98	0.25	5.000	0	99.6	80	120				

Sample ID: **083253-008A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **ZZZZZZ** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933205**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.99	0.25						6.232	44.0	20	R

Sample ID: **083253-008AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **ZZZZZZ** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933206**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	10.92	0.50	5.000	6.232	93.8	70	130				

Sample ID: **MB-27903B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **PBS** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933207**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083493
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **MB-27903B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **PBS** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933207**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **083679-024A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **ZZZZZZ** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933215**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.60	0.25						7.582	0.218	20	

Sample ID: **083679-024AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **ZZZZZZ** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933216**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12.63	0.50	5.000	7.582	101	70	130				

Sample ID: **083679-024AMSD** SampType: **MSD** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **ZZZZZZ** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933217**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12.54	0.50	5.000	7.582	99.2	70	130	12.63	0.651	20	

Qualifiers:
- E Value above quantitation range
- R RPD outside accepted recovery limits
- Calculations are based on raw values
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interferenc
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083493
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID: **MB-27895A** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **PBS** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932819**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **MB-27889A TCLP 1** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **PBS** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932820**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	1.2									

Sample ID: **LCS-27895** SampType: **LCS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **LCSS** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932821**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.94	0.25	1.000	0	94.1	80	120				

Sample ID: **083936-001A-DUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **ZZZZZZ** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932832**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	1.2						0	0	20	

Sample ID: **083936-001A-MS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **ZZZZZZ** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932833**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12.59	1.2	12.50	0	101	70	130				

Sample ID: **MB-27895A** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **PBS** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932834**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083493
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID: **MB-27895A** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **PBS** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932834**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **MB-27889B TCLP 1** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **PBS** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932835**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	1.2									

Sample ID: **084015-002A-DUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **ZZZZZZ** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932838**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	1.2						0	0	20	

Sample ID: **084015-002A-MS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **ZZZZZZ** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932839**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	13.53	1.2	12.50	0	108	70	130				

Sample ID: **084015-002A-MSD** SampType: **MSD** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **ZZZZZZ** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932840**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	13.45	1.2	12.50	0	108	70	130	13.53	0.583	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Rachelle Arada

From: Scott Snyder [ssnyder@ninyoandmoore.com]
Sent: Tuesday, May 02, 2006 9:21 AM
To: Rachelle Arada
Subject: Additional analyses Part 2

Rachelle,

I need to have these samples, that you have already analyzed for total lead, analyzed for leachable lead.

WET (both using standard extractant and DI water):
I5NB-OSD-HA154-0.6
I5NB-OSD-HA155-0.3
I5NB-OSD-HA156-0.3
I5NB-OSD-HA157-0.3
I5NB-OSD-HA160-0.3
I5NB-MIS-HA162-0.3
I5NB-MIS-HA163-0.3
I5SB-VAN-HA172-0.3
I5SB-HAR-HA174-0.6
I5SB-HAR-HA175-0.6
I5SB-CSH-HA176-0.3
I5SB-CVD-HA211-0.3
I5SB-TAM-HA220-0.3
I5SB-PAC-HA239-0.3
I5SB-POI-HA250-0.3
I5SB-LOC-HA257-0.6
I5SB-SAN-HA286-0.3

TCLP:
I5NB-OSD-HA155-0.3
I5NB-OSD-HA157-0.3
I5NB-MIS-HA162-0.3
I5NB-MIS-HA163-0.3
I5SB-CVD-HA211-0.3
I5SB-TAM-HA220-0.3
I5SB-POI-HA250-0.3
I5SB-LOC-HA257-0.6
I5SB-SAN-HA286-0.3

Please call if you have questions.

Thanks,
Scott

Scott Snyder, PG, HG
Senior Hydrogeologist
Ninyo & Moore
5710 Ruffin Road
San Diego, California 92122
858.576.1000 x1255

April 21, 2006

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 083679

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

RE: I-5 EXPANSION, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on April 07, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: *21-Apr-06*

CLIENT: Ninyo & Moore
Project: I-5 EXPANSION, 105812001
Lab Order: 083679
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
083679-001A	I5SB-CAN-HA227-0.6	Soil	4/4/2006	4/7/2006	4/21/2006
083679-002A	I5SB-CAN-HA-228-0.3	Soil	4/4/2006	4/7/2006	4/21/2006
083679-003A	I5SB-CAN-HA-229-0.3	Soil	4/4/2006	4/7/2006	4/21/2006
083679-004A	I5SB-CAN-HA-230-0.6	Soil	4/4/2006	4/7/2006	4/21/2006
083679-005A	I5SB-CAN-HA-231-1.0	Soil	4/4/2006	4/7/2006	4/21/2006
083679-006A	I5SB-PAC-HA232-1.61	Soil	4/4/2006	4/7/2006	4/21/2006
083679-007A	I5SB-PAC-HA233-1.0	Soil	4/4/2006	4/7/2006	4/21/2006
083679-008A	I5SB-PAC-HA234-0.6	Soil	4/4/2006	4/7/2006	4/21/2006
083679-009A	I5SB-PAC-HA235-0.6	Soil	4/4/2006	4/7/2006	4/21/2006
083679-010A	I5SB-PAC-HA236-0.6	Soil	4/4/2006	4/7/2006	4/21/2006
083679-011A	I5SB-PAC-HA237-0.6	Soil	4/4/2006	4/7/2006	4/21/2006
083679-012A	I5SB-PAC-HA238-0.6	Soil	4/4/2006	4/7/2006	4/21/2006
083679-013A	I5SB-PAC-HA239-0.3	Soil	4/4/2006	4/7/2006	4/21/2006
083679-014A	I5SB-PAC-HA240-0.6	Soil	4/4/2006	4/7/2006	4/21/2006
083679-015A	I5SB-PAC-HA241-0.6	Soil	4/4/2006	4/7/2006	4/21/2006
083679-016A	I5SB-PAC-HA242-0.3	Soil	4/4/2006	4/7/2006	4/21/2006
083679-017A	I5SB-POI-HA243-1.0	Soil	4/4/2006	4/7/2006	4/21/2006
083679-018A	I5SB-POI-HA244-0.3	Soil	4/4/2006	4/7/2006	4/21/2006
083679-019A	I5SB-POI-HA245-0.6	Soil	4/4/2006	4/7/2006	4/21/2006
083679-020A	I5SB-POI-HA246-0.6	Soil	4/4/2006	4/7/2006	4/21/2006
083679-021A	I5SB-POI-HA247-0.3	Soil	4/4/2006	4/7/2006	4/21/2006
083679-022A	I5SB-POI-HA248-0.3	Soil	4/4/2006	4/7/2006	4/21/2006
083679-023A	I5SB-POI-HA249-0.6	Soil	4/4/2006	4/7/2006	4/21/2006
083679-024A	I5SB-POI-HA250-0.3	Soil	4/4/2006	4/7/2006	4/21/2006
083679-025A	Equip-HA-040406	Water	4/4/2006	4/7/2006	4/21/2006

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

CASE NARRATIVE

Analytical Comments for EPA 6010B

RPD for Sample Duplicate (DUP) is outside criteria for sample 083679-019ADUP and 083679-024ADUP; however, the Laboratory Control Sample (LCS) validated the analytical batch.

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Date: 4/21/2006

LEAD BY ICP
EPA 6010B

CLIENT:	Ninyo & Moore	**Lab Order:**	083679
Project:	I-5 EXPANSION, 105812001	**Date Received**	4/7/2006
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
083679-001A	5SB-CAN-HA227-0.6	9.1	mg/Kg	27551	1.0	1	4/4/2006	4/13/2006
083679-002A	5SB-CAN-HA-228-0.	11	mg/Kg	27551	1.0	1	4/4/2006	4/13/2006
083679-003A	5SB-CAN-HA-229-0.	21	mg/Kg	27551	1.0	1	4/4/2006	4/13/2006
083679-004A	5SB-CAN-HA-230-0.	2.7	mg/Kg	27551	1.0	1	4/4/2006	4/13/2006
083679-005A	5SB-CAN-HA-231-1.	1.9	mg/Kg	27551	1.0	1	4/4/2006	4/13/2006
083679-006A	5SB-PAC-HA232-1.6	1.0	mg/Kg	27551	1.0	1	4/4/2006	4/13/2006
083679-007A	I5SB-PAC-HA233-1.0	ND	mg/Kg	27551	1.0	1	4/4/2006	4/13/2006
083679-008A	I5SB-PAC-HA234-0.6	2.8	mg/Kg	27551	1.0	1	4/4/2006	4/13/2006
083679-009A	I5SB-PAC-HA235-0.6	44	mg/Kg	27551	1.0	1	4/4/2006	4/13/2006
083679-010A	I5SB-PAC-HA236-0.6	2.9	mg/Kg	27551	1.0	1	4/4/2006	4/13/2006
083679-011A	I5SB-PAC-HA237-0.6	3.4	mg/Kg	27551	1.0	1	4/4/2006	4/13/2006
083679-012A	I5SB-PAC-HA238-0.6	28	mg/Kg	27551	1.0	1	4/4/2006	4/13/2006
083679-013A	I5SB-PAC-HA239-0.3	57	mg/Kg	27551	1.0	1	4/4/2006	4/13/2006
083679-014A	I5SB-PAC-HA240-0.6	2.9	mg/Kg	27551	1.0	1	4/4/2006	4/13/2006
083679-015A	I5SB-PAC-HA241-0.6	5.0	mg/Kg	27551	1.0	1	4/4/2006	4/13/2006
083679-016A	I5SB-PAC-HA242-0.3	3.4	mg/Kg	27551	1.0	1	4/4/2006	4/13/2006
083679-017A	I5SB-POI-HA243-1.0	7.9	mg/Kg	27551	1.0	1	4/4/2006	4/13/2006
083679-018A	I5SB-POI-HA244-0.3	3.5	mg/Kg	27551	1.0	1	4/4/2006	4/13/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/21/2006

LEAD BY ICP
EPA 6010B

CLIENT:	Ninyo & Moore	**Lab Order:**	083679
Project:	I-5 EXPANSION, 105812001	**Date Received**	4/7/2006
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
083679-019A	I5SB-POI-HA245-0.6	5.2	mg/Kg	27551	1.0	1	4/4/2006	4/13/2006
083679-020A	I5SB-POI-HA246-0.6	1.3	mg/Kg	27552	1.0	1	4/4/2006	4/13/2006
083679-021A	I5SB-POI-HA247-0.3	3.6	mg/Kg	27552	1.0	1	4/4/2006	4/13/2006
083679-022A	I5SB-POI-HA248-0.3	7.9	mg/Kg	27552	1.0	1	4/4/2006	4/13/2006
083679-023A	I5SB-POI-HA249-0.6	5.2	mg/Kg	27552	1.0	1	4/4/2006	4/13/2006
083679-024A	I5SB-POI-HA250-0.3	180	mg/Kg	27552	1.0	1	4/4/2006	4/13/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 4/21/2006

LEAD BY ICP
EPA 6010B

CLIENT:	Ninyo & Moore	**Lab Order:**	083679
Project:	I-5 EXPANSION, 105812001	**Date Received**	4/7/2006
Project No:		**Matrix:**	Water
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
083679-025A	Equip-HA-040406	ND	mg/L	27599	0.25	1	4/4/2006	4/13/2006

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 4/21/2006

pH
EPA 9045C

CLIENT:	Ninyo & Moore	**Lab Order:**	083679
Project:	I-5 EXPANSION, 105812001	**Date Received**	4/7/2006
Project No:		**Matrix:**	Soil
Analyte:	pH	**Analyst:**	RSJ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
083679-001A	5SB-CAN-HA227-0.(	7.2	pH Units	R62065	0.10	1	4/4/2006	4/11/2006
083679-011A	I5SB-PAC-HA237-0.(	8.3	pH Units	R62065	0.10	1	4/4/2006	4/11/2006
083679-021A	I5SB-POI-HA247-0.3	7.4	pH Units	R62065	0.10	1	4/4/2006	4/11/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083679
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **MB-27551A** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62146**
Client ID: **PBS** Batch ID: **27551** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919427**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID: **LCS-27551** SampType: **LCS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62146**
Client ID: **LCSS** Batch ID: **27551** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919428**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	280	1.0	250.0	0	110	80	120				

Sample ID: **083679-009ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62146**
Client ID: **I5SB-PAC-HA235-0.6** Batch ID: **27551** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919439**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	45	1.0						43.52	3.95	20	

Sample ID: **083679-009AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62146**
Client ID: **I5SB-PAC-HA235-0.6** Batch ID: **27551** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919440**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	280	1.0	250.0	43.52	95.8	31	122				

Sample ID: **MB-27551B** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62146**
Client ID: **PBS** Batch ID: **27551** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919498**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083679
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **083679-019ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62146**
Client ID: **I5SB-POI-HA245-0.6** Batch ID: **27551** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919509**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	6.5	1.0						5.237	21.6	20	R

Sample ID: **083679-019AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62146**
Client ID: **I5SB-POI-HA245-0.6** Batch ID: **27551** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919510**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	220	1.0	250.0	5.237	87.4	31	122				

Sample ID: **083679-019AMSD** SampType: **MSD** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62146**
Client ID: **I5SB-POI-HA245-0.6** Batch ID: **27551** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919511**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	230	1.0	250.0	5.237	89.3	31	122	223.6	2.20	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083679
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **MB-27552A** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62151**
Client ID: **PBS** Batch ID: **27552** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919512**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID: **LCS-27552** SampType: **LCS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62151**
Client ID: **LCSS** Batch ID: **27552** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919513**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	280	1.0	250.0	0	112	80	120				

Sample ID: **083679-024ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62151**
Client ID: **I5SB-POI-HA250-0.3** Batch ID: **27552** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919519**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	250	1.0						177.5	32.7	20	R

Sample ID: **083679-024AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62151**
Client ID: **I5SB-POI-HA250-0.3** Batch ID: **27552** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919520**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	380	1.0	250.0	177.5	82.0	31	122				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083679
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_WPB

Sample ID: **MB-27599** SampType: **MBLK** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **4/12/2006** RunNo: **62106**
Client ID: **PBW** Batch ID: **27599** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **4/13/2006** SeqNo: **918857**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-27599** SampType: **LCS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **4/12/2006** RunNo: **62106**
Client ID: **LCSW** Batch ID: **27599** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **4/13/2006** SeqNo: **918858**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.0	0.25	1.000	0.007384	104	85	115				

Sample ID: **083678-025ADUP** SampType: **DUP** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **4/12/2006** RunNo: **62106**
Client ID: **ZZZZZZ** Batch ID: **27599** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **4/13/2006** SeqNo: **918861**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25						0	0	20	

Sample ID: **083678-025AMS** SampType: **MS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **4/12/2006** RunNo: **62106**
Client ID: **ZZZZZZ** Batch ID: **27599** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **4/13/2006** SeqNo: **918862**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.5	0.25	2.500	0	102	78	118				

Sample ID: **083678-025AMSD** SampType: **MSD** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **4/12/2006** RunNo: **62106**
Client ID: **ZZZZZZ** Batch ID: **27599** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **4/13/2006** SeqNo: **918863**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.5	0.25	2.500	0	102	78	118	2.540	0.0635	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083679
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID: **083714-047ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: RunNo: **62065**
Client ID: **ZZZZZZ** Batch ID: **R62065** TestNo: **EPA 9045C** Analysis Date: **4/11/2006** SeqNo: **918293**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.5	0.10						8.700	2.09	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Tuesday - 4-4-06

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: DM Date: 040806

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other:

Sample Condition Upon Receipt:
1. CHILLED 9.2°C Y☑ N☐ 4. SEALED Y☐ N☑
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☑ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☑ N☑

Client: Ninyo & Moore
Attn: Scott Snyder
Address: 5710 Ruffin Road
City: San Diego State: CA Zip Code: 92115
TEL: (858) 576-1000
FAX: (") 576-9600

Project Name: I-5 Expansion Project #: 105812001 Sampler: (Printed Name) (Signature)

Relinquished by: (Signature and Printed Name) Scott Snyder Date: 4/7/06 Time: 1500 Received by: (Signature and Printed Name) ATL Date: 4/7/06 Time: 1500
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: 040806 Time: 0800
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: MATT ROE 4-4-06 (Print Name, Date) Signature: MATT ROE

Send Report To: Attn: Scott Snyder Co: Ninyo & Moore Address: 5710 Ruffin Rd City: SD State: CA Zip: 92115

Bill To: Attn: SEE INFO Co: Address: City: State: Zip:

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested: 8081A (Pesticides), 8082 (PCB), 8260B (Volatiles), 8270C (BNA), 6010B (Total Metal), 8015B (GRO) / 8020 (BTEX), 8015B (DRO), 8021 (BTEX), TITLE 22 / CAM 17 (6010 / 7000), 8141 - Pest, 8151 - Herb, 9045C - pH, 6010B - Total Lead

SPECIFY APPROPRIATE MATRIX: SOIL, WATER, GROUND WATER, WASTEWATER

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8141 - Pest	8151 - Herb	9045C - pH	6010B - Total Lead	SOIL	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	0436791-001	ISSB-CAN-HA227-0.6	4/4	9:30	X	X		X	X	E	1	J	6	C	
	-002	ISSB-CAN-HA228-0.3	"	9:35		X			X						
	-003	ISSB-CAN-HA229-0.3	"	9:45		X			X						
	-004	ISSB-CAN-HA230-0.6	"	9:55		X			X						
	-005	ISSB-CAN-HA231-1.0	"	10:05		X			X						
	-006	ISSB-PAL-HA232-1.6	"	10:15		X			X					1.4	
	-007	ISSB-PAL-HA233-1.0	"	10:30		X			X						
	-008	ISSB-PAL-HA234-0.6	"	10:35		X			X						
	-009	ISSB-PAL-HA235-0.6	"	10:50		X			X						
	-010	ISSB-PAL-HA236-0.6	"	11:00		X			X						

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

Tuesday 4-4-06

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: DM Date: 040806

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other:

Sample Condition Upon Receipt
1. CHILLED 5.2°C Y☑ N☐ 4. SEALED Y☐ N☑
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☑ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☑ N☐

Client: Ninyo & Moore
Attn: Scott Snyder
Address: 5710 Ruffin Road
City: San Diego State: CA Zip Code: 92123
TEL: ( ) FAX: ( )

Project Name: Caltrans I-5 Project #: 105812001 Sampler: (Printed Name) MATT ROE (Signature) Matt Roe

Relinquished by: (Signature and Printed Name) M. Falk Date: 4/7/06 Time: 1800 Received by: (Signature and Printed Name) Date: 4/7/06 Time: 1800
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: MATT ROE (Print Name) 4-4-06 (Date) Matt Roe (Signature)

Send Report To: Attn: Scott Snyder Co: Ninyo & Moore Address: 5710 Ruffin Rd City: SD State: CA Zip: 92123

Bill To: Attn: See info Co: Address: City: State: Zip:

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.
Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested: 8081A (Pesticides), 8082 (PCB), 8260B (Volatiles), 8270C (BNA), 6010B (Total Metal), 8015B (GRO) / 8020 (BTEX), 8015B (DRO), 8021 (BTEX), TITLE 22 / CAM 17 (6010 / 7000), 8141 - Pest, 8151 - Herb, 9045 B - pH, 6010 C - Total Lead

SPECIFY APPROPRIATE MATRIX: SOIL, WATER, GROUND WATER, WASTEWATER

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	8141 - Pest	8151 - Herb	9045 B - pH	6010 C - Total Lead	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	086674-011	ISSB-PAL-HA237-0.6	4/4	11:15										X	X		X	X				E	1			
	-012	ISSB-PAL-HA238-0.6	"	11:25											X		X	X								
	-013	ISSB-PAL-HA239-0.3	"	11:30											X		X	X								
	-014	ISSB-PAL-HA240-0.6	"	11:40											X		X	X								
	-015	ISSB-PAL-HA241-0.6	"	11:50											X		X	X								
	-016	ISSB-PAL-HA242-0.3	"	12:00											X		X	X								
	-017	ISSB-POI-HA243-1.0	"	13:30											X		X	X								
	-018	ISSB-POI-HA244-0.3	"	13:35											X		X	X								
	-019	ISSB-POI-HA245-0.6	"	13:45											X		X	X								
	-020	ISSB-POI-HA246-0.6	"	13:50											X		X	X								

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

Tuesday -4-4-06

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: Pr Date: 040406

Method of Transport: Client ☐ ATL ☐ CA OverN ☐ FEDEX ☐ Other:

Sample Condition Upon Receipt:
1. CHILLED Y☑ N☐ (G, WL)
2. HEADSPACE (VOA) Y☐ N☐
3. CONTAINER INTACT Y☐ N☐
4. SEALED Y☐ N☐
5. # OF SPLS MATCH COC Y☐ N☐
6. PRESERVED Y☐ N☐

Client: Ninyo & Moore
Attn: Scott Snyder
Address: 5710 Ruffin Rd
City: San Diego State: CA Zip Code: 92123
TEL: (858) 576-1000
FAX: (858) 576-9600

Project Name: Caltrans - I-5
Project #: 105812001
Sampler: (Printed Name) MATT ROE (Signature) MATT ROE

Relinquished by: (Signature and Printed Name)	Date	Time	Received by: (Signature and Printed Name)	Date	Time
MATT ROE / MATT ROE	4/7/06	1800	[illegible]	4/7/06	1800
	4/7/06		[illegible]	040806	0800

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: MATT ROE 4-4-06
Print Name / Date
MATT ROE
Signature

Send Report To:
Attn: Scott Snyder
Co: Ninyo & Moore
Address: 5710 Ruffin Rd
City: SD State: CA Zip: 92123

Bill To:
Attn: See info
Co:
Address:
City: State: Zip:

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	8141 - Pest	8151 - Herb	9045 C - PH	6010 B - Total Lead	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	083676 001	ISSB-P01-HA247-0.3	4/4/06	14:00										X	X		X	X				E	1	J G	C	
	- 002	ISSB-P01-HA248-0.3	"	14:10											X		X	X								
	- 003	ISSB-P01-HA249-0.6	"	14:25											X		X	X								
	- 004	ISSB-P01-HA250-0.3	"	14:30											X		X	X								
	- 005	Equip-HA-040406	"	15:00											X				X					P P	N	

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

May 11, 2006

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 083679

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

RE: I-5 EXPANSION, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on April 07, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: *11-May-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5SB-PAC-HA239-0.3
Lab Order:	083679	**Tag Number:**	
Project:	I-5 EXPANSION, 105812001	**Collection Date:**	4/4/2006 11:30:00 AM
Lab ID:	083679-013A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
LEAD BY ATOMIC ABSORPTION						
			WET DI/ EPA 7420			
RunID: AA2_060508E	QC Batch: R63078			PrepDate:		Analyst: **NS**
Lead	ND	0.25		mg/L	1	5/8/2006
LEAD BY ATOMIC ABSORPTION						
			WET/ EPA 7420			
RunID: AA2_060508G	QC Batch: R63093			PrepDate:		Analyst: **NS**
Lead	2.2	0.25		mg/L	1	5/8/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Date: *11-May-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5SB-POI-HA250-0.3
Lab Order:	083679	**Tag Number:**	
Project:	I-5 EXPANSION, 105812001	**Collection Date:**	4/4/2006 2:30:00 PM
Lab ID:	083679-024A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
LEAD BY ATOMIC ABSORPTION						
			WET DI/ EPA 7420			
RunID: AA2_060508E	QC Batch: R63078			PrepDate:		Analyst: **NS**
Lead	0.51	0.25		mg/L	1	5/8/2006
LEAD BY ATOMIC ABSORPTION						
			WET/ EPA 7420			
RunID: AA2_060508G	QC Batch: R63093			PrepDate:		Analyst: **NS**
Lead	7.6	0.25		mg/L	1	5/8/2006
LEAD BY ATOMIC ABSORPTION						
	EPA 3010A		**EPA 1311/ 7420**			
RunID: AA2_060508B	QC Batch: 27895			PrepDate:	5/5/2006	Analyst: **NS**
Lead	ND	1.2		mg/L	1	5/8/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *11-May-06*

CLIENT: Ninyo & Moore
Work Order: 083679
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID: **MB-27868** SampType: **MBLK** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **PBS** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932905**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **MB-27868A** SampType: **MBLK** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **PBS** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932906**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **LCS-27868** SampType: **LCS** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **LCSS** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932907**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.07	0.25	5.000	0	101	80	120				

Sample ID: **083679-013A-DUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **I5SB-PAC-HA239-0.3** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932918**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25						0	0	20	

Sample ID: **083679-013AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **I5SB-PAC-HA239-0.3** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932919**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.22	0.25	5.000	0	104	70	130				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083679
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID: **MB-27868B** SampType: **MBLK** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **PBS** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932920**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **083679-024A-DUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **I5SB-POI-HA250-0.3** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932922**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.22	0.25						0.5146	0	20	

Sample ID: **083679-024AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **I5SB-POI-HA250-0.3** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932923**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.79	0.25	5.000	0.5146	106	70	130				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083679
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **MB-27903** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **PBS** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933192**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **MB-27903A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **PBS** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933193**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **LCS-27903** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **LCSS** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933194**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.98	0.25	5.000	0	99.6	80	120				

Sample ID: **083253-008A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **ZZZZZZ** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933205**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.99	0.25						6.232	44.0	20	R

Sample ID: **083253-008AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **ZZZZZZ** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933206**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	10.92	0.50	5.000	6.232	93.8	70	130				

Sample ID: **MB-27903B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **PBS** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933207**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083679
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **MB-27903B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **PBS** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933207**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **083679-024A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **I5SB-POI-HA250-0.3** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933215**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.60	0.25						7.582	0.218	20	

Sample ID: **083679-024AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **I5SB-POI-HA250-0.3** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933216**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12.63	0.50	5.000	7.582	101	70	130				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
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CLIENT: Ninyo & Moore
Work Order: 083679
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID: **MB-27895A** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **PBS** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932819**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **MB-27889A TCLP 1** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **PBS** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932820**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	1.2									

Sample ID: **LCS-27895** SampType: **LCS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **LCSS** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932821**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.94	0.25	1.000	0	94.1	80	120				

Sample ID: **083936-001A-DUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **ZZZZZZ** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932832**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	1.2						0	0	20	

Sample ID: **083936-001A-MS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **ZZZZZZ** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932833**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12.59	1.2	12.50	0	101	70	130				

Sample ID: **MB-27895A** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **PBS** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932834**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083679
Project: I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID: **MB-27895A** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **PBS** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932834**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **MB-27889B TCLP 1** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **PBS** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932835**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	1.2									

Sample ID: **084015-002A-DUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **ZZZZZZ** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932838**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	1.2						0	0	20	

Sample ID: **084015-002A-MS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **ZZZZZZ** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932839**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	13.53	1.2	12.50	0	108	70	130				

Sample ID: **084015-002A-MSD** SampType: **MSD** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **ZZZZZZ** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932840**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	13.45	1.2	12.50	0	108	70	130	13.53	0.583	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Rachelle Arada

From: Scott Snyder [ssnyder@ninyoandmoore.com]
Sent: Tuesday, May 02, 2006 9:21 AM
To: Rachelle Arada
Subject: Additional analyses Part 2

Rachelle,

I need to have these samples, that you have already analyzed for total lead, analyzed for leachable lead.

WET (both using standard extractant and DI water):
I5NB-OSD-HA154-0.6
I5NB-OSD-HA155-0.3
I5NB-OSD-HA156-0.3
I5NB-OSD-HA157-0.3
I5NB-OSD-HA160-0.3
I5NB-MIS-HA162-0.3
I5NB-MIS-HA163-0.3
I5SB-VAN-HA172-0.3
I5SB-HAR-HA174-0.6
I5SB-HAR-HA175-0.6
I5SB-CSH-HA176-0.3
I5SB-CVD-HA211-0.3
I5SB-TAM-HA220-0.3
I5SB-PAC-HA239-0.3
I5SB-POI-HA250-0.3
I5SB-LOC-HA257-0.6
I5SB-SAN-HA286-0.3

TCLP:
I5NB-OSD-HA155-0.3
I5NB-OSD-HA157-0.3
I5NB-MIS-HA162-0.3
I5NB-MIS-HA163-0.3
I5SB-CVD-HA211-0.3
I5SB-TAM-HA220-0.3
I5SB-POI-HA250-0.3
I5SB-LOC-HA257-0.6
I5SB-SAN-HA286-0.3

Please call if you have questions.

Thanks,
Scott

Scott Snyder, PG, HG
Senior Hydrogeologist
Ninyo & Moore
5710 Ruffin Road
San Diego, California 92122
858.576.1000 x1255

April 21, 2006

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 083678

RE: CAL-TRANS, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on April 07, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: *21-Apr-06*

CLIENT: Ninyo & Moore
Project: CAL-TRANS, 105812001
Lab Order: 083678
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
083678-001A	I5SB-PO1-HA251-0.3	Soil	4/6/2006	4/7/2006	4/21/2006
083678-002A	I5SB-PO1-HA252-0.6	Soil	4/6/2006	4/7/2006	4/21/2006
083678-003A	I5SB-PO1-HA253-0.3	Soil	4/6/2006	4/7/2006	4/21/2006
083678-004A	I5SB-PO1-HA254-1.0	Soil	4/6/2006	4/7/2006	4/21/2006
083678-005A	I5SB-PO1-HA255-0.6	Soil	4/6/2006	4/7/2006	4/21/2006
083678-006A	I5SB-LOC-HA256-0.6	Soil	4/6/2006	4/7/2006	4/21/2006
083678-007A	I5SB-LOC-HA257-0.6	Soil	4/6/2006	4/7/2006	4/21/2006
083678-008A	I5SB-LOC-HA258-1.0	Soil	4/6/2006	4/7/2006	4/21/2006
083678-009A	I5SB-LOC-HA259-0.6	Soil	4/6/2006	4/7/2006	4/21/2006
083678-010A	I5SB-LOC-HA260-1.0	Soil	4/6/2006	4/7/2006	4/21/2006
083678-011A	I5SB-LOC-HA261-0.6	Soil	4/6/2006	4/7/2006	4/21/2006
083678-012A	I5SB-LOC-HA262-1.0	Soil	4/6/2006	4/7/2006	4/21/2006
083678-013A	I5SB-LOC-HA263-1.0	Soil	4/6/2006	4/7/2006	4/21/2006
083678-014A	I5SB-LOC-HA264-1.0	Soil	4/6/2006	4/7/2006	4/21/2006
083678-015A	I5SB-LOC-HA265-1.0	Soil	4/6/2006	4/7/2006	4/21/2006
083678-016A	I5SB-LEU-HA266-1.0	Soil	4/6/2006	4/7/2006	4/21/2006
083678-017A	I5SB-LEU-HA267-1.0	Soil	4/6/2006	4/7/2006	4/21/2006
083678-018A	I5SB-LEU-HA268-0.3	Soil	4/6/2006	4/7/2006	4/21/2006
083678-019A	I5SB-LEU-HA269-1.0	Soil	4/6/2006	4/7/2006	4/21/2006
083678-020A	I5SB-LEU-HA270-0.3	Soil	4/6/2006	4/7/2006	4/21/2006
083678-021A	I5SB-LEU-HA271-1.0	Soil	4/6/2006	4/7/2006	4/21/2006
083678-022A	I5SB-LEU-HA272-0.6	Soil	4/6/2006	4/7/2006	4/21/2006
083678-023A	I5SB-LEU-HA273-1.4	Soil	4/6/2006	4/7/2006	4/21/2006
083678-024A	I5SB-LEU-HA274-0.6	Soil	4/6/2006	4/7/2006	4/21/2006
083678-025A	EQUIP-HA040606	Water	4/6/2006	4/7/2006	4/21/2006

Advanced Technology Laboratories
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CASE NARRATIVE

Analytical Comments for EPA 6010B

RPD for Sample Duplicate (DUP) is outside criteria for sample 083678-013ADUP and 083679-019ADUP; however, the Laboratory Control Sample (LCS) validated the analytical batch.

Advanced Technology Laboratories *3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040*

Advanced Technology Laboratories

Date: 4/21/2006

LEAD BY ICP
EPA 6010B

CLIENT:	Ninyo & Moore	**Lab Order:**	083678
Project:	CAL-TRANS, 105812001	**Date Received**	4/7/2006
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
083678-001A	I5SB-PO1-HA251-0.3	10	mg/Kg	27548	1.0	1	4/6/2006	4/13/2006
083678-002A	I5SB-PO1-HA252-0.6	7.6	mg/Kg	27548	1.0	1	4/6/2006	4/13/2006
083678-003A	I5SB-PO1-HA253-0.3	4.6	mg/Kg	27548	1.0	1	4/6/2006	4/13/2006
083678-004A	I5SB-PO1-HA254-1.0	19	mg/Kg	27550	1.0	1	4/6/2006	4/13/2006
083678-005A	I5SB-PO1-HA255-0.6	6.3	mg/Kg	27550	1.0	1	4/6/2006	4/13/2006
083678-006A	I5SB-LOC-HA256-0.6	6.6	mg/Kg	27550	1.0	1	4/6/2006	4/13/2006
083678-007A	I5SB-LOC-HA257-0.6	110	mg/Kg	27550	1.0	1	4/6/2006	4/13/2006
083678-008A	I5SB-LOC-HA258-1.0	9.1	mg/Kg	27550	1.0	1	4/6/2006	4/13/2006
083678-009A	I5SB-LOC-HA259-0.6	31	mg/Kg	27550	1.0	1	4/6/2006	4/13/2006
083678-010A	I5SB-LOC-HA260-1.0	24	mg/Kg	27550	1.0	1	4/6/2006	4/13/2006
083678-011A	I5SB-LOC-HA261-0.6	34	mg/Kg	27550	1.0	1	4/6/2006	4/13/2006
083678-012A	I5SB-LOC-HA262-1.0	3.5	mg/Kg	27550	1.0	1	4/6/2006	4/13/2006
083678-013A	I5SB-LOC-HA263-1.0	9.7	mg/Kg	27550	1.0	1	4/6/2006	4/13/2006
083678-014A	I5SB-LOC-HA264-1.0	2.8	mg/Kg	27550	1.0	1	4/6/2006	4/13/2006
083678-015A	I5SB-LOC-HA265-1.0	4.7	mg/Kg	27550	1.0	1	4/6/2006	4/13/2006
083678-016A	I5SB-LEU-HA266-1.0	7.6	mg/Kg	27550	1.0	1	4/6/2006	4/13/2006
083678-017A	I5SB-LEU-HA267-1.0	5.8	mg/Kg	27550	1.0	1	4/6/2006	4/13/2006
083678-018A	I5SB-LEU-HA268-0.3	8.3	mg/Kg	27550	1.0	1	4/6/2006	4/13/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/21/2006

LEAD BY ICP
EPA 6010B

CLIENT:	Ninyo & Moore	**Lab Order:**	083678
Project:	CAL-TRANS, 105812001	**Date Received**	4/7/2006
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
083678-019A	I5SB-LEU-HA269-1.(	1.7	mg/Kg	27550	1.0	1	4/6/2006	4/13/2006
083678-020A	I5SB-LEU-HA270-0.:	25	mg/Kg	27550	1.0	1	4/6/2006	4/13/2006
083678-021A	I5SB-LEU-HA271-1.(	5.9	mg/Kg	27550	1.0	1	4/6/2006	4/13/2006
083678-022A	I5SB-LEU-HA272-0.(	2.7	mg/Kg	27550	1.0	1	4/6/2006	4/13/2006
083678-023A	I5SB-LEU-HA273-1.4	3.6	mg/Kg	27550	1.0	1	4/6/2006	4/13/2006
083678-024A	I5SB-LEU-HA274-0.(	3.0	mg/Kg	27551	1.0	1	4/6/2006	4/13/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/21/2006

LEAD BY ICP
EPA 6010B

CLIENT:	Ninyo & Moore	**Lab Order:**	083678
Project:	CAL-TRANS, 105812001	**Date Received**	4/7/2006
Project No:		**Matrix:**	Water
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
083678-025A	EQUIP-HA040606	ND	mg/L	27599	0.25	1	4/6/2006	4/13/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 4/21/2006

pH
EPA 9045C

CLIENT:	Ninyo & Moore	**Lab Order:**	083678
Project:	CAL-TRANS, 105812001	**Date Received**	4/7/2006
Project No:		**Matrix:**	Soil
Analyte:	pH	**Analyst:**	RSJ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
083678-001A	I5SB-PO1-HA251-0.3	7.2	pH Units	R62065	0.10	1	4/6/2006	4/11/2006

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083678
Project: CAL-TRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **MB-27548A** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62133**
Client ID: **PBS** Batch ID: **27548** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919317**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID: **LCS-27548** SampType: **LCS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62133**
Client ID: **LCSS** Batch ID: **27548** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919318**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	270	1.0	250.0	0	107	80	120				

Sample ID: **083677-008ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62133**
Client ID: **ZZZZZZ** Batch ID: **27548** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919329**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.2	1.0						5.127	0.968	20	

Sample ID: **083677-008AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62133**
Client ID: **ZZZZZZ** Batch ID: **27548** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919330**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	230	1.0	250.0	5.127	90.7	31	122				

Sample ID: **MB-27548B** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62133**
Client ID: **PBS** Batch ID: **27548** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919331**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083678
Project: CAL-TRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **083678-003ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62133**
Client ID: **I5SB-PO1-HA253-0.3** Batch ID: **27548** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919342**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.5	1.0						4.650	16.9	20	

Sample ID: **083678-003AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62133**
Client ID: **I5SB-PO1-HA253-0.3** Batch ID: **27548** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919343**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	240	1.0	250.0	4.650	93.6	31	122				

Sample ID: **083678-003AMSD** SampType: **MSD** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62133**
Client ID: **I5SB-PO1-HA253-0.3** Batch ID: **27548** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919344**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	240	1.0	250.0	4.650	94.2	31	122	238.7	0.624	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083678
Project: CAL-TRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **MB-27550A** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62142**
Client ID: **PBS** Batch ID: **27550** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919380**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID: **LCS-27550** SampType: **LCS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62142**
Client ID: **LCSS** Batch ID: **27550** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919381**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	280	1.0	250.0	0	111	80	120				

Sample ID: **083678-013ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62142**
Client ID: **I5SB-LOC-HA263-1.** Batch ID: **27550** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919392**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	23	1.0						9.670	80.2	20	R

Sample ID: **083678-013AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62142**
Client ID: **I5SB-LOC-HA263-1.** Batch ID: **27550** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919393**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	240	1.0	250.0	9.670	92.4	31	122				

Sample ID: **MB-27550B** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62142**
Client ID: **PBS** Batch ID: **27550** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919394**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID: **083678-023ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62142**
Client ID: **I5SB-LEU-HA273-1.4** Batch ID: **27550** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919405**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083678
Project: CAL-TRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **083678-023ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62142**
Client ID: **I5SB-LEU-HA273-1.4** Batch ID: **27550** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919405**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.0	1.0						3.575	17.7	20	

Sample ID: **083678-023AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62142**
Client ID: **I5SB-LEU-HA273-1.4** Batch ID: **27550** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919406**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	250	1.0	250.0	3.575	96.6	31	122				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083678
Project: CAL-TRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **MB-27551A** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62146**
Client ID: **PBS** Batch ID: **27551** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919427**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID: **LCS-27551** SampType: **LCS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62146**
Client ID: **LCSS** Batch ID: **27551** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919428**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	280	1.0	250.0	0	110	80	120				

Sample ID: **083679-009ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62146**
Client ID: **ZZZZZZ** Batch ID: **27551** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919439**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	45	1.0						43.52	3.95	20	

Sample ID: **083679-009AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62146**
Client ID: **ZZZZZZ** Batch ID: **27551** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919440**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	280	1.0	250.0	43.52	95.8	31	122				

Sample ID: **MB-27551B** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62146**
Client ID: **PBS** Batch ID: **27551** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919498**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID: **083679-019ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62146**
Client ID: **ZZZZZZ** Batch ID: **27551** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919509**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:
- E Value above quantitation range
- R RPD outside accepted recovery limits
- Calculations are based on raw values
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interferenc
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083678
Project: CAL-TRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **083679-019ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62146**
Client ID: **ZZZZZZ** Batch ID: **27551** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919509**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	6.5	1.0						5.237	21.6	20	R

Sample ID: **083679-019AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62146**
Client ID: **ZZZZZZ** Batch ID: **27551** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919510**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	220	1.0	250.0	5.237	87.4	31	122				

Sample ID: **083679-019AMSD** SampType: **MSD** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62146**
Client ID: **ZZZZZZ** Batch ID: **27551** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919511**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	230	1.0	250.0	5.237	89.3	31	122	223.6	2.20	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083678
Project: CAL-TRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_WPB

Sample ID: **MB-27599** SampType: **MBLK** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **4/12/2006** RunNo: **62106**
Client ID: **PBW** Batch ID: **27599** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **4/13/2006** SeqNo: **918857**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-27599** SampType: **LCS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **4/12/2006** RunNo: **62106**
Client ID: **LCSW** Batch ID: **27599** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **4/13/2006** SeqNo: **918858**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.0	0.25	1.000	0.007384	104	85	115				

Sample ID: **083678-025ADUP** SampType: **DUP** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **4/12/2006** RunNo: **62106**
Client ID: **EQUIP-HA040606** Batch ID: **27599** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **4/13/2006** SeqNo: **918861**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25						0	0	20	

Sample ID: **083678-025AMS** SampType: **MS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **4/12/2006** RunNo: **62106**
Client ID: **EQUIP-HA040606** Batch ID: **27599** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **4/13/2006** SeqNo: **918862**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.5	0.25	2.500	0	102	78	118				

Sample ID: **083678-025AMSD** SampType: **MSD** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **4/12/2006** RunNo: **62106**
Client ID: **EQUIP-HA040606** Batch ID: **27599** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **4/13/2006** SeqNo: **918863**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.5	0.25	2.500	0	102	78	118	2.540	0.0635	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083678
Project: CAL-TRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID: **083714-047ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: RunNo: **62065**
Client ID: **ZZZZZZ** Batch ID: **R62065** TestNo: **EPA 9045C** Analysis Date: **4/11/2006** SeqNo: **918293**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.5	0.10						8.700	2.09	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

THURSDAY 4-6-06

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: Br Date: 040806

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other:

Sample Condition Upon Receipt: 1. CHILLED Y☑ N☐ 5.7°C 4. SEALED Y☐ N☑ 2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☑ N☐ 3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☑ N☐

Client: Ninyo + Moore
Attn: Scott Snyder
Address: 5710 Ruffin Rd
City San Diego State CA Zip Code 92123
TEL: (858) 576-1000
FAX: ( )

Project Name: CAL-TRANS
Project #: 105812001
Sampler: (Printed Name) Andrew Lashomb (Signature)

Relinquished by: (Signature and Printed Name) Andrew Lashomb Date: 4/6/06 Time: Received by: (Signature and Printed Name) Date: 4/7/06 Time: 1500
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: 040806 Time: 0800
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Andrew Lashomb 4/6/06 (Print Name, Date)
Signature

Send Report To: Attn: Scott Snyder; Co: Ninyo + Moore; Address 5710 Ruffin Rd; City San Diego State CA Zip 92123

Bill To: Attn: SEE INFO; Co:; Address; City State Zip

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested; SPECIFY APPROPRIATE MATRIX; QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	8141-Pesticides	8151-Herbicides	5045C-Pb	6010B-Total Lead	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	083678-001	ISSB-P01-HA251-0.3	4/6/06	9:26										X	X	X	X	X				E	1	J G	C	NO PEST + HERB
	- 002	ISSB-P01-HA252-0.6	4/6/06	9:40													X	X								
	- 003	ISSB-P01-HA253-0.3	4/6/06	9:48													X	X								
	- 004	ISSB-P01-HA254-1.0	4/6/06	9:54													X	X								
	- 005	ISSB-P01-HA255-0.6	4/6/06	10:04													X	X								
	- 006	ISSB-LOC-HA256-0.6	4/6/06	10:08													X	X								
	- 007	ISSB-LOC-HA257-0.6	4/6/06	10:16													X	X								
	- 008	ISSB-LOC-HA258-1.0	4/6/06	10:26													X	X								
	- 009	ISSB-LOC-HA259-0.6	4/6/06	10:30													X	X								
	- 010	ISSB-LOC-HA260-1.0	4/6/06	10:45													X	X								

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr; B= Emergency Next workday; C= Critical 2 Workdays; D= Urgent 3 Workdays; E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

THURSDAY - 4-6-06

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: Pm Date: 4/7/06

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other:

Sample Condition Upon Receipt: 1. CHILLED Y☐ N☑ (5, 2 ok) 2. HEADSPACE (VOA) Y☐ N☐ 3. CONTAINER INTACT Y☑ N☐ 4. SEALED Y☐ N☑ 5. # OF SPLS MATCH COC Y☑ N☐ 6. PRESERVED Y☐ N☑

Client: Ninyo + Moore
Attn: Scott Snyder
Address: 5710 Ruffin Rd
City San Diego State CA Zip Code 92123
TEL: (858) 576-1000
FAX: ( )

Project Name: CAL-TRANS
Project #: 105812001
Sampler: (Printed Name) Andrew Lashomb (Signature)

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Andrew Lashomb	4/6/06			4/7/06	1800
				040806	0800

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Andrew Lashomb 4/6/06 (Print Name, Date)
Signature

Send Report To: Attn: Scott Snyder; Co: Ninyo + Moore; Address 5710 Ruffin Rd; City San Diego State CA Zip 92123

Bill To: Attn: SEE INFO; Co:; Address; City State Zip

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested; SPECIFY APPROPRIATE MATRIX

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	8141 Pesticides	8151 - Herbicides	90456 - PL	6010b-Total Lead	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Type	PRESERVATION	REMARKS
	083678-011	ISSB-LOC-HA261-0.6	4/6/06	11:02												X	X					E	1	J G	C	
	-012	ISSB-LOC-HA262-1.0		11:15												X	X						1			
	-013	ISSB-LOC-HA263-1.0		11:23												X	X						1			263
	-014	ISSB-LOC-HA264-1.0		11:33												X	X						1			
	-015	ISSB-LOC-HA265-1.0		11:46												X	X						1			
	-016	ISSB-LEU-HA266-1.0		13:20												X	X						1			
	-017	ISSB-LEU-HA267-1.0		13:28												X	X						1			13:28
	-018	ISSB-LEU-HA268-0.3		13:42												X	X						1			
	-019	ISSB-LEU-HA269-1.0		13:50												X	X						1			
	-020	ISSB-LEU-HA270-0.3		14:00												X	X						1			

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr; B= Emergency Next workday; C= Critical 2 Workdays; D= Urgent 3 Workdays; E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

THURSDAY 4-6-06 **CHAIN OF CUSTODY RECORD** Pg 3 of 3

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: BR Date: 040606

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other:

Sample Condition Upon Receipt: 1. CHILLED Y☑ N☐ (5.0°C) 2. HEADSPACE (VOA) Y☐ N☐ 3. CONTAINER INTACT Y☑ N☐ 4. SEALED Y☐ N☑ 5. # OF SPLS MATCH COC Y☑ N☐ 6. PRESERVED Y☑ N☑

Client: Ninyo + Moore
Attn: Scott Snyder
Address: 5710 Ruffin Rd
City: San Diego State: CA Zip Code: 92123
TEL: (858) 576-1000
FAX: ( )

Project Name: CAL-TRANS Project #: 105812001 Sampler: (Printed Name) Andrew Lashomb (Signature)

Relinquished by: (Signature and Printed Name)	Date	Time	Received by: (Signature and Printed Name)	Date	Time
Andrew Lashomb	4-6-06		ATL	4/7/06	1800
				040606	0800

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Andrew Lashomb 4-6-06 (Print Name, Date)
Signature

Send Report To: Attn: Scott Snyder; Co: Ninyo + Moore; Address: 5710 Ruffin Rd; City: SD State: CA Zip: 92123

Bill To: Attn: SEE INFO; Co:; Address:; City: State: Zip:

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested: 8081A (Pesticides), 8082 (PCB), 8260B (Volatiles), 8270C (BNA), 6010B (Total Metal), 8015B (GRO) / BTEX, 8015B (DRO), 8141 - Pesticides, 8151 - Herbicides, 7045C - Pb, 6010b - Total Lead

SPECIFY APPROPRIATE MATRIX: SOIL, WATER, GROUND WATER, WASTEWATER

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / BTEX	8015B (DRO)	8141 - Pesticides	8151 - Herbicides	7045C - Pb	6010b - Total Lead	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	0406078-004	I5SB-LEU-HA271-1.0	4/6/06	14:18										X		X				E	1	JG	C	
	-002	I5SB-LEU-HA272-0.6	"	14:28										X		X				E	1	JG	C	
	-003	I5SB-LEU-HA273-1.4	"	14:35										X		X				E	1	JG	C	
	-004	I5SB-LEU-HA274-0.6		14:45										X		X				E	1	JG	C	
	-005	EQUIP-HA040606		15:15										X			X			E	1	PP	N	

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr; B= Emergency Next workday; C= Critical 2 Workdays; D= Urgent 3 Workdays; E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

May 11, 2006

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 083678

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

RE: CAL-TRANS, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on April 07, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: *11-May-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5SB-LOC-HA257-0.6
Lab Order:	083678	**Tag Number:**	
Project:	CAL-TRANS, 105812001	**Collection Date:**	4/6/2006 10:16:00 AM
Lab ID:	083678-007A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
LEAD BY ATOMIC ABSORPTION						
			WET DI/ EPA 7420			
RunID: AA2_060508E	QC Batch: R63078			PrepDate:		Analyst: **NS**
Lead	0.92	0.25		mg/L	1	5/8/2006
LEAD BY ATOMIC ABSORPTION						
			WET/ EPA 7420			
RunID: AA2_060508G	QC Batch: R63093			PrepDate:		Analyst: **NS**
Lead	8.6	0.25		mg/L	1	5/8/2006
LEAD BY ATOMIC ABSORPTION						
	EPA 3010A		**EPA 1311/ 7420**			
RunID: AA2_060508B	QC Batch: 27895			PrepDate:	5/5/2006	Analyst: **NS**
Lead	ND	1.2		mg/L	1	5/8/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *11-May-06*

CLIENT: Ninyo & Moore
Work Order: 083678
Project: CAL-TRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID: **MB-27868** SampType: **MBLK** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **PBS** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932905**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **MB-27868A** SampType: **MBLK** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **PBS** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932906**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **LCS-27868** SampType: **LCS** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **LCSS** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932907**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.07	0.25	5.000	0	101	80	120				

Sample ID: **083679-013A-DUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **ZZZZZZ** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932918**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25						0	0	20	

Sample ID: **083679-013AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **ZZZZZZ** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932919**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.22	0.25	5.000	0	104	70	130				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083678
Project: CAL-TRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID: **MB-27868B** SampType: **MBLK** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **PBS** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932920**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **083679-024A-DUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **ZZZZZZ** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932922**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.22	0.25						0.5146	0	20	

Sample ID: **083679-024AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **ZZZZZZ** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932923**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.79	0.25	5.000	0.5146	106	70	130				

Sample ID: **083679-024AMSD** SampType: **MSD** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **ZZZZZZ** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932924**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.68	0.25	5.000	0.5146	103	70	130	5.790	1.86	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083678
Project: CAL-TRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **MB-27903** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **PBS** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933192**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **MB-27903A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **PBS** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933193**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **LCS-27903** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **LCSS** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933194**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.98	0.25	5.000	0	99.6	80	120				

Sample ID: **083253-008A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **ZZZZZZ** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933205**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.99	0.25						6.232	44.0	20	R

Sample ID: **083253-008AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **ZZZZZZ** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933206**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	10.92	0.50	5.000	6.232	93.8	70	130				

Sample ID: **MB-27903B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **PBS** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933207**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083678
Project: CAL-TRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **MB-27903B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **PBS** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933207**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **083679-024A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **ZZZZZZ** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933215**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.60	0.25						7.582	0.218	20	

Sample ID: **083679-024AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **ZZZZZZ** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933216**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12.63	0.50	5.000	7.582	101	70	130				

Sample ID: **083679-024AMSD** SampType: **MSD** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **ZZZZZZ** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933217**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12.54	0.50	5.000	7.582	99.2	70	130	12.63	0.651	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083678
Project: CAL-TRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID: **MB-27895A** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **PBS** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932819**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **MB-27889A TCLP 1** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **PBS** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932820**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	1.2									

Sample ID: **LCS-27895** SampType: **LCS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **LCSS** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932821**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.94	0.25	1.000	0	94.1	80	120				

Sample ID: **083936-001A-DUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **ZZZZZZ** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932832**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	1.2						0	0	20	

Sample ID: **083936-001A-MS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **ZZZZZZ** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932833**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12.59	1.2	12.50	0	101	70	130				

Sample ID: **MB-27895A** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **PBS** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932834**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

CLIENT: Ninyo & Moore
Work Order: 083678
Project: CAL-TRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID: **MB-27895A** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **PBS** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932834**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **MB-27889B TCLP 1** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **PBS** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932835**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	1.2									

Sample ID: **084015-002A-DUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **ZZZZZZ** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932838**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	1.2						0	0	20	

Sample ID: **084015-002A-MS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **ZZZZZZ** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932839**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	13.53	1.2	12.50	0	108	70	130				

Sample ID: **084015-002A-MSD** SampType: **MSD** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **ZZZZZZ** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932840**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	13.45	1.2	12.50	0	108	70	130	13.53	0.583	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Rachelle Arada

From: Scott Snyder [ssnyder@ninyoandmoore.com]
Sent: Tuesday, May 02, 2006 9:21 AM
To: Rachelle Arada
Subject: Additional analyses Part 2

Rachelle,

I need to have these samples, that you have already analyzed for total lead, analyzed for leachable lead.

WET (both using standard extractant and DI water):
I5NB-OSD-HA154-0.6
I5NB-OSD-HA155-0.3
I5NB-OSD-HA156-0.3
I5NB-OSD-HA157-0.3
I5NB-OSD-HA160-0.3
I5NB-MIS-HA162-0.3
I5NB-MIS-HA163-0.3
I5SB-VAN-HA172-0.3
I5SB-HAR-HA174-0.6
I5SB-HAR-HA175-0.6
I5SB-CSH-HA176-0.3
I5SB-CVD-HA211-0.3
I5SB-TAM-HA220-0.3
I5SB-PAC-HA239-0.3
I5SB-POI-HA250-0.3
I5SB-LOC-HA257-0.6
I5SB-SAN-HA286-0.3

TCLP:
I5NB-OSD-HA155-0.3
I5NB-OSD-HA157-0.3
I5NB-MIS-HA162-0.3
I5NB-MIS-HA163-0.3
I5SB-CVD-HA211-0.3
I5SB-TAM-HA220-0.3
I5SB-POI-HA250-0.3
I5SB-LOC-HA257-0.6
I5SB-SAN-HA286-0.3

Please call if you have questions.

Thanks,
Scott

Scott Snyder, PG, HG
Senior Hydrogeologist
Ninyo & Moore
5710 Ruffin Road
San Diego, California 92122
858.576.1000 x1255

April 21, 2006

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 083677

RE: CALTRANS, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on April 07, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: *21-Apr-06*

CLIENT: Ninyo & Moore
Project: CALTRANS, 105812001
Lab Order: 083677
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
083677-001A	I5SB-LEV-HA275-0.3	Soil	4/7/2006	4/7/2006	4/21/2006
083677-002A	I5SB-ENC-HA276-0.3	Soil	4/7/2006	4/7/2006	4/21/2006
083677-003A	I5SB-ENC-HA277-0.6	Soil	4/7/2006	4/7/2006	4/21/2006
083677-004A	I5SB-ENC-HA278-1.0	Soil	4/7/2006	4/7/2006	4/21/2006
083677-005A	I5SB-ENC-HA279-0.6	Soil	4/7/2006	4/7/2006	4/21/2006
083677-006A	I5SB-ENC-HA280-1.0	Soil	4/7/2006	4/7/2006	4/21/2006
083677-007A	I5SB-ENC-HA281-0.6	Soil	4/7/2006	4/7/2006	4/21/2006
083677-008A	I5SB-ENC-HA282-0.6	Soil	4/7/2006	4/7/2006	4/21/2006
083677-009A	I5SB-ENC-HA283-0.3	Soil	4/7/2006	4/7/2006	4/21/2006
083677-010A	I5SB-SAN-HA284-0.6	Soil	4/7/2006	4/7/2006	4/21/2006
083677-011A	I5SB-SAN-HA285-0.3	Soil	4/7/2006	4/7/2006	4/21/2006
083677-012A	I5SB-SAN-HA286-0.3	Soil	4/7/2006	4/7/2006	4/21/2006
083677-013A	I5SB-SAN-HA287-1.0	Soil	4/7/2006	4/7/2006	4/21/2006
083677-014A	I5SB-SAN-HA288-0.3	Soil	4/7/2006	4/7/2006	4/21/2006
083677-015A	I5SB-SAN-HA289-0.6	Soil	4/7/2006	4/7/2006	4/21/2006
083677-016A	Equip-HA040706	Water	4/7/2006	4/7/2006	4/21/2006

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/21/2006

LEAD BY ICP
EPA 6010B

CLIENT:	Ninyo & Moore	**Lab Order:**	083677
Project:	CALTRANS, 105812001	**Date Received**	4/7/2006
Project No:		**Matrix:**	Soil
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
083677-001A	I5SB-LEV-HA275-0.3	2.8	mg/Kg	27548	1.0	1	4/7/2006	4/13/2006
083677-002A	I5SB-ENC-HA276-0.3	6.6	mg/Kg	27548	1.0	1	4/7/2006	4/13/2006
083677-003A	I5SB-ENC-HA277-0.6	5.8	mg/Kg	27548	1.0	1	4/7/2006	4/13/2006
083677-004A	I5SB-ENC-HA278-1.0	1.1	mg/Kg	27548	1.0	1	4/7/2006	4/13/2006
083677-005A	I5SB-ENC-HA279-0.6	2.5	mg/Kg	27548	1.0	1	4/7/2006	4/13/2006
083677-006A	I5SB-ENC-HA280-1.0	44	mg/Kg	27548	1.0	1	4/7/2006	4/13/2006
083677-007A	I5SB-ENC-HA281-0.6	2.4	mg/Kg	27548	1.0	1	4/7/2006	4/13/2006
083677-008A	I5SB-ENC-HA282-0.6	5.1	mg/Kg	27548	1.0	1	4/7/2006	4/13/2006
083677-009A	I5SB-ENC-HA283-0.3	9.1	mg/Kg	27548	1.0	1	4/7/2006	4/13/2006
083677-010A	I5SB-SAN-HA284-0.6	16	mg/Kg	27548	1.0	1	4/7/2006	4/13/2006
083677-011A	I5SB-SAN-HA285-0.3	7.7	mg/Kg	27548	1.0	1	4/7/2006	4/13/2006
083677-012A	I5SB-SAN-HA286-0.3	110	mg/Kg	27548	1.0	1	4/7/2006	4/13/2006
083677-013A	I5SB-SAN-HA287-1.0	5.3	mg/Kg	27548	1.0	1	4/7/2006	4/13/2006
083677-014A	I5SB-SAN-HA288-0.3	7.1	mg/Kg	27548	1.0	1	4/7/2006	4/13/2006
083677-015A	I5SB-SAN-HA289-0.6	6.8	mg/Kg	27548	1.0	1	4/7/2006	4/13/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: 4/21/2006

LEAD BY ICP
EPA 6010B

CLIENT:	Ninyo & Moore	**Lab Order:**	083677
Project:	CALTRANS, 105812001	**Date Received**	4/7/2006
Project No:		**Matrix:**	Water
Analyte:	Lead	**Analyst:**	RQ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
083677-016A	Equip-HA040706	ND	mg/L	27535	0.25	1	4/7/2006	4/11/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: 4/21/2006

pH
EPA 9045C

CLIENT:	Ninyo & Moore	**Lab Order:**	083677
Project:	CALTRANS, 105812001	**Date Received**	4/7/2006
Project No:		**Matrix:**	Soil
Analyte:	pH	**Analyst:**	RSJ

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
083677-001A	15SB-LEV-HA275-0.3	4.8	pH Units	R62065	0.10	1	4/7/2006	4/11/2006

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083677
Project: CALTRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **MB-27548A** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62133**
Client ID: **PBS** Batch ID: **27548** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919317**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Sample ID: **LCS-27548** SampType: **LCS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62133**
Client ID: **LCSS** Batch ID: **27548** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919318**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	270	1.0	250.0	0	107	80	120				

Sample ID: **083677-008ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62133**
Client ID: **I5SB-ENC-HA282-0.** Batch ID: **27548** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919329**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.2	1.0						5.127	0.968	20	

Sample ID: **083677-008AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62133**
Client ID: **I5SB-ENC-HA282-0.** Batch ID: **27548** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919330**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	230	1.0	250.0	5.127	90.7	31	122				

Sample ID: **MB-27548B** SampType: **MBLK** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62133**
Client ID: **PBS** Batch ID: **27548** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919331**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 083677
Project: CALTRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB_NM

Sample ID: **083678-003ADUP** SampType: **DUP** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62133**
Client ID: **ZZZZZZ** Batch ID: **27548** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919342**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.5	1.0						4.650	16.9	20	

Sample ID: **083678-003AMS** SampType: **MS** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62133**
Client ID: **ZZZZZZ** Batch ID: **27548** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919343**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	240	1.0	250.0	4.650	93.6	31	122				

Sample ID: **083678-003AMSD** SampType: **MSD** TestCode: **6010_SPB_N** Units: **mg/Kg** Prep Date: **4/13/2006** RunNo: **62133**
Client ID: **ZZZZZZ** Batch ID: **27548** TestNo: **EPA 6010B** **EPA 3050M** Analysis Date: **4/13/2006** SeqNo: **919344**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	240	1.0	250.0	4.650	94.2	31	122	238.7	0.624	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083677
Project: CALTRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_WPB

Sample ID: **MB-27535** SampType: **MBLK** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **4/10/2006** RunNo: **61963**
Client ID: **PBW** Batch ID: **27535** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **4/11/2006** SeqNo: **916960**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: **LCS-27535** SampType: **LCS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **4/10/2006** RunNo: **61963**
Client ID: **LCSW** Batch ID: **27535** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **4/11/2006** SeqNo: **916961**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.0	0.25	1.000	0	101	85	115				

Sample ID: **083628-001CDUP** SampType: **DUP** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **4/10/2006** RunNo: **61963**
Client ID: **ZZZZZZ** Batch ID: **27535** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **4/11/2006** SeqNo: **916963**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25						0	0	20	

Sample ID: **083628-001CMS** SampType: **MS** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **4/10/2006** RunNo: **61963**
Client ID: **ZZZZZZ** Batch ID: **27535** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **4/11/2006** SeqNo: **916964**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.3	0.25	2.500	0	91.8	78	118				

Sample ID: **083628-001CMSD** SampType: **MSD** TestCode: **6010_WPB** Units: **mg/L** Prep Date: **4/10/2006** RunNo: **61963**
Client ID: **ZZZZZZ** Batch ID: **27535** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **4/11/2006** SeqNo: **916965**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.4	0.25	2.500	0	95.7	78	118	2.295	4.16	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083677
Project: CALTRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID: **083714-047ADUP** SampType: **DUP** TestCode: **9045_S** Units: **pH Units** Prep Date: RunNo: **62065**
Client ID: **ZZZZZZ** Batch ID: **R62065** TestNo: **EPA 9045C** Analysis Date: **4/11/2006** SeqNo: **918293**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.5	0.10						8.700	2.09	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

FRIDAY 4-7-06

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: BM Date: 04/08/06

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other:

Sample Condition Upon Receipt: 1. CHILLED Y☑ N☐ (5, 4N C) 4. SEALED Y☐ N☑ 2. HEADSPACE (VOA) Y☐ N☑ 5. # OF SPLS MATCH COC Y☑ N☐ 3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☑

Client: NINYO + MOORE
Attn: SCOTT SNYDER
Address: 5710 RUFFIN RD
City SAN DIEGO State CA Zip Code 92123
TEL: (858) 576-1000
FAX: ( )

Project Name: CALTRANS
Project #: 106812001
Sampler: (Printed Name) Andrew Lashomb (Signature)

Relinquished by: (Signature and Printed Name)	Date	Time	Received by: (Signature and Printed Name)	Date	Time
Andrew Lashomb	4-7-06	1805	ATL	4/7/06	1805
				04/08/06	0900

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Andrew Lashomb 4-7-06 (Print Name, Date)
Signature

Send Report To: Attn: SCOTT SNYDER Co: NINYO + MOORE Address 5710 RUFFIN RD City SD State CA Zip 92123

Bill To: Attn: SEE INFO Co: Address City State Zip

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested: 8081A (Pesticides), 8082 (PCB), 8260B (Volatiles), 8270C (BNA), 6010B (Total Metal), 8015B (GRO) / 8020 (BTEX), 8015B (DRO), 8021 (BTEX), TITLE 22 / CAM 17 (6010 / 7000), 8141 - Pesticide, 8151 - Herbicide, 9045C - pH, 6010B - Total Lead

SPECIFY APPROPRIATE MATRIX: SOIL, WATER, GROUND WATER, WASTEWATER

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A	8082	8260B	8270C	6010B	8015B (GRO) / 8020	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17	8141	8151	9045C	6010B	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	083677-001	I5SB-LEV-HA275-0.3	4/7/06	9:40											X	X		X				E	1	J	G	C	
	-002	I5SB-ENC-HA276-0.3	"	9:52												X		X					1				
	-003	I5SB-ENC-HA277-0.6	"	10:02												X		X					1				
	-004	I5SB-ENC-HA278-1.0	"	10:16												X		X					1				
	-005	I5SB-ENC-HA279-0.6	"	10:35												X		X					1				
	-006	I5SB-ENC-HA280-1.0	"	10:52												X		X					1				
	-007	I5SB-ENC-HA281-0.6	"	11:11												X		X					1				
	-008	I5SB-ENC-HA282-0.6	"	11:20												X		X					1				
	-009	I5SB-ENC-HA283-0.3		11:30												X		X					1				
	-010	I5SB-SAN-HA284-0.6		13:00												X		X					1				

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

FRIDAY 4-7-06

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: Bn Date: 04/08/06

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other:

Sample Condition Upon Receipt
1. CHILLED 5.4°C Y☑ N☐ 4. SEALED Y☐ N☑
2. HEADSPACE (VOA) Y☐ N☑ 5. # OF SPLS MATCH COC Y☑ N☐
3. CONTAINER INTACT Y☐ N☑ 6. PRESERVED Y☑ N☐

Client: NINYO + MOORE
Attn: SCOTT SNYDER
Address: 5710 RUFFIN RD
City SAN DIEGO State CA Zip Code 92123
TEL: (858) 576-1000
FAX: ( )

Project Name: CALTRANS Project #: 105812001 Sampler: (Printed Name) ANDREW LASHOMB (Signature)

Relinquished by: (Signature and Printed Name) Andrew Lashomb Date: 4-7-06 Time: 1605 Received by: (Signature and Printed Name) Date: 4/7/06 Time: 1808
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: 04/08/06 Time: 0820
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: ANDREW LASHOMB 4-7-06 (Print Name, Date)
Signature

Send Report To:
Attn: SCOTT SNYDER
Co: NINYO + MOORE
Address 5710 RUFFIN RD
City SD State CA Zip 92123

Bill To:
Attn: SEE INFO
Co:
Address
City State Zip

Special Instructions/Comments:

Sample/Records - Archival & Disposal
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- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	8141 - Pesticide	8151 - Herbicide	9045C - pH	6010B - Total Lead	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	083677-011	ISSB-SAN-HA285-0.3	4/7/06	13:19												X		X				E	1	J G	C	
	-012	ISSB-SAN-HA286-0.3	"	13:26												X		X					1			
	-013	ISSB-SAN-HA287-1.0	"	13:41												X		X					1			
	-014	ISSB-SAN-HA288-0.3	"	13:52												X		X					1			
	-015	ISSB-SAN-HA289-0.5	"	14:10												X		X					1			1410
	-016	Equip-HA040706	"	14:35												X			X			E	1	P P	N	

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

May 11, 2006

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 083677

RE: CALTRANS, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on April 07, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: *11-May-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5SB-SAN-HA286-0.3
Lab Order:	083677	**Tag Number:**	
Project:	CALTRANS, 105812001	**Collection Date:**	4/7/2006 1:26:00 PM
Lab ID:	083677-012A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
LEAD BY ATOMIC ABSORPTION						
			WET DI/ EPA 7420			
RunID: AA2_060508E	QC Batch: R63078			PrepDate:		Analyst: **NS**
Lead	0.83	0.25		mg/L	1	5/8/2006
LEAD BY ATOMIC ABSORPTION						
			WET/ EPA 7420			
RunID: AA2_060508G	QC Batch: R63093			PrepDate:		Analyst: **NS**
Lead	6.0	0.25		mg/L	1	5/8/2006
LEAD BY ATOMIC ABSORPTION						
	EPA 3010A		**EPA 1311/ 7420**			
RunID: AA2_060508B	QC Batch: 27895			PrepDate:	5/5/2006	Analyst: **NS**
Lead	ND	1.2		mg/L	1	5/8/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *11-May-06*

CLIENT: Ninyo & Moore
Work Order: 083677
Project: CALTRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID: **MB-27868** SampType: **MBLK** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **PBS** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932905**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **MB-27868A** SampType: **MBLK** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **PBS** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932906**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **LCS-27868** SampType: **LCS** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **LCSS** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932907**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.07	0.25	5.000	0	101	80	120				

Sample ID: **083679-013A-DUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **ZZZZZZ** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932918**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25						0	0	20	

Sample ID: **083679-013AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **ZZZZZZ** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932919**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.22	0.25	5.000	0	104	70	130				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

CLIENT: Ninyo & Moore
Work Order: 083677
Project: CALTRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_DI

Sample ID: **MB-27868B** SampType: **MBLK** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **PBS** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932920**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **083679-024A-DUP** SampType: **DUP** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **ZZZZZZ** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932922**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.22	0.25						0.5146	0	20	

Sample ID: **083679-024AMS** SampType: **MS** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **ZZZZZZ** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932923**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.79	0.25	5.000	0.5146	106	70	130				

Sample ID: **083679-024AMSD** SampType: **MSD** TestCode: **7420_DI** Units: **mg/L** Prep Date: RunNo: **63078**
Client ID: **ZZZZZZ** Batch ID: **R63078** TestNo: **WET DI/ EPA** Analysis Date: **5/8/2006** SeqNo: **932924**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.68	0.25	5.000	0.5146	103	70	130	5.790	1.86	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
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CLIENT: Ninyo & Moore
Work Order: 083677
Project: CALTRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **MB-27903** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **PBS** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933192**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **MB-27903A** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **PBS** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933193**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **LCS-27903** SampType: **LCS** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **LCSS** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933194**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4.98	0.25	5.000	0	99.6	80	120				

Sample ID: **083253-008A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **ZZZZZZ** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933205**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.99	0.25						6.232	44.0	20	R

Sample ID: **083253-008AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **ZZZZZZ** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933206**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	10.92	0.50	5.000	6.232	93.8	70	130				

Sample ID: **MB-27903B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **PBS** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933207**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083677
Project: CALTRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: **MB-27903B** SampType: **MBLK** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **PBS** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933207**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **083679-024A-DUP** SampType: **DUP** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **ZZZZZZ** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933215**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	7.60	0.25						7.582	0.218	20	

Sample ID: **083679-024AMS** SampType: **MS** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **ZZZZZZ** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933216**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12.63	0.50	5.000	7.582	101	70	130				

Sample ID: **083679-024AMSD** SampType: **MSD** TestCode: **7420_ST** Units: **mg/L** Prep Date: RunNo: **63093**
Client ID: **ZZZZZZ** Batch ID: **R63093** TestNo: **WET/ EPA 74** Analysis Date: **5/8/2006** SeqNo: **933217**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12.54	0.50	5.000	7.582	99.2	70	130	12.63	0.651	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083677
Project: CALTRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID: **MB-27895A** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **PBS** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932819**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **MB-27889A TCLP 1** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **PBS** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932820**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	1.2									

Sample ID: **LCS-27895** SampType: **LCS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **LCSS** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932821**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.94	0.25	1.000	0	94.1	80	120				

Sample ID: **083936-001A-DUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **ZZZZZZ** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932832**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	1.2						0	0	20	

Sample ID: **083936-001A-MS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **ZZZZZZ** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932833**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	12.59	1.2	12.50	0	101	70	130				

Sample ID: **MB-27895A** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **PBS** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932834**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:
- E Value above quantitation range
- R RPD outside accepted recovery limits
- Calculations are based on raw values
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interferenc
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

CLIENT: Ninyo & Moore
Work Order: 083677
Project: CALTRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_TC

Sample ID: **MB-27895A** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **PBS** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932834**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	0.25									

Sample ID: **MB-27889B TCLP 1** SampType: **MBLK** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **PBS** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932835**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	1.2									

Sample ID: **084015-002A-DUP** SampType: **DUP** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **ZZZZZZ** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932838**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00	1.2						0	0	20	

Sample ID: **084015-002A-MS** SampType: **MS** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **ZZZZZZ** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932839**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	13.53	1.2	12.50	0	108	70	130				

Sample ID: **084015-002A-MSD** SampType: **MSD** TestCode: **7420_TC** Units: **mg/L** Prep Date: **5/5/2006** RunNo: **63072**
Client ID: **ZZZZZZ** Batch ID: **27895** TestNo: **EPA 1311/ 74 EPA 3010A** Analysis Date: **5/8/2006** SeqNo: **932840**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	13.45	1.2	12.50	0	108	70	130	13.53	0.583	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Rachelle Arada

From: Scott Snyder [ssnyder@ninyoandmoore.com]
Sent: Tuesday, May 02, 2006 9:21 AM
To: Rachelle Arada
Subject: Additional analyses Part 2

Rachelle,

I need to have these samples, that you have already analyzed for total lead, analyzed for leachable lead.

WET (both using standard extractant and DI water):
I5NB-OSD-HA154-0.6
I5NB-OSD-HA155-0.3
I5NB-OSD-HA156-0.3
I5NB-OSD-HA157-0.3
I5NB-OSD-HA160-0.3
I5NB-MIS-HA162-0.3
I5NB-MIS-HA163-0.3
I5SB-VAN-HA172-0.3
I5SB-HAR-HA174-0.6
I5SB-HAR-HA175-0.6
I5SB-CSH-HA176-0.3
I5SB-CVD-HA211-0.3
I5SB-TAM-HA220-0.3
I5SB-PAC-HA239-0.3
I5SB-POI-HA250-0.3
I5SB-LOC-HA257-0.6
I5SB-SAN-HA286-0.3

TCLP:
I5NB-OSD-HA155-0.3
I5NB-OSD-HA157-0.3
I5NB-MIS-HA162-0.3
I5NB-MIS-HA163-0.3
I5SB-CVD-HA211-0.3
I5SB-TAM-HA220-0.3
I5SB-POI-HA250-0.3
I5SB-LOC-HA257-0.6
I5SB-SAN-HA286-0.3

Please call if you have questions.

Thanks,
Scott

Scott Snyder, PG, HG
Senior Hydrogeologist
Ninyo & Moore
5710 Ruffin Road
San Diego, California 92122
858.576.1000 x1255

May 26, 2006

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 084439

RE: Caltrans I-5, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on May 15, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: *26-May-06*

CLIENT: Ninyo & Moore
Project: Caltrans I-5, 105812001
Lab Order: 084439
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
084439-001A	I5NB-OLY-HA290-1.0	Soil	5/15/2006	5/15/2006	5/26/2006
084439-001B	I5NB-OLY-HA290-1.0	Soil	5/15/2006	5/15/2006	5/26/2006
084439-001C	I5NB-OLY-HA290-1.0	Soil	5/15/2006	5/15/2006	5/26/2006
084439-002A	I5NB-OLY-HA291-1.0	Soil	5/15/2006	5/15/2006	5/26/2006
084439-002B	I5NB-OLY-HA291-1.0	Soil	5/15/2006	5/15/2006	5/26/2006
084439-002C	I5NB-OLY-HA291-1.0	Soil	5/15/2006	5/15/2006	5/26/2006
084439-003A	I5NB-OLY-HA292-1.0	Soil	5/15/2006	5/15/2006	5/26/2006
084439-003B	I5NB-OLY-HA292-1.0	Soil	5/15/2006	5/15/2006	5/26/2006
084439-003C	I5NB-OLY-HA292-1.0	Soil	5/15/2006	5/15/2006	5/26/2006
084439-004A	I5NB-OLY-HA293-1.0	Soil	5/15/2006	5/15/2006	5/26/2006
084439-004B	I5NB-OLY-HA293-1.0	Soil	5/15/2006	5/15/2006	5/26/2006
084439-004C	I5NB-OLY-HA293-1.0	Soil	5/15/2006	5/15/2006	5/26/2006
084439-005A	I5NB-OLY-HA294-1.0	Soil	5/15/2006	5/15/2006	5/26/2006
084439-005B	I5NB-OLY-HA294-1.0	Soil	5/15/2006	5/15/2006	5/26/2006
084439-005C	I5NB-OLY-HA294-1.0	Soil	5/15/2006	5/15/2006	5/26/2006
084439-006A	Equip-HA-051506	Water	5/15/2006	5/15/2006	5/26/2006

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CASE NARRATIVE

The samples for EPA 8141 analysis were subcontracted to D-tek Analytical Laboratories, Inc. with ELAP Cert. 2344.

The samples for EPA 8151 analysis were subcontracted to Sierra Analytical Laboratories, Inc. with ELAP Cert. 2320.

Analytical Comments for EPA 6010B

RPD for Sample Duplicate (DUP) is outside criteria for sample 084439-005ADUP; however, the Laboratory Control Sample (LCS) validated the analytical batch.

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *26-May-06*

CLIENT: Ninyo & Moore
Lab Order: 084439
Project: Caltrans I-5, 105812001
Lab ID: 084439-001

Client Sample ID: I5NB-OLY-HA290-1.0
Collection Date: 5/15/2006 10:15:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP5_060517C	QC Batch: 28080			PrepDate:	5/17/2006	Analyst: **RQ**
Antimony	ND	2.0		mg/Kg	1	5/17/2006
Arsenic	2.1	1.0		mg/Kg	1	5/17/2006
Barium	15	1.0		mg/Kg	1	5/17/2006
Beryllium	ND	1.0		mg/Kg	1	5/17/2006
Cadmium	ND	1.0		mg/Kg	1	5/17/2006
Chromium	18	1.0		mg/Kg	1	5/17/2006
Cobalt	2.0	1.0		mg/Kg	1	5/17/2006
Copper	3.0	2.0		mg/Kg	1	5/17/2006
Lead	200	1.0		mg/Kg	1	5/17/2006
Molybdenum	ND	1.0		mg/Kg	1	5/17/2006
Nickel	2.5	1.0		mg/Kg	1	5/17/2006
Selenium	ND	1.0		mg/Kg	1	5/17/2006
Silver	ND	1.0		mg/Kg	1	5/17/2006
Thallium	ND	1.0		mg/Kg	1	5/17/2006
Vanadium	21	1.0		mg/Kg	1	5/17/2006
Zinc	63	1.0		mg/Kg	1	5/17/2006
ORGANOCHLORINE PESTICIDES BY GC/ECD						
	EPA 3550B			**EPA 8081A**		
RunID: GC9_060518A	QC Batch: 28089			PrepDate:	5/17/2006	Analyst: **EES**
4,4´-DDD	ND	2.0		µg/Kg	1	5/18/2006
4,4´-DDE	ND	2.0		µg/Kg	1	5/18/2006
4,4´-DDT	ND	2.0		µg/Kg	1	5/18/2006
Aldrin	ND	1.0		µg/Kg	1	5/18/2006
alpha-BHC	ND	1.0		µg/Kg	1	5/18/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	5/18/2006
beta-BHC	ND	1.0		µg/Kg	1	5/18/2006
Chlordane	ND	8.5		µg/Kg	1	5/18/2006
delta-BHC	ND	1.0		µg/Kg	1	5/18/2006
Dieldrin	ND	2.0		µg/Kg	1	5/18/2006
Endosulfan I	ND	1.0		µg/Kg	1	5/18/2006
Endosulfan II	ND	2.0		µg/Kg	1	5/18/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	5/18/2006
Endrin	ND	2.0		µg/Kg	1	5/18/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	5/18/2006
Endrin ketone	ND	2.0		µg/Kg	1	5/18/2006
gamma-BHC	ND	1.0		µg/Kg	1	5/18/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	5/18/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *26-May-06*

CLIENT: Ninyo & Moore
Lab Order: 084439
Project: Caltrans I-5, 105812001
Lab ID: 084439-001

Client Sample ID: I5NB-OLY-HA290-1.0
Collection Date: 5/15/2006 10:15:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3550B				**EPA 8081A**		
RunID: GC9_060518A	QC Batch: 28089			PrepDate:	5/17/2006	Analyst: **EES**
Heptachlor	ND	1.0		µg/Kg	1	5/18/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	5/18/2006
Methoxychlor	ND	8.5		µg/Kg	1	5/18/2006
Toxaphene	ND	85		µg/Kg	1	5/18/2006
Surr: Decachlorobiphenyl	81.2	59-127		%REC	1	5/18/2006
Surr: Tetrachloro-m-xylene	88.6	60-109		%REC	1	5/18/2006
MERCURY BY COLD VAPOR TECHNIQUE						
EPA 7471				**EPA 7471A**		
RunID: AA5_060518C	QC Batch: 28085			PrepDate:	5/17/2006	Analyst: **NS**
Mercury	ND	0.10		mg/Kg	1	5/18/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *26-May-06*

CLIENT: Ninyo & Moore
Lab Order: 084439
Project: Caltrans I-5, 105812001
Lab ID: 084439-002

Client Sample ID: I5NB-OLY-HA291-1.0
Collection Date: 5/15/2006 10:35:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP5_060517C	QC Batch: 28080			PrepDate:	5/17/2006	Analyst: **RQ**
Antimony	ND	2.0		mg/Kg	1	5/17/2006
Arsenic	2.7	1.0		mg/Kg	1	5/17/2006
Barium	49	1.0		mg/Kg	1	5/17/2006
Beryllium	ND	1.0		mg/Kg	1	5/17/2006
Cadmium	ND	1.0		mg/Kg	1	5/17/2006
Chromium	9.5	1.0		mg/Kg	1	5/17/2006
Cobalt	15	1.0		mg/Kg	1	5/17/2006
Copper	3.0	2.0		mg/Kg	1	5/17/2006
Lead	3.1	1.0		mg/Kg	1	5/17/2006
Molybdenum	ND	1.0		mg/Kg	1	5/17/2006
Nickel	7.5	1.0		mg/Kg	1	5/17/2006
Selenium	ND	1.0		mg/Kg	1	5/17/2006
Silver	ND	1.0		mg/Kg	1	5/17/2006
Thallium	ND	1.0		mg/Kg	1	5/17/2006
Vanadium	24	1.0		mg/Kg	1	5/17/2006
Zinc	15	1.0		mg/Kg	1	5/17/2006
ORGANOCHLORINE PESTICIDES BY GC/ECD						
	EPA 3550B			**EPA 8081A**		
RunID: GC9_060518A	QC Batch: 28089			PrepDate:	5/17/2006	Analyst: **EES**
4,4´-DDD	ND	2.0		µg/Kg	1	5/18/2006
4,4´-DDE	ND	2.0		µg/Kg	1	5/18/2006
4,4´-DDT	ND	2.0		µg/Kg	1	5/18/2006
Aldrin	ND	1.0		µg/Kg	1	5/18/2006
alpha-BHC	ND	1.0		µg/Kg	1	5/18/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	5/18/2006
beta-BHC	ND	1.0		µg/Kg	1	5/18/2006
Chlordane	ND	8.5		µg/Kg	1	5/18/2006
delta-BHC	ND	1.0		µg/Kg	1	5/18/2006
Dieldrin	ND	2.0		µg/Kg	1	5/18/2006
Endosulfan I	ND	1.0		µg/Kg	1	5/18/2006
Endosulfan II	ND	2.0		µg/Kg	1	5/18/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	5/18/2006
Endrin	ND	2.0		µg/Kg	1	5/18/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	5/18/2006
Endrin ketone	ND	2.0		µg/Kg	1	5/18/2006
gamma-BHC	ND	1.0		µg/Kg	1	5/18/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	5/18/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *26-May-06*

CLIENT: Ninyo & Moore
Lab Order: 084439
Project: Caltrans I-5, 105812001
Lab ID: 084439-002

Client Sample ID: I5NB-OLY-HA291-1.0
Collection Date: 5/15/2006 10:35:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3550B				**EPA 8081A**		
RunID: GC9_060518A	QC Batch: 28089			PrepDate:	5/17/2006	Analyst: **EES**
Heptachlor	ND	1.0		µg/Kg	1	5/18/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	5/18/2006
Methoxychlor	ND	8.5		µg/Kg	1	5/18/2006
Toxaphene	ND	85		µg/Kg	1	5/18/2006
Surr: Decachlorobiphenyl	92.6	59-127		%REC	1	5/18/2006
Surr: Tetrachloro-m-xylene	87.9	60-109		%REC	1	5/18/2006
MERCURY BY COLD VAPOR TECHNIQUE						
EPA 7471				**EPA 7471A**		
RunID: AA5_060518C	QC Batch: 28085			PrepDate:	5/17/2006	Analyst: **NS**
Mercury	ND	0.10		mg/Kg	1	5/18/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *26-May-06*

CLIENT: Ninyo & Moore
Lab Order: 084439
Project: Caltrans I-5, 105812001
Lab ID: 084439-003

Client Sample ID: I5NB-OLY-HA292-1.0
Collection Date: 5/15/2006 10:50:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP5_060517C	QC Batch: 28080			PrepDate:	5/17/2006	Analyst: **RQ**
Antimony	ND	2.0		mg/Kg	1	5/17/2006
Arsenic	2.8	1.0		mg/Kg	1	5/17/2006
Barium	53	1.0		mg/Kg	1	5/17/2006
Beryllium	ND	1.0		mg/Kg	1	5/17/2006
Cadmium	ND	1.0		mg/Kg	1	5/17/2006
Chromium	14	1.0		mg/Kg	1	5/17/2006
Cobalt	21	1.0		mg/Kg	1	5/17/2006
Copper	6.4	2.0		mg/Kg	1	5/17/2006
Lead	6.5	1.0		mg/Kg	1	5/17/2006
Molybdenum	ND	1.0		mg/Kg	1	5/17/2006
Nickel	11	1.0		mg/Kg	1	5/17/2006
Selenium	ND	1.0		mg/Kg	1	5/17/2006
Silver	ND	1.0		mg/Kg	1	5/17/2006
Thallium	ND	1.0		mg/Kg	1	5/17/2006
Vanadium	27	1.0		mg/Kg	1	5/17/2006
Zinc	25	1.0		mg/Kg	1	5/17/2006
ORGANOCHLORINE PESTICIDES BY GC/ECD						
	EPA 3550B			**EPA 8081A**		
RunID: GC9_060518A	QC Batch: 28089			PrepDate:	5/17/2006	Analyst: **EES**
4,4´-DDD	ND	2.0		µg/Kg	1	5/18/2006
4,4´-DDE	ND	2.0		µg/Kg	1	5/18/2006
4,4´-DDT	ND	2.0		µg/Kg	1	5/18/2006
Aldrin	ND	1.0		µg/Kg	1	5/18/2006
alpha-BHC	ND	1.0		µg/Kg	1	5/18/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	5/18/2006
beta-BHC	ND	1.0		µg/Kg	1	5/18/2006
Chlordane	ND	8.5		µg/Kg	1	5/18/2006
delta-BHC	ND	1.0		µg/Kg	1	5/18/2006
Dieldrin	ND	2.0		µg/Kg	1	5/18/2006
Endosulfan I	ND	1.0		µg/Kg	1	5/18/2006
Endosulfan II	ND	2.0		µg/Kg	1	5/18/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	5/18/2006
Endrin	ND	2.0		µg/Kg	1	5/18/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	5/18/2006
Endrin ketone	ND	2.0		µg/Kg	1	5/18/2006
gamma-BHC	ND	1.0		µg/Kg	1	5/18/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	5/18/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *26-May-06*

CLIENT: Ninyo & Moore
Lab Order: 084439
Project: Caltrans I-5, 105812001
Lab ID: 084439-003

Client Sample ID: I5NB-OLY-HA292-1.0
Collection Date: 5/15/2006 10:50:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3550B				**EPA 8081A**		
RunID: GC9_060518A	QC Batch: 28089			PrepDate:	5/17/2006	Analyst: **EES**
Heptachlor	ND	1.0		µg/Kg	1	5/18/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	5/18/2006
Methoxychlor	ND	8.5		µg/Kg	1	5/18/2006
Toxaphene	ND	85		µg/Kg	1	5/18/2006
Surr: Decachlorobiphenyl	87.2	59-127		%REC	1	5/18/2006
Surr: Tetrachloro-m-xylene	86.2	60-109		%REC	1	5/18/2006
MERCURY BY COLD VAPOR TECHNIQUE						
EPA 7471				**EPA 7471A**		
RunID: AA5_060518C	QC Batch: 28085			PrepDate:	5/17/2006	Analyst: **NS**
Mercury	ND	0.10		mg/Kg	1	5/18/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *26-May-06*

CLIENT: Ninyo & Moore
Lab Order: 084439
Project: Caltrans I-5, 105812001
Lab ID: 084439-004

Client Sample ID: I5NB-OLY-HA293-1.0
Collection Date: 5/15/2006 11:05:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
EPA 3050B				**EPA 6010B**		
RunID: ICP5_060517C	QC Batch: 28080			PrepDate:	5/17/2006	Analyst: **RQ**
Antimony	ND	2.0		mg/Kg	1	5/17/2006
Arsenic	1.2	1.0		mg/Kg	1	5/17/2006
Barium	47	1.0		mg/Kg	1	5/17/2006
Beryllium	ND	1.0		mg/Kg	1	5/17/2006
Cadmium	ND	1.0		mg/Kg	1	5/17/2006
Chromium	12	1.0		mg/Kg	1	5/17/2006
Cobalt	3.8	1.0		mg/Kg	1	5/17/2006
Copper	2.6	2.0		mg/Kg	1	5/17/2006
Lead	2.2	1.0		mg/Kg	1	5/17/2006
Molybdenum	ND	1.0		mg/Kg	1	5/17/2006
Nickel	3.9	1.0		mg/Kg	1	5/17/2006
Selenium	ND	1.0		mg/Kg	1	5/17/2006
Silver	ND	1.0		mg/Kg	1	5/17/2006
Thallium	ND	1.0		mg/Kg	1	5/17/2006
Vanadium	40	1.0		mg/Kg	1	5/17/2006
Zinc	12	1.0		mg/Kg	1	5/17/2006
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3550B				**EPA 8081A**		
RunID: GC9_060518A	QC Batch: 28089			PrepDate:	5/17/2006	Analyst: **EES**
4,4´-DDD	ND	2.0		µg/Kg	1	5/18/2006
4,4´-DDE	ND	2.0		µg/Kg	1	5/18/2006
4,4´-DDT	ND	2.0		µg/Kg	1	5/18/2006
Aldrin	ND	1.0		µg/Kg	1	5/18/2006
alpha-BHC	ND	1.0		µg/Kg	1	5/18/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	5/18/2006
beta-BHC	ND	1.0		µg/Kg	1	5/18/2006
Chlordane	ND	8.5		µg/Kg	1	5/18/2006
delta-BHC	ND	1.0		µg/Kg	1	5/18/2006
Dieldrin	ND	2.0		µg/Kg	1	5/18/2006
Endosulfan I	ND	1.0		µg/Kg	1	5/18/2006
Endosulfan II	ND	2.0		µg/Kg	1	5/18/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	5/18/2006
Endrin	ND	2.0		µg/Kg	1	5/18/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	5/18/2006
Endrin ketone	ND	2.0		µg/Kg	1	5/18/2006
gamma-BHC	ND	1.0		µg/Kg	1	5/18/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	5/18/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *26-May-06*

CLIENT: Ninyo & Moore
Lab Order: 084439
Project: Caltrans I-5, 105812001
Lab ID: 084439-004

Client Sample ID: I5NB-OLY-HA293-1.0
Collection Date: 5/15/2006 11:05:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3550B				**EPA 8081A**		
RunID: GC9_060518A	QC Batch: 28089			PrepDate:	5/17/2006	Analyst: **EES**
Heptachlor	ND	1.0		µg/Kg	1	5/18/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	5/18/2006
Methoxychlor	ND	8.5		µg/Kg	1	5/18/2006
Toxaphene	ND	85		µg/Kg	1	5/18/2006
Surr: Decachlorobiphenyl	86.2	59-127		%REC	1	5/18/2006
Surr: Tetrachloro-m-xylene	89.0	60-109		%REC	1	5/18/2006
MERCURY BY COLD VAPOR TECHNIQUE						
EPA 7471				**EPA 7471A**		
RunID: AA5_060518C	QC Batch: 28085			PrepDate:	5/17/2006	Analyst: **NS**
Mercury	ND	0.10		mg/Kg	1	5/18/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *26-May-06*

CLIENT: Ninyo & Moore
Lab Order: 084439
Project: Caltrans I-5, 105812001
Lab ID: 084439-005

Client Sample ID: I5NB-OLY-HA294-1.0
Collection Date: 5/15/2006 11:20:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			**EPA 6010B**		
RunID: ICP5_060517C	QC Batch: 28080			PrepDate:	5/17/2006	Analyst: **RQ**
Antimony	ND	2.0		mg/Kg	1	5/17/2006
Arsenic	1.4	1.0		mg/Kg	1	5/17/2006
Barium	24	1.0		mg/Kg	1	5/17/2006
Beryllium	ND	1.0		mg/Kg	1	5/17/2006
Cadmium	ND	1.0		mg/Kg	1	5/17/2006
Chromium	14	1.0		mg/Kg	1	5/17/2006
Cobalt	5.6	1.0		mg/Kg	1	5/17/2006
Copper	2.9	2.0		mg/Kg	1	5/17/2006
Lead	2.9	1.0		mg/Kg	1	5/17/2006
Molybdenum	ND	1.0		mg/Kg	1	5/17/2006
Nickel	4.4	1.0		mg/Kg	1	5/17/2006
Selenium	ND	1.0		mg/Kg	1	5/17/2006
Silver	ND	1.0		mg/Kg	1	5/17/2006
Thallium	ND	1.0		mg/Kg	1	5/17/2006
Vanadium	49	1.0		mg/Kg	1	5/17/2006
Zinc	14	1.0		mg/Kg	1	5/17/2006
ORGANOCHLORINE PESTICIDES BY GC/ECD						
	EPA 3550B			**EPA 8081A**		
RunID: GC9_060518A	QC Batch: 28089			PrepDate:	5/17/2006	Analyst: **EES**
4,4´-DDD	2.1	2.0		µg/Kg	1	5/18/2006
4,4´-DDE	66	2.0		µg/Kg	1	5/18/2006
4,4´-DDT	ND	2.0		µg/Kg	1	5/18/2006
Aldrin	ND	1.0		µg/Kg	1	5/18/2006
alpha-BHC	ND	1.0		µg/Kg	1	5/18/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	5/18/2006
beta-BHC	ND	1.0		µg/Kg	1	5/18/2006
Chlordane	ND	8.5		µg/Kg	1	5/18/2006
delta-BHC	ND	1.0		µg/Kg	1	5/18/2006
Dieldrin	ND	2.0		µg/Kg	1	5/18/2006
Endosulfan I	ND	1.0		µg/Kg	1	5/18/2006
Endosulfan II	ND	2.0		µg/Kg	1	5/18/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	5/18/2006
Endrin	ND	2.0		µg/Kg	1	5/18/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	5/18/2006
Endrin ketone	ND	2.0		µg/Kg	1	5/18/2006
gamma-BHC	ND	1.0		µg/Kg	1	5/18/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	5/18/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *26-May-06*

CLIENT: Ninyo & Moore
Lab Order: 084439
Project: Caltrans I-5, 105812001
Lab ID: 084439-005

Client Sample ID: I5NB-OLY-HA294-1.0
Collection Date: 5/15/2006 11:20:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3550B				**EPA 8081A**		
RunID: GC9_060518A	QC Batch: 28089			PrepDate:	5/17/2006	Analyst: **EES**
Heptachlor	ND	1.0		µg/Kg	1	5/18/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	5/18/2006
Methoxychlor	ND	8.5		µg/Kg	1	5/18/2006
Toxaphene	ND	85		µg/Kg	1	5/18/2006
Surr: Decachlorobiphenyl	84.1	59-127		%REC	1	5/18/2006
Surr: Tetrachloro-m-xylene	85.4	60-109		%REC	1	5/18/2006
MERCURY BY COLD VAPOR TECHNIQUE						
EPA 7471				**EPA 7471A**		
RunID: AA5_060518C	QC Batch: 28085			PrepDate:	5/17/2006	Analyst: **NS**
Mercury	ND	0.10		mg/Kg	1	5/18/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *26-May-06*

CLIENT: Ninyo & Moore
Lab Order: 084439
Project: Caltrans I-5, 105812001
Lab ID: 084439-006

Client Sample ID: Equip-HA-051506
Collection Date: 5/15/2006 12:00:00 PM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3010A			**EPA 6010B**		
RunID: ICP6_060516F	QC Batch: 28068			PrepDate:	5/16/2006	Analyst: **RQ**
Antimony	ND	0.0050		mg/L	1	5/16/2006
Arsenic	ND	0.010		mg/L	1	5/16/2006
Barium	ND	0.0030		mg/L	1	5/16/2006
Beryllium	ND	0.0030		mg/L	1	5/16/2006
Cadmium	ND	0.0030		mg/L	1	5/16/2006
Chromium	ND	0.0030		mg/L	1	5/16/2006
Cobalt	ND	0.0030		mg/L	1	5/16/2006
Copper	ND	0.0050		mg/L	1	5/16/2006
Lead	ND	0.0050		mg/L	1	5/16/2006
Molybdenum	ND	0.0050		mg/L	1	5/16/2006
Nickel	ND	0.0050		mg/L	1	5/16/2006
Selenium	ND	0.010		mg/L	1	5/16/2006
Silver	ND	0.0030		mg/L	1	5/16/2006
Thallium	ND	0.015		mg/L	1	5/16/2006
Vanadium	ND	0.0030		mg/L	1	5/16/2006
Zinc	ND	0.010		mg/L	1	5/16/2006
MERCURY BY COLD VAPOR TECHNIQUE						
	EPA 7470			**EPA 7470A**		
RunID: AA5_060519A	QC Batch: 28069			PrepDate:	5/16/2006	Analyst: **NS**
Mercury	ND	0.20		µg/L	1	5/19/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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CLIENT: Ninyo & Moore
Work Order: 084439
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **MB-28080** SampType: **MBLK** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **5/17/2006** RunNo: **63461**
Client ID: **PBS** Batch ID: **28080** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **5/17/2006** SeqNo: **938738**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	2.0									
Arsenic	ND	1.0									
Barium	ND	1.0									
Beryllium	ND	1.0									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Cobalt	ND	1.0									
Copper	ND	2.0									
Lead	ND	1.0									
Molybdenum	ND	1.0									
Nickel	ND	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									
Thallium	ND	1.0									
Vanadium	ND	1.0									
Zinc	ND	1.0									

Sample ID: **LCS-28080** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **5/17/2006** RunNo: **63461**
Client ID: **LCSS** Batch ID: **28080** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **5/17/2006** SeqNo: **938739**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	49.131	2.0	50.00	0	98.3	80	120				
Arsenic	47.671	1.0	50.00	0	95.3	80	120				
Barium	53.400	1.0	50.00	0	107	80	120				
Beryllium	47.818	1.0	50.00	0	95.6	80	120				
Cadmium	49.738	1.0	50.00	0	99.5	80	120				
Chromium	52.150	1.0	50.00	0	104	80	120				
Cobalt	48.771	1.0	50.00	0	97.5	80	120				
Copper	52.329	2.0	50.00	0	105	80	120				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
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CLIENT: Ninyo & Moore
Work Order: 084439
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **LCS-28080** SampType: **LCS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **5/17/2006** RunNo: **63461**
Client ID: **LCSS** Batch ID: **28080** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **5/17/2006** SeqNo: **938739**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	49.214	1.0	50.00	0	98.4	80	120				
Molybdenum	52.037	1.0	50.00	0	104	80	120				
Nickel	48.540	1.0	50.00	0	97.1	80	120				
Selenium	46.500	1.0	50.00	0	93.0	80	120				
Silver	51.779	1.0	50.00	0	104	80	120				
Thallium	48.004	1.0	50.00	0	96.0	80	120				
Vanadium	52.249	1.0	50.00	0	104	80	120				
Zinc	49.120	1.0	50.00	0	98.2	80	120				

Sample ID: **084439-005ADUP** SampType: **DUP** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **5/17/2006** RunNo: **63461**
Client ID: **I5NB-OLY-HA294-1.** Batch ID: **28080** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **5/17/2006** SeqNo: **938750**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	1.838	2.0						1.807	0	20	
Arsenic	1.184	1.0						1.449	20.1	20	R
Barium	28.452	1.0						24.16	16.3	20	
Beryllium	ND	1.0						0	0	20	
Cadmium	0.179	1.0						0.1839	0	20	
Chromium	14.363	1.0						13.76	4.28	20	
Cobalt	6.207	1.0						5.610	10.1	20	
Copper	3.064	2.0						2.898	5.57	20	
Lead	3.068	1.0						2.863	6.90	20	
Molybdenum	ND	1.0						0	0	20	
Nickel	4.663	1.0						4.405	5.67	20	
Selenium	ND	1.0						0	0	20	
Silver	ND	1.0						0	0	20	
Thallium	ND	1.0						0	0	20	
Vanadium	48.660	1.0						48.93	0.556	20	
Zinc	13.625	1.0						13.54	0.649	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
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CLIENT: Ninyo & Moore
Work Order: 084439
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **084439-005AMS** SampType: **MS** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **5/17/2006** RunNo: **63461**
Client ID: **I5NB-OLY-HA294-1.** Batch ID: **28080** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **5/17/2006** SeqNo: **938751**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	83.108	2.0	125.0	1.807	65.0	25	108				
Arsenic	93.289	1.0	125.0	1.449	73.5	46	118				
Barium	121.638	1.0	125.0	24.16	78.0	32	131				
Beryllium	96.525	1.0	125.0	0	77.2	59	104				
Cadmium	96.134	1.0	125.0	0.1839	76.8	63	105				
Chromium	115.133	1.0	125.0	13.76	81.1	49	116				
Cobalt	106.658	1.0	125.0	5.610	80.8	58	104				
Copper	107.323	2.0	125.0	2.898	83.5	54	126				
Lead	96.239	1.0	125.0	2.863	74.7	31	122				
Molybdenum	99.009	1.0	125.0	0	79.2	61	104				
Nickel	101.647	1.0	125.0	4.405	77.8	50	112				
Selenium	89.489	1.0	125.0	0	71.6	53	109				
Silver	89.048	1.0	125.0	0	71.2	41	121				
Thallium	88.510	1.0	125.0	0	70.8	54	100				
Vanadium	157.055	1.0	125.0	48.93	86.5	59	109				
Zinc	109.332	1.0	125.0	13.54	76.6	27	131				

Sample ID: **084439-005AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **5/17/2006** RunNo: **63461**
Client ID: **I5NB-OLY-HA294-1.** Batch ID: **28080** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **5/17/2006** SeqNo: **938752**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	89.685	2.0	125.0	1.807	70.3	25	108	83.11	7.61	20	
Arsenic	98.610	1.0	125.0	1.449	77.7	46	118	93.29	5.55	20	
Barium	132.155	1.0	125.0	24.16	86.4	32	131	121.6	8.29	20	
Beryllium	101.712	1.0	125.0	0	81.4	59	104	96.52	5.23	20	
Cadmium	101.593	1.0	125.0	0.1839	81.1	63	105	96.13	5.52	20	
Chromium	119.747	1.0	125.0	13.76	84.8	49	116	115.1	3.93	20	
Cobalt	108.479	1.0	125.0	5.610	82.3	58	104	106.7	1.69	20	
Copper	112.761	2.0	125.0	2.898	87.9	54	126	107.3	4.94	20	
Lead	101.711	1.0	125.0	2.863	79.1	31	122	96.24	5.53	20	
Molybdenum	104.733	1.0	125.0	0	83.8	61	104	99.01	5.62	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
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CLIENT: Ninyo & Moore
Work Order: 084439
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: **084439-005AMSD** SampType: **MSD** TestCode: **6010_S** Units: **mg/Kg** Prep Date: **5/17/2006** RunNo: **63461**
Client ID: **I5NB-OLY-HA294-1.** Batch ID: **28080** TestNo: **EPA 6010B** **EPA 3050B** Analysis Date: **5/17/2006** SeqNo: **938752**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	106.601	1.0	125.0	4.405	81.8	50	112	101.6	4.76	20	
Selenium	94.951	1.0	125.0	0	76.0	53	109	89.49	5.92	20	
Silver	94.072	1.0	125.0	0	75.3	41	121	89.05	5.49	20	
Thallium	94.153	1.0	125.0	0	75.3	54	100	88.51	6.18	20	
Vanadium	155.002	1.0	125.0	48.93	84.9	59	109	157.1	1.32	20	
Zinc	114.130	1.0	125.0	13.54	80.5	27	131	109.3	4.29	20	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Work Order: 084439
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_W

Sample ID: **MB-28068** SampType: **MBLK** TestCode: **6010_W** Units: **mg/L** Prep Date: **5/16/2006** RunNo: **63412**
Client ID: **PBW** Batch ID: **28068** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **5/16/2006** SeqNo: **937852**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	0.0050									
Arsenic	ND	0.010									
Barium	ND	0.0030									
Beryllium	ND	0.0030									
Cadmium	ND	0.0030									
Chromium	ND	0.0030									
Cobalt	ND	0.0030									
Copper	ND	0.0050									
Lead	ND	0.0050									
Molybdenum	ND	0.0050									
Nickel	ND	0.0050									
Selenium	ND	0.010									
Silver	ND	0.0030									
Thallium	ND	0.015									
Vanadium	ND	0.0030									
Zinc	ND	0.010									

Sample ID: **LCS-28068** SampType: **LCS** TestCode: **6010_W** Units: **mg/L** Prep Date: **5/16/2006** RunNo: **63412**
Client ID: **LCSW** Batch ID: **28068** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **5/16/2006** SeqNo: **937853**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	1.006	0.0050	1.000	0	101	85	115				
Arsenic	0.996	0.010	1.000	0	99.6	85	115				
Barium	1.056	0.0030	1.000	0	106	85	115				
Beryllium	0.986	0.0030	1.000	0	98.6	85	115				
Cadmium	1.015	0.0030	1.000	0	102	85	115				
Chromium	1.029	0.0030	1.000	0	103	85	115				
Cobalt	0.986	0.0030	1.000	0	98.6	85	115				
Copper	1.050	0.0050	1.000	0	105	85	115				
Lead	1.013	0.0050	1.000	0	101	85	115				
Molybdenum	1.034	0.0050	1.000	0	103	85	115				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_W

Sample ID: **LCS-28068** SampType: **LCS** TestCode: **6010_W** Units: **mg/L** Prep Date: **5/16/2006** RunNo: **63412**
Client ID: **LCSW** Batch ID: **28068** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **5/16/2006** SeqNo: **937853**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	0.994	0.0050	1.000	0	99.4	85	115				
Selenium	0.977	0.010	1.000	0	97.7	85	115				
Silver	0.995	0.0030	1.000	0	99.5	85	115				
Thallium	1.018	0.015	1.000	0	102	85	115				
Vanadium	1.030	0.0030	1.000	0	103	85	115				
Zinc	1.001	0.010	1.000	0	100	85	115				

Sample ID: **084438-006ADUP** SampType: **DUP** TestCode: **6010_W** Units: **mg/L** Prep Date: **5/16/2006** RunNo: **63412**
Client ID: **ZZZZZZ** Batch ID: **28068** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **5/16/2006** SeqNo: **937855**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	0.0050						0.004328	0	20	
Arsenic	ND	0.010						0	0	20	
Barium	ND	0.0030						0	0	20	
Beryllium	ND	0.0030						0	0	20	
Cadmium	ND	0.0030						0	0	20	
Chromium	ND	0.0030						0	0	20	
Cobalt	ND	0.0030						0	0	20	
Copper	ND	0.0050						0	0	20	
Lead	ND	0.0050						0	0	20	
Molybdenum	ND	0.0050						0	0	20	
Nickel	ND	0.0050						0	0	20	
Selenium	ND	0.010						0.006983	0	20	
Silver	ND	0.0030						0	0	20	
Thallium	ND	0.015						0	0	20	
Vanadium	ND	0.0030						0	0	20	
Zinc	0.005	0.010						0.008027	0	20	

Qualifiers:
E Value above quantitation range
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S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_W

Sample ID: **084438-006AMS** SampType: **MS** TestCode: **6010_W** Units: **mg/L** Prep Date: **5/16/2006** RunNo: **63412**
Client ID: **ZZZZZZ** Batch ID: **28068** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **5/16/2006** SeqNo: **937857**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	2.692	0.0050	2.500	0.004328	108	79	120				
Arsenic	2.568	0.010	2.500	0	103	77	122				
Barium	2.672	0.0030	2.500	0	107	65	130				
Beryllium	2.603	0.0030	2.500	0	104	85	114				
Cadmium	2.624	0.0030	2.500	0	105	81	119				
Chromium	2.663	0.0030	2.500	0	107	80	118				
Cobalt	2.657	0.0030	2.500	0	106	67	132				
Copper	2.772	0.0050	2.500	0	111	84	122				
Lead	2.663	0.0050	2.500	0	107	78	118				
Molybdenum	2.690	0.0050	2.500	0	108	86	116				
Nickel	2.656	0.0050	2.500	0	106	75	123				
Selenium	2.575	0.010	2.500	0.006983	103	70	126				
Silver	2.417	0.0030	2.500	0	96.7	56	140				
Thallium	2.656	0.015	2.500	0	106	77	114				
Vanadium	2.701	0.0030	2.500	0	108	77	123				
Zinc	2.607	0.010	2.500	0.008027	104	70	127				

Sample ID: **084438-006AMSD** SampType: **MSD** TestCode: **6010_W** Units: **mg/L** Prep Date: **5/16/2006** RunNo: **63412**
Client ID: **ZZZZZZ** Batch ID: **28068** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **5/16/2006** SeqNo: **937858**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	2.754	0.0050	2.500	0.004328	110	79	120	2.692	2.26	20	
Arsenic	2.618	0.010	2.500	0	105	77	122	2.568	1.93	20	
Barium	2.713	0.0030	2.500	0	109	65	130	2.672	1.54	20	
Beryllium	2.655	0.0030	2.500	0	106	85	114	2.603	2.00	20	
Cadmium	2.668	0.0030	2.500	0	107	81	119	2.624	1.67	20	
Chromium	2.709	0.0030	2.500	0	108	80	118	2.663	1.70	20	
Cobalt	2.702	0.0030	2.500	0	108	67	132	2.657	1.68	20	
Copper	2.821	0.0050	2.500	0	113	84	122	2.772	1.77	20	
Lead	2.707	0.0050	2.500	0	108	78	118	2.663	1.66	20	
Molybdenum	2.737	0.0050	2.500	0	109	86	116	2.690	1.71	20	

Qualifiers:
E Value above quantitation range
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ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_W

Sample ID: **084438-006AMSD** SampType: **MSD** TestCode: **6010_W** Units: **mg/L** Prep Date: **5/16/2006** RunNo: **63412**
Client ID: **ZZZZZZ** Batch ID: **28068** TestNo: **EPA 6010B** **EPA 3010A** Analysis Date: **5/16/2006** SeqNo: **937858**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	2.700	0.0050	2.500	0	108	75	123	2.656	1.63	20	
Selenium	2.610	0.010	2.500	0.006983	104	70	126	2.575	1.37	20	
Silver	2.457	0.0030	2.500	0	98.3	56	140	2.417	1.64	20	
Thallium	2.720	0.015	2.500	0	109	77	114	2.656	2.39	20	
Vanadium	2.745	0.0030	2.500	0	110	77	123	2.701	1.62	20	
Zinc	2.650	0.010	2.500	0.008027	106	70	127	2.607	1.66	20	

Qualifiers:
E Value above quantitation range
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ANALYTICAL QC SUMMARY REPORT

TestCode: 7470_W

Sample ID: **084439-006A-DUP** SampType: **DUP** TestCode: **7470_W** Units: **µg/L** Prep Date: **5/16/2006** RunNo: **63529**
Client ID: **Equip-HA-051506** Batch ID: **28069** TestNo: **EPA 7470A** **EPA 7470** Analysis Date: **5/19/2006** SeqNo: **939774**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.20						0	0	20	

Sample ID: **084439-006A-MS** SampType: **MS** TestCode: **7470_W** Units: **µg/L** Prep Date: **5/16/2006** RunNo: **63529**
Client ID: **Equip-HA-051506** Batch ID: **28069** TestNo: **EPA 7470A** **EPA 7470** Analysis Date: **5/19/2006** SeqNo: **939775**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	26.622	0.20	25.00	0	106	70	130				

Sample ID: **084439-006A-MSD** SampType: **MSD** TestCode: **7470_W** Units: **µg/L** Prep Date: **5/16/2006** RunNo: **63529**
Client ID: **Equip-HA-051506** Batch ID: **28069** TestNo: **EPA 7470A** **EPA 7470** Analysis Date: **5/19/2006** SeqNo: **939776**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	26.476	0.20	25.00	0	106	70	130	26.62	0.551	20	

Sample ID: **LCS-28069** SampType: **LCS** TestCode: **7470_W** Units: **µg/L** Prep Date: **5/16/2006** RunNo: **63529**
Client ID: **LCSW** Batch ID: **28069** TestNo: **EPA 7470A** **EPA 7470** Analysis Date: **5/19/2006** SeqNo: **939777**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	26.481	0.20	25.00	0	106	85	115				

Sample ID: **MB-28069** SampType: **MBLK** TestCode: **7470_W** Units: **µg/L** Prep Date: **5/16/2006** RunNo: **63529**
Client ID: **PBW** Batch ID: **28069** TestNo: **EPA 7470A** **EPA 7470** Analysis Date: **5/19/2006** SeqNo: **939778**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.20									

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interferenc	DO	Surrogate Diluted Out
	Calculations are based on raw values				

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ANALYTICAL QC SUMMARY REPORT

TestCode: 7471_S

Sample ID: **084439-001A-DUP** SampType: **DUP** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **5/17/2006** RunNo: **63501**
Client ID: **I5NB-OLY-HA290-1.** Batch ID: **28085** TestNo: **EPA 7471A** **EPA 7471** Analysis Date: **5/18/2006** SeqNo: **939355**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10						0	0	20	

Sample ID: **084439-001A-MS** SampType: **MS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **5/17/2006** RunNo: **63501**
Client ID: **I5NB-OLY-HA290-1.** Batch ID: **28085** TestNo: **EPA 7471A** **EPA 7471** Analysis Date: **5/18/2006** SeqNo: **939356**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.044	0.10	0.8300	0	126	52	163				

Sample ID: **084439-001A-MSD** SampType: **MSD** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **5/17/2006** RunNo: **63501**
Client ID: **I5NB-OLY-HA290-1.** Batch ID: **28085** TestNo: **EPA 7471A** **EPA 7471** Analysis Date: **5/18/2006** SeqNo: **939357**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.023	0.10	0.8300	0	123	52	163	1.044	2.04	20	

Sample ID: **LCS-28085** SampType: **LCS** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **5/17/2006** RunNo: **63501**
Client ID: **LCSS** Batch ID: **28085** TestNo: **EPA 7471A** **EPA 7471** Analysis Date: **5/18/2006** SeqNo: **939365**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.103	0.10	2.080	0	101	80	120				

Sample ID: **MB-28085** SampType: **MBLK** TestCode: **7471_S** Units: **mg/Kg** Prep Date: **5/17/2006** RunNo: **63501**
Client ID: **PBS** Batch ID: **28085** TestNo: **EPA 7471A** **EPA 7471** Analysis Date: **5/18/2006** SeqNo: **939366**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interferenc	DO	Surrogate Diluted Out
	Calculations are based on raw values				

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **MB-28089**	SampType: **MBLK**	TestCode: **8081_S**	Units: **µg/Kg**	Prep Date: **5/17/2006**	RunNo: **63516**
Client ID: **PBS**	Batch ID: **28089**	TestNo: **EPA 8081A**	**EPA 3550B**	Analysis Date: **5/18/2006**	SeqNo: **939633**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	2.0									
4,4´-DDE	ND	2.0									
4,4´-DDT	ND	2.0									
Aldrin	ND	1.0									
alpha-BHC	ND	1.0									
alpha-Chlordane	ND	1.0									
beta-BHC	ND	1.0									
Chlordane	ND	8.5									
delta-BHC	ND	1.0									
Dieldrin	ND	2.0									
Endosulfan I	ND	1.0									
Endosulfan II	ND	2.0									
Endosulfan sulfate	ND	2.0									
Endrin	ND	2.0									
Endrin aldehyde	ND	2.0									
Endrin ketone	ND	2.0									
gamma-BHC	ND	1.0									
gamma-Chlordane	ND	1.0									
Heptachlor	ND	1.0									
Heptachlor epoxide	ND	1.0									
Methoxychlor	ND	8.5									
Toxaphene	ND	85									
Surr: Tetrachloro-m-xylene	15.103		16.65		90.7	60	109				
Surr: Decachlorobiphenyl	15.233		16.65		91.5	59	127				

Sample ID: **LCS-28089**	SampType: **LCS**	TestCode: **8081_S**	Units: **µg/Kg**	Prep Date: **5/17/2006**	RunNo: **63516**
Client ID: **LCSS**	Batch ID: **28089**	TestNo: **EPA 8081A**	**EPA 3550B**	Analysis Date: **5/18/2006**	SeqNo: **939634**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	16.091	2.0	16.65	0	96.6	75	128				
Aldrin	20.548	1.0	16.65	0	123	80	124				

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interferenc	DO	Surrogate Diluted Out
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ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **LCS-28089** SampType: **LCS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **5/17/2006** RunNo: **63516**
Client ID: **LCSS** Batch ID: **28089** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **5/18/2006** SeqNo: **939634**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dieldrin	19.411	2.0	16.65	0	117	82	121				
Endrin	21.049	2.0	16.65	0	126	79	141				
gamma-BHC	18.935	1.0	16.65	0	114	84	122				
Heptachlor	21.633	1.0	16.65	0	130	74	136				
Surr: Tetrachloro-m-xylene	15.537		16.65		93.3	60	109				
Surr: Decachlorobiphenyl	15.293		16.65		91.8	59	127				

Sample ID: **084439-002AMS** SampType: **MS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **5/17/2006** RunNo: **63516**
Client ID: **I5NB-OLY-HA291-1.** Batch ID: **28089** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **5/18/2006** SeqNo: **939635**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	15.555	2.0	16.65	0	93.4	64	165				
Aldrin	18.758	1.0	16.65	0	113	68	135				
Dieldrin	18.726	2.0	16.65	0	112	48	165				
Endrin	20.580	2.0	16.65	0	124	60	186				
gamma-BHC	17.515	1.0	16.65	0	105	70	134				
Heptachlor	19.829	1.0	16.65	0	119	73	152				
Surr: Tetrachloro-m-xylene	13.329		16.65		80.1	60	109				
Surr: Decachlorobiphenyl	15.019		16.65		90.2	59	127				

Sample ID: **084439-002AMSD** SampType: **MSD** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **5/17/2006** RunNo: **63516**
Client ID: **I5NB-OLY-HA291-1.** Batch ID: **28089** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **5/18/2006** SeqNo: **939636**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	16.254	2.0	16.65	0	97.6	64	165	15.55	4.40	30	
Aldrin	18.096	1.0	16.65	0	109	68	135	18.76	3.59	30	
Dieldrin	18.876	2.0	16.65	0	113	48	165	18.73	0.795	30	
Endrin	22.235	2.0	16.65	0	134	60	186	20.58	7.73	30	
gamma-BHC	17.013	1.0	16.65	0	102	70	134	17.51	2.91	30	
Heptachlor	19.206	1.0	16.65	0	115	73	152	19.83	3.19	30	
Surr: Tetrachloro-m-xylene	12.571		16.65		75.5	60	109		0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
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S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **084439-002AMSD** SampType: **MSD** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **5/17/2006** RunNo: **63516**
Client ID: **I5NB-OLY-HA291-1.** Batch ID: **28089** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **5/18/2006** SeqNo: **939636**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Decachlorobiphenyl	15.595		16.65		93.7	59	127		0	30	

Sample ID: **084439-003ADUP** SampType: **DUP** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **5/17/2006** RunNo: **63516**
Client ID: **I5NB-OLY-HA292-1.** Batch ID: **28089** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **5/18/2006** SeqNo: **939646**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	2.0						0	0	30	
4,4´-DDE	ND	2.0						0	0	30	
4,4´-DDT	ND	2.0						0	0	30	
Aldrin	ND	1.0						0	0	30	
alpha-BHC	ND	1.0						0	0	30	
alpha-Chlordane	ND	1.0						0	0	30	
beta-BHC	ND	1.0						0	0	30	
Chlordane	ND	8.5						0	0	30	
delta-BHC	ND	1.0						0	0	30	
Dieldrin	ND	2.0						0	0	30	
Endosulfan I	ND	1.0						0	0	30	
Endosulfan II	ND	2.0						0	0	30	
Endosulfan sulfate	ND	2.0						0	0	30	
Endrin	ND	2.0						0	0	30	
Endrin aldehyde	ND	2.0						0	0	30	
Endrin ketone	ND	2.0						0	0	30	
gamma-BHC	ND	1.0						0	0	30	
gamma-Chlordane	ND	1.0						0	0	30	
Heptachlor	ND	1.0						0	0	30	
Heptachlor epoxide	ND	1.0						0	0	30	
Methoxychlor	ND	8.5						0	0	30	
Toxaphene	ND	85						0	0	30	
Surr: Tetrachloro-m-xylene	14.110		16.65		84.7	60	109		0	0	
Surr: Decachlorobiphenyl	14.577		16.62		87.7	59	127		0	0	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

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San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	**5/24/06**
Sampling Date:	**5/15/06**
Date Sample Received:	**5/17/06**
Date Extracted:	**5/17/06**
Date Analyzed:	**May 22, 2006**
Analyzed By:	**EA**
Method:	**EPA 8141A**
Sample Type:	**Soil**
Sample Log Number:	**06-3323 to 06-3327**

The sample(s) were analyzed with EPA methodology or equivalent methods as specified on the attached "Analyses Results" report. The symbol for "less than" indicates a value below the reportable detection limit.

The results of these analyses and the quality control data are enclosed.

Ellen Atienza
Operations Manager

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3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	5/24/06
Sampling Date:	5/15/06
Date Sample Received:	5/17/06
Date Extracted:	5/17/06
Date Analyzed:	May 22, 2006
Analyzed By:	EA
Sample Type:	Soil
Method:	EPA 8141A
Units:	µg/kg

ANALYSES RESULTS

Analysis	Detection Limit	Log Number: / Sample ID:	06-3323 / 084439-001B / 15NB-OLY-HA290-1.0	06-3324 / 084439-002B / 15NB-OLY-HA291-1.0
Azinphos Methyl	5.0		<DL	<DL
Bolstar	5.0		<DL	<DL
Coumaphos	5.0		<DL	<DL
Demeton	5.0		<DL	<DL
Diazinon	5.0		<DL	<DL
Dichlorvos	5.0		<DL	<DL
Disulfoton	5.0		<DL	<DL
Dursban (Chlorpyrifos)	5.0		<DL	<DL
Ethoprop	5.0		<DL	<DL
Fensulfothion	10.0		<DL	<DL
Fenthion	5.0		<DL	<DL
Gardona (Stirophos)	5.0		<DL	<DL
Malathion	5.0		<DL	<DL
Merphos	5.0		<DL	<DL
Methyl Parathion	5.0		<DL	<DL
Mevinphos	5.0		<DL	<DL
Naled	5.0		<DL	<DL
Phorate	5.0		<DL	<DL
Ronnel	5.0		<DL	<DL
Tokuthion	5.0		<DL	<DL
Trichloronate	5.0		<DL	<DL

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Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	5/24/06
Sampling Date:	5/15/06
Date Sample Received:	5/17/06
Date Extracted:	5/17/06
Date Analyzed:	May 22, 2006
Analyzed By:	EA
Sample Type:	Soil
Method:	EPA 8141A
Units:	µg/kg

ANALYSES RESULTS

Analysis	Detection Limit	Log Number: / Sample ID:	06-3325 / 084439-003B / 15NB-OLY-HA292-1.0	06-3326 / 084439-004B / 15NB-OLY-HA293-1.0
Azinphos Methyl	5.0		<DL	<DL
Bolstar	5.0		<DL	<DL
Coumaphos	5.0		<DL	<DL
Demeton	5.0		<DL	<DL
Diazinon	5.0		<DL	<DL
Dichlorvos	5.0		<DL	<DL
Disulfoton	5.0		<DL	<DL
Dursban (Chlorpyrifos)	5.0		<DL	<DL
Ethoprop	5.0		<DL	<DL
Fensulfothion	10.0		<DL	<DL
Fenthion	5.0		<DL	<DL
Gardona (Stirophos)	5.0		<DL	<DL
Malathion	5.0		<DL	<DL
Merphos	5.0		<DL	<DL
Methyl Parathion	5.0		<DL	<DL
Mevinphos	5.0		<DL	<DL
Naled	5.0		<DL	<DL
Phorate	5.0		<DL	<DL
Ronnel	5.0		<DL	<DL
Tokuthion	5.0		<DL	<DL
Trichloronate	5.0		<DL	<DL

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ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	**5/24/06**
Sampling Date:	**5/15/06**
Date Sample Received:	**5/17/06**
Date Extracted:	**5/17/06**
Date Analyzed:	**May 22, 2006**
Analyzed By:	**EA**
Sample Type:	**Soil**
Method:	**EPA 8141A**
Units:	**µg/kg**

ANALYSES RESULTS

Analysis	**Detection Limit**	**Log Number:**	**06-3327**
		Sample ID:	**084439-005B 15NB-OLY-HA294-1.0**
Azinphos Methyl	5.0		<DL
Bolstar	5.0		<DL
Coumaphos	5.0		<DL
Demeton	5.0		<DL
Diazinon	5.0		<DL
Dichlorvos	5.0		<DL
Disulfoton	5.0		<DL
Dursban (Chlorpyrifos)	5.0		<DL
Ethoprop	5.0		<DL
Fensulfothion	10.0		<DL
Fenthion	5.0		<DL
Gardona (Stirophos)	5.0		<DL
Malathion	5.0		<DL
Merphos	5.0		<DL
Methyl Parathion	5.0		<DL
Mevinphos	5.0		<DL
Naled	5.0		<DL
Phorate	5.0		<DL
Ronnel	5.0		<DL
Tokuthion	5.0		<DL
Trichloronate	5.0		<DL

Ellen Atienza
Operations Manager

D-TEK Analytical Laboratories, Inc.

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QUALITY CONTROL DATA REPORT

Date:	**5/24/06**
Attn:	**Ms. Rachelle Arada**
Date Extracted:	**5/17/06**
Date Analyzed:	**May 22, 2006**
Analysis Method:	**EPA 8141A**
Log#:	**06-3323 to 06-3327**

METHOD BLANK

No target analytes were detected in the method blank.

LABORATORY CONTROL SAMPLE

Compound	% Recovery	QC Limits:*
Diazinon	104	40-130
Methyl Parathion	109	40-130
Dursban (Chlorpyrifos)	106	40-130
Gardona(Stirophos)	80	40-130

Matrix Spike (06-3460)

Compound	Spike % Recovery	Spike Dup. % Recovery	MS/MSD RPD %	RPD Limits
Diazinon	100	93	7	30
Methyl Parathion	93	92	1	30
Dursban (Chlorpyrifos)	88	91	3	30
Gardona (Stirophos)	76	75	1	30

*QC limits applies to LCS, MS and MSD

QUALITY CONTROL TERMINOLOGY

- **LCS - LABORATORY CONTROL SAMPLE.** Reported as % recovery of an independent standard carried through all sample preparation procedures to verify method performance. Acceptable range is based on historical laboratory control data and EPA requirements. Any out-of-control QC data is clearly indicated.
- **Spike-** environmental sample is matrix spiked with method compounds and % recovery of concentration spiked into sample is calculated. Reported as % recovery. Acceptable range for "Normal Matrix Sample" is based on historical laboratory control data. Any out-of-control QC data is clearly indicated.
- **Surrogates-** Compounds representative of a group of compounds. Surrogates are spiked into environmental samples and % recovery of concentration spiked is calculated and reported. Acceptable range varies depending on sample matrix and analysis method. Any out-of-control QC data is clearly indicated.

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SURROGATE RECOVERIES
(Tributylphosphate)

Log #	Percent Recovery:
Method Blank	72
06-3323	73
06-3324	86
06-3325	83
06-3326	78
06-3327	85
LCS	102
06-3460 MS	79
06-3460 MSD	82

QC Limits: 50 to 170%

Ellen Atienza
Operations Manager

QUALITY CONTROL TERMINOLOGY

- **LCS - LABORATORY CONTROL SAMPLE.** Reported as % recovery of an independent standard carried through all sample preparation procedures to verify method performance. Acceptable range is based on historical laboratory control data and EPA requirements. Any out-of-control QC data is clearly indicated.
- **Spike**- environmental sample is matrix spiked with method compounds and % recovery of concentration spiked into sample is calculated. Reported as % recovery. Acceptable range for "Normal Matrix Sample" is based on historical laboratory control data. Any out-of-control QC data is clearly indicated.
- **Surrogates**- Compounds representative of a group of compounds. Surrogates are spiked into environmental samples and % recovery of concentration spiked is calculated and reported. Acceptable range varies depending on sample matrix and analysis method. Any out-of-control QC data is clearly indicated.

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755-5225
TEL: *5629894045* FAX: *5629894040*

CHAIN-OF-CUSTODY RECORD

QC Level: CT

Subcontractor:
D-Tek
9020 Kenamar Drive, Suite 205
San Diego, CA 92121

TEL: (858) 566-4540
FAX: (858) 566-4542
Acct #:

16-May-06

	Sample ID	Matrix	Date Collected	Bottle Type	Requested Tests: EPA 8141A	
084439-001B	/ I5NB-OLY-HA290-1.0	Soil	5/15/2006 10:15:00 AM	4OZG	1	06-3323
084439-002B	/ I5NB-OLY-HA291-1.0	Soil	5/15/2006 10:35:00 AM	4OZG	1	06-3324
084439-003B	/ I5NB-OLY-HA292-1.0	Soil	5/15/2006 10:50:00 AM	4OZG	1	06-3325
084439-004B	/ I5NB-OLY-HA293-1.0	Soil	5/15/2006 11:05:00 AM	4OZG	1	06-3326
084439-005B	/ I5NB-OLY-HA294-1.0	Soil	5/15/2006 11:20:00 AM	4OZG	1	06-3327

General Comments: Please use PO#: CC00655 Please fax results. Normal TAT.
Send report to Rachelle Arada.

	Date/Time		Date/Time
Relinquished by:	May 11:54	Received by:	CBONUMSMA D1001004162 3 246 051600
Relinquished by: CA OVERNIGHT		Received by:	5/17/06 0800

SIERRA ANALYTICAL

Advanced Technology Labs 3275 Walnut Avenue Signal Hill CA, 90755	Project: NA Project Number: PO# SC00656 Project Manager: Rachelle Arada	**Reported:** 05/26/06 10:02

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
084439-001C / 15NB-OLY-HA290-1.0	0605341-01	Soil	05/15/06 10:15	05/17/06 08:30
084439-002C / 15NB-OLY-HA291-1.0	0605341-02	Soil	05/15/06 10:35	05/17/06 08:30
084439-003C / 15NB-OLY-HA292-1.0	0605341-03	Soil	05/15/06 10:50	05/17/06 08:30
084439-004C / 15NB-OLY-HA293-1.0	0605341-04	Soil	05/15/06 11:05	05/17/06 08:30
084439-005C / 15NB-OLY-HA294-1.0	0605341-05	Soil	05/15/06 11:20	05/17/06 08:30

CASE NARRATIVE

SAMPLE RECEIPT:	Samples were received intact, at 4 °C, and accompanied by chain of custody documentation.
PRESERVATION:	Samples requiring preservation were verified prior to sample preparation and analysis.
HOLDING TIMES:	All holding times were met, unless otherwise noted in the report with data qualifiers.
QA/QC CRITERIA:	All quality objective criteria were met, except as noted in the report with data qualifiers.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653
TELEPHONE: (949) 348-9389 FAX: (949) 348-9115
E-MAIL: SIERRALABS @ SIERRALABS.NET

SIERRA ANALYTICAL

Advanced Technology Labs	Project: NA	
3275 Walnut Avenue	Project Number: PO# SC00656	**Reported:**
Signal Hill CA, 90755	Project Manager: Rachelle Arada	05/26/06 10:02

Chlorinated Herbicides by EPA Method 8151A

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
084439-001C / 15NB-OLY-HA290-1.0 (0605341-01) Soil Sampled: 05/15/06 10:15 Received: 05/17/06 08:30									
2,4,5-T	ND	1.6	µg/kg	1	B6E2431	05/22/06	05/22/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*71.4 %*	*35-150*		"	"	"	"	
084439-002C / 15NB-OLY-HA291-1.0 (0605341-02) Soil Sampled: 05/15/06 10:35 Received: 05/17/06 08:30									
2,4,5-T	ND	1.6	µg/kg	1	B6E2431	05/22/06	05/22/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*47.2 %*	*35-150*		"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

SIERRA ANALYTICAL

Advanced Technology Labs 3275 Walnut Avenue Signal Hill CA, 90755	Project: NA Project Number: PO# SC00656 Project Manager: Rachelle Arada	**Reported:** 05/26/06 10:02

Chlorinated Herbicides by EPA Method 8151A

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
084439-003C / 15NB-OLY-HA292-1.0 (0605341-03) Soil Sampled: 05/15/06 10:50 Received: 05/17/06 08:30									
2,4,5-T	ND	1.6	µg/kg	1	B6E2431	05/22/06	05/22/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*69.5 %*	*35-150*		"	"	"	"	
084439-004C / 15NB-OLY-HA293-1.0 (0605341-04) Soil Sampled: 05/15/06 11:05 Received: 05/17/06 08:30									
2,4,5-T	ND	1.6	µg/kg	1	B6E2431	05/22/06	05/23/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*65.9 %*	*35-150*		"	"	"	"	

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SIERRA ANALYTICAL

Advanced Technology Labs 3275 Walnut Avenue Signal Hill CA, 90755	Project: NA Project Number: PO# SC00656 Project Manager: Rachelle Arada	**Reported:** 05/26/06 10:02

Chlorinated Herbicides by EPA Method 8151A

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
084439-005C / 15NB-OLY-HA294-1.0 (0605341-05) Soil Sampled: 05/15/06 11:20 Received: 05/17/06 08:30									
2,4,5-T	ND	1.6	µg/kg	1	B6E2431	05/22/06	05/23/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*64.0 %*	*35-150*		"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653
TELEPHONE: (949) 348-9389 FAX: (949) 348-9115
E-MAIL: SIERRALABS @ SIERRALABS.NET

SIERRA ANALYTICAL

Advanced Technology Labs 3275 Walnut Avenue Signal Hill CA, 90755	Project: NA Project Number: PO# SC00656 Project Manager: Rachelle Arada	**Reported:** 05/26/06 10:02

Chlorinated Herbicides by EPA Method 8151A - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6E2431 - EPA 3550B Solid Ext										
Blank (B6E2431-BLK1)				Prepared & Analyzed: 05/22/06						
2,4,5-T	ND	1.6	µg/kg							
2,4,5-TP (Silvex)	ND	1.6	"							
2,4-D	ND	1.6	"							
2,4-DB	ND	4.0	"							
3,5-Dichlorobenzoic acid	ND	2.0	"							
4-Nitrophenol	ND	2.0	"							
Acifluorfen	ND	1.6	"							
Bentazon	ND	1.6	"							
Chloramben	ND	1.6	"							
Dalapon	ND	20	"							
DCPA diacid	ND	1.6	"							
Dicamba	ND	1.6	"							
Dichlorprop	ND	1.6	"							
Dinoseb	ND	1.6	"							
Pentachlorophenol	ND	1.6	"							
Picloram	ND	1.6	"							
Surrogate: 2,4-Dichlorophenylacetic Acid	*64.0*		"	*100*		*64.0*	*35-150*			
LCS (B6E2431-BS1)				Prepared & Analyzed: 05/22/06						
2,4,5-T	7.64	1.6	µg/kg	10.0		76.4	20-150			
2,4,5-TP (Silvex)	7.96	1.6	"	10.0		79.6	20-150			
Dichlorprop	7.03	1.6	"	10.0		70.3	20-150			
Dinoseb	8.92	1.6	"	10.0		89.2	20-150			
LCS (B6E2431-BS2)				Prepared & Analyzed: 05/22/06						
2,4,5-T	7.89	1.6	µg/kg	10.0		78.9	20-150			
2,4,5-TP (Silvex)	7.60	1.6	"	10.0		76.0	20-150			
Dichlorprop	6.54	1.6	"	10.0		65.4	20-150			
Dinoseb	8.36	1.6	"	10.0		83.6	20-150			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653
TELEPHONE: (949) 348-9389 FAX: (949) 348-9115
E-MAIL: SIERRALABS @ SIERRALABS.NET

Advanced Technology Labs	Project: NA	
3275 Walnut Avenue	Project Number: PO# SC00656	**Reported:**
Signal Hill CA, 90755	Project Manager: Rachelle Arada	05/26/06 10:02

Chlorinated Herbicides by EPA Method 8151A - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6E2431 - EPA 3550B Solid Ext										
LCS Dup (B6E2431-BSD1)				Prepared & Analyzed: 05/22/06						
2,4,5-T	7.80	1.6	µg/kg	10.0		78.0	20-150	2.07	30	
2,4,5-TP (Silvex)	7.97	1.6	"	10.0		79.7	20-150	0.126	30	
Dichlorprop	7.00	1.6	"	10.0		70.0	20-150	0.428	30	
Dinoseb	8.96	1.6	"	10.0		89.6	20-150	0.447	30	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653
TELEPHONE: (949) 348-9389 FAX: (949) 348-9115
E-MAIL: SIERRALABS @ SIERRALABS.NET

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755-5225
TEL: *5629894045* FAX: *5629894040*

CHAIN-OF-CUSTODY RECORD

QC Level: CT

Subcontractor:
Sierra Laboratories
26052 Merit Circle Suite 105
Laguna Hills, CA 92653

TEL: (949) 348-9389
FAX: (949) 348-9115
Acct #:

16-May-06

Sample ID	Matrix	Date Collected	Bottle Type	Requested Tests: EPA 8151				
084439-001C / I5NB-OLY-HA290-1.0	Soil	5/15/2006 10:15:00 AM	4OZG	1				
084439-002C / I5NB-OLY-HA291-1.0	Soil	5/15/2006 10:35:00 AM	4OZG	1				
084439-003C / I5NB-OLY-HA292-1.0	Soil	5/15/2006 10:50:00 AM	4OZG	1				
084439-004C / I5NB-OLY-HA293-1.0	Soil	5/15/2006 11:05:00 AM	4OZG	1				
084439-005C / I5NB-OLY-HA294-1.0	Soil	5/15/2006 11:20:00 AM	4OZG	1				

General Comments: Please use PO#: SC00656 Please fax results. Normal TAT.
Send report to Rachelle Arada.

		Date/Time			Date/Time
Relinquished by:		5/15/06 11:54	**Received by:**	CAO Vernisgnt #D1DU1DU9162525	051606
Relinquished by:			**Received by:**		

5-15-06 - MONDAY

CHAIN OF CUSTODY RECORD

Pg 1 of 1

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: _____

Logged By: W Date: 051606

Method of Transport: Client ☐ ATL ☒ CA OverN ☐ FEDEX ☐ Other: _____

Sample Condition Upon Receipt:
1. CHILLED Y☑ N☐ 4. SEALED Y☐ N☑
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☑ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☑ N☑

Client: Ninyo & Moore
Attn: Scott Snyder
Address: 5710 Ruffin Rd
City SD State CA Zip Code 92123
TEL: (8) 576-1000
FAX: ( ) 576-9600

Project Name: Caltrans I-5 Project #: 105812001 Sampler: (Printed Name) MATT ROE (Signature) MATT ROE

Relinquished by: (Signature and Printed Name)	Date	Time	Received by: (Signature and Printed Name)	Date	Time
MATT ROE	5-15-06	3:15p		5-15-06	3:15p
	5-15-06	6:45p		5/15/06	1645

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: MATT ROE (Print Name) 5/15/06 (Date) MATT ROE (Signature)

Send Report To: Attn: Scott Snyder Co: Ninyo & Moore Address 5710 Ruffin Rd City SD State CA Zip 92123

Bill To: Attn: _____ Co: _____ Address _____ City _____ State _____ Zip _____

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	8141 - Pest	8151 - Herb	9045 c - pH	6010B - total lead	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Type	PRESERVATION	REMARKS
	0841439-001	ISNB-OLY-HA290-1.0	5/15/06	10:15																			2	J G	C	
	-002	ISNB-OLY-HA291-1.0	5/15	10:35																			2			
	-003	ISNB-OLY-HA292-1.0	"	10:50																			2			
	-004	ISNB-OLY-HA293-1.0	"	11:05																			2			
	-005	ISNB-OLY-HA294-1.0	"	11:20																			2			
	-006	Equip-HA-051506	"	1200																			1	P P	N	

SPECIFY APPROPRIATE MATRIX

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode _____ OTHER _____

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

Carmen Aguila

From: Rachelle Arada
Sent: Monday, May 15, 2006 5:25 PM
To: Eddie Rodriguez; Edgar Morrison; Carmen Aguila
Cc: Bing Roura
Subject: FW: soil samples

-----Original Message-----
From: Scott Snyder [mailto:ssnyder@ninyoandmoore.com]
Sent: Monday, May 15, 2006 4:58 PM
To: Rachelle Arada
Subject: soil samples

Rachelle,

You will be receiving some soil samples today/tonight, 5 samples from our Caltrans project. They should be analyzed for Title 22 metals, pesticides (both USEPA Methods 8081 and 8141), and herbicides by 8151. Normal turnaround time.

Please call if you have questions.

Thanks
Scott

Scott Snyder, PG, HG
Senior Hydrogeologist
Ninyo & Moore
5710 Ruffin Road
San Diego, California 92122
858.576.1000 x1255

Carmen Aguila

From: Rachelle Arada
Sent: Tuesday, May 16, 2006 12:08 PM
To: Carmen Aguila
Cc: Bing Roura
Subject: FW: samples

-----Original Message-----
From: Scott Snyder [mailto:ssnyder@ninyoandmoore.com]
Sent: Tuesday, May 16, 2006 11:20 AM
To: Rachelle Arada
Cc: Matthew Fuller
Subject: samples

Rachelle,

For the water sample received with the soil samples yesterday, please analyze the sample for Title 22 metals.

Also, could you set up a sample pick up here at our office for tomorrow? We will have some soil samples, and possibly some water samples.

Thanks,
Scott

Scott Snyder, PG, HG
Senior Hydrogeologist
Ninyo & Moore
5710 Ruffin Road
San Diego, California 92122
858.576.1000 x1255

June 01, 2006

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 084532

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

RE: Caltrans -I-5, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on May 19, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

for

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: *01-Jun-06*

CLIENT: Ninyo & Moore
Project: Caltrans -I-5, 105812001
Lab Order: 084532
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
084532-001A	I5SB-HALL-HA295.0.5	Soil	5/17/2006	5/19/2006	6/1/2006
084532-001B	I5SB-HALL-HA295.0.5	Soil	5/17/2006	5/19/2006	6/1/2006
084532-001C	I5SB-HALL-HA295.0.5	Soil	5/17/2006	5/19/2006	6/1/2006
084532-002A	I5SB-HALL-HA296-0.5	Soil	5/17/2006	5/19/2006	6/1/2006
084532-002B	I5SB-HALL-HA296-0.5	Soil	5/17/2006	5/19/2006	6/1/2006
084532-002C	I5SB-HALL-HA296-0.5	Soil	5/17/2006	5/19/2006	6/1/2006
084532-003A	I5SB-HALL-HA297-0.5	Soil	5/17/2006	5/19/2006	6/1/2006
084532-003B	I5SB-HALL-HA297-0.5	Soil	5/17/2006	5/19/2006	6/1/2006
084532-003C	I5SB-HALL-HA297-0.5	Soil	5/17/2006	5/19/2006	6/1/2006
084532-004A	I5SB-HALL-HA298-0.5	Soil	5/17/2006	5/19/2006	6/1/2006
084532-004B	I5SB-HALL-HA298-0.5	Soil	5/17/2006	5/19/2006	6/1/2006
084532-004C	I5SB-HALL-HA298-0.5	Soil	5/17/2006	5/19/2006	6/1/2006
084532-005A	I5SB-HALL-HA299-0.5	Soil	5/17/2006	5/19/2006	6/1/2006
084532-005B	I5SB-HALL-HA299-0.5	Soil	5/17/2006	5/19/2006	6/1/2006
084532-005C	I5SB-HALL-HA299-0.5	Soil	5/17/2006	5/19/2006	6/1/2006
084532-006A	I5SB-HALL-HA300-0.5	Soil	5/17/2006	5/19/2006	6/1/2006
084532-006B	I5SB-HALL-HA300-0.5	Soil	5/17/2006	5/19/2006	6/1/2006
084532-006C	I5SB-HALL-HA300-0.5	Soil	5/17/2006	5/19/2006	6/1/2006
084532-007A	I5SB-HALL-HA301-0.5	Soil	5/17/2006	5/19/2006	6/1/2006
084532-007B	I5SB-HALL-HA301-0.5	Soil	5/17/2006	5/19/2006	6/1/2006
084532-007C	I5SB-HALL-HA301-0.5	Soil	5/17/2006	5/19/2006	6/1/2006
084532-008A	I5SB-HALL-HA302-0.5	Soil	5/17/2006	5/19/2006	6/1/2006
084532-008B	I5SB-HALL-HA302-0.5	Soil	5/17/2006	5/19/2006	6/1/2006
084532-008C	I5SB-HALL-HA302-0.5	Soil	5/17/2006	5/19/2006	6/1/2006
084532-009A	I5SB-HALL-HA303-0.5	Soil	5/17/2006	5/19/2006	6/1/2006
084532-009B	I5SB-HALL-HA303-0.5	Soil	5/17/2006	5/19/2006	6/1/2006
084532-009C	I5SB-HALL-HA303-0.5	Soil	5/17/2006	5/19/2006	6/1/2006
084532-010A	I5SB-HALL-HA304-0.5	Soil	5/17/2006	5/19/2006	6/1/2006
084532-010B	I5SB-HALL-HA304-0.5	Soil	5/17/2006	5/19/2006	6/1/2006

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Project: Caltrans -I-5, 105812001
Lab Order: 084532
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
084532-010C	I5SB-HALL-HA304-0.5	Soil	5/17/2006	5/19/2006	6/1/2006

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CASE NARRATIVE

The samples for EPA 8141 analysis were subcontracted to D-tek Analytical Laboratories, Inc. with ELAP Cert. 2344.

The samples for EPA 8151 analysis were subcontracted to Sierra Analytical Laboratories, Inc. with ELAP Cert. 2320.

Analytical Comments for EPA 8081A

RPD for Sample Duplicate (DUP) is outside criteria for sample 084532-006ADUP; however, the Laboratory Control Sample (LCS) validated the analytical batch.

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *01-Jun-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5SB-HALL-HA295.0.5
Lab Order:	084532	**Tag Number:**	
Project:	Caltrans -I-5, 105812001	**Collection Date:**	5/17/2006 9:05:00 AM
Lab ID:	084532-001A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3550B				**EPA 8081A**		
RunID: GC10_060522A	QC Batch: 28152				PrepDate: 5/22/2006	Analyst: **CPC**
4,4´-DDD	ND	2.0		µg/Kg	1	5/22/2006
4,4´-DDE	9.6	2.0		µg/Kg	1	5/22/2006
4,4´-DDT	8.5	2.0		µg/Kg	1	5/22/2006
Aldrin	ND	1.0		µg/Kg	1	5/22/2006
alpha-BHC	ND	1.0		µg/Kg	1	5/22/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	5/22/2006
beta-BHC	ND	1.0		µg/Kg	1	5/22/2006
Chlordane	ND	8.5		µg/Kg	1	5/22/2006
delta-BHC	ND	1.0		µg/Kg	1	5/22/2006
Dieldrin	ND	2.0		µg/Kg	1	5/22/2006
Endosulfan I	ND	1.0		µg/Kg	1	5/22/2006
Endosulfan II	ND	2.0		µg/Kg	1	5/22/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	5/22/2006
Endrin	ND	2.0		µg/Kg	1	5/22/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	5/22/2006
Endrin ketone	ND	2.0		µg/Kg	1	5/22/2006
gamma-BHC	ND	1.0		µg/Kg	1	5/22/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	5/22/2006
Heptachlor	ND	1.0		µg/Kg	1	5/22/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	5/22/2006
Methoxychlor	ND	8.5		µg/Kg	1	5/22/2006
Toxaphene	ND	85		µg/Kg	1	5/22/2006
Surr: Decachlorobiphenyl	95.9	59-127		%REC	1	5/22/2006
Surr: Tetrachloro-m-xylene	85.1	60-109		%REC	1	5/22/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *01-Jun-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5SB-HALL-HA296-0.5
Lab Order:	084532	**Tag Number:**	
Project:	Caltrans -I-5, 105812001	**Collection Date:**	5/17/2006 9:20:00 AM
Lab ID:	084532-002A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3550B				**EPA 8081A**		
RunID: GC10_060522A	QC Batch: 28152				PrepDate: 5/22/2006	Analyst: **CPC**
4,4´-DDD	ND	2.0		µg/Kg	1	5/22/2006
4,4´-DDE	ND	2.0		µg/Kg	1	5/22/2006
4,4´-DDT	ND	2.0		µg/Kg	1	5/22/2006
Aldrin	ND	1.0		µg/Kg	1	5/22/2006
alpha-BHC	ND	1.0		µg/Kg	1	5/22/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	5/22/2006
beta-BHC	ND	1.0		µg/Kg	1	5/22/2006
Chlordane	ND	8.5		µg/Kg	1	5/22/2006
delta-BHC	ND	1.0		µg/Kg	1	5/22/2006
Dieldrin	ND	2.0		µg/Kg	1	5/22/2006
Endosulfan I	ND	1.0		µg/Kg	1	5/22/2006
Endosulfan II	ND	2.0		µg/Kg	1	5/22/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	5/22/2006
Endrin	ND	2.0		µg/Kg	1	5/22/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	5/22/2006
Endrin ketone	ND	2.0		µg/Kg	1	5/22/2006
gamma-BHC	ND	1.0		µg/Kg	1	5/22/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	5/22/2006
Heptachlor	ND	1.0		µg/Kg	1	5/22/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	5/22/2006
Methoxychlor	ND	8.5		µg/Kg	1	5/22/2006
Toxaphene	ND	85		µg/Kg	1	5/22/2006
Surr: Decachlorobiphenyl	97.2	59-127		%REC	1	5/22/2006
Surr: Tetrachloro-m-xylene	90.5	60-109		%REC	1	5/22/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *01-Jun-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5SB-HALL-HA297-0.5
Lab Order:	084532	**Tag Number:**	
Project:	Caltrans -I-5, 105812001	**Collection Date:**	5/17/2006 9:40:00 AM
Lab ID:	084532-003A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3550B				**EPA 8081A**		
RunID: GC10_060522A	QC Batch: 28152				PrepDate: 5/22/2006	Analyst: **CPC**
4,4´-DDD	ND	2.0		µg/Kg	1	5/22/2006
4,4´-DDE	4.1	2.0		µg/Kg	1	5/22/2006
4,4´-DDT	2.4	2.0		µg/Kg	1	5/22/2006
Aldrin	ND	1.0		µg/Kg	1	5/22/2006
alpha-BHC	ND	1.0		µg/Kg	1	5/22/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	5/22/2006
beta-BHC	ND	1.0		µg/Kg	1	5/22/2006
Chlordane	ND	8.5		µg/Kg	1	5/22/2006
delta-BHC	ND	1.0		µg/Kg	1	5/22/2006
Dieldrin	ND	2.0		µg/Kg	1	5/22/2006
Endosulfan I	ND	1.0		µg/Kg	1	5/22/2006
Endosulfan II	ND	2.0		µg/Kg	1	5/22/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	5/22/2006
Endrin	ND	2.0		µg/Kg	1	5/22/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	5/22/2006
Endrin ketone	ND	2.0		µg/Kg	1	5/22/2006
gamma-BHC	ND	1.0		µg/Kg	1	5/22/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	5/22/2006
Heptachlor	ND	1.0		µg/Kg	1	5/22/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	5/22/2006
Methoxychlor	ND	8.5		µg/Kg	1	5/22/2006
Toxaphene	ND	85		µg/Kg	1	5/22/2006
Surr: Decachlorobiphenyl	95.9	59-127		%REC	1	5/22/2006
Surr: Tetrachloro-m-xylene	89.9	60-109		%REC	1	5/22/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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Date: *01-Jun-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5SB-HALL-HA298-0.5
Lab Order:	084532	**Tag Number:**	
Project:	Caltrans -I-5, 105812001	**Collection Date:**	5/17/2006 9:50:00 AM
Lab ID:	084532-004A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3550B				**EPA 8081A**		
RunID: GC10_060522A	QC Batch: 28152				PrepDate: 5/22/2006	Analyst: **CPC**
4,4´-DDD	ND	2.0		µg/Kg	1	5/22/2006
4,4´-DDE	5.6	2.0		µg/Kg	1	5/22/2006
4,4´-DDT	ND	2.0		µg/Kg	1	5/22/2006
Aldrin	ND	1.0		µg/Kg	1	5/22/2006
alpha-BHC	ND	1.0		µg/Kg	1	5/22/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	5/22/2006
beta-BHC	ND	1.0		µg/Kg	1	5/22/2006
Chlordane	ND	8.5		µg/Kg	1	5/22/2006
delta-BHC	ND	1.0		µg/Kg	1	5/22/2006
Dieldrin	ND	2.0		µg/Kg	1	5/22/2006
Endosulfan I	ND	1.0		µg/Kg	1	5/22/2006
Endosulfan II	ND	2.0		µg/Kg	1	5/22/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	5/22/2006
Endrin	ND	2.0		µg/Kg	1	5/22/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	5/22/2006
Endrin ketone	ND	2.0		µg/Kg	1	5/22/2006
gamma-BHC	ND	1.0		µg/Kg	1	5/22/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	5/22/2006
Heptachlor	ND	1.0		µg/Kg	1	5/22/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	5/22/2006
Methoxychlor	ND	8.5		µg/Kg	1	5/22/2006
Toxaphene	ND	85		µg/Kg	1	5/22/2006
Surr: Decachlorobiphenyl	91.0	59-127		%REC	1	5/22/2006
Surr: Tetrachloro-m-xylene	88.2	60-109		%REC	1	5/22/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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Date: *01-Jun-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5SB-HALL-HA299-0.5
Lab Order:	084532	**Tag Number:**	
Project:	Caltrans -I-5, 105812001	**Collection Date:**	5/17/2006 10:00:00 AM
Lab ID:	084532-005A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3550B				**EPA 8081A**		
RunID: GC10_060522A	QC Batch: 28152				PrepDate: 5/22/2006	Analyst: **CPC**
4,4´-DDD	ND	2.0		µg/Kg	1	5/22/2006
4,4´-DDE	23	2.0		µg/Kg	1	5/22/2006
4,4´-DDT	32	2.0		µg/Kg	1	5/22/2006
Aldrin	ND	1.0		µg/Kg	1	5/22/2006
alpha-BHC	ND	1.0		µg/Kg	1	5/22/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	5/22/2006
beta-BHC	ND	1.0		µg/Kg	1	5/22/2006
Chlordane	ND	8.5		µg/Kg	1	5/22/2006
delta-BHC	ND	1.0		µg/Kg	1	5/22/2006
Dieldrin	ND	2.0		µg/Kg	1	5/22/2006
Endosulfan I	ND	1.0		µg/Kg	1	5/22/2006
Endosulfan II	4.9	2.0		µg/Kg	1	5/22/2006
Endosulfan sulfate	9.7	2.0		µg/Kg	1	5/22/2006
Endrin	ND	2.0		µg/Kg	1	5/22/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	5/22/2006
Endrin ketone	ND	2.0		µg/Kg	1	5/22/2006
gamma-BHC	ND	1.0		µg/Kg	1	5/22/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	5/22/2006
Heptachlor	ND	1.0		µg/Kg	1	5/22/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	5/22/2006
Methoxychlor	ND	8.5		µg/Kg	1	5/22/2006
Toxaphene	230	85		µg/Kg	1	5/22/2006
Surr: Decachlorobiphenyl	93.4	59-127		%REC	1	5/22/2006
Surr: Tetrachloro-m-xylene	85.8	60-109		%REC	1	5/22/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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Date: *01-Jun-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5SB-HALL-HA300-0.5
Lab Order:	084532	**Tag Number:**	
Project:	Caltrans -I-5, 105812001	**Collection Date:**	5/17/2006 10:10:00 AM
Lab ID:	084532-006A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3550B				**EPA 8081A**		
RunID: GC10_060522A	QC Batch: 28152				PrepDate: 5/22/2006	Analyst: **CPC**
4,4´-DDD	ND	2.0		µg/Kg	1	5/22/2006
4,4´-DDE	140	10		µg/Kg	5	5/23/2006
4,4´-DDT	63	2.0		µg/Kg	1	5/22/2006
Aldrin	ND	1.0		µg/Kg	1	5/22/2006
alpha-BHC	ND	1.0		µg/Kg	1	5/22/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	5/22/2006
beta-BHC	ND	1.0		µg/Kg	1	5/22/2006
Chlordane	ND	8.5		µg/Kg	1	5/22/2006
delta-BHC	ND	1.0		µg/Kg	1	5/22/2006
Dieldrin	ND	2.0		µg/Kg	1	5/22/2006
Endosulfan I	ND	1.0		µg/Kg	1	5/22/2006
Endosulfan II	ND	2.0		µg/Kg	1	5/22/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	5/22/2006
Endrin	ND	2.0		µg/Kg	1	5/22/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	5/22/2006
Endrin ketone	ND	2.0		µg/Kg	1	5/22/2006
gamma-BHC	ND	1.0		µg/Kg	1	5/22/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	5/22/2006
Heptachlor	ND	1.0		µg/Kg	1	5/22/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	5/22/2006
Methoxychlor	ND	8.5		µg/Kg	1	5/22/2006
Toxaphene	290	85		µg/Kg	1	5/22/2006
Surr: Decachlorobiphenyl	89.3	59-127		%REC	1	5/22/2006
Surr: Tetrachloro-m-xylene	85.5	60-109		%REC	1	5/22/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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Date: *01-Jun-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5SB-HALL-HA301-0.5
Lab Order:	084532	**Tag Number:**	
Project:	Caltrans -I-5, 105812001	**Collection Date:**	5/17/2006 10:30:00 AM
Lab ID:	084532-007A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3550B				**EPA 8081A**		
RunID: GC10_060522A	QC Batch: 28152				PrepDate: 5/22/2006	Analyst: **CPC**
4,4´-DDD	ND	2.0		µg/Kg	1	5/23/2006
4,4´-DDE	450	40		µg/Kg	20	5/23/2006
4,4´-DDT	670	40		µg/Kg	20	5/23/2006
Aldrin	ND	1.0		µg/Kg	1	5/23/2006
alpha-BHC	ND	1.0		µg/Kg	1	5/23/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	5/23/2006
beta-BHC	ND	1.0		µg/Kg	1	5/23/2006
Chlordane	ND	8.5		µg/Kg	1	5/23/2006
delta-BHC	ND	1.0		µg/Kg	1	5/23/2006
Dieldrin	ND	2.0		µg/Kg	1	5/23/2006
Endosulfan I	ND	1.0		µg/Kg	1	5/23/2006
Endosulfan II	ND	2.0		µg/Kg	1	5/23/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	5/23/2006
Endrin	ND	2.0		µg/Kg	1	5/23/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	5/23/2006
Endrin ketone	ND	2.0		µg/Kg	1	5/23/2006
gamma-BHC	ND	1.0		µg/Kg	1	5/23/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	5/23/2006
Heptachlor	ND	1.0		µg/Kg	1	5/23/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	5/23/2006
Methoxychlor	ND	8.5		µg/Kg	1	5/23/2006
Toxaphene	2900	1700		µg/Kg	20	5/23/2006
Surr: Decachlorobiphenyl	82.3	59-127		%REC	1	5/23/2006
Surr: Tetrachloro-m-xylene	76.4	60-109		%REC	1	5/23/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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Date: *01-Jun-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5SB-HALL-HA302-0.5
Lab Order:	084532	**Tag Number:**	
Project:	Caltrans -I-5, 105812001	**Collection Date:**	5/17/2006 10:45:00 AM
Lab ID:	084532-008A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
	EPA 3550B			**EPA 8081A**		
RunID: GC10_060522A	QC Batch: 28152				PrepDate: 5/22/2006	Analyst: **CPC**
4,4´-DDD	ND	2.0		µg/Kg	1	5/22/2006
4,4´-DDE	19	2.0		µg/Kg	1	5/22/2006
4,4´-DDT	28	2.0		µg/Kg	1	5/22/2006
Aldrin	ND	1.0		µg/Kg	1	5/22/2006
alpha-BHC	ND	1.0		µg/Kg	1	5/22/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	5/22/2006
beta-BHC	ND	1.0		µg/Kg	1	5/22/2006
Chlordane	ND	8.5		µg/Kg	1	5/22/2006
delta-BHC	ND	1.0		µg/Kg	1	5/22/2006
Dieldrin	ND	2.0		µg/Kg	1	5/22/2006
Endosulfan I	ND	1.0		µg/Kg	1	5/22/2006
Endosulfan II	ND	2.0		µg/Kg	1	5/22/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	5/22/2006
Endrin	ND	2.0		µg/Kg	1	5/22/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	5/22/2006
Endrin ketone	ND	2.0		µg/Kg	1	5/22/2006
gamma-BHC	ND	1.0		µg/Kg	1	5/22/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	5/22/2006
Heptachlor	ND	1.0		µg/Kg	1	5/22/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	5/22/2006
Methoxychlor	ND	8.5		µg/Kg	1	5/22/2006
Toxaphene	270	85		µg/Kg	1	5/22/2006
Surr: Decachlorobiphenyl	95.6	59-127		%REC	1	5/22/2006
Surr: Tetrachloro-m-xylene	88.8	60-109		%REC	1	5/22/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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Date: *01-Jun-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5SB-HALL-HA303-0.5
Lab Order:	084532	**Tag Number:**	
Project:	Caltrans -I-5, 105812001	**Collection Date:**	5/17/2006 10:50:00 AM
Lab ID:	084532-009A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3550B				**EPA 8081A**		
RunID: GC10_060522A	QC Batch: 28152				PrepDate: 5/22/2006	Analyst: **CPC**
4,4´-DDD	ND	2.0		µg/Kg	1	5/22/2006
4,4´-DDE	230	20		µg/Kg	10	5/23/2006
4,4´-DDT	300	20		µg/Kg	10	5/23/2006
Aldrin	ND	1.0		µg/Kg	1	5/22/2006
alpha-BHC	ND	1.0		µg/Kg	1	5/22/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	5/22/2006
beta-BHC	ND	1.0		µg/Kg	1	5/22/2006
Chlordane	ND	8.5		µg/Kg	1	5/22/2006
delta-BHC	ND	1.0		µg/Kg	1	5/22/2006
Dieldrin	100	20		µg/Kg	10	5/23/2006
Endosulfan I	ND	1.0		µg/Kg	1	5/22/2006
Endosulfan II	ND	2.0		µg/Kg	1	5/22/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	5/22/2006
Endrin	ND	2.0		µg/Kg	1	5/22/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	5/22/2006
Endrin ketone	ND	2.0		µg/Kg	1	5/22/2006
gamma-BHC	ND	1.0		µg/Kg	1	5/22/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	5/22/2006
Heptachlor	ND	1.0		µg/Kg	1	5/22/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	5/22/2006
Methoxychlor	ND	8.5		µg/Kg	1	5/22/2006
Toxaphene	5600	850		µg/Kg	10	5/23/2006
Surr: Decachlorobiphenyl	87.5	59-127		%REC	1	5/22/2006
Surr: Tetrachloro-m-xylene	76.2	60-109		%REC	1	5/22/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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Date: *01-Jun-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5SB-HALL-HA304-0.5
Lab Order:	084532	**Tag Number:**	
Project:	Caltrans -I-5, 105812001	**Collection Date:**	5/17/2006 11:05:00 AM
Lab ID:	084532-010A	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3550B				**EPA 8081A**		
RunID: GC10_060522A	QC Batch: 28152				PrepDate: 5/22/2006	Analyst: **CPC**
4,4´-DDD	ND	2.0		µg/Kg	1	5/23/2006
4,4´-DDE	320	20		µg/Kg	10	5/23/2006
4,4´-DDT	520	20		µg/Kg	10	5/23/2006
Aldrin	ND	1.0		µg/Kg	1	5/23/2006
alpha-BHC	ND	1.0		µg/Kg	1	5/23/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	5/23/2006
beta-BHC	ND	1.0		µg/Kg	1	5/23/2006
Chlordane	ND	8.5		µg/Kg	1	5/23/2006
delta-BHC	ND	1.0		µg/Kg	1	5/23/2006
Dieldrin	ND	2.0		µg/Kg	1	5/23/2006
Endosulfan I	ND	1.0		µg/Kg	1	5/23/2006
Endosulfan II	ND	2.0		µg/Kg	1	5/23/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	5/23/2006
Endrin	ND	2.0		µg/Kg	1	5/23/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	5/23/2006
Endrin ketone	ND	2.0		µg/Kg	1	5/23/2006
gamma-BHC	ND	1.0		µg/Kg	1	5/23/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	5/23/2006
Heptachlor	ND	1.0		µg/Kg	1	5/23/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	5/23/2006
Methoxychlor	ND	8.5		µg/Kg	1	5/23/2006
Toxaphene	1600	850		µg/Kg	10	5/23/2006
Surr: Decachlorobiphenyl	81.1	59-127		%REC	1	5/23/2006
Surr: Tetrachloro-m-xylene	76.3	60-109		%REC	1	5/23/2006

Qualifiers:				
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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CLIENT: Ninyo & Moore
Work Order: 084532
Project: Caltrans -I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **MB-28152** SampType: **MBLK** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **5/22/2006** RunNo: **63631**
Client ID: **PBS** Batch ID: **28152** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **5/22/2006** SeqNo: **941122**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	2.0									
4,4´-DDE	ND	2.0									
4,4´-DDT	ND	2.0									
Aldrin	ND	1.0									
alpha-BHC	ND	1.0									
alpha-Chlordane	ND	1.0									
beta-BHC	ND	1.0									
Chlordane	ND	8.5									
delta-BHC	ND	1.0									
Dieldrin	ND	2.0									
Endosulfan I	ND	1.0									
Endosulfan II	ND	2.0									
Endosulfan sulfate	ND	2.0									
Endrin	ND	2.0									
Endrin aldehyde	ND	2.0									
Endrin ketone	ND	2.0									
gamma-BHC	ND	1.0									
gamma-Chlordane	ND	1.0									
Heptachlor	ND	1.0									
Heptachlor epoxide	ND	1.0									
Methoxychlor	ND	8.5									
Toxaphene	ND	85									
Surr: Tetrachloro-m-xylene	14.670		16.65		88.1	60	109				
Surr: Decachlorobiphenyl	15.260		16.65		91.7	59	127				

Sample ID: **LCS-28152** SampType: **LCS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **5/22/2006** RunNo: **63631**
Client ID: **LCSS** Batch ID: **28152** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **5/22/2006** SeqNo: **941123**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interferenc	DO	Surrogate Diluted Out
	Calculations are based on raw values				

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3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 084532
Project: Caltrans -I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **LCS-28152** SampType: **LCS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **5/22/2006** RunNo: **63631**
Client ID: **LCSS** Batch ID: **28152** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **5/22/2006** SeqNo: **941123**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	16.495	2.0	16.65	0	99.1	75	128				
Aldrin	16.401	1.0	16.65	0	98.5	80	124				
Dieldrin	15.534	2.0	16.65	0	93.3	82	121				
Endrin	17.879	2.0	16.65	0	107	79	141				
gamma-BHC	16.416	1.0	16.65	0	98.6	84	122				
Heptachlor	19.159	1.0	16.65	0	115	74	136				
Surr: Tetrachloro-m-xylene	14.506		16.65		87.1	60	109				
Surr: Decachlorobiphenyl	15.288		16.65		91.8	59	127				

Sample ID: **084532-006ADUP** SampType: **DUP** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **5/22/2006** RunNo: **63631**
Client ID: **I5SB-HALL-HA300-0.** Batch ID: **28152** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **5/22/2006** SeqNo: **941130**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	2.0						0	0	30	
4,4´-DDE	65.754	2.0						119.5	58.0	30	R
4,4´-DDT	28.930	2.0						62.53	73.5	30	R
Aldrin	ND	1.0						0	0	30	
alpha-BHC	ND	1.0						0	0	30	
alpha-Chlordane	ND	1.0						0	0	30	
beta-BHC	ND	1.0						0	0	30	
Chlordane	ND	8.5						0	0	30	
delta-BHC	ND	1.0						0	0	30	
Dieldrin	ND	2.0						0	0	30	
Endosulfan I	ND	1.0						0	0	30	
Endosulfan II	ND	2.0						0	0	30	
Endosulfan sulfate	ND	2.0						0	0	30	
Endrin	ND	2.0						0	0	30	
Endrin aldehyde	ND	2.0						0	0	30	
Endrin ketone	ND	2.0						0	0	30	
gamma-BHC	ND	1.0						0	0	30	
gamma-Chlordane	ND	1.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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Work Order: 084532
Project: Caltrans -I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **084532-006ADUP** SampType: **DUP** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **5/22/2006** RunNo: **63631**
Client ID: **I5SB-HALL-HA300-0.** Batch ID: **28152** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **5/22/2006** SeqNo: **941130**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Heptachlor	ND	1.0						0	0	30	
Heptachlor epoxide	ND	1.0						0	0	30	
Methoxychlor	ND	8.5						0	0	30	
Toxaphene	148.512	85						287.1	63.6	30	R
Surr: Tetrachloro-m-xylene	14.895		16.65		89.5	60	109		0	0	
Surr: Decachlorobiphenyl	15.596		16.62		93.8	59	127		0	0	

Sample ID: **MB-28152** SampType: **MBLK** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **5/22/2006** RunNo: **63631**
Client ID: **PBS** Batch ID: **28152** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **5/23/2006** SeqNo: **941588**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	2.0									
4,4´-DDE	ND	2.0									
4,4´-DDT	ND	2.0									
Aldrin	ND	1.0									
alpha-BHC	ND	1.0									
alpha-Chlordane	ND	1.0									
beta-BHC	ND	1.0									
Chlordane	ND	8.5									
delta-BHC	ND	1.0									
Dieldrin	ND	2.0									
Endosulfan I	ND	1.0									
Endosulfan II	ND	2.0									
Endosulfan sulfate	ND	2.0									
Endrin	ND	2.0									
Endrin aldehyde	ND	2.0									
Endrin ketone	ND	2.0									
gamma-BHC	ND	1.0									
gamma-Chlordane	ND	1.0									
Heptachlor	ND	1.0									
Heptachlor epoxide	ND	1.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 084532
Project: Caltrans -I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **MB-28152** SampType: **MBLK** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **5/22/2006** RunNo: **63631**
Client ID: **PBS** Batch ID: **28152** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **5/23/2006** SeqNo: **941588**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methoxychlor	ND	8.5									
Toxaphene	ND	85									
Surr: Tetrachloro-m-xylene	14.774		16.65		88.7	60	109				
Surr: Decachlorobiphenyl	14.202		16.65		85.3	59	127				

Sample ID: **LCS-28152** SampType: **LCS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **5/22/2006** RunNo: **63631**
Client ID: **LCSS** Batch ID: **28152** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **5/23/2006** SeqNo: **941589**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	16.597	2.0	16.65	0	99.7	75	128				
Aldrin	16.518	1.0	16.65	0	99.2	80	124				
Dieldrin	15.601	2.0	16.65	0	93.7	82	121				
Endrin	18.221	2.0	16.65	0	109	79	141				
gamma-BHC	16.338	1.0	16.65	0	98.1	84	122				
Heptachlor	19.128	1.0	16.65	0	115	74	136				
Surr: Tetrachloro-m-xylene	14.541		16.65		87.3	60	109				
Surr: Decachlorobiphenyl	14.626		16.65		87.8	59	127				

Sample ID: **084532-004AMS** SampType: **MS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **5/22/2006** RunNo: **63631**
Client ID: **I5SB-HALL-HA298-0.** Batch ID: **28152** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **5/23/2006** SeqNo: **941590**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	16.354	2.0	16.65	0.6823	94.1	64	165				
Aldrin	15.845	1.0	16.65	0	95.2	68	135				
Dieldrin	14.880	2.0	16.65	0	89.4	48	165				
Endrin	17.412	2.0	16.65	0	105	60	186				
gamma-BHC	15.908	1.0	16.65	0	95.5	70	134				
Heptachlor	18.719	1.0	16.65	0	112	73	152				
Surr: Tetrachloro-m-xylene	13.888		16.65		83.4	60	109				
Surr: Decachlorobiphenyl	13.515		16.65		81.2	59	127				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 084532
Project: Caltrans -I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **084532-004AMSD** SampType: **MSD** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **5/22/2006** RunNo: **63631**
Client ID: **I5SB-HALL-HA298-0.** Batch ID: **28152** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **5/23/2006** SeqNo: **941591**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	18.178	2.0	16.65	0.6823	105	64	165	16.35	10.6	30	
Aldrin	17.461	1.0	16.65	0	105	68	135	15.84	9.71	30	
Dieldrin	16.268	2.0	16.65	0	97.7	48	165	14.88	8.91	30	
Endrin	19.310	2.0	16.65	0	116	60	186	17.41	10.3	30	
gamma-BHC	17.375	1.0	16.65	0	104	70	134	15.91	8.81	30	
Heptachlor	21.213	1.0	16.65	0	127	73	152	18.72	12.5	30	
Surr: Tetrachloro-m-xylene	14.786		16.65		88.8	60	109		0	30	
Surr: Decachlorobiphenyl	14.520		16.65		87.2	59	127		0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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D-TEK Analytical Laboratories, Inc.
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(858) 566-4540 FAX (858) 566-4542

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	**5/31/06**
Sampling Date:	**5/17/06**
Date Sample Received:	**5/23/06**
Date Extracted:	**5/24/06**
Date Analyzed:	**May 29, 2006**
Analyzed By:	**EA**
Method:	**EPA 8141A**
Sample Type:	**Soil**
Sample Log Number:	**06-3526 to 06-3535**

The sample(s) were analyzed with EPA methodology or equivalent methods as specified on the attached "Analyses Results" report. The symbol for "less than" indicates a value below the reportable detection limit.

The results of these analyses and the quality control data are enclosed.

Ellen Atienza
Operations Manager

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Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	5/31/06
Sampling Date:	5/17/06
Date Sample Received:	5/23/06
Date Extracted:	5/24/06
Date Analyzed:	May 29, 2006
Analyzed By:	EA
Sample Type:	Soil
Method:	EPA 8141A
Units:	µg/kg

ANALYSES RESULTS

Analysis	Detection Limit	Log Number:	06-3526	06-3527
		Sample ID:	084532-001B 15SB-HALL-HA295-0.5	084532-002B 15SB-HALL-HA296-0.5
Azinphos Methyl	5.0		<DL	<DL
Bolstar	5.0		<DL	<DL
Coumaphos	5.0		<DL	<DL
Demeton	5.0		<DL	<DL
Diazinon	5.0		<DL	<DL
Dichlorvos	5.0		<DL	<DL
Disulfoton	5.0		<DL	<DL
Dursban (Chlorpyrifos)	5.0		<DL	<DL
Ethoprop	5.0		<DL	<DL
Fensulfothion	10.0		<DL	<DL
Fenthion	5.0		<DL	<DL
Gardona (Stirophos)	5.0		<DL	<DL
Malathion	5.0		<DL	<DL
Merphos	5.0		<DL	<DL
Methyl Parathion	5.0		<DL	<DL
Mevinphos	5.0		<DL	<DL
Naled	5.0		<DL	<DL
Phorate	5.0		<DL	<DL
Ronnel	5.0		<DL	<DL
Tokuthion	5.0		<DL	<DL
Trichloronate	5.0		<DL	<DL

Ellen Atienza
Operations Manager

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Date of Report:	5/31/06
Sampling Date:	5/17/06
Date Sample Received:	5/23/06
Date Extracted:	5/24/06
Date Analyzed:	May 29, 2006
Analyzed By:	EA
Sample Type:	Soil
Method:	EPA 8141A
Units:	µg/kg

ANALYSES RESULTS

Analysis	Detection Limit	Log Number:	06-3528	06-3529
		Sample ID:	084532-003B 15SB-HALL-HA297-0.5	084532-004B 15SB-HALL-HA298-0.5
Azinphos Methyl	5.0		<DL	<DL
Bolstar	5.0		<DL	<DL
Coumaphos	5.0		<DL	<DL
Demeton	5.0		<DL	<DL
Diazinon	5.0		<DL	<DL
Dichlorvos	5.0		<DL	<DL
Disulfoton	5.0		<DL	<DL
Dursban (Chlorpyrifos)	5.0		<DL	<DL
Ethoprop	5.0		<DL	<DL
Fensulfothion	10.0		<DL	<DL
Fenthion	5.0		<DL	<DL
Gardona (Stirophos)	5.0		<DL	<DL
Malathion	5.0		<DL	<DL
Merphos	5.0		<DL	<DL
Methyl Parathion	5.0		<DL	<DL
Mevinphos	5.0		<DL	<DL
Naled	5.0		<DL	<DL
Phorate	5.0		<DL	<DL
Ronnel	5.0		<DL	<DL
Tokuthion	5.0		<DL	<DL
Trichloronate	5.0		<DL	<DL

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Attn: Ms. Rachelle Arada

Date of Report:	5/31/06
Sampling Date:	5/17/06
Date Sample Received:	5/23/06
Date Extracted:	5/24/06
Date Analyzed:	May 29, 2006
Analyzed By:	EA
Sample Type:	Soil
Method:	EPA 8141A
Units:	µg/kg

ANALYSES RESULTS

Analysis	Detection Limit	Log Number:	06-3530	06-3531
		Sample ID:	084532-005B 15SB-HALL-HA299-0.5	084532-006B 15SB-HALL-HA300-0.5
Azinphos Methyl	5.0		<DL	<DL
Bolstar	5.0		<DL	<DL
Coumaphos	5.0		<DL	<DL
Demeton	5.0		<DL	<DL
Diazinon	5.0		<DL	<DL
Dichlorvos	5.0		<DL	<DL
Disulfoton	5.0		<DL	<DL
Dursban (Chlorpyrifos)	5.0		<DL	<DL
Ethoprop	5.0		<DL	<DL
Fensulfothion	10.0		<DL	<DL
Fenthion	5.0		<DL	<DL
Gardona (Stirophos)	5.0		<DL	<DL
Malathion	5.0		<DL	<DL
Merphos	5.0		<DL	<DL
Methyl Parathion	5.0		<DL	<DL
Mevinphos	5.0		<DL	<DL
Naled	5.0		<DL	<DL
Phorate	5.0		<DL	<DL
Ronnel	5.0		<DL	<DL
Tokuthion	5.0		<DL	<DL
Trichloronate	5.0		<DL	<DL

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Attn: Ms. Rachelle Arada

Date of Report:	5/31/06
Sampling Date:	5/17/06
Date Sample Received:	5/23/06
Date Extracted:	5/24/06
Date Analyzed:	May 29, 2006
Analyzed By:	EA
Sample Type:	Soil
Method:	EPA 8141A
Units:	µg/kg

ANALYSES RESULTS

Analysis	Detection Limit	Log Number:	06-3532	06-3533
		Sample ID:	084532-007B 15SB-HALL-HA301-0.5	084532-008B 15SB-HALL-HA302-0.5
Azinphos Methyl	5.0		<DL	<DL
Bolstar	5.0		<DL	<DL
Coumaphos	5.0		<DL	<DL
Demeton	5.0		<DL	<DL
Diazinon	5.0		<DL	<DL
Dichlorvos	5.0		<DL	<DL
Disulfoton	5.0		<DL	<DL
Dursban (Chlorpyrifos)	5.0		<DL	<DL
Ethoprop	5.0		<DL	<DL
Fensulfothion	10.0		<DL	<DL
Fenthion	5.0		<DL	<DL
Gardona (Stirophos)	5.0		<DL	<DL
Malathion	5.0		<DL	<DL
Merphos	5.0		<DL	<DL
Methyl Parathion	5.0		<DL	<DL
Mevinphos	5.0		<DL	<DL
Naled	5.0		<DL	<DL
Phorate	5.0		<DL	<DL
Ronnel	5.0		<DL	<DL
Tokuthion	5.0		<DL	<DL
Trichloronate	5.0		<DL	<DL

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Attn: Ms. Rachelle Arada

Date of Report:	5/31/06
Sampling Date:	5/17/06
Date Sample Received:	5/23/06
Date Extracted:	5/24/06
Date Analyzed:	May 29, 2006
Analyzed By:	EA
Sample Type:	Soil
Method:	EPA 8141A
Units:	µg/kg

ANALYSES RESULTS

Analysis	Detection Limit	Log Number:	06-3534	06-3535
		Sample ID:	084532-009B 15SB-HALL-HA303-0.5	084532-010B 15SB-HALL-HA304-0.5
Azinphos Methyl	5.0		<DL	<DL
Bolstar	5.0		<DL	<DL
Coumaphos	5.0		<DL	<DL
Demeton	5.0		<DL	<DL
Diazinon	5.0		<DL	<DL
Dichlorvos	5.0		<DL	<DL
Disulfoton	5.0		<DL	<DL
Dursban (Chlorpyrifos)	5.0		<DL	<DL
Ethoprop	5.0		<DL	<DL
Fensulfothion	10.0		<DL	<DL
Fenthion	5.0		<DL	<DL
Gardona (Stirophos)	5.0		<DL	<DL
Malathion	5.0		<DL	<DL
Merphos	5.0		<DL	<DL
Methyl Parathion	5.0		<DL	<DL
Mevinphos	5.0		<DL	<DL
Naled	5.0		<DL	<DL
Phorate	5.0		<DL	<DL
Ronnel	5.0		<DL	<DL
Tokuthion	5.0		<DL	<DL
Trichloronate	5.0		<DL	<DL

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QUALITY CONTROL DATA REPORT

Date:	**5/31/06**
Attn:	**Ms. Rachelle Arada**
Date Extracted:	**5/24/06**
Date Analyzed:	**May 29, 2006**
Analysis Method:	**EPA 8141A**
Log#:	**06-3526 to 06-3535**

METHOD BLANK

No target analytes were detected in the method blank.

LABORATORY CONTROL SAMPLE

Compound	% Recovery	QC Limits:*
Diazinon	90	40-130
Methyl Parathion	91	40-130
Dursban (Chlorpyrifos)	83	40-130
Gardona(Stirophos)	72	40-130

Matrix Spike (06-3528)

Compound	Spike % Recovery	Spike Dup. % Recovery	MS/MSD RPD %	RPD Limits
Diazinon	118	120	2	30
Methyl Parathion	112	116	4	30
Dursban (Chlorpyrifos)	111	118	6	30
Gardona (Stirophos)	86	88	2	30

*QC limits applies to LCS, MS and MSD

QUALITY CONTROL TERMINOLOGY

- **LCS - LABORATORY CONTROL SAMPLE.** Reported as % recovery of an independent standard carried through all sample preparation procedures to verify method performance. Acceptable range is based on historical laboratory control data and EPA requirements. Any out-of-control QC data is clearly indicated.
- **Spike-** environmental sample is matrix spiked with method compounds and % recovery of concentration spiked into sample is calculated. Reported as % recovery. Acceptable range for "Normal Matrix Sample" is based on historical laboratory control data. Any out-of-control QC data is clearly indicated.
- **Surrogates-** Compounds representative of a group of compounds. Surrogates are spiked into environmental samples and % recovery of concentration spiked is calculated and reported. Acceptable range varies depending on sample matrix and analysis method. Any out-of-control QC data is clearly indicated.

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SURROGATE RECOVERIES
(Tributylphosphate)

Log #	Percent Recovery:
Method Blank	102
06-3526	115
06-3527	112
06-3528	90
06-3529	126
06-3530	135
06-3531	160
06-3532	112
06-3533	128
06-3534	102
06-3535	119
LCS	128
06-3528 MS	90
06-3528 MSD	90

QC Limits: 50 to 170%

Ellen Atienza
Operations Manager

QUALITY CONTROL TERMINOLOGY

- **LCS - LABORATORY CONTROL SAMPLE.** Reported as % recovery of an independent standard carried through all sample preparation procedures to verify method performance. Acceptable range is based on historical laboratory control data and EPA requirements. Any out-of-control QC data is clearly indicated.
- **Spike-** environmental sample is matrix spiked with method compounds and % recovery of concentration spiked into sample is calculated. Reported as % recovery. Acceptable range for "Normal Matrix Sample" is based on historical laboratory control data. Any out-of-control QC data is clearly indicated.
- **Surrogates-** Compounds representative of a group of compounds. Surrogates are spiked into environmental samples and % recovery of concentration spiked is calculated and reported. Acceptable range varies depending on sample matrix and analysis method. Any out-of-control QC data is clearly indicated.

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755-5225
TEL: *5629894045* FAX: *5629894040*

CHAIN-OF-CUSTODY RECORD

QC Level: CT

Subcontractor:
D-Tek
9020 Kenamar Drive, Suite 205
San Diego, CA 92121

TEL: (858) 566-4540
FAX: (858) 566-4542
Acct #:

22-May-06

	Sample ID	Matrix	Date Collected	Bottle Type	EPA 8141A	Requested Tests
084532-001B	/ I5SB-HALL-HA295-0.5	Soil	5/17/2006 9:05:00 AM	4OZG	1	06 - 3526
084532-002B	/ I5SB-HALL-HA296-0.5	Soil	5/17/2006 9:20:00 AM	4OZG	1	06 - 3527
084532-003B	/ I5SB-HALL-HA297-0.5	Soil	5/17/2006 9:40:00 AM	4OZG	1	06 - 3528
084532-004B	/ I5SB-HALL-HA298-0.5	Soil	5/17/2006 9:50:00 AM	4OZG	1	06 - 3529
084532-005B	/ I5SB-HALL-HA299-0.5	Soil	5/17/2006 10:00:00 AM	4OZG	1	06 - 3530
084532-006B	/ I5SB-HALL-HA300-0.5	Soil	5/17/2006 10:10:00 AM	4OZG	1	06 - 3531
084532-007B	/ I5SB-HALL-HA301-0.5	Soil	5/17/2006 10:30:00 AM	4OZG	1	06 - 3532
084532-008B	/ I5SB-HALL-HA302-0.5	Soil	5/17/2006 10:45:00 AM	4OZG	1	06 - 3533
084532-009B	/ I5SB-HALL-HA303-0.5	Soil	5/17/2006 10:50:00 AM	4OZG	1	06 - 3534
084532-010B	/ I5SB-HALL-HA304-0.5	Soil	5/17/2006 11:05:00 AM	4OZG	1	06 - 3535

General Comments: Please use PO#: SC00665 Please fax results by: NORMAL TAT
SEND REPORT TO RACHELLE ARADA

		Date/Time			Date/Time
Relinquished by:			Received by:		5-22-06 4:20p
Relinquished by:		5-23-06 11:05a	Received by:		5/23/06 1105

Advanced Technology Labs	Project:	NA	
3275 Walnut Avenue	Project Number:	PO# SC00666	**Reported:**
Signal Hill CA, 90755	Project Manager:	Rachelle Arada	06/01/06 09:39

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
084532-001C / 15SB-HALL-HA295-0.5	0605431-01	Soil	05/17/06 09:05	05/23/06 13:00
084532-002C / 15SB-HALL-HA296-0.5	0605431-02	Soil	05/17/06 09:20	05/23/06 13:00
084532-003C / 15SB-HALL-HA297-0.5	0605431-03	Soil	05/17/06 09:40	05/23/06 13:00
084532-004C / 15SB-HALL-HA298-0.5	0605431-04	Soil	05/17/06 09:50	05/23/06 13:00
084532-005C / 15SB-HALL-HA299-0.5	0605431-05	Soil	05/17/06 10:00	05/23/06 13:00
084532-006C / 15SB-HALL-HA300-0.5	0605431-06	Soil	05/17/06 10:10	05/23/06 13:00
084532-007C / 15SB-HALL-HA301-0.5	0605431-07	Soil	05/17/06 10:30	05/23/06 13:00
084532-008C / 15SB-HALL-HA302-0.5	0605431-08	Soil	05/17/06 10:45	05/23/06 13:00
084532-009C / 15SB-HALL-HA303-0.5	0605431-09	Soil	05/17/06 10:50	05/23/06 13:00
084532-010C / 15SB-HALL-HA304-0.5	0605431-10	Soil	05/17/06 11:05	05/23/06 13:00

CASE NARRATIVE

SAMPLE RECEIPT:	Samples were received intact, at 4 °C, and accompanied by chain of custody documentation.
PRESERVATION:	Samples requiring preservation were verified prior to sample preparation and analysis.
HOLDING TIMES:	All holding times were met, unless otherwise noted in the report with data qualifiers.
QA/QC CRITERIA:	All quality objective criteria were met, except as noted in the report with data qualifiers.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653
TELEPHONE: (949) 348-9389 FAX: (949) 348-9115
E-MAIL: SIERRALABS @ SIERRALABS.NET

Advanced Technology Labs	Project: NA	
3275 Walnut Avenue	Project Number: PO# SC00666	**Reported:**
Signal Hill CA, 90755	Project Manager: Rachelle Arada	06/01/06 09:39

Chlorinated Herbicides by EPA Method 8151A

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
084532-001C / 15SB-HALL-HA295-0.5 (0605431-01) Soil Sampled: 05/17/06 09:05 Received: 05/23/06 13:00									
2,4,5-T	ND	1.6	µg/kg	1	B6E3132	05/26/06	05/26/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*71.1 %*	*35-150*		"	"	"	"	
084532-002C / 15SB-HALL-HA296-0.5 (0605431-02) Soil Sampled: 05/17/06 09:20 Received: 05/23/06 13:00									
2,4,5-T	ND	1.6	µg/kg	1	B6E3132	05/26/06	05/26/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*64.9 %*	*35-150*		"	"	"	"	

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Advanced Technology Labs	Project: NA	
3275 Walnut Avenue	Project Number: PO# SC00666	**Reported:**
Signal Hill CA, 90755	Project Manager: Rachelle Arada	06/01/06 09:39

Chlorinated Herbicides by EPA Method 8151A

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
084532-003C / 15SB-HALL-HA297-0.5 (0605431-03) Soil Sampled: 05/17/06 09:40 Received: 05/23/06 13:00									
2,4,5-T	ND	1.6	µg/kg	1	B6E3132	05/26/06	05/26/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*61.1 %*	*35-150*		"	"	"	"	
084532-004C / 15SB-HALL-HA298-0.5 (0605431-04) Soil Sampled: 05/17/06 09:50 Received: 05/23/06 13:00									
2,4,5-T	ND	1.6	µg/kg	1	B6E3132	05/26/06	05/26/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*54.6 %*	*35-150*		"	"	"	"	

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Advanced Technology Labs	Project: NA	
3275 Walnut Avenue	Project Number: PO# SC00666	**Reported:**
Signal Hill CA, 90755	Project Manager: Rachelle Arada	06/01/06 09:39

Chlorinated Herbicides by EPA Method 8151A

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
084532-005C / 15SB-HALL-HA299-0.5 (0605431-05) Soil Sampled: 05/17/06 10:00 Received: 05/23/06 13:00									
2,4,5-T	ND	1.6	µg/kg	1	B6E3132	05/26/06	05/26/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*44.4 %*	*35-150*		"	"	"	"	
084532-006C / 15SB-HALL-HA300-0.5 (0605431-06) Soil Sampled: 05/17/06 10:10 Received: 05/23/06 13:00									
2,4,5-T	ND	1.6	µg/kg	1	B6E3132	05/26/06	05/27/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*61.8 %*	*35-150*		"	"	"	"	

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Advanced Technology Labs	Project: NA	
3275 Walnut Avenue	Project Number: PO# SC00666	**Reported:**
Signal Hill CA, 90755	Project Manager: Rachelle Arada	06/01/06 09:39

Chlorinated Herbicides by EPA Method 8151A

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
084532-007C / 15SB-HALL-HA301-0.5 (0605431-07) Soil Sampled: 05/17/06 10:30 Received: 05/23/06 13:00									
2,4,5-T	ND	1.6	µg/kg	1	B6E3132	05/26/06	05/27/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*57.8 %*	*35-150*		"	"	"	"	
084532-008C / 15SB-HALL-HA302-0.5 (0605431-08) Soil Sampled: 05/17/06 10:45 Received: 05/23/06 13:00									
2,4,5-T	ND	1.6	µg/kg	1	B6E3132	05/26/06	05/27/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*81.7 %*	*35-150*		"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Labs	Project: NA	
3275 Walnut Avenue	Project Number: PO# SC00666	**Reported:**
Signal Hill CA, 90755	Project Manager: Rachelle Arada	06/01/06 09:39

Chlorinated Herbicides by EPA Method 8151A

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
084532-009C / 15SB-HALL-HA303-0.5 (0605431-09) Soil Sampled: 05/17/06 10:50 Received: 05/23/06 13:00									
2,4,5-T	ND	1.6	µg/kg	1	B6E3132	05/26/06	05/27/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*54.3 %*	*35-150*		"	"	"	"	
084532-010C / 15SB-HALL-HA304-0.5 (0605431-10) Soil Sampled: 05/17/06 11:05 Received: 05/23/06 13:00									
2,4,5-T	ND	1.6	µg/kg	1	B6E3132	05/26/06	05/27/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*124 %*	*35-150*		"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Labs	Project: NA	
3275 Walnut Avenue	Project Number: PO# SC00666	**Reported:**
Signal Hill CA, 90755	Project Manager: Rachelle Arada	06/01/06 09:39

Chlorinated Herbicides by EPA Method 8151A - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6E3132 - EPA 3550B Solid Ext										
Blank (B6E3132-BLK1)				Prepared & Analyzed: 05/26/06						
2,4,5-T	ND	1.6	µg/kg							
2,4,5-TP (Silvex)	ND	1.6	"							
2,4-D	ND	1.6	"							
2,4-DB	ND	4.0	"							
3,5-Dichlorobenzoic acid	ND	2.0	"							
4-Nitrophenol	ND	2.0	"							
Acifluorfen	ND	1.6	"							
Bentazon	ND	1.6	"							
Chloramben	ND	1.6	"							
Dalapon	ND	20	"							
DCPA diacid	ND	1.6	"							
Dicamba	ND	1.6	"							
Dichlorprop	ND	1.6	"							
Dinoseb	ND	1.6	"							
Pentachlorophenol	ND	1.6	"							
Picloram	ND	1.6	"							
Surrogate: 2,4-Dichlorophenylacetic Acid	*62.3*		*"*	*100*		*62.3*	*35-150*			
LCS (B6E3132-BS1)				Prepared & Analyzed: 05/26/06						
2,4,5-T	6.93	1.6	µg/kg	10.0		69.3	20-150			
2,4,5-TP (Silvex)	8.05	1.6	"	10.0		80.5	20-150			
Dichlorprop	7.02	1.6	"	10.0		70.2	20-150			
Dinoseb	8.49	1.6	"	10.0		84.9	20-150			
LCS (B6E3132-BS2)				Prepared & Analyzed: 05/26/06						
2,4,5-T	7.71	1.6	µg/kg	10.0		77.1	20-150			
2,4,5-TP (Silvex)	8.86	1.6	"	10.0		88.6	20-150			
Dichlorprop	7.88	1.6	"	10.0		78.8	20-150			
Dinoseb	9.25	1.6	"	10.0		92.5	20-150			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653
TELEPHONE: (949) 348-9389 FAX: (949) 348-9115
E-MAIL: SIERRALABS @ SIERRALABS.NET

Advanced Technology Labs	Project: NA	
3275 Walnut Avenue	Project Number: PO# SC00666	**Reported:**
Signal Hill CA, 90755	Project Manager: Rachelle Arada	06/01/06 09:39

Chlorinated Herbicides by EPA Method 8151A - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6E3132 - EPA 3550B Solid Ext										
LCS Dup (B6E3132-BSD1)				Prepared & Analyzed: 05/26/06						
2,4,5-T	6.22	1.6	µg/kg	10.0		62.2	20-150	10.8	30	
2,4,5-TP (Silvex)	7.48	1.6	"	10.0		74.8	20-150	7.34	30	
Dichlorprop	6.60	1.6	"	10.0		66.0	20-150	6.17	30	
Dinoseb	8.30	1.6	"	10.0		83.0	20-150	2.26	30	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755-5225
TEL: *5629894045* FAX: *5629894040*

CHAIN-OF-CUSTODY RECORD

QC Level: CT

Subcontractor:

Sierra Laboratories
26052 Merit Circle Suite 105
Laguna Hills, CA 92653

TEL: (949) 348-9389
FAX: (949) 348-9115
Acct #:

19-May-06

	Sample ID	Matrix	Date Collected	Bottle Type	Requested Tests EPA 8151
084532-001C	/ I5SB-HALL-HA295.05	Soil	5/17/2006 9:05:00 AM	4OZG	1
084532-002C	/ I5SB-HALL-HA296-0.5	Soil	5/17/2006 9:20:00 AM	4OZG	1
084532-003C	/ I5SB-HALL-HA297-0.5	Soil	5/17/2006 9:40:00 AM	4OZG	1
084532-004C	/ I5SB-HALL-HA298-0.5	Soil	5/17/2006 9:50:00 AM	4OZG	1
084532-005C	/ I5SB-HALL-HA299-0.5	Soil	5/17/2006 10:00:00 AM	4OZG	1
084532-006C	/ I5SB-HALL-HA300-0.5	Soil	5/17/2006 10:10:00 AM	4OZG	1
084532-007C	/ I5SB-HALL-HA301-0.5	Soil	5/17/2006 10:30:00 AM	4OZG	1
084532-008C	/ I5SB-HALL-HA302-0.5	Soil	5/17/2006 10:45:00 AM	4OZG	1
084532-009C	/ I5SB-HALL-HA303-0.5	Soil	5/17/2006 10:50:00 AM	4OZG	1
084532-010C	/ I5SB-HALL-HA304-0.5	Soil	5/17/2006 11:05:00 AM	4OZG	1

General Comments: Please use PO#: SC00666 Please fax results by: ~~DUE 5/24/06~~ Normal TAT. w Grv
SEND REPORT TO RACHELLE ARADA

	Date/Time		Date/Time
Relinquished by:	5/19/06 1910	**Received by:**	
Relinquished by:		**Received by:**	

HALL 5-17-06 - WEDNESDAY

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: Date: 5/19/06

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other:

Sample Condition Upon Receipt: 1. CHILLED Y ☑ N ☐ 2. HEADSPACE (VOA) Y ☐ N ☐ 3. CONTAINER INTACT Y ☑ N ☐ 4. SEALED Y ☐ N ☑ 5. # OF SPLS MATCH COC Y ☑ N ☐ 6. PRESERVED Y ☐ N ☑

Client: Niyo & Moore
Attn: Scott Snyder
Address: 5710 Ruffin Rd
City: SAN Diego State: CA Zip Code: 92123
TEL: (858) 576-1000
FAX: (858) 576-9600

Project Name: Caltrans - I-5
Project #: 105812001
Sampler: (Printed Name) MATT ROE (Signature) Matt Roe

Relinquished by: (Signature and Printed Name) Date: 5/19/06 Time: 1312 Received by: (Signature and Printed Name) Date: 5/18/06 Time: 1312
Relinquished by: (Signature and Printed Name) Date: 5/19/06 Time: 1700 Received by: (Signature and Printed Name) Date: 5/19/06 Time: 1700
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: MATT ROE 5-17-06
Print Name Date
Signature: Matt Roe

Send Report To:
Attn: Scott Snyder
Co: Niyo & Moore
Address: 5710 Ruffin Rd
City: SD State: CA Zip: 92123

Bill To:
Attn: See info
Co:
Address:
City State Zip

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	8141 - Pest	8151 - Herb	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	084532-001	ISSB-HALL-HA295-0.5	5/17/06	9:05	X								X	X							2	5	6	C
	-002	ISSB-HALL-HA296-0.5	"	9:20	X								X	X										
	-003	ISSB-HALL-HA297-0.5	"	9:40	X								X	X										
	-004	ISSB-HALL-HA298-0.5	"	9:50	X								X	X										
	-005	ISSB-HALL-HA299-0.5	"	10:00	X								X	X										
	-006	ISSB-HALL-HA300-0.5	"	10:10	X								X	X										
	-007	ISSB-HALL-HA301-0.5	"	10:30	X								X	X										
	-008	ISSB-HALL-HA302-0.5	"	10:45	X								X	X										
	-009	ISSB-HALL-HA303-0.5	"	10:50	X								X	X										
	-010	ISSB-HALL-HA304-0.5	"	11:05	X								X	X										

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

June 06, 2006

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 084533

RE: Caltrans I-5, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on May 19, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: *06-Jun-06*

CLIENT: Ninyo & Moore
Project: Caltrans I-5, 105812001
Lab Order: 084533
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
084533-001A	I5SB-HALL-HA305-0.5	Soil	5/18/2006	5/19/2006	6/6/2006
084533-001B	I5SB-HALL-HA305-0.5	Soil	5/18/2006	5/19/2006	6/6/2006
084533-001C	I5SB-HALL-HA305-0.5	Soil	5/18/2006	5/19/2006	6/6/2006
084533-002A	I5SB-HALL-HA306-0.5	Soil	5/18/2006	5/19/2006	6/6/2006
084533-002B	I5SB-HALL-HA306-0.5	Soil	5/18/2006	5/19/2006	6/6/2006
084533-002C	I5SB-HALL-HA306-0.5	Soil	5/18/2006	5/19/2006	6/6/2006
084533-003A	I5SB-HALL-HA307-0.5	Soil	5/18/2006	5/19/2006	6/6/2006
084533-003B	I5SB-HALL-HA307-0.5	Soil	5/18/2006	5/19/2006	6/6/2006
084533-003C	I5SB-HALL-HA307-0.5	Soil	5/18/2006	5/19/2006	6/6/2006
084533-004A	I5SB-HALL-HA308-0.5	Soil	5/18/2006	5/19/2006	6/6/2006
084533-004B	I5SB-HALL-HA308-0.5	Soil	5/18/2006	5/19/2006	6/6/2006
084533-004C	I5SB-HALL-HA308-0.5	Soil	5/18/2006	5/19/2006	6/6/2006
084533-005A	I5SB-HALL-HA309-0.5	Soil	5/18/2006	5/19/2006	6/6/2006
084533-005B	I5SB-HALL-HA309-0.5	Soil	5/18/2006	5/19/2006	6/6/2006
084533-005C	I5SB-HALL-HA309-0.5	Soil	5/18/2006	5/19/2006	6/6/2006
084533-006A	I5SB-HALL-HA310-0.5	Soil	5/18/2006	5/19/2006	6/6/2006
084533-006B	I5SB-HALL-HA310-0.5	Soil	5/18/2006	5/19/2006	6/6/2006
084533-006C	I5SB-HALL-HA310-0.5	Soil	5/18/2006	5/19/2006	6/6/2006
084533-007A	I5SB-HALL-HA311-0.5	Soil	5/18/2006	5/19/2006	6/6/2006
084533-007B	I5SB-HALL-HA311-0.5	Soil	5/18/2006	5/19/2006	6/6/2006
084533-007C	I5SB-HALL-HA311-0.5	Soil	5/18/2006	5/19/2006	6/6/2006
084533-008A	I5SB-HALL-HA312-0.5	Soil	5/18/2006	5/19/2006	6/6/2006
084533-008B	I5SB-HALL-HA312-0.5	Soil	5/18/2006	5/19/2006	6/6/2006
084533-008C	I5SB-HALL-HA312-0.5	Soil	5/18/2006	5/19/2006	6/6/2006
084533-009A	I5SB-HALL-HA313-0.5	Soil	5/18/2006	5/19/2006	6/6/2006
084533-009B	I5SB-HALL-HA313-0.5	Soil	5/18/2006	5/19/2006	6/6/2006
084533-009C	I5SB-HALL-HA313-0.5	Soil	5/18/2006	5/19/2006	6/6/2006
084533-010A	I5SB-HALL-HA314-0.5	Soil	5/18/2006	5/19/2006	6/6/2006
084533-010B	I5SB-HALL-HA314-0.5	Soil	5/18/2006	5/19/2006	6/6/2006

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Project: Caltrans I-5, 105812001
Lab Order: 084533
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
084533-010C	I5SB-HALL-HA314-0.5	Soil	5/18/2006	5/19/2006	6/6/2006
084533-011A	I5SB-HALL-HA315-0.5	Soil	5/18/2006	5/19/2006	6/6/2006
084533-011B	I5SB-HALL-HA315-0.5	Soil	5/18/2006	5/19/2006	6/6/2006
084533-011C	I5SB-HALL-HA315-0.5	Soil	5/18/2006	5/19/2006	6/6/2006
084533-012A	I5SB-HALL-HA316-0.5	Soil	5/18/2006	5/19/2006	6/6/2006
084533-012B	I5SB-HALL-HA316-0.5	Soil	5/18/2006	5/19/2006	6/6/2006
084533-012C	I5SB-HALL-HA316-0.5	Soil	5/18/2006	5/19/2006	6/6/2006
084533-013A	I5SB-HALL-HA317-0.5	Soil	5/18/2006	5/19/2006	6/6/2006
084533-013B	I5SB-HALL-HA317-0.5	Soil	5/18/2006	5/19/2006	6/6/2006
084533-013C	I5SB-HALL-HA317-0.5	Soil	5/18/2006	5/19/2006	6/6/2006
084533-014A	I5SB-HALL-HA318-0.5	Soil	5/18/2006	5/19/2006	6/6/2006
084533-014B	I5SB-HALL-HA318-0.5	Soil	5/18/2006	5/19/2006	6/6/2006
084533-014C	I5SB-HALL-HA318-0.5	Soil	5/18/2006	5/19/2006	6/6/2006
084533-015A	Equip-HA-051706	Water	5/17/2006	5/19/2006	6/6/2006
084533-016A	Equip-HA-051806	Water	5/18/2006	5/19/2006	6/6/2006

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CASE NARRATIVE

The samples for EPA 8141 analysis were subcontracted to D-tek Analytical Laboratories, Inc. with ELAP Cert. 2344.

The samples for EPA 8151 analysis were subcontracted to Sierra Analytical Laboratories, Inc. with ELAP Cert. 2320.

Analytical Comments for EPA 8081A

1. RPD for Sample Duplicate (DUP) is outside criteria for sample 084533-007ADUP and 084533-013ADUP; however, the Laboratory Control Sample (LCS) validated the analytical batch.

2. Sample 084533-011AMS, Matrix Spike (MS) and /or Matrix Spike Duplicate (MSD) are outside recoverycriteria; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

3. Sample 084533-011AMSD, Matrix Spike (MS) and /or Matrix Spike Duplicate (MSD) are outside recoverycriteia (value above quantitation range); however, the analytical batch was validated by the Laboratory Control Sample (LCS).

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *06-Jun-06*

CLIENT: Ninyo & Moore
Lab Order: 084533
Project: Caltrans I-5, 105812001
Lab ID: 084533-001

Client Sample ID: I5SB-HALL-HA305-0.5
Collection Date: 5/18/2006 9:35:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3550B				**EPA 8081A**		
RunID: GC9_060523A	QC Batch: 28154			PrepDate:	5/22/2006	Analyst: **EES**
4,4´-DDD	ND	2.0		µg/Kg	1	5/23/2006
4,4´-DDE	ND	2.0		µg/Kg	1	5/23/2006
4,4´-DDT	ND	2.0		µg/Kg	1	5/23/2006
Aldrin	ND	1.0		µg/Kg	1	5/23/2006
alpha-BHC	ND	1.0		µg/Kg	1	5/23/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	5/23/2006
beta-BHC	ND	1.0		µg/Kg	1	5/23/2006
Chlordane	ND	8.5		µg/Kg	1	5/23/2006
delta-BHC	ND	1.0		µg/Kg	1	5/23/2006
Dieldrin	ND	2.0		µg/Kg	1	5/23/2006
Endosulfan I	ND	1.0		µg/Kg	1	5/23/2006
Endosulfan II	ND	2.0		µg/Kg	1	5/23/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	5/23/2006
Endrin	ND	2.0		µg/Kg	1	5/23/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	5/23/2006
Endrin ketone	ND	2.0		µg/Kg	1	5/23/2006
gamma-BHC	ND	1.0		µg/Kg	1	5/23/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	5/23/2006
Heptachlor	ND	1.0		µg/Kg	1	5/23/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	5/23/2006
Methoxychlor	ND	8.5		µg/Kg	1	5/23/2006
Toxaphene	ND	85		µg/Kg	1	5/23/2006
Surr: Decachlorobiphenyl	87.8	59-127		%REC	1	5/23/2006
Surr: Tetrachloro-m-xylene	87.0	60-109		%REC	1	5/23/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *06-Jun-06*

CLIENT: Ninyo & Moore
Lab Order: 084533
Project: Caltrans I-5, 105812001
Lab ID: 084533-002

Client Sample ID: I5SB-HALL-HA306-0.5
Collection Date: 5/18/2006 10:00:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3550B				**EPA 8081A**		
RunID: GC9_060523A	QC Batch: 28154			PrepDate:	5/22/2006	Analyst: **EES**
4,4´-DDD	4.0	2.0		µg/Kg	1	5/23/2006
4,4´-DDE	90	10		µg/Kg	5	5/23/2006
4,4´-DDT	41	2.0		µg/Kg	1	5/23/2006
Aldrin	ND	1.0		µg/Kg	1	5/23/2006
alpha-BHC	ND	1.0		µg/Kg	1	5/23/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	5/23/2006
beta-BHC	ND	1.0		µg/Kg	1	5/23/2006
Chlordane	ND	8.5		µg/Kg	1	5/23/2006
delta-BHC	ND	1.0		µg/Kg	1	5/23/2006
Dieldrin	ND	2.0		µg/Kg	1	5/23/2006
Endosulfan I	ND	1.0		µg/Kg	1	5/23/2006
Endosulfan II	ND	2.0		µg/Kg	1	5/23/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	5/23/2006
Endrin	ND	2.0		µg/Kg	1	5/23/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	5/23/2006
Endrin ketone	ND	2.0		µg/Kg	1	5/23/2006
gamma-BHC	ND	1.0		µg/Kg	1	5/23/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	5/23/2006
Heptachlor	ND	1.0		µg/Kg	1	5/23/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	5/23/2006
Methoxychlor	ND	8.5		µg/Kg	1	5/23/2006
Toxaphene	170	85		µg/Kg	1	5/23/2006
Surr: Decachlorobiphenyl	95.0	59-127		%REC	1	5/23/2006
Surr: Tetrachloro-m-xylene	92.2	60-109		%REC	1	5/23/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *06-Jun-06*

CLIENT: Ninyo & Moore
Lab Order: 084533
Project: Caltrans I-5, 105812001
Lab ID: 084533-003

Client Sample ID: I5SB-HALL-HA307-0.5
Collection Date: 5/18/2006 10:10:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3550B				**EPA 8081A**		
RunID: GC9_060523A	QC Batch: 28154				PrepDate: 5/22/2006	Analyst: **EES**
4,4´-DDD	14	2.0		µg/Kg	1	5/23/2006
4,4´-DDE	250	10		µg/Kg	5	5/23/2006
4,4´-DDT	83	10		µg/Kg	5	5/23/2006
Aldrin	ND	1.0		µg/Kg	1	5/23/2006
alpha-BHC	ND	1.0		µg/Kg	1	5/23/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	5/23/2006
beta-BHC	ND	1.0		µg/Kg	1	5/23/2006
Chlordane	ND	8.5		µg/Kg	1	5/23/2006
delta-BHC	ND	1.0		µg/Kg	1	5/23/2006
Dieldrin	ND	2.0		µg/Kg	1	5/23/2006
Endosulfan I	ND	1.0		µg/Kg	1	5/23/2006
Endosulfan II	ND	2.0		µg/Kg	1	5/23/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	5/23/2006
Endrin	ND	2.0		µg/Kg	1	5/23/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	5/23/2006
Endrin ketone	ND	2.0		µg/Kg	1	5/23/2006
gamma-BHC	ND	1.0		µg/Kg	1	5/23/2006
gamma-Chlordane	3.3	1.0		µg/Kg	1	5/23/2006
Heptachlor	ND	1.0		µg/Kg	1	5/23/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	5/23/2006
Methoxychlor	ND	8.5		µg/Kg	1	5/23/2006
Toxaphene	430	420		µg/Kg	5	5/23/2006
Surr: Decachlorobiphenyl	90.8	59-127		%REC	1	5/23/2006
Surr: Tetrachloro-m-xylene	91.1	60-109		%REC	1	5/23/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *06-Jun-06*

CLIENT: Ninyo & Moore
Lab Order: 084533
Project: Caltrans I-5, 105812001
Lab ID: 084533-004

Client Sample ID: I5SB-HALL-HA308-0.5
Collection Date: 5/18/2006 10:25:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3550B				**EPA 8081A**		
RunID: GC9_060523A	QC Batch: 28154				PrepDate: 5/22/2006	Analyst: **EES**
4,4´-DDD	22	2.0		µg/Kg	1	5/23/2006
4,4´-DDE	620	20		µg/Kg	10	5/23/2006
4,4´-DDT	130	20		µg/Kg	10	5/23/2006
Aldrin	ND	1.0		µg/Kg	1	5/23/2006
alpha-BHC	ND	1.0		µg/Kg	1	5/23/2006
alpha-Chlordane	5.2	1.0		µg/Kg	1	5/23/2006
beta-BHC	ND	1.0		µg/Kg	1	5/23/2006
Chlordane	ND	8.5		µg/Kg	1	5/23/2006
delta-BHC	ND	1.0		µg/Kg	1	5/23/2006
Dieldrin	ND	2.0		µg/Kg	1	5/23/2006
Endosulfan I	ND	1.0		µg/Kg	1	5/23/2006
Endosulfan II	ND	2.0		µg/Kg	1	5/23/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	5/23/2006
Endrin	ND	2.0		µg/Kg	1	5/23/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	5/23/2006
Endrin ketone	ND	2.0		µg/Kg	1	5/23/2006
gamma-BHC	ND	1.0		µg/Kg	1	5/23/2006
gamma-Chlordane	7.3	1.0		µg/Kg	1	5/23/2006
Heptachlor	ND	1.0		µg/Kg	1	5/23/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	5/23/2006
Methoxychlor	ND	8.5		µg/Kg	1	5/23/2006
Toxaphene	910	850		µg/Kg	10	5/23/2006
Surr: Decachlorobiphenyl	90.2	59-127		%REC	1	5/23/2006
Surr: Tetrachloro-m-xylene	78.7	60-109		%REC	1	5/23/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *06-Jun-06*

CLIENT: Ninyo & Moore
Lab Order: 084533
Project: Caltrans I-5, 105812001
Lab ID: 084533-005

Client Sample ID: I5SB-HALL-HA309-0.5
Collection Date: 5/18/2006 10:35:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3550B				**EPA 8081A**		
RunID: GC9_060523A	QC Batch: 28154			PrepDate:	5/22/2006	Analyst: **EES**
4,4´-DDD	ND	2.0		µg/Kg	1	5/23/2006
4,4´-DDE	51	2.0		µg/Kg	1	5/23/2006
4,4´-DDT	21	2.0		µg/Kg	1	5/23/2006
Aldrin	ND	1.0		µg/Kg	1	5/23/2006
alpha-BHC	ND	1.0		µg/Kg	1	5/23/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	5/23/2006
beta-BHC	ND	1.0		µg/Kg	1	5/23/2006
Chlordane	ND	8.5		µg/Kg	1	5/23/2006
delta-BHC	ND	1.0		µg/Kg	1	5/23/2006
Dieldrin	ND	2.0		µg/Kg	1	5/23/2006
Endosulfan I	ND	1.0		µg/Kg	1	5/23/2006
Endosulfan II	ND	2.0		µg/Kg	1	5/23/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	5/23/2006
Endrin	ND	2.0		µg/Kg	1	5/23/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	5/23/2006
Endrin ketone	ND	2.0		µg/Kg	1	5/23/2006
gamma-BHC	ND	1.0		µg/Kg	1	5/23/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	5/23/2006
Heptachlor	ND	1.0		µg/Kg	1	5/23/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	5/23/2006
Methoxychlor	ND	8.5		µg/Kg	1	5/23/2006
Toxaphene	110	85		µg/Kg	1	5/23/2006
Surr: Decachlorobiphenyl	88.3	59-127		%REC	1	5/23/2006
Surr: Tetrachloro-m-xylene	87.4	60-109		%REC	1	5/23/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *06-Jun-06*

CLIENT: Ninyo & Moore
Lab Order: 084533
Project: Caltrans I-5, 105812001
Lab ID: 084533-006

Client Sample ID: I5SB-HALL-HA310-0.5
Collection Date: 5/18/2006 10:40:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3550B				**EPA 8081A**		
RunID: GC9_060523A	QC Batch: 28154			PrepDate:	5/22/2006	Analyst: **EES**
4,4´-DDD	ND	2.0		µg/Kg	1	5/23/2006
4,4´-DDE	5.3	2.0		µg/Kg	1	5/23/2006
4,4´-DDT	ND	2.0		µg/Kg	1	5/23/2006
Aldrin	ND	1.0		µg/Kg	1	5/23/2006
alpha-BHC	ND	1.0		µg/Kg	1	5/23/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	5/23/2006
beta-BHC	ND	1.0		µg/Kg	1	5/23/2006
Chlordane	ND	8.5		µg/Kg	1	5/23/2006
delta-BHC	ND	1.0		µg/Kg	1	5/23/2006
Dieldrin	ND	2.0		µg/Kg	1	5/23/2006
Endosulfan I	ND	1.0		µg/Kg	1	5/23/2006
Endosulfan II	ND	2.0		µg/Kg	1	5/23/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	5/23/2006
Endrin	ND	2.0		µg/Kg	1	5/23/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	5/23/2006
Endrin ketone	ND	2.0		µg/Kg	1	5/23/2006
gamma-BHC	ND	1.0		µg/Kg	1	5/23/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	5/23/2006
Heptachlor	ND	1.0		µg/Kg	1	5/23/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	5/23/2006
Methoxychlor	ND	8.5		µg/Kg	1	5/23/2006
Toxaphene	ND	85		µg/Kg	1	5/23/2006
Surr: Decachlorobiphenyl	89.7	59-127		%REC	1	5/23/2006
Surr: Tetrachloro-m-xylene	91.9	60-109		%REC	1	5/23/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *06-Jun-06*

CLIENT: Ninyo & Moore
Lab Order: 084533
Project: Caltrans I-5, 105812001
Lab ID: 084533-007

Client Sample ID: I5SB-HALL-HA311-0.5
Collection Date: 5/18/2006 10:55:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3550B				**EPA 8081A**		
RunID: GC9_060523A	QC Batch: 28154			PrepDate:	5/22/2006	Analyst: **EES**
4,4´-DDD	ND	2.0		µg/Kg	1	5/23/2006
4,4´-DDE	5.0	2.0		µg/Kg	1	5/23/2006
4,4´-DDT	ND	2.0		µg/Kg	1	5/23/2006
Aldrin	ND	1.0		µg/Kg	1	5/23/2006
alpha-BHC	ND	1.0		µg/Kg	1	5/23/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	5/23/2006
beta-BHC	ND	1.0		µg/Kg	1	5/23/2006
Chlordane	ND	8.5		µg/Kg	1	5/23/2006
delta-BHC	ND	1.0		µg/Kg	1	5/23/2006
Dieldrin	ND	2.0		µg/Kg	1	5/23/2006
Endosulfan I	ND	1.0		µg/Kg	1	5/23/2006
Endosulfan II	ND	2.0		µg/Kg	1	5/23/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	5/23/2006
Endrin	ND	2.0		µg/Kg	1	5/23/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	5/23/2006
Endrin ketone	ND	2.0		µg/Kg	1	5/23/2006
gamma-BHC	ND	1.0		µg/Kg	1	5/23/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	5/23/2006
Heptachlor	ND	1.0		µg/Kg	1	5/23/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	5/23/2006
Methoxychlor	ND	8.5		µg/Kg	1	5/23/2006
Toxaphene	ND	85		µg/Kg	1	5/23/2006
Surr: Decachlorobiphenyl	88.2	59-127		%REC	1	5/23/2006
Surr: Tetrachloro-m-xylene	90.7	60-109		%REC	1	5/23/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *06-Jun-06*

CLIENT: Ninyo & Moore
Lab Order: 084533
Project: Caltrans I-5, 105812001
Lab ID: 084533-008

Client Sample ID: I5SB-HALL-HA312-0.5
Collection Date: 5/18/2006 11:15:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3550B				**EPA 8081A**		
RunID: GC9_060523A	QC Batch: 28154			PrepDate:	5/22/2006	Analyst: **EES**
4,4´-DDD	3.7	2.0		µg/Kg	1	5/23/2006
4,4´-DDE	93	10		µg/Kg	5	5/23/2006
4,4´-DDT	56	2.0		µg/Kg	1	5/23/2006
Aldrin	ND	1.0		µg/Kg	1	5/23/2006
alpha-BHC	ND	1.0		µg/Kg	1	5/23/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	5/23/2006
beta-BHC	ND	1.0		µg/Kg	1	5/23/2006
Chlordane	ND	8.5		µg/Kg	1	5/23/2006
delta-BHC	ND	1.0		µg/Kg	1	5/23/2006
Dieldrin	ND	2.0		µg/Kg	1	5/23/2006
Endosulfan I	ND	1.0		µg/Kg	1	5/23/2006
Endosulfan II	ND	2.0		µg/Kg	1	5/23/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	5/23/2006
Endrin	ND	2.0		µg/Kg	1	5/23/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	5/23/2006
Endrin ketone	ND	2.0		µg/Kg	1	5/23/2006
gamma-BHC	ND	1.0		µg/Kg	1	5/23/2006
gamma-Chlordane	1.4	1.0		µg/Kg	1	5/23/2006
Heptachlor	ND	1.0		µg/Kg	1	5/23/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	5/23/2006
Methoxychlor	ND	8.5		µg/Kg	1	5/23/2006
Toxaphene	270	85		µg/Kg	1	5/23/2006
Surr: Decachlorobiphenyl	89.1	59-127		%REC	1	5/23/2006
Surr: Tetrachloro-m-xylene	89.6	60-109		%REC	1	5/23/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *06-Jun-06*

CLIENT: Ninyo & Moore
Lab Order: 084533
Project: Caltrans I-5, 105812001
Lab ID: 084533-009

Client Sample ID: I5SB-HALL-HA313-0.5
Collection Date: 5/18/2006 11:40:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3550B				**EPA 8081A**		
RunID: GC9_060523A	QC Batch: 28154			PrepDate:	5/22/2006	Analyst: **EES**
4,4´-DDD	51	2.0		µg/Kg	1	5/23/2006
4,4´-DDE	660	20		µg/Kg	10	5/25/2006
4,4´-DDT	93	20		µg/Kg	10	5/25/2006
Aldrin	ND	1.0		µg/Kg	1	5/23/2006
alpha-BHC	ND	1.0		µg/Kg	1	5/23/2006
alpha-Chlordane	4.7	1.0		µg/Kg	1	5/23/2006
beta-BHC	ND	1.0		µg/Kg	1	5/23/2006
Chlordane	ND	8.5		µg/Kg	1	5/23/2006
delta-BHC	ND	1.0		µg/Kg	1	5/23/2006
Dieldrin	21	2.0		µg/Kg	1	5/23/2006
Endosulfan I	ND	1.0		µg/Kg	1	5/23/2006
Endosulfan II	ND	2.0		µg/Kg	1	5/23/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	5/23/2006
Endrin	ND	2.0		µg/Kg	1	5/23/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	5/23/2006
Endrin ketone	ND	2.0		µg/Kg	1	5/23/2006
gamma-BHC	ND	1.0		µg/Kg	1	5/23/2006
gamma-Chlordane	5.8	1.0		µg/Kg	1	5/23/2006
Heptachlor	ND	1.0		µg/Kg	1	5/23/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	5/23/2006
Methoxychlor	ND	8.5		µg/Kg	1	5/23/2006
Toxaphene	270	85		µg/Kg	1	5/23/2006
Surr: Decachlorobiphenyl	101	59-127		%REC	1	5/23/2006
Surr: Tetrachloro-m-xylene	85.6	60-109		%REC	1	5/23/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *06-Jun-06*

CLIENT: Ninyo & Moore
Lab Order: 084533
Project: Caltrans I-5, 105812001
Lab ID: 084533-010

Client Sample ID: I5SB-HALL-HA314-0.5
Collection Date: 5/18/2006 11:50:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3550B				**EPA 8081A**		
RunID: GC9_060523A	QC Batch: 28154			PrepDate:	5/22/2006	Analyst: **EES**
4,4´-DDD	230	40		µg/Kg	20	5/23/2006
4,4´-DDE	690	40		µg/Kg	20	5/23/2006
4,4´-DDT	230	40		µg/Kg	20	5/23/2006
Aldrin	ND	1.0		µg/Kg	1	5/23/2006
alpha-BHC	ND	1.0		µg/Kg	1	5/23/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	5/23/2006
beta-BHC	ND	1.0		µg/Kg	1	5/23/2006
Chlordane	ND	8.5		µg/Kg	1	5/23/2006
delta-BHC	ND	1.0		µg/Kg	1	5/23/2006
Dieldrin	ND	2.0		µg/Kg	1	5/23/2006
Endosulfan I	ND	1.0		µg/Kg	1	5/23/2006
Endosulfan II	ND	2.0		µg/Kg	1	5/23/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	5/23/2006
Endrin	ND	2.0		µg/Kg	1	5/23/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	5/23/2006
Endrin ketone	ND	2.0		µg/Kg	1	5/23/2006
gamma-BHC	ND	1.0		µg/Kg	1	5/23/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	5/23/2006
Heptachlor	ND	1.0		µg/Kg	1	5/23/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	5/23/2006
Methoxychlor	ND	8.5		µg/Kg	1	5/23/2006
Toxaphene	1800	1700		µg/Kg	20	5/23/2006
Surr: Decachlorobiphenyl	85.0	59-127		%REC	1	5/23/2006
Surr: Tetrachloro-m-xylene	84.3	60-109		%REC	1	5/23/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *06-Jun-06*

CLIENT: Ninyo & Moore
Lab Order: 084533
Project: Caltrans I-5, 105812001
Lab ID: 084533-011

Client Sample ID: I5SB-HALL-HA315-0.5
Collection Date: 5/18/2006 12:15:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3550B				**EPA 8081A**		
RunID: GC10_060523A	QC Batch: 28183			PrepDate:	5/23/2006	Analyst: **CPC**
4,4´-DDD	ND	2.0		µg/Kg	1	5/23/2006
4,4´-DDE	270	20		µg/Kg	10	5/24/2006
4,4´-DDT	120	20		µg/Kg	10	5/24/2006
Aldrin	ND	1.0		µg/Kg	1	5/23/2006
alpha-BHC	ND	1.0		µg/Kg	1	5/23/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	5/23/2006
beta-BHC	ND	1.0		µg/Kg	1	5/23/2006
Chlordane	ND	8.5		µg/Kg	1	5/23/2006
delta-BHC	ND	1.0		µg/Kg	1	5/23/2006
Dieldrin	ND	2.0		µg/Kg	1	5/23/2006
Endosulfan I	ND	1.0		µg/Kg	1	5/23/2006
Endosulfan II	ND	2.0		µg/Kg	1	5/23/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	5/23/2006
Endrin	ND	2.0		µg/Kg	1	5/23/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	5/23/2006
Endrin ketone	ND	2.0		µg/Kg	1	5/23/2006
gamma-BHC	ND	1.0		µg/Kg	1	5/23/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	5/23/2006
Heptachlor	ND	1.0		µg/Kg	1	5/23/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	5/23/2006
Methoxychlor	ND	8.5		µg/Kg	1	5/23/2006
Toxaphene	520	85		µg/Kg	1	5/23/2006
Surr: Decachlorobiphenyl	88.5	59-127		%REC	1	5/23/2006
Surr: Tetrachloro-m-xylene	87.9	60-109		%REC	1	5/23/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *06-Jun-06*

CLIENT: Ninyo & Moore
Lab Order: 084533
Project: Caltrans I-5, 105812001
Lab ID: 084533-012

Client Sample ID: I5SB-HALL-HA316-0.5
Collection Date: 5/18/2006 12:30:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3550B				**EPA 8081A**		
RunID: GC10_060523A	QC Batch: 28183			PrepDate:	5/23/2006	Analyst: **CPC**
4,4´-DDD	ND	2.0		µg/Kg	1	5/24/2006
4,4´-DDE	420	40		µg/Kg	20	5/25/2006
4,4´-DDT	730	40		µg/Kg	20	5/25/2006
Aldrin	ND	1.0		µg/Kg	1	5/24/2006
alpha-BHC	ND	1.0		µg/Kg	1	5/24/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	5/24/2006
beta-BHC	ND	1.0		µg/Kg	1	5/24/2006
Chlordane	ND	8.5		µg/Kg	1	5/24/2006
delta-BHC	ND	1.0		µg/Kg	1	5/24/2006
Dieldrin	ND	2.0		µg/Kg	1	5/24/2006
Endosulfan I	ND	1.0		µg/Kg	1	5/24/2006
Endosulfan II	ND	2.0		µg/Kg	1	5/24/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	5/24/2006
Endrin	ND	2.0		µg/Kg	1	5/24/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	5/24/2006
Endrin ketone	ND	2.0		µg/Kg	1	5/24/2006
gamma-BHC	ND	1.0		µg/Kg	1	5/24/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	5/24/2006
Heptachlor	ND	1.0		µg/Kg	1	5/24/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	5/24/2006
Methoxychlor	ND	8.5		µg/Kg	1	5/24/2006
Toxaphene	2500	1700		µg/Kg	20	5/25/2006
Surr: Decachlorobiphenyl	75.7	59-127		%REC	1	5/24/2006
Surr: Tetrachloro-m-xylene	72.7	60-109		%REC	1	5/24/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *06-Jun-06*

CLIENT: Ninyo & Moore
Lab Order: 084533
Project: Caltrans I-5, 105812001
Lab ID: 084533-013

Client Sample ID: I5SB-HALL-HA317-0.5
Collection Date: 5/18/2006 12:40:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3550B				**EPA 8081A**		
RunID: GC10_060523A	QC Batch: 28183			PrepDate:	5/23/2006	Analyst: **CPC**
4,4´-DDD	ND	2.0		µg/Kg	1	5/24/2006
4,4´-DDE	65	2.0		µg/Kg	1	5/24/2006
4,4´-DDT	100	10		µg/Kg	5	5/25/2006
Aldrin	ND	1.0		µg/Kg	1	5/24/2006
alpha-BHC	ND	1.0		µg/Kg	1	5/24/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	5/24/2006
beta-BHC	ND	1.0		µg/Kg	1	5/24/2006
Chlordane	ND	8.5		µg/Kg	1	5/24/2006
delta-BHC	ND	1.0		µg/Kg	1	5/24/2006
Dieldrin	ND	2.0		µg/Kg	1	5/24/2006
Endosulfan I	ND	1.0		µg/Kg	1	5/24/2006
Endosulfan II	ND	2.0		µg/Kg	1	5/24/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	5/24/2006
Endrin	ND	2.0		µg/Kg	1	5/24/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	5/24/2006
Endrin ketone	ND	2.0		µg/Kg	1	5/24/2006
gamma-BHC	ND	1.0		µg/Kg	1	5/24/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	5/24/2006
Heptachlor	ND	1.0		µg/Kg	1	5/24/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	5/24/2006
Methoxychlor	ND	8.5		µg/Kg	1	5/24/2006
Toxaphene	180	85		µg/Kg	1	5/24/2006
Surr: Decachlorobiphenyl	94.9	59-127		%REC	1	5/24/2006
Surr: Tetrachloro-m-xylene	86.6	60-109		%REC	1	5/24/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *06-Jun-06*

CLIENT: Ninyo & Moore
Lab Order: 084533
Project: Caltrans I-5, 105812001
Lab ID: 084533-014

Client Sample ID: I5SB-HALL-HA318-0.5
Collection Date: 5/18/2006 12:55:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3550B				**EPA 8081A**		
RunID: GC10_060523A	QC Batch: 28183			PrepDate:	5/23/2006	Analyst: **CPC**
4,4´-DDD	ND	10		µg/Kg	5	5/24/2006
4,4´-DDE	220	10		µg/Kg	5	5/24/2006
4,4´-DDT	440	20		µg/Kg	10	5/25/2006
Aldrin	ND	5.0		µg/Kg	5	5/24/2006
alpha-BHC	ND	5.0		µg/Kg	5	5/24/2006
alpha-Chlordane	ND	5.0		µg/Kg	5	5/24/2006
beta-BHC	ND	5.0		µg/Kg	5	5/24/2006
Chlordane	ND	42		µg/Kg	5	5/24/2006
delta-BHC	ND	5.0		µg/Kg	5	5/24/2006
Dieldrin	ND	10		µg/Kg	5	5/24/2006
Endosulfan I	ND	5.0		µg/Kg	5	5/24/2006
Endosulfan II	ND	10		µg/Kg	5	5/24/2006
Endosulfan sulfate	ND	10		µg/Kg	5	5/24/2006
Endrin	ND	10		µg/Kg	5	5/24/2006
Endrin aldehyde	ND	10		µg/Kg	5	5/24/2006
Endrin ketone	ND	10		µg/Kg	5	5/24/2006
gamma-BHC	ND	5.0		µg/Kg	5	5/24/2006
gamma-Chlordane	ND	5.0		µg/Kg	5	5/24/2006
Heptachlor	ND	5.0		µg/Kg	5	5/24/2006
Heptachlor epoxide	ND	5.0		µg/Kg	5	5/24/2006
Methoxychlor	ND	42		µg/Kg	5	5/24/2006
Toxaphene	600	420		µg/Kg	5	5/24/2006
Surr: Decachlorobiphenyl	100	59-127		%REC	5	5/24/2006
Surr: Tetrachloro-m-xylene	96.8	60-109		%REC	5	5/24/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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CLIENT: Ninyo & Moore
Work Order: 084533
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **MB-28154** SampType: **MBLK** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **5/22/2006** RunNo: **63655**
Client ID: **PBS** Batch ID: **28154** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **5/23/2006** SeqNo: **941487**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	2.0									
4,4´-DDE	ND	2.0									
4,4´-DDT	ND	2.0									
Aldrin	ND	1.0									
alpha-BHC	ND	1.0									
alpha-Chlordane	ND	1.0									
beta-BHC	ND	1.0									
Chlordane	ND	8.5									
delta-BHC	ND	1.0									
Dieldrin	ND	2.0									
Endosulfan I	ND	1.0									
Endosulfan II	ND	2.0									
Endosulfan sulfate	ND	2.0									
Endrin	ND	2.0									
Endrin aldehyde	ND	2.0									
Endrin ketone	ND	2.0									
gamma-BHC	ND	1.0									
gamma-Chlordane	ND	1.0									
Heptachlor	ND	1.0									
Heptachlor epoxide	ND	1.0									
Methoxychlor	ND	8.5									
Toxaphene	ND	85									
Surr: Tetrachloro-m-xylene	15.646		16.65		94.0	60	109				
Surr: Decachlorobiphenyl	16.024		16.65		96.2	59	127				

Sample ID: **LCS-28154** SampType: **LCS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **5/22/2006** RunNo: **63655**
Client ID: **LCSS** Batch ID: **28154** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **5/23/2006** SeqNo: **941488**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interferenc	DO	Surrogate Diluted Out
	Calculations are based on raw values				

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CLIENT: Ninyo & Moore
Work Order: 084533
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **LCS-28154** SampType: **LCS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **5/22/2006** RunNo: **63655**
Client ID: **LCSS** Batch ID: **28154** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **5/23/2006** SeqNo: **941488**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	15.866	2.0	16.65	0	95.3	75	128				
Aldrin	20.643	1.0	16.65	0	124	80	124				
Dieldrin	19.597	2.0	16.65	0	118	82	121				
Endrin	21.285	2.0	16.65	0	128	79	141				
gamma-BHC	19.077	1.0	16.65	0	115	84	122				
Heptachlor	21.716	1.0	16.65	0	130	74	136				
Surr: Tetrachloro-m-xylene	16.116		16.65		96.8	60	109				
Surr: Decachlorobiphenyl	16.269		16.65		97.7	59	127				

Sample ID: **084533-001AMS** SampType: **MS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **5/22/2006** RunNo: **63655**
Client ID: **I5SB-HALL-HA305-0.** Batch ID: **28154** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **5/23/2006** SeqNo: **941489**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	16.918	2.0	16.65	0	102	64	165				
Aldrin	19.695	1.0	16.65	0	118	68	135				
Dieldrin	18.476	2.0	16.65	0	111	48	165				
Endrin	22.452	2.0	16.65	0	135	60	186				
gamma-BHC	18.591	1.0	16.65	0	112	70	134				
Heptachlor	21.529	1.0	16.65	0	129	73	152				
Surr: Tetrachloro-m-xylene	15.403		16.65		92.5	60	109				
Surr: Decachlorobiphenyl	15.728		16.65		94.5	59	127				

Sample ID: **084533-001AMSD** SampType: **MSD** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **5/22/2006** RunNo: **63655**
Client ID: **I5SB-HALL-HA305-0.** Batch ID: **28154** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **5/23/2006** SeqNo: **941490**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	15.983	2.0	16.65	0	96.0	64	165	16.92	5.68	30	
Aldrin	20.634	1.0	16.65	0	124	68	135	19.69	4.66	30	
Dieldrin	19.464	2.0	16.65	0	117	48	165	18.48	5.21	30	
Endrin	22.062	2.0	16.65	0	133	60	186	22.45	1.75	30	
gamma-BHC	19.077	1.0	16.65	0	115	70	134	18.59	2.58	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 084533
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **084533-001AMSD** SampType: **MSD** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **5/22/2006** RunNo: **63655**
Client ID: **I5SB-HALL-HA305-0.** Batch ID: **28154** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **5/23/2006** SeqNo: **941490**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Heptachlor	22.491	1.0	16.65	0	135	73	152	21.53	4.37	30	
Surr: Tetrachloro-m-xylene	15.452		16.65		92.8	60	109		0	30	
Surr: Decachlorobiphenyl	15.567		16.65		93.5	59	127		0	30	

Sample ID: **084533-007ADUP** SampType: **DUP** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **5/22/2006** RunNo: **63655**
Client ID: **I5SB-HALL-HA311-0.** Batch ID: **28154** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **5/23/2006** SeqNo: **941498**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	0.790	2.0						1.232	0	30	
4,4´-DDE	3.151	2.0						5.020	45.8	30	R
4,4´-DDT	ND	2.0						0	0	30	
Aldrin	ND	1.0						0	0	30	
alpha-BHC	ND	1.0						0	0	30	
alpha-Chlordane	ND	1.0						0	0	30	
beta-BHC	ND	1.0						0	0	30	
Chlordane	ND	8.5						0	0	30	
delta-BHC	ND	1.0						0	0	30	
Dieldrin	ND	2.0						0	0	30	
Endosulfan I	ND	1.0						0	0	30	
Endosulfan II	ND	2.0						0	0	30	
Endosulfan sulfate	ND	2.0						0	0	30	
Endrin	ND	2.0						0	0	30	
Endrin aldehyde	ND	2.0						0	0	30	
Endrin ketone	ND	2.0						0	0	30	
gamma-BHC	ND	1.0						0	0	30	
gamma-Chlordane	ND	1.0						0	0	30	
Heptachlor	ND	1.0						0	0	30	
Heptachlor epoxide	ND	1.0						0	0	30	
Methoxychlor	ND	8.5						0	0	30	
Toxaphene	ND	85						0	0	30	
Surr: Tetrachloro-m-xylene	15.004		16.65		90.1	60	109		0	0	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 084533
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **084533-007ADUP** SampType: **DUP** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **5/22/2006** RunNo: **63655**
Client ID: **I5SB-HALL-HA311-0.** Batch ID: **28154** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **5/23/2006** SeqNo: **941498**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Decachlorobiphenyl	15.273		16.62		91.9	59	127		0	0	

Sample ID: **MB-28154** SampType: **MBLK** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **5/22/2006** RunNo: **63655**
Client ID: **PBS** Batch ID: **28154** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **5/25/2006** SeqNo: **942752**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	2.0									
4,4´-DDE	ND	2.0									
4,4´-DDT	ND	2.0									
Aldrin	ND	1.0									
alpha-BHC	ND	1.0									
alpha-Chlordane	ND	1.0									
beta-BHC	ND	1.0									
Chlordane	ND	8.5									
delta-BHC	ND	1.0									
Dieldrin	ND	2.0									
Endosulfan I	ND	1.0									
Endosulfan II	ND	2.0									
Endosulfan sulfate	ND	2.0									
Endrin	ND	2.0									
Endrin aldehyde	ND	2.0									
Endrin ketone	ND	2.0									
gamma-BHC	ND	1.0									
gamma-Chlordane	ND	1.0									
Heptachlor	ND	1.0									
Heptachlor epoxide	ND	1.0									
Methoxychlor	ND	8.5									
Toxaphene	ND	85									
Surr: Tetrachloro-m-xylene	15.318		16.65		92.0	60	109				
Surr: Decachlorobiphenyl	14.955		16.65		89.8	59	127				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 084533
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **LCS-28154**	SampType: **LCS**	TestCode: **8081_S**	Units: **µg/Kg**	Prep Date: **5/22/2006**	RunNo: **63655**
Client ID: **LCSS**	Batch ID: **28154**	TestNo: **EPA 8081A**	**EPA 3550B**	Analysis Date: **5/25/2006**	SeqNo: **942753**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	13.349	2.0	16.65	0	80.2	75	128				
Aldrin	20.594	1.0	16.65	0	124	80	124				
Dieldrin	17.763	2.0	16.65	0	107	82	121				
Endrin	19.758	2.0	16.65	0	119	79	141				
gamma-BHC	18.524	1.0	16.65	0	111	84	122				
Heptachlor	21.926	1.0	16.65	0	132	74	136				
Surr: Tetrachloro-m-xylene	15.366		16.65		92.3	60	109				
Surr: Decachlorobiphenyl	14.735		16.65		88.5	59	127				

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interferenc	DO	Surrogate Diluted Out
	Calculations are based on raw values				

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CLIENT: Ninyo & Moore
Work Order: 084533
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **MB-28183**	SampType: **MBLK**	TestCode: **8081_S**	Units: **µg/Kg**	Prep Date: **5/23/2006**	RunNo: **63685**
Client ID: **PBS**	Batch ID: **28183**	TestNo: **EPA 8081A**	**EPA 3550B**	Analysis Date: **5/23/2006**	SeqNo: **941937**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	2.0									
4,4´-DDE	ND	2.0									
4,4´-DDT	ND	2.0									
Aldrin	ND	1.0									
alpha-BHC	ND	1.0									
alpha-Chlordane	ND	1.0									
beta-BHC	ND	1.0									
Chlordane	ND	8.5									
delta-BHC	ND	1.0									
Dieldrin	ND	2.0									
Endosulfan I	ND	1.0									
Endosulfan II	ND	2.0									
Endosulfan sulfate	ND	2.0									
Endrin	ND	2.0									
Endrin aldehyde	ND	2.0									
Endrin ketone	ND	2.0									
gamma-BHC	ND	1.0									
gamma-Chlordane	ND	1.0									
Heptachlor	ND	1.0									
Heptachlor epoxide	ND	1.0									
Methoxychlor	ND	8.5									
Toxaphene	ND	85									
Surr: Tetrachloro-m-xylene	14.916		16.65		89.6	60	109				
Surr: Decachlorobiphenyl	14.688		16.65		88.2	59	127				

Sample ID: **LCS-28183**	SampType: **LCS**	TestCode: **8081_S**	Units: **µg/Kg**	Prep Date: **5/23/2006**	RunNo: **63685**
Client ID: **LCSS**	Batch ID: **28183**	TestNo: **EPA 8081A**	**EPA 3550B**	Analysis Date: **5/23/2006**	SeqNo: **941938**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	15.425	2.0	16.65	0	92.6	75	128				
Aldrin	16.597	1.0	16.65	0	99.7	80	124				

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interferenc	DO	Surrogate Diluted Out
	Calculations are based on raw values				

Advanced Technology Laboratories
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CLIENT: Ninyo & Moore
Work Order: 084533
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **LCS-28183** SampType: **LCS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **5/23/2006** RunNo: **63685**
Client ID: **LCSS** Batch ID: **28183** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **5/23/2006** SeqNo: **941938**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dieldrin	15.771	2.0	16.65	0	94.7	82	121				
Endrin	17.374	2.0	16.65	0	104	79	141				
gamma-BHC	16.413	1.0	16.65	0	98.6	84	122				
Heptachlor	19.378	1.0	16.65	0	116	74	136				
Surr: Tetrachloro-m-xylene	14.656		16.65		88.0	60	109				
Surr: Decachlorobiphenyl	14.529		16.65		87.3	59	127				

Sample ID: **084533-011AMS** SampType: **MS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **5/23/2006** RunNo: **63685**
Client ID: **I5SB-HALL-HA315-0.** Batch ID: **28183** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **5/23/2006** SeqNo: **941939**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	65.161	2.0	16.65	137.2	-432	64	165				S
Aldrin	17.380	1.0	16.65	0	104	68	135				
Dieldrin	20.554	2.0	16.65	0	123	48	165				
Endrin	23.937	2.0	16.65	0	144	60	186				
gamma-BHC	16.924	1.0	16.65	0	102	70	134				
Heptachlor	21.026	1.0	16.65	0	126	73	152				
Surr: Tetrachloro-m-xylene	14.912		16.65		89.6	60	109				
Surr: Decachlorobiphenyl	14.746		16.65		88.6	59	127				

Sample ID: **084533-011AMSD** SampType: **MSD** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **5/23/2006** RunNo: **63685**
Client ID: **I5SB-HALL-HA315-0.** Batch ID: **28183** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **5/23/2006** SeqNo: **941940**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	67.472	2.0	16.65	137.2	-419	64	165	65.16	3.48	30	SE
Aldrin	15.818	1.0	16.65	0	95.0	68	135	17.38	9.41	30	
Dieldrin	22.569	2.0	16.65	0	136	48	165	20.55	9.35	30	
Endrin	22.311	2.0	16.65	0	134	60	186	23.94	7.03	30	
gamma-BHC	15.631	1.0	16.65	0	93.9	70	134	16.92	7.94	30	
Heptachlor	19.698	1.0	16.65	0	118	73	152	21.03	6.52	30	
Surr: Tetrachloro-m-xylene	13.506		16.65		81.1	60	109		0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 084533
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **084533-011AMSD** SampType: **MSD** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **5/23/2006** RunNo: **63685**
Client ID: **I5SB-HALL-HA315-0.** Batch ID: **28183** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **5/23/2006** SeqNo: **941940**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Decachlorobiphenyl	13.696		16.65		82.3	59	127		0	30	

Sample ID: **MB-28183** SampType: **MBLK** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **5/23/2006** RunNo: **63685**
Client ID: **PBS** Batch ID: **28183** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **5/24/2006** SeqNo: **942230**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	2.0									
4,4´-DDE	ND	2.0									
4,4´-DDT	ND	2.0									
Aldrin	ND	1.0									
alpha-BHC	ND	1.0									
alpha-Chlordane	ND	1.0									
beta-BHC	ND	1.0									
Chlordane	ND	8.5									
delta-BHC	ND	1.0									
Dieldrin	ND	2.0									
Endosulfan I	ND	1.0									
Endosulfan II	ND	2.0									
Endosulfan sulfate	ND	2.0									
Endrin	ND	2.0									
Endrin aldehyde	ND	2.0									
Endrin ketone	ND	2.0									
gamma-BHC	ND	1.0									
gamma-Chlordane	ND	1.0									
Heptachlor	ND	1.0									
Heptachlor epoxide	ND	1.0									
Methoxychlor	ND	8.5									
Toxaphene	ND	85									
Surr: Tetrachloro-m-xylene	14.811		16.65		89.0	60	109				
Surr: Decachlorobiphenyl	14.231		16.65		85.5	59	127				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 084533
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **LCS-28183** SampType: **LCS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **5/23/2006** RunNo: **63685**
Client ID: **LCSS** Batch ID: **28183** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **5/24/2006** SeqNo: **942231**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	16.840	2.0	16.65	0	101	75	128				
Aldrin	16.772	1.0	16.65	0	101	80	124				
Dieldrin	15.741	2.0	16.65	0	94.5	82	121				
Endrin	18.149	2.0	16.65	0	109	79	141				
gamma-BHC	16.820	1.0	16.65	0	101	84	122				
Heptachlor	21.509	1.0	16.65	0	129	74	136				
Surr: Tetrachloro-m-xylene	15.081		16.65		90.6	60	109				
Surr: Decachlorobiphenyl	14.264		16.65		85.7	59	127				

Sample ID: **084533-013ADUP** SampType: **DUP** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **5/23/2006** RunNo: **63685**
Client ID: **I5SB-HALL-HA317-0.** Batch ID: **28183** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **5/24/2006** SeqNo: **942818**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	2.0						0	0	30	
4,4´-DDE	33.027	2.0						65.07	65.3	30	R
4,4´-DDT	46.998	2.0						95.26	67.8	30	R
Aldrin	ND	1.0						0	0	30	
alpha-BHC	ND	1.0						0	0	30	
alpha-Chlordane	ND	1.0						0	0	30	
beta-BHC	ND	1.0						0	0	30	
Chlordane	ND	8.5						0	0	30	
delta-BHC	ND	1.0						0	0	30	
Dieldrin	ND	2.0						0	0	30	
Endosulfan I	ND	1.0						0	0	30	
Endosulfan II	ND	2.0						0	0	30	
Endosulfan sulfate	ND	2.0						0	0	30	
Endrin	ND	2.0						0	0	30	
Endrin aldehyde	ND	2.0						0	0	30	
Endrin ketone	ND	2.0						0	0	30	
gamma-BHC	ND	1.0						0	0	30	
gamma-Chlordane	ND	1.0						0	0	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 084533
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **084533-013ADUP** SampType: **DUP** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **5/23/2006** RunNo: **63685**
Client ID: **I5SB-HALL-HA317-0.** Batch ID: **28183** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **5/24/2006** SeqNo: **942818**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Heptachlor	ND	1.0						0	0	30	
Heptachlor epoxide	ND	1.0						0	0	30	
Methoxychlor	ND	8.5						0	0	30	
Toxaphene	97.197	85						183.5	61.5	30	R
Surr: Tetrachloro-m-xylene	14.686		16.65		88.2	60	109		0	0	
Surr: Decachlorobiphenyl	14.948		16.62		89.9	59	127		0	0	

Sample ID: **MB-28183** SampType: **MBLK** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **5/23/2006** RunNo: **63685**
Client ID: **PBS** Batch ID: **28183** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **5/25/2006** SeqNo: **942897**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	2.0									
4,4´-DDE	ND	2.0									
4,4´-DDT	ND	2.0									
Aldrin	ND	1.0									
alpha-BHC	ND	1.0									
alpha-Chlordane	ND	1.0									
beta-BHC	ND	1.0									
Chlordane	ND	8.5									
delta-BHC	ND	1.0									
Dieldrin	ND	2.0									
Endosulfan I	ND	1.0									
Endosulfan II	0.853	2.0									
Endosulfan sulfate	ND	2.0									
Endrin	ND	2.0									
Endrin aldehyde	ND	2.0									
Endrin ketone	ND	2.0									
gamma-BHC	ND	1.0									
gamma-Chlordane	ND	1.0									
Heptachlor	ND	1.0									
Heptachlor epoxide	ND	1.0									

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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CLIENT: Ninyo & Moore
Work Order: 084533
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **MB-28183** SampType: **MBLK** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **5/23/2006** RunNo: **63685**
Client ID: **PBS** Batch ID: **28183** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **5/25/2006** SeqNo: **942897**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methoxychlor	ND	8.5									
Toxaphene	ND	85									
Surr: Tetrachloro-m-xylene	14.786		16.65		88.8	60	109				
Surr: Decachlorobiphenyl	15.131		16.65		90.9	59	127				

Sample ID: **LCS-28183** SampType: **LCS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **5/23/2006** RunNo: **63685**
Client ID: **LCSS** Batch ID: **28183** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **5/25/2006** SeqNo: **942898**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	17.715	2.0	16.65	0	106	75	128				
Aldrin	16.675	1.0	16.65	0	100	80	124				
Dieldrin	15.631	2.0	16.65	0	93.9	82	121				
Endrin	17.984	2.0	16.65	0	108	79	141				
gamma-BHC	16.508	1.0	16.65	0	99.1	84	122				
Heptachlor	22.195	1.0	16.65	0	133	74	136				
Surr: Tetrachloro-m-xylene	14.777		16.65		88.8	60	109				
Surr: Decachlorobiphenyl	14.867		16.65		89.3	59	127				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

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D-TEK Analytical Laboratories, Inc.
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ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	**5/31/06**
Sampling Date:	**5/18/06**
Date Sample Received:	**5/23/06**
Date Extracted:	**5/24/06**
Date Analyzed:	**May 28 and 29, 2006**
Analyzed By:	**EA**
Method:	**EPA 8141A**
Sample Type:	**Soil**
Sample Log Number:	**06-3512 to 06-3525**

The sample(s) were analyzed with EPA methodology or equivalent methods as specified on the attached "Analyses Results" report. The symbol for "less than" indicates a value below the reportable detection limit.

The results of these analyses and the quality control data are enclosed.

Ellen Atienza
Operations Manager

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3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	5/31/06
Sampling Date:	5/18/06
Date Sample Received:	5/23/06
Date Extracted:	5/24/06
Date Analyzed:	May 28, 2006
Analyzed By:	EA
Sample Type:	Soil
Method:	EPA 8141A
Units:	µg/kg

ANALYSES RESULTS

Analysis	Detection Limit	Log Number:	06-3512	06-3513
		Sample ID:	084533-001B 15SB-HALL-HA305-0.5	084533-002B 15SB-HALL-HA306-0.5
Azinphos Methyl	5.0		<DL	<DL
Bolstar	5.0		<DL	<DL
Coumaphos	5.0		<DL	<DL
Demeton	5.0		<DL	<DL
Diazinon	5.0		<DL	<DL
Dichlorvos	5.0		<DL	<DL
Disulfoton	5.0		<DL	<DL
Dursban (Chlorpyrifos)	5.0		<DL	<DL
Ethoprop	5.0		<DL	<DL
Fensulfothion	10.0		<DL	<DL
Fenthion	5.0		<DL	<DL
Gardona (Stirophos)	5.0		<DL	<DL
Malathion	5.0		<DL	<DL
Merphos	5.0		<DL	<DL
Methyl Parathion	5.0		<DL	<DL
Mevinphos	5.0		<DL	<DL
Naled	5.0		<DL	<DL
Phorate	5.0		<DL	<DL
Ronnel	5.0		<DL	<DL
Tokuthion	5.0		<DL	<DL
Trichloronate	5.0		<DL	<DL

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Attn: Ms. Rachelle Arada

Date of Report:	5/31/06
Sampling Date:	5/18/06
Date Sample Received:	5/23/06
Date Extracted:	5/24/06
Date Analyzed:	May 28, 2006
Analyzed By:	EA
Sample Type:	Soil
Method:	EPA 8141A
Units:	µg/kg

ANALYSES RESULTS

Analysis	Detection Limit	Log Number:	06-3514	06-3515
		Sample ID:	084533-003B 15SB-HALL-HA307-0.5	084533-004B 15SB-HALL-HA308-0.5
Azinphos Methyl	5.0		<DL	<DL
Bolstar	5.0		<DL	<DL
Coumaphos	5.0		<DL	<DL
Demeton	5.0		<DL	<DL
Diazinon	5.0		<DL	<DL
Dichlorvos	5.0		<DL	<DL
Disulfoton	5.0		<DL	<DL
Dursban (Chlorpyrifos)	5.0		<DL	<DL
Ethoprop	5.0		<DL	<DL
Fensulfothion	10.0		<DL	<DL
Fenthion	5.0		<DL	<DL
Gardona (Stirophos)	5.0		<DL	<DL
Malathion	5.0		<DL	<DL
Merphos	5.0		<DL	<DL
Methyl Parathion	5.0		<DL	<DL
Mevinphos	5.0		<DL	<DL
Naled	5.0		<DL	<DL
Phorate	5.0		<DL	<DL
Ronnel	5.0		<DL	<DL
Tokuthion	5.0		<DL	<DL
Trichloronate	5.0		<DL	<DL

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Attn: Ms. Rachelle Arada

Date of Report:	5/31/06
Sampling Date:	5/18/06
Date Sample Received:	5/23/06
Date Extracted:	5/24/06
Date Analyzed:	May 28, 2006
Analyzed By:	EA
Sample Type:	Soil
Method:	EPA 8141A
Units:	µg/kg

ANALYSES RESULTS

Analysis	Detection Limit	Log Number:	06-3516	06-3517
		Sample ID:	084533-005B 15SB-HALL-HA309-0.5	084533-006B 15SB-HALL-HA310-0.5
Azinphos Methyl	5.0		<DL	<DL
Bolstar	5.0		<DL	<DL
Coumaphos	5.0		<DL	<DL
Demeton	5.0		<DL	<DL
Diazinon	5.0		<DL	<DL
Dichlorvos	5.0		<DL	<DL
Disulfoton	5.0		<DL	<DL
Dursban (Chlorpyrifos)	5.0		<DL	<DL
Ethoprop	5.0		<DL	<DL
Fensulfothion	10.0		<DL	<DL
Fenthion	5.0		<DL	<DL
Gardona (Stirophos)	5.0		<DL	<DL
Malathion	5.0		<DL	<DL
Merphos	5.0		<DL	<DL
Methyl Parathion	5.0		<DL	<DL
Mevinphos	5.0		<DL	<DL
Naled	5.0		<DL	<DL
Phorate	5.0		<DL	<DL
Ronnel	5.0		<DL	<DL
Tokuthion	5.0		<DL	<DL
Trichloronate	5.0		<DL	<DL

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Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	5/31/06
Sampling Date:	5/18/06
Date Sample Received:	5/23/06
Date Extracted:	5/24/06
Date Analyzed:	May 28, 2006
Analyzed By:	EA
Sample Type:	Soil
Method:	EPA 8141A
Units:	µg/kg

ANALYSES RESULTS

Analysis	Detection Limit	Log Number:	06-3518	06-3519
		Sample ID:	084533-007B 15SB-HALL-HA311-0.5	084533-008B 15SB-HALL-HA312-0.5
Azinphos Methyl	5.0		<DL	<DL
Bolstar	5.0		<DL	<DL
Coumaphos	5.0		<DL	<DL
Demeton	5.0		<DL	<DL
Diazinon	5.0		<DL	<DL
Dichlorvos	5.0		<DL	<DL
Disulfoton	5.0		<DL	<DL
Dursban (Chlorpyrifos)	5.0		<DL	<DL
Ethoprop	5.0		<DL	<DL
Fensulfothion	10.0		<DL	<DL
Fenthion	5.0		<DL	<DL
Gardona (Stirophos)	5.0		<DL	<DL
Malathion	5.0		<DL	<DL
Merphos	5.0		<DL	<DL
Methyl Parathion	5.0		<DL	<DL
Mevinphos	5.0		<DL	<DL
Naled	5.0		<DL	<DL
Phorate	5.0		<DL	<DL
Ronnel	5.0		<DL	<DL
Tokuthion	5.0		<DL	<DL
Trichloronate	5.0		<DL	<DL

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ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	5/31/06
Sampling Date:	5/18/06
Date Sample Received:	5/23/06
Date Extracted:	5/24/06
Date Analyzed:	May 29, 2006
Analyzed By:	EA
Sample Type:	Soil
Method:	EPA 8141A
Units:	µg/kg

ANALYSES RESULTS

Analysis	Detection Limit	Log Number:	06-3520	06-3521
		Sample ID:	084533-009B 15SB-HALL-HA313-0.5	084533-010B 15SB-HALL-HA314-0.5
Azinphos Methyl	5.0		<DL	<DL
Bolstar	5.0		<DL	<DL
Coumaphos	5.0		<DL	<DL
Demeton	5.0		<DL	<DL
Diazinon	5.0		<DL	<DL
Dichlorvos	5.0		<DL	<DL
Disulfoton	5.0		<DL	<DL
Dursban (Chlorpyrifos)	5.0		<DL	<DL
Ethoprop	5.0		<DL	<DL
Fensulfothion	10.0		<DL	<DL
Fenthion	5.0		<DL	<DL
Gardona (Stirophos)	5.0		<DL	<DL
Malathion	5.0		<DL	<DL
Merphos	5.0		<DL	<DL
Methyl Parathion	5.0		<DL	<DL
Mevinphos	5.0		<DL	<DL
Naled	5.0		<DL	<DL
Phorate	5.0		<DL	<DL
Ronnel	5.0		<DL	<DL
Tokuthion	5.0		<DL	<DL
Trichloronate	5.0		<DL	<DL

Ellen Atienza
Operations Manager

D-TEK Analytical Laboratories, Inc.
9020 Kenamar Drive, Suite 205
San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	5/31/06
Sampling Date:	5/18/06
Date Sample Received:	5/23/06
Date Extracted:	5/24/06
Date Analyzed:	May 29, 2006
Analyzed By:	EA
Sample Type:	Soil
Method:	EPA 8141A
Units:	µg/kg

ANALYSES RESULTS

Analysis	Detection Limit	Log Number:	06-3522	06-3523
		Sample ID:	084533-011B 15SB-HALL-HA315-0.5	084533-012B 15SB-HALL-HA316-0.5
Azinphos Methyl	5.0		<DL	<DL
Bolstar	5.0		<DL	<DL
Coumaphos	5.0		<DL	<DL
Demeton	5.0		<DL	<DL
Diazinon	5.0		<DL	<DL
Dichlorvos	5.0		<DL	<DL
Disulfoton	5.0		<DL	<DL
Dursban (Chlorpyrifos)	5.0		<DL	<DL
Ethoprop	5.0		<DL	<DL
Fensulfothion	10.0		<DL	<DL
Fenthion	5.0		<DL	<DL
Gardona (Stirophos)	5.0		<DL	<DL
Malathion	5.0		<DL	<DL
Merphos	5.0		<DL	<DL
Methyl Parathion	5.0		<DL	<DL
Mevinphos	5.0		<DL	<DL
Naled	5.0		<DL	<DL
Phorate	5.0		<DL	<DL
Ronnel	5.0		<DL	<DL
Tokuthion	5.0		<DL	<DL
Trichloronate	5.0		<DL	<DL

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ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	5/31/06
Sampling Date:	5/18/06
Date Sample Received:	5/23/06
Date Extracted:	5/24/06
Date Analyzed:	May 29, 2006
Analyzed By:	EA
Sample Type:	Soil
Method:	EPA 8141A
Units:	µg/kg

ANALYSES RESULTS

Analysis	Detection Limit	Log Number:	06-3524	06-3525
		Sample ID:	084533-013B	084533-014B
			15SB-HALL-HA317-0.5	15SB-HALL-HA318-0.5
Azinphos Methyl	5.0		<DL	<DL
Bolstar	5.0		<DL	<DL
Coumaphos	5.0		<DL	<DL
Demeton	5.0		<DL	<DL
Diazinon	5.0		<DL	<DL
Dichlorvos	5.0		<DL	<DL
Disulfoton	5.0		<DL	<DL
Dursban (Chlorpyrifos)	5.0		<DL	<DL
Ethoprop	5.0		<DL	<DL
Fensulfothion	10.0		<DL	<DL
Fenthion	5.0		<DL	<DL
Gardona (Stirophos)	5.0		<DL	<DL
Malathion	5.0		<DL	<DL
Merphos	5.0		<DL	<DL
Methyl Parathion	5.0		<DL	<DL
Mevinphos	5.0		<DL	<DL
Naled	5.0		<DL	<DL
Phorate	5.0		<DL	<DL
Ronnel	5.0		<DL	<DL
Tokuthion	5.0		<DL	<DL
Trichloronate	5.0		<DL	<DL

Ellen Atienza
Operations Manager

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9020 Kenamar Drive, Suite 205
San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

QUALITY CONTROL DATA REPORT

Date:	**5/31/06**
Attn:	**Ms. Rachelle Arada**
Date Extracted:	**5/24/06**
Date Analyzed:	**May 28 and 29, 2006**
Analysis Method:	**EPA 8141A**
Log#:	**06-3512 to 06-3525**

METHOD BLANK

No target analytes were detected in the method blank.

LABORATORY CONTROL SAMPLE

Compound	% Recovery	QC Limits:*
Diazinon	90	40-130
Methyl Parathion	91	40-130
Dursban (Chlorpyrifos)	83	40-130
Gardona(Stirophos)	72	40-130

Matrix Spike (06-3528)

Compound	Spike % Recovery	Spike Dup. % Recovery	MS/MSD RPD %	RPD Limits
Diazinon	118	120	2	30
Methyl Parathion	112	116	4	30
Dursban (Chlorpyrifos)	111	118	6	30
Gardona (Stirophos)	86	88	2	30

*QC limits applies to LCS, MS and MSD

QUALITY CONTROL TERMINOLOGY

- **LCS - LABORATORY CONTROL SAMPLE.** Reported as % recovery of an independent standard carried through all sample preparation procedures to verify method performance. Acceptable range is based on historical laboratory control data and EPA requirements. Any out-of-control QC data is clearly indicated.
- **Spike-** environmental sample is matrix spiked with method compounds and % recovery of concentration spiked into sample is calculated. Reported as % recovery. Acceptable range for "Normal Matrix Sample" is based on historical laboratory control data. Any out-of-control QC data is clearly indicated.
- **Surrogates-** Compounds representative of a group of compounds. Surrogates are spiked into environmental samples and % recovery of concentration spiked is calculated and reported. Acceptable range varies depending on sample matrix and analysis method. Any out-of-control QC data is clearly indicated.

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SURROGATE RECOVERIES
(Tributylphosphate)

Log #	Percent Recovery:
Method Blank	102
06-3512	91
06-3513	96
06-3514	96
06-3515	96
06-3516	78
06-3517	102
06-3518	99
06-3519	116
06-3520	120
06-3521	112
06-3522	111
06-3523	101
06-3524	111
LCS	128
06-3528 MS	90
06-3528 MSD	90

QC Limits: 50 to 170%

Ellen Atienza
Operations Manager

QUALITY CONTROL TERMINOLOGY

- **LCS - LABORATORY CONTROL SAMPLE.** Reported as % recovery of an independent standard carried through all sample preparation procedures to verify method performance. Acceptable range is based on historical laboratory control data and EPA requirements. Any out-of-control QC data is clearly indicated.
- **Spike**- environmental sample is matrix spiked with method compounds and % recovery of concentration spiked into sample is calculated. Reported as % recovery. Acceptable range for "Normal Matrix Sample" is based on historical laboratory control data. Any out-of-control QC data is clearly indicated.
- **Surrogates**- Compounds representative of a group of compounds. Surrogates are spiked into environmental samples and % recovery of concentration spiked is calculated and reported. Acceptable range varies depending on sample matrix and analysis method. Any out-of-control QC data is clearly indicated.

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755-5225
TEL: *5629894045* FAX: *5629894040*

CHAIN-OF-CUSTODY RECORD

QC Level: CT

Subcontractor:
D-Tek
9020 Kenamar Drive, Suite 205
San Diego, CA 92121

TEL: (858) 566-4540
FAX: (858) 566-4542
Acct #:

22-May-06

	Sample ID	Matrix	Date Collected	Bottle Type	EPA 8141A	Requested Tests
084533-001B	/ I5SB-HALL-HA305-0.5	Soil	5/18/2006 9:35:00 AM	4OZG	1	06-3512
084533-002B	/ I5SB-HALL-HA306-0.5	Soil	5/18/2006 10:00:00 AM	4OZG	1	06-3513
084533-003B	/ I5SB-HALL-HA307-0.5	Soil	5/18/2006 10:10:00 AM	4OZG	1	06-3514
084533-004B	/ I5SB-HALL-HA308-0.5	Soil	5/18/2006 10:25:00 AM	4OZG	1	06-3515
084533-005B	/ I5SB-HALL-HA309-0.5	Soil	5/18/2006 10:35:00 AM	4OZG	1	06-3516
084533-006B	/ I5SB-HALL-HA310-0.5	Soil	5/18/2006 10:40:00 AM	4OZG	1	06-3517
084533-007B	/ I5SB-HALL-HA311-0.5	Soil	5/18/2006 10:55:00 AM	4OZG	1	06-3518
084533-008B	/ I5SB-HALL-HA312-0.5	Soil	5/18/2006 11:15:00 AM	4OZG	1	06-3519
084533-009B	/ I5SB-HALL-HA313-0.5	Soil	5/18/2006 11:40:00 AM	4OZG	1	06-3520
084533-010B	/ I5SB-HALL-HA314-0.5	Soil	5/18/2006 11:50:00 AM	4OZG	1	06-3521
084533-011B	/ I5SB-HALL-HA315-0.5	Soil	5/18/2006 12:15:00 PM	4OZG	1	06-3522
084533-012B	/ I5SB-HALL-HA316-0.5	Soil	5/18/2006 12:30:00 PM	4OZG	1	06-3523
084533-013B	/ I5SB-HALL-HA317-0.5	Soil	5/18/2006 12:40:00 PM	4OZG	1	06-3524
084533-014B	/ I5SB-HALL-HA318-0.5	Soil	5/18/2006 12:55:00 PM	4OZG	1	06-3525

General Comments: Please use PO#: SC00667 Please fax results by: NORMAL TAT
SEND REPORT TO RACHELLE ARADA

	Date/Time		Date/Time
Relinquished by:		Received by:	5-22-06 4:00P
Relinquished by:	5-23-06 11:05AM	Received by:	5/23/06 1105

Advanced Technology Labs	Project:	NA	
3275 Walnut Avenue	Project Number:	PO# SC00668	**Reported:**
Signal Hill CA, 90755	Project Manager:	Rachelle Arada	06/06/06 09:08

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
084533-001C / 15SB-HALL-HA305-0.5	0605432-01	Soil	05/18/06 09:35	05/23/06 13:00
084533-002C / 15SB-HALL-HA306-0.5	0605432-02	Soil	05/18/06 10:00	05/23/06 13:00
084533-003C / 15SB-HALL-HA307-0.5	0605432-03	Soil	05/18/06 10:10	05/23/06 13:00
084533-004C / 15SB-HALL-HA308-0.5	0605432-04	Soil	05/18/06 10:25	05/23/06 13:00
084533-005C / 15SB-HALL-HA309-0.5	0605432-05	Soil	05/18/06 10:35	05/23/06 13:00
084533-006C / 15SB-HALL-HA310-0.5	0605432-06	Soil	05/18/06 10:40	05/23/06 13:00
084533-007C / 15SB-HALL-HA311-0.5	0605432-07	Soil	05/18/06 10:55	05/23/06 13:00
084533-008C / 15SB-HALL-HA312-0.5	0605432-08	Soil	05/18/06 11:15	05/23/06 13:00
084533-009C / 15SB-HALL-HA313-0.5	0605432-09	Soil	05/18/06 11:40	05/23/06 13:00
084533-010C / 15SB-HALL-HA314-0.5	0605432-10	Soil	05/18/06 11:50	05/23/06 13:00
084533-011C / 15SB-HALL-HA315-0.5	0605432-11	Soil	05/18/06 12:15	05/23/06 13:00
084533-012C / 15SB-HALL-HA316-0.5	0605432-12	Soil	05/18/06 12:30	05/23/06 13:00
084533-013C / 15SB-HALL-HA317-0.5	0605432-13	Soil	05/18/06 12:40	05/23/06 13:00
084533-014C / 15SB-HALL-HA318-0.5	0605432-14	Soil	05/18/06 12:55	05/23/06 13:00

CASE NARRATIVE

SAMPLE RECEIPT:	Samples were received intact, at 4 °C, and accompanied by chain of custody documentation.
PRESERVATION:	Samples requiring preservation were verified prior to sample preparation and analysis.
HOLDING TIMES:	All holding times were met, unless otherwise noted in the report with data qualifiers.
QA/QC CRITERIA:	All quality objective criteria were met, except as noted in the report with data qualifiers.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653
TELEPHONE: (949) 348-9389 FAX: (949) 348-9115
E-MAIL: SIERRALABS @ SIERRALABS.NET

Advanced Technology Labs	Project: NA	
3275 Walnut Avenue	Project Number: PO# SC00668	**Reported:**
Signal Hill CA, 90755	Project Manager: Rachelle Arada	06/06/06 09:08

Chlorinated Herbicides by EPA Method 8151A

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
084533-001C / 15SB-HALL-HA305-0.5 (0605432-01) Soil Sampled: 05/18/06 09:35 Received: 05/23/06 13:00									
2,4,5-T	ND	1.6	µg/kg	1	B6F0216	06/01/06	06/02/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*59.9 %*	*35-150*		"	"	"	"	
084533-002C / 15SB-HALL-HA306-0.5 (0605432-02) Soil Sampled: 05/18/06 10:00 Received: 05/23/06 13:00									
2,4,5-T	ND	1.6	µg/kg	1	B6F0216	06/01/06	06/02/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*58.6 %*	*35-150*		"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Labs	Project: NA	
3275 Walnut Avenue	Project Number: PO# SC00668	**Reported:**
Signal Hill CA, 90755	Project Manager: Rachelle Arada	06/06/06 09:08

Chlorinated Herbicides by EPA Method 8151A

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
084533-003C / 15SB-HALL-HA307-0.5 (0605432-03) Soil Sampled: 05/18/06 10:10 Received: 05/23/06 13:00									
2,4,5-T	ND	1.6	µg/kg	1	B6F0216	06/01/06	06/02/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*51.2 %*	*35-150*		"	"	"	"	
084533-004C / 15SB-HALL-HA308-0.5 (0605432-04) Soil Sampled: 05/18/06 10:25 Received: 05/23/06 13:00									
2,4,5-T	ND	1.6	µg/kg	1	B6F0216	06/01/06	06/02/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*55.5 %*	*35-150*		"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Labs	Project: NA	
3275 Walnut Avenue	Project Number: PO# SC00668	**Reported:**
Signal Hill CA, 90755	Project Manager: Rachelle Arada	06/06/06 09:08

Chlorinated Herbicides by EPA Method 8151A

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
084533-005C / 15SB-HALL-HA309-0.5 (0605432-05) Soil Sampled: 05/18/06 10:35 Received: 05/23/06 13:00									
2,4,5-T	ND	1.6	µg/kg	1	B6F0216	06/01/06	06/02/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*59.3 %*	*35-150*		"	"	"	"	
084533-006C / 15SB-HALL-HA310-0.5 (0605432-06) Soil Sampled: 05/18/06 10:40 Received: 05/23/06 13:00									
2,4,5-T	ND	1.6	µg/kg	1	B6F0216	06/01/06	06/02/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*59.3 %*	*35-150*		"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Labs	Project: NA	
3275 Walnut Avenue	Project Number: PO# SC00668	**Reported:**
Signal Hill CA, 90755	Project Manager: Rachelle Arada	06/06/06 09:08

Chlorinated Herbicides by EPA Method 8151A

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
084533-007C / 15SB-HALL-HA311-0.5 (0605432-07) Soil Sampled: 05/18/06 10:55 Received: 05/23/06 13:00									
2,4,5-T	ND	1.6	µg/kg	1	B6F0216	06/01/06	06/02/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	06/02/06	"	
2,4-DB	ND	4.0	"	"	"	"	06/02/06	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	06/02/06	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	06/02/06	"	
Dalapon	ND	20	"	"	"	"	06/02/06	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	06/02/06	"	
Dichlorprop	ND	1.6	"	"	"	"	06/02/06	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	06/02/06	"	
Picloram	ND	1.6	"	"	"	"	06/02/06	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*48.5 %*	*35-150*		*"*	*"*	*06/02/06*	*"*	
084533-008C / 15SB-HALL-HA312-0.5 (0605432-08) Soil Sampled: 05/18/06 11:15 Received: 05/23/06 13:00									
2,4,5-T	ND	1.6	µg/kg	1	B6F0216	06/01/06	06/02/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*52.1 %*	*35-150*		*"*	*"*	*"*	*"*	

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Advanced Technology Labs	Project: NA	
3275 Walnut Avenue	Project Number: PO# SC00668	**Reported:**
Signal Hill CA, 90755	Project Manager: Rachelle Arada	06/06/06 09:08

Chlorinated Herbicides by EPA Method 8151A

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
084533-009C / 15SB-HALL-HA313-0.5 (0605432-09) Soil Sampled: 05/18/06 11:40 Received: 05/23/06 13:00									
2,4,5-T	ND	1.6	µg/kg	1	B6F0216	06/01/06	06/02/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*65.2 %*	*35-150*		"	"	"	"	
084533-010C / 15SB-HALL-HA314-0.5 (0605432-10) Soil Sampled: 05/18/06 11:50 Received: 05/23/06 13:00									
2,4,5-T	ND	1.6	µg/kg	1	B6F0216	06/01/06	06/02/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*45.9 %*	*35-150*		"	"	"	"	

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Advanced Technology Labs	Project: NA	
3275 Walnut Avenue	Project Number: PO# SC00668	**Reported:**
Signal Hill CA, 90755	Project Manager: Rachelle Arada	06/06/06 09:08

Chlorinated Herbicides by EPA Method 8151A

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
084533-011C / 15SB-HALL-HA315-0.5 (0605432-11) Soil Sampled: 05/18/06 12:15 Received: 05/23/06 13:00									
2,4,5-T	ND	1.6	µg/kg	1	B6F0216	06/01/06	06/02/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*90.2 %*	*35-150*		"	"	"	"	
084533-012C / 15SB-HALL-HA316-0.5 (0605432-12) Soil Sampled: 05/18/06 12:30 Received: 05/23/06 13:00									
2,4,5-T	ND	1.6	µg/kg	1	B6F0216	06/01/06	06/02/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*81.3 %*	*35-150*		"	"	"	"	

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Advanced Technology Labs	Project: NA	
3275 Walnut Avenue	Project Number: PO# SC00668	**Reported:**
Signal Hill CA, 90755	Project Manager: Rachelle Arada	06/06/06 09:08

Chlorinated Herbicides by EPA Method 8151A

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
084533-013C / 15SB-HALL-HA317-0.5 (0605432-13) Soil Sampled: 05/18/06 12:40 Received: 05/23/06 13:00									
2,4,5-T	ND	1.6	µg/kg	1	B6F0216	06/01/06	06/02/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*65.4 %*	*35-150*		"	"	"	"	
084533-014C / 15SB-HALL-HA318-0.5 (0605432-14) Soil Sampled: 05/18/06 12:55 Received: 05/23/06 13:00									
2,4,5-T	ND	1.6	µg/kg	1	B6F0216	06/01/06	06/02/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*54.3 %*	*35-150*		"	"	"	"	

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Advanced Technology Labs	Project:	NA	
3275 Walnut Avenue	Project Number:	PO# SC00668	**Reported:**
Signal Hill CA, 90755	Project Manager:	Rachelle Arada	06/06/06 09:08

Chlorinated Herbicides by EPA Method 8151A - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6F0216 - EPA 3550B Solid Ext										
Blank (B6F0216-BLK1)				Prepared & Analyzed: 06/01/06						
2,4,5-T	ND	1.6	µg/kg							
2,4,5-TP (Silvex)	ND	1.6	"							
2,4-D	ND	1.6	"							
2,4-DB	ND	4.0	"							
3,5-Dichlorobenzoic acid	ND	2.0	"							
4-Nitrophenol	ND	2.0	"							
Acifluorfen	ND	1.6	"							
Bentazon	ND	1.6	"							
Chloramben	ND	1.6	"							
Dalapon	ND	20	"							
DCPA diacid	ND	1.6	"							
Dicamba	ND	1.6	"							
Dichlorprop	ND	1.6	"							
Dinoseb	ND	1.6	"							
Pentachlorophenol	ND	1.6	"							
Picloram	ND	1.6	"							
Surrogate: 2,4-Dichlorophenylacetic Acid	*63.9*		*"*	*100*		*63.9*	*35-150*			
LCS (B6F0216-BS1)				Prepared & Analyzed: 06/01/06						
2,4,5-T	10.8	1.6	µg/kg	10.0		108	20-150			
2,4,5-TP (Silvex)	13.3	1.6	"	10.0		133	20-150			
Dichlorprop	12.1	1.6	"	10.0		121	20-150			
Dinoseb	14.7	1.6	"	10.0		147	20-150			
LCS (B6F0216-BS2)				Prepared & Analyzed: 06/01/06						
2,4,5-T	11.3	1.6	µg/kg	10.0		113	20-150			
2,4,5-TP (Silvex)	14.9	1.6	"	10.0		149	20-150			
Dichlorprop	13.7	1.6	"	10.0		137	20-150			
Dinoseb	17.1	1.6	"	10.0		171	20-150			QM-07

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Labs	Project: NA	
3275 Walnut Avenue	Project Number: PO# SC00668	**Reported:**
Signal Hill CA, 90755	Project Manager: Rachelle Arada	06/06/06 09:08

Chlorinated Herbicides by EPA Method 8151A - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6F0216 - EPA 3550B Solid Ext										
LCS Dup (B6F0216-BSD1)				Prepared: 06/01/06 Analyzed: 06/02/06						
2,4,5-T	11.6	1.6	µg/kg	10.0		116	20-150	7.14	30	
2,4,5-TP (Silvex)	14.5	1.6	"	10.0		145	20-150	8.63	30	
Dichlorprop	13.3	1.6	"	10.0		133	20-150	9.45	30	
Dinoseb	17.1	1.6	"	10.0		171	20-150	15.1	30	QM-07

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755-5225
TEL: *5629894045* FAX: *5629894040*

CHAIN-OF-CUSTODY RECORD

QC Level: CT

Subcontractor:

Sierra Laboratories
26052 Merit Circle Suite 105
Laguna Hills, CA 92653

TEL: (949) 348-9389
FAX: (949) 348-9115
Acct #:

19-May-06

	Sample ID	Matrix	Date Collected	Bottle Type	EPA 8151	Requested Tests			
084533-001C	/ I5SB-HALL-HA305-0.5	Soil	5/18/2006 9:35:00 AM	4OZG	1				
084533-002C	/ I5SB-HALL-HA306-0.5	Soil	5/18/2006 10:00:00 AM	4OZG	1				
084533-003C	/ I5SB-HALL-HA307-0.5	Soil	5/18/2006 10:10:00 AM	4OZG	1				
084533-004C	/ I5SB-HALL-HA308-0.5	Soil	5/18/2006 10:25:00 AM	4OZG	1				
084533-005C	/ I5SB-HALL-HA309-0.5	Soil	5/18/2006 10:35:00 AM	4OZG	1				
084533-006C	/ I5SB-HALL-HA310-0.5	Soil	5/18/2006 10:40:00 AM	4OZG	1				
084533-007C	/ I5SB-HALL-HA311-0.5	Soil	5/18/2006 10:55:00 AM	4OZG	1				
084533-008C	/ I5SB-HALL-HA312-0.5	Soil	5/18/2006 11:15:00 AM	4OZG	1				
084533-009C	/ I5SB-HALL-HA313-0.5	Soil	5/18/2006 11:40:00 AM	4OZG	1				
084533-010C	/ I5SB-HALL-HA314-0.5	Soil	5/18/2006 11:50:00 AM	4OZG	1				
084533-011C	/ I5SB-HALL-HA315-0.5	Soil	5/18/2006 12:15:00 PM	4OZG	1				
084533-012C	/ I5SB-HALL-HA316-0.5	Soil	5/18/2006 12:30:00 PM	4OZG	1				
084533-013C	/ I5SB-HALL-HA317-0.5	Soil	5/18/2006 12:40:00 PM	4OZG	1				
084533-014C	/ I5SB-HALL-HA318-0.5	Soil	5/18/2006 12:55:00 PM	4OZG	1				

General Comments: Please use PO#: SC00668 Please fax results by: ~~DUE 5/24/06~~ Normal TAT w fax

SEND REPORT TO RACHELLE ARADA

	Date/Time		Date/Time
Relinquished by:	5/19/06 1700	**Received by:**	
Relinquished by:		**Received by:**	

5-18-06. Thursday HALL

CHAIN OF CUSTODY RECORD

Pg 1 of 2

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: Date: 5/19/06

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other:

Sample Condition Upon Receipt: 1. CHILLED Y☐ N☐ 2. HEADSPACE (VOA) Y☐ N☐ 3. CONTAINER INTACT Y☐ N☐ 4. SEALED Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: Ninyo & Moore
Attn: Scott Snyder
Address:
City State Zip Code
TEL: ( )
FAX: ( )

Project Name: CAltrans I-5 Project #: 10581200 Sampler: (Printed Name) MATT ROE (Signature) Matt Roe

Relinquished by: (Signature and Printed Name) Date: 5/19/06 Time: 1312 Received by: (Signature and Printed Name) Date: 5/19/06 Time: 1312
Relinquished by: (Signature and Printed Name) Date: 5/19/06 Time: 1700 Received by: (Signature and Printed Name) Date: 5/19/06 Time: 1700
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: MATT ROE 5/18/06
Print Name Date
Signature: Matt Roe

Send Report To: Attn: Co: Address City State Zip

Bill To: Attn: Co: Address City State Zip

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested

SPECIFY APPROPRIATE MATRIX

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	8141 - Pest	8151 - Herb	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	084533-01	ISSB-HALL-HA305-0.5	5/18/06	9:35	X								X	X		X					2	J G	C	
	-02	ISSB-HALL-HA306-0.5	"	10:00	X								X	X		X								
	-03	ISSB-HALL-HA307-0.5	"	10:10	X								X	X		X								
	-04	ISSB-HALL-HA308-0.5	"	10:25	X								X	X		X								
	-05	ISSB-HALL-HA309-0.5	"	10:35	X								X	X		X								
	-06	ISSB-HALL-HA310-0.5	"	10:40	X								X	X		X								
	-07	ISSB-HALL-HA311-0.5	"	10:55	X								X	X		X								
	-08	ISSB-HALL-HA312-0.5	"	11:15	X								X	X		X								
	-09	ISSB-HALL-HA313-0.5	"	11:40	X								X	X		X								
	-010	ISSB-HALL-HA314-0.5	"	11:50	X								X	X		X								

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

5-18-06 Thursday - HALL

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: f Date: 5/19/06

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other:

Sample Condition Upon Receipt: 1. CHILLED Y☐ N☐ 2. HEADSPACE (VOA) Y☐ N☐ 3. CONTAINER INTACT Y☐ N☐ 4. SEALED Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: Ninyo & Moore
Attn: Scott Snyder
Address: 5710 Ruffin Rd
City: SD State: CA Zip Code: 92123
TEL: (858) 576-1000
FAX: (858) 576-9600

Project Name: Caltrans I-5 Project #: 105812001 Sampler: (Printed Name) MATT ROE (Signature) Matt Roe

Relinquished by: (Signature and Printed Name) Matt Roe Date: 5/19/06 Time: 1312 Received by: (Signature and Printed Name) Date: 5/19/06 Time: 1312
Relinquished by: (Signature and Printed Name) Date: 5/19/06 Time: 1700 Received by: (Signature and Printed Name) Date: 5/19/06 Time: 1700
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: MATT ROE 5/18/06 (Print Name, Date) Matt Roe (Signature)

Send Report To: Attn: Scott Snyder Co: Ninyo & Moore Address: 5710 Ruffin Rd City: SD State: CA Zip: 92123

Bill To: Attn: See info Co: Address: City: State: Zip:

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested; SPECIFY APPROPRIATE MATRIX

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description 5/18 / Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	8141 - Pest	8151 - Herb	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Type	PRESERVATION	REMARKS
	084533 -011	ISSB-HALL-HA315-0.5	5/18/06	12:15	X								X	X		X					2	J	6	C
	-012	ISSB-HALL-HA316-0.5	5/18	12:30	X								X	X		X					2	J	6	↓
	-013	ISSB-HALL-HA317-0.5	5/18	12:40	X								X	X		X					2	J	6	↓
	-014	ISSB-HALL-HA318-0.5	5/18	12:55	X								X	X		X					2	J	C	↓
		~~ISSB-HALL-HA~~																						
	-015	Equip-HA-051706	5/17	12:00	X								X	X			X				1	P	P	N
	-016	Equip-HA-051806	5/18	12:55	X								X	X			X				1	P	P	N

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

Rachelle Arada

From: Scott Snyder [ssnyder@ninyoandmoore.com]
Sent: Monday, May 22, 2006 9:29 AM
To: Rachelle Arada
Subject: Equipment blank

Rachelle,

I understand you do not have the correct sample for the equipment blank for pesticides and herbicides. So please cancel our request for the equipment blank on this one.

Thanks,
Scott

Scott Snyder, PG, HG
Senior Hydrogeologist
Ninyo & Moore
5710 Ruffin Road
San Diego, California 92122
858.576.1000 x1255

June 07, 2006

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 084684

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

RE: Caltrans I-5, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on May 25, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories

Date: *07-Jun-06*

CLIENT: Ninyo & Moore
Project: Caltrans I-5, 105812001
Lab Order: 084684
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
084684-001A	I5SB-HALL-HA319 0.5	Soil	5/23/2006	5/25/2006	6/7/2006
084684-001B	I5SB-HALL-HA319 0.5	Soil	5/23/2006	5/25/2006	6/7/2006
084684-001C	I5SB-HALL-HA319 0.5	Soil	5/23/2006	5/25/2006	6/7/2006
084684-002A	I5SB-HALL-HA320-0.5	Soil	5/23/2006	5/25/2006	6/7/2006
084684-002B	I5SB-HALL-HA320-0.5	Soil	5/23/2006	5/25/2006	6/7/2006
084684-002C	I5SB-HALL-HA320-0.5	Soil	5/23/2006	5/25/2006	6/7/2006
084684-003A	Equip-HA-052306	Water	5/23/2006	5/25/2006	6/7/2006

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CASE NARRATIVE

The samples for EPA 8141 analysis were subcontracted to D-tek Analytical Laboratories, Inc. with ELAP Cert. 2344.

The samples for EPA 8151 analysis were subcontracted to Sierra Analytical Laboratories, Inc. with ELAP Cert. 2320.

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *07-Jun-06*

CLIENT: Ninyo & Moore
Lab Order: 084684
Project: Caltrans I-5, 105812001
Lab ID: 084684-001

Client Sample ID: I5SB-HALL-HA319 0.5
Collection Date: 5/23/2006 12:15:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3550B				**EPA 8081A**		
RunID: GC10_060530A	QC Batch: 28270				PrepDate: 5/26/2006	Analyst: **CPC**
4,4´-DDD	ND	2.0		µg/Kg	1	5/30/2006
4,4´-DDE	ND	2.0		µg/Kg	1	5/30/2006
4,4´-DDT	ND	2.0		µg/Kg	1	5/30/2006
Aldrin	ND	1.0		µg/Kg	1	5/30/2006
alpha-BHC	ND	1.0		µg/Kg	1	5/30/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	5/30/2006
beta-BHC	ND	1.0		µg/Kg	1	5/30/2006
Chlordane	ND	8.5		µg/Kg	1	5/30/2006
delta-BHC	ND	1.0		µg/Kg	1	5/30/2006
Dieldrin	ND	2.0		µg/Kg	1	5/30/2006
Endosulfan I	ND	1.0		µg/Kg	1	5/30/2006
Endosulfan II	ND	2.0		µg/Kg	1	5/30/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	5/30/2006
Endrin	ND	2.0		µg/Kg	1	5/30/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	5/30/2006
Endrin ketone	ND	2.0		µg/Kg	1	5/30/2006
gamma-BHC	ND	1.0		µg/Kg	1	5/30/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	5/30/2006
Heptachlor	ND	1.0		µg/Kg	1	5/30/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	5/30/2006
Methoxychlor	ND	8.5		µg/Kg	1	5/30/2006
Toxaphene	ND	85		µg/Kg	1	5/30/2006
Surr: Decachlorobiphenyl	89.3	59-127		%REC	1	5/30/2006
Surr: Tetrachloro-m-xylene	86.6	60-109		%REC	1	5/30/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *07-Jun-06*

CLIENT: Ninyo & Moore
Lab Order: 084684
Project: Caltrans I-5, 105812001
Lab ID: 084684-002

Client Sample ID: I5SB-HALL-HA320-0.5
Collection Date: 5/23/2006 12:25:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3550B				**EPA 8081A**		
RunID: GC10_060530A	QC Batch: 28270				PrepDate: 5/26/2006	Analyst: **CPC**
4,4´-DDD	ND	2.0		µg/Kg	1	5/30/2006
4,4´-DDE	140	10		µg/Kg	5	5/31/2006
4,4´-DDT	80	10		µg/Kg	5	5/31/2006
Aldrin	ND	1.0		µg/Kg	1	5/30/2006
alpha-BHC	ND	1.0		µg/Kg	1	5/30/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	5/30/2006
beta-BHC	ND	1.0		µg/Kg	1	5/30/2006
Chlordane	ND	8.5		µg/Kg	1	5/30/2006
delta-BHC	ND	1.0		µg/Kg	1	5/30/2006
Dieldrin	ND	2.0		µg/Kg	1	5/30/2006
Endosulfan I	ND	1.0		µg/Kg	1	5/30/2006
Endosulfan II	ND	2.0		µg/Kg	1	5/30/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	5/30/2006
Endrin	ND	2.0		µg/Kg	1	5/30/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	5/30/2006
Endrin ketone	ND	2.0		µg/Kg	1	5/30/2006
gamma-BHC	ND	1.0		µg/Kg	1	5/30/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	5/30/2006
Heptachlor	ND	1.0		µg/Kg	1	5/30/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	5/30/2006
Methoxychlor	ND	8.5		µg/Kg	1	5/30/2006
Toxaphene	430	85		µg/Kg	1	5/30/2006
Surr: Decachlorobiphenyl	89.1	59-127		%REC	1	5/30/2006
Surr: Tetrachloro-m-xylene	86.5	60-109		%REC	1	5/30/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 084684
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **MB-28270** SampType: **MBLK** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **5/26/2006** RunNo: **63896**
Client ID: **PBS** Batch ID: **28270** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **5/30/2006** SeqNo: **945482**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	2.0									
4,4´-DDE	ND	2.0									
4,4´-DDT	ND	2.0									
Aldrin	ND	1.0									
alpha-BHC	ND	1.0									
alpha-Chlordane	ND	1.0									
beta-BHC	ND	1.0									
Chlordane	ND	8.5									
delta-BHC	ND	1.0									
Dieldrin	ND	2.0									
Endosulfan I	ND	1.0									
Endosulfan II	ND	2.0									
Endosulfan sulfate	ND	2.0									
Endrin	ND	2.0									
Endrin aldehyde	ND	2.0									
Endrin ketone	ND	2.0									
gamma-BHC	ND	1.0									
gamma-Chlordane	ND	1.0									
Heptachlor	ND	1.0									
Heptachlor epoxide	ND	1.0									
Methoxychlor	ND	8.5									
Toxaphene	ND	85									
Surr: Tetrachloro-m-xylene	14.220		16.65		85.4	60	109				
Surr: Decachlorobiphenyl	15.030		16.65		90.3	59	127				

Sample ID: **LCS-28270** SampType: **LCS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **5/26/2006** RunNo: **63896**
Client ID: **LCSS** Batch ID: **28270** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **5/30/2006** SeqNo: **945483**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interferenc	DO	Surrogate Diluted Out
	Calculations are based on raw values				

Advanced Technology Laboratories
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CLIENT: Ninyo & Moore
Work Order: 084684
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **LCS-28270** SampType: **LCS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **5/26/2006** RunNo: **63896**
Client ID: **LCSS** Batch ID: **28270** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **5/30/2006** SeqNo: **945483**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	18.172	2.0	16.65	0	109	75	128				
Aldrin	16.479	1.0	16.65	0	99.0	80	124				
Dieldrin	16.304	2.0	16.65	0	97.9	82	121				
Endrin	19.155	2.0	16.65	0	115	79	141				
gamma-BHC	16.291	1.0	16.65	0	97.8	84	122				
Heptachlor	19.631	1.0	16.65	0	118	74	136				
Surr: Tetrachloro-m-xylene	14.348		16.65		86.2	60	109				
Surr: Decachlorobiphenyl	14.946		16.65		89.8	59	127				

Sample ID: **084620-004AMS** SampType: **MS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **5/26/2006** RunNo: **63896**
Client ID: **ZZZZZZ** Batch ID: **28270** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **5/30/2006** SeqNo: **945484**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	20.669	2.0	16.65	0	124	64	165				
Aldrin	18.591	1.0	16.65	0	112	68	135				
Dieldrin	18.261	2.0	16.65	0	110	48	165				
Endrin	22.658	2.0	16.65	0	136	60	186				
gamma-BHC	18.030	1.0	16.65	0	108	70	134				
Heptachlor	22.298	1.0	16.65	0	134	73	152				
Surr: Tetrachloro-m-xylene	15.855		16.65		95.2	60	109				
Surr: Decachlorobiphenyl	16.676		16.65		100	59	127				

Sample ID: **084620-004AMSD** SampType: **MSD** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **5/26/2006** RunNo: **63896**
Client ID: **ZZZZZZ** Batch ID: **28270** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **5/30/2006** SeqNo: **945485**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	21.388	2.0	16.65	0	128	64	165	20.67	3.42	30	
Aldrin	19.099	1.0	16.65	0	115	68	135	18.59	2.70	30	
Dieldrin	19.128	2.0	16.65	0	115	48	165	18.26	4.64	30	
Endrin	23.853	2.0	16.65	0	143	60	186	22.66	5.14	30	
gamma-BHC	18.701	1.0	16.65	0	112	70	134	18.03	3.66	30	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 084684
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **084620-004AMSD** SampType: **MSD** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **5/26/2006** RunNo: **63896**
Client ID: **ZZZZZZ** Batch ID: **28270** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **5/30/2006** SeqNo: **945485**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Heptachlor	23.976	1.0	16.65	0	144	73	152	22.30	7.25	30	
Surr: Tetrachloro-m-xylene	16.240		16.65		97.5	60	109		0	30	
Surr: Decachlorobiphenyl	16.994		16.65		102	59	127		0	30	

Sample ID: **084684-001ADUP** SampType: **DUP** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **5/26/2006** RunNo: **63896**
Client ID: **I5SB-HALL-HA319 0.** Batch ID: **28270** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **5/30/2006** SeqNo: **945496**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	2.0						0	0	30	
4,4´-DDE	0.554	2.0						0.5575	0	30	
4,4´-DDT	ND	2.0						0	0	30	
Aldrin	ND	1.0						0	0	30	
alpha-BHC	ND	1.0						0	0	30	
alpha-Chlordane	ND	1.0						0	0	30	
beta-BHC	ND	1.0						0	0	30	
Chlordane	ND	8.5						0	0	30	
delta-BHC	ND	1.0						0	0	30	
Dieldrin	ND	2.0						0	0	30	
Endosulfan I	ND	1.0						0	0	30	
Endosulfan II	ND	2.0						0	0	30	
Endosulfan sulfate	ND	2.0						0	0	30	
Endrin	ND	2.0						0	0	30	
Endrin aldehyde	ND	2.0						0	0	30	
Endrin ketone	ND	2.0						0	0	30	
gamma-BHC	ND	1.0						0	0	30	
gamma-Chlordane	ND	1.0						0	0	30	
Heptachlor	ND	1.0						0	0	30	
Heptachlor epoxide	ND	1.0						0	0	30	
Methoxychlor	ND	8.5						0	0	30	
Toxaphene	ND	85						0	0	30	
Surr: Tetrachloro-m-xylene	14.729		16.65		88.5	60	109		0	0	

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 084684
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **084684-001ADUP** SampType: **DUP** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **5/26/2006** RunNo: **63896**
Client ID: **I5SB-HALL-HA319 0.** Batch ID: **28270** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **5/30/2006** SeqNo: **945496**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Decachlorobiphenyl	15.492		16.62		93.2	59	127		0	0	

Sample ID: **MB-28270** SampType: **MBLK** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **5/26/2006** RunNo: **63896**
Client ID: **PBS** Batch ID: **28270** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **5/31/2006** SeqNo: **945534**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	2.0									
4,4´-DDE	ND	2.0									
4,4´-DDT	ND	2.0									
Aldrin	ND	1.0									
alpha-BHC	ND	1.0									
alpha-Chlordane	ND	1.0									
beta-BHC	ND	1.0									
Chlordane	ND	8.5									
delta-BHC	ND	1.0									
Dieldrin	ND	2.0									
Endosulfan I	ND	1.0									
Endosulfan II	ND	2.0									
Endosulfan sulfate	ND	2.0									
Endrin	ND	2.0									
Endrin aldehyde	ND	2.0									
Endrin ketone	ND	2.0									
gamma-BHC	ND	1.0									
gamma-Chlordane	ND	1.0									
Heptachlor	ND	1.0									
Heptachlor epoxide	ND	1.0									
Methoxychlor	ND	8.5									
Toxaphene	ND	85									
Surr: Tetrachloro-m-xylene	14.112		16.65		84.8	60	109				
Surr: Decachlorobiphenyl	13.969		16.65		83.9	59	127				

Qualifiers:
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interferenc
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 084684
Project: Caltrans I-5, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **LCS-28270**	SampType: **LCS**	TestCode: **8081_S**	Units: **µg/Kg**	Prep Date: **5/26/2006**	RunNo: **63896**
Client ID: **LCSS**	Batch ID: **28270**	TestNo: **EPA 8081A**	**EPA 3550B**	Analysis Date: **5/31/2006**	SeqNo: **945535**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	16.433	2.0	16.65	0	98.7	75	128				
Aldrin	16.115	1.0	16.65	0	96.8	80	124				
Dieldrin	15.468	2.0	16.65	0	92.9	82	121				
Endrin	18.427	2.0	16.65	0	111	79	141				
gamma-BHC	16.007	1.0	16.65	0	96.1	84	122				
Heptachlor	19.903	1.0	16.65	0	120	74	136				
Surr: Tetrachloro-m-xylene	14.080		16.65		84.6	60	109				
Surr: Decachlorobiphenyl	14.044		16.65		84.3	59	127				

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interferenc	DO	Surrogate Diluted Out
	Calculations are based on raw values				

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

D-TEK Analytical Laboratories, Inc.
9020 Kenamar Drive, Suite 205
San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	**6/7/06**
Sampling Date:	**5/23/06**
Date Sample Received:	**5/30/06**
Date Extracted:	**6/1/06**
Date Analyzed:	**June 4, 2006**
Analyzed By:	**EA**
Method:	**EPA 8141A**
Sample Type:	**Soil**
Sample Log Number:	**06-3622 and 06-3623**

The sample(s) were analyzed with EPA methodology or equivalent methods as specified on the attached "Analyses Results" report. The symbol for "less than" indicates a value below the reportable detection limit.

The results of these analyses and the quality control data are enclosed.

Ellen Atienza
Operations Manager

D-TEK Analytical Laboratories, Inc.
9020 Kenamar Drive, Suite 205
San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	6/7/06
Sampling Date:	5/23/06
Date Sample Received:	5/30/06
Date Extracted:	6/1/06
Date Analyzed:	June 5, 2006
Analyzed By:	EA
Sample Type:	Soil
Method:	EPA 8141A
Units:	µg/kg

ANALYSES RESULTS

Analysis	Detection Limit	Log Number:	06-3622	06-3623
		Sample ID:	084684-001B 15SB HALL-HA319 0.5	084684-002B 15SB-HALL-HA320-0.5
Azinphos Methyl	5.0		<DL	<DL
Bolstar	5.0		<DL	<DL
Coumaphos	5.0		<DL	<DL
Demeton	5.0		<DL	<DL
Diazinon	5.0		<DL	<DL
Dichlorvos	5.0		<DL	<DL
Disulfoton	5.0		<DL	<DL
Dursban (Chlorpyrifos)	5.0		<DL	<DL
Ethoprop	5.0		<DL	<DL
Fensulfothion	10.0		<DL	<DL
Fenthion	5.0		<DL	<DL
Gardona (Stirophos)	5.0		<DL	<DL
Malathion	5.0		<DL	<DL
Merphos	5.0		<DL	<DL
Methyl Parathion	5.0		<DL	<DL
Mevinphos	5.0		<DL	<DL
Naled	5.0		<DL	<DL
Phorate	5.0		<DL	<DL
Ronnel	5.0		<DL	<DL
Tokuthion	5.0		<DL	<DL
Trichloronate	5.0		<DL	<DL

Ellen Atienza
Operations Manager

D-TEK Analytical Laboratories, Inc.
9020 Kenamar Drive, Suite 205
San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

QUALITY CONTROL DATA REPORT

Date:	6/7/06
Attn:	Ms. Rachelle Arada
Date Extracted:	6/1/06
Date Analyzed:	June 5, 2006
Analysis Method:	EPA 8141A
Log#:	06-3622 and 06-3623

METHOD BLANK

No target analytes were detected in the method blank.

LABORATORY CONTROL SAMPLE

Compound	% Recovery	QC Limits:*
Diazinon	108	40-130
Methyl Parathion	106	40-130
Dursban (Chlorpyrifos)	102	40-130
Gardona(Stirophos)	82	40-130

Matrix Spike (06-3710)

Compound	Spike % Recovery	Spike Dup. % Recovery	MS/MSD RPD %	RPD Limits
Diazinon	94	103	9	30
Methyl Parathion	95	100	5	30
Dursban (Chlorpyrifos)	95	88	8	30
Gardona (Stirophos)	83	83	0	30

*QC limits applies to LCS, MS and MSD

QUALITY CONTROL TERMINOLOGY

- **LCS - LABORATORY CONTROL SAMPLE.** Reported as % recovery of an independent standard carried through all sample preparation procedures to verify method performance. Acceptable range is based on historical laboratory control data and EPA requirements. Any out-of-control QC data is clearly indicated.
- **Spike-** environmental sample is matrix spiked with method compounds and % recovery of concentration spiked into sample is calculated. Reported as % recovery. Acceptable range for "Normal Matrix Sample" is based on historical laboratory control data. Any out-of-control QC data is clearly indicated.
- **Surrogates-** Compounds representative of a group of compounds. Surrogates are spiked into environmental samples and % recovery of concentration spiked is calculated and reported. Acceptable range varies depending on sample matrix and analysis method. Any out-of-control QC data is clearly indicated.

D-TEK Analytical Laboratories, Inc.

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San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

SURROGATE RECOVERIES
(Tributylphosphate)

Log #	Percent Recovery:
Method Blank	94
06-3622	144
06-3623	152
LCS	102
06-3710 MS	110
06-3710 MSD	116

QC Limits: 50 to 170%

Ellen Atienza
Operations Manager

QUALITY CONTROL TERMINOLOGY

- **LCS - LABORATORY CONTROL SAMPLE.** Reported as % recovery of an independent standard carried through all sample preparation procedures to verify method performance. Acceptable range is based on historical laboratory control data and EPA requirements. Any out-of-control QC data is clearly indicated.
- **Spike-** environmental sample is matrix spiked with method compounds and % recovery of concentration spiked into sample is calculated. Reported as % recovery. Acceptable range for "Normal Matrix Sample" is based on historical laboratory control data. Any out-of-control QC data is clearly indicated.
- **Surrogates-** Compounds representative of a group of compounds. Surrogates are spiked into environmental samples and % recovery of concentration spiked is calculated and reported. Acceptable range varies depending on sample matrix and analysis method. Any out-of-control QC data is clearly indicated.

0612133

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755-5225
TEL: *5629894045* FAX: *5629894040*

CHAIN-OF-CUSTODY RECORD

QC Level: CT

Subcontractor:
D-Tek
9020 Kenamar Drive, Suite 205
San Diego, CA 92121

TEL: (858) 566-4540
FAX: (858) 566-4542
Acct #:

26-May-06

	Sample ID	Matrix	Date Collected	Bottle Type	Requested Tests EPA 8141A	
084684-001B	/ I5SB HALL HA319 0.5	Soil	5/23/2006 12:15:00 PM	4OZG	1	06-3622
084684-002B	/ I5SB- HALL-HA320-0.5	Soil	5/23/2006 12:25:00 PM	4OZG	1	06-3623

General Comments: Please use PO#: SC00577 Please fax results Normal TAT
Please send report to Rachelle Arada.

		Date/Time			Date/Time
Relinquished by:		5/26/06	Received by:		5/30/06 1155
Relinquished by:			Received by:		

Advanced Technology Labs	Project:	NA	
3275 Walnut Avenue	Project Number:	PO# SC00678	**Reported:**
Signal Hill CA, 90755	Project Manager:	Rachelle Arada	06/07/06 15:38

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
084684-001C / 15SB HALL HA319 0.5	0605549-01	Soil	05/23/06 12:15	05/30/06 10:50
084684-002C / 15SB HALL HA320 0.5	0605549-02	Soil	05/23/06 12:25	05/30/06 10:50

CASE NARRATIVE

SAMPLE RECEIPT:	Samples were received intact, at 10°C, and accompanied by chain of custody documentation.
PRESERVATION:	Samples requiring preservation were verified prior to sample preparation and analysis.
HOLDING TIMES:	All holding times were met, unless otherwise noted in the report with data qualifiers.
QA/QC CRITERIA:	All quality objective criteria were met, except as noted in the report with data qualifiers.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653
TELEPHONE: (949) 348-9389 FAX: (949) 348-9115
E-MAIL: SIERRALABS @ SIERRALABS.NET

Advanced Technology Labs	Project: NA	
3275 Walnut Avenue	Project Number: PO# SC00678	**Reported:**
Signal Hill CA, 90755	Project Manager: Rachelle Arada	06/07/06 15:38

Chlorinated Herbicides by EPA Method 8151A

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
084684-001C / 15SB HALL HA319 0.5 (0605549-01) Soil Sampled: 05/23/06 12:15 Received: 05/30/06 10:50									
2,4,5-T	ND	1.6	µg/kg	1	B6F0733	06/05/06	06/06/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*89.0 %*	*35-150*		"	"	"	"	
084684-002C / 15SB HALL HA320 0.5 (0605549-02) Soil Sampled: 05/23/06 12:25 Received: 05/30/06 10:50									
2,4,5-T	ND	1.6	µg/kg	1	B6F0733	06/05/06	06/06/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*71.0 %*	*35-150*		"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Labs	Project:	NA	
3275 Walnut Avenue	Project Number:	PO# SC00678	**Reported:**
Signal Hill CA, 90755	Project Manager:	Rachelle Arada	06/07/06 15:38

Chlorinated Herbicides by EPA Method 8151A - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6F0733 - EPA 3550B Solid Ext										
Blank (B6F0733-BLK1)				Prepared: 06/05/06 Analyzed: 06/06/06						
2,4,5-T	ND	1.6	µg/kg							
2,4,5-TP (Silvex)	ND	1.6	"							
2,4-D	ND	1.6	"							
2,4-DB	ND	4.0	"							
3,5-Dichlorobenzoic acid	ND	2.0	"							
4-Nitrophenol	ND	2.0	"							
Acifluorfen	ND	1.6	"							
Bentazon	ND	1.6	"							
Chloramben	ND	1.6	"							
Dalapon	ND	20	"							
DCPA diacid	ND	1.6	"							
Dicamba	ND	1.6	"							
Dichlorprop	ND	1.6	"							
Dinoseb	ND	1.6	"							
Pentachlorophenol	ND	1.6	"							
Picloram	ND	1.6	"							
Surrogate: 2,4-Dichlorophenylacetic Acid	*76.9*		*"*	*100*		*76.9*	*35-150*			
LCS (B6F0733-BS1)				Prepared: 06/05/06 Analyzed: 06/06/06						
2,4,5-T	12.0	1.6	µg/kg	10.0		120	20-150			
2,4,5-TP (Silvex)	13.5	1.6	"	10.0		135	20-150			
Dichlorprop	12.4	1.6	"	10.0		124	20-150			
Dinoseb	14.3	1.6	"	10.0		143	20-150			
LCS (B6F0733-BS2)				Prepared: 06/05/06 Analyzed: 06/06/06						
2,4,5-T	11.3	1.6	µg/kg	10.0		113	20-150			
2,4,5-TP (Silvex)	14.2	1.6	"	10.0		142	20-150			
Dichlorprop	13.0	1.6	"	10.0		130	20-150			
Dinoseb	13.4	1.6	"	10.0		134	20-150			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653
TELEPHONE: (949) 348-9389 FAX: (949) 348-9115
E-MAIL: SIERRALABS @ SIERRALABS.NET

Advanced Technology Labs	Project: NA	
3275 Walnut Avenue	Project Number: PO# SC00678	**Reported:**
Signal Hill CA, 90755	Project Manager: Rachelle Arada	06/07/06 15:38

Chlorinated Herbicides by EPA Method 8151A - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6F0733 - EPA 3550B Solid Ext										
LCS Dup (B6F0733-BSD1)				Prepared: 06/05/06 Analyzed: 06/06/06						
2,4,5-T	11.0	1.6	µg/kg	10.0		110	20-150	8.70	30	
2,4,5-TP (Silvex)	13.9	1.6	"	10.0		139	20-150	2.92	30	
Dichlorprop	12.7	1.6	"	10.0		127	20-150	2.39	30	
Dinoseb	13.5	1.6	"	10.0		135	20-150	5.76	30	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Labs	Project:	NA	
3275 Walnut Avenue	Project Number:	PO# SC00678	**Reported:**
Signal Hill CA, 90755	Project Manager:	Rachelle Arada	06/07/06 15:38

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755-5225
TEL: *5629894045* FAX: *5629894040*

CHAIN-OF-CUSTODY RECORD

QC Level: CT

Subcontractor:

Sierra Laboratories
26052 Merit Circle Suite 105
Laguna Hills, CA 92653

TEL: (949) 348-9389
FAX: (949) 348-9115
Acct #:

26-May-06

Sample ID	Matrix	Date Collected	Bottle Type	Requested Tests				
				EPA 8151				
084684-001C / I5SB HALL HA319 0.5	Soil	5/23/2006 12:15:00 PM	4OZG	1				
084684-002C / I5SB- HALL-HA320-0.5	Soil	5/23/2006 12:25:00 PM	4OZG	1				

General Comments: Please use PO#: SC00678 Please fax results Normal TAT
Please send report to Rachelle Arada.

		Date/Time			Date/Time
Relinquished by:				**Received by:**	
Relinquished by:				**Received by:**	

Tuesday 5-23-06

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: MP. Date: 5/25/06

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other:

Sample Condition Upon Receipt:
1. CHILLED Y☐ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: Ninyo & Moore
Attn: Scott Snyder
Address: 5710 Ruffin Rd
City SD State CA Zip Code 92123
TEL: (858) 576-1000
FAX: (858) 576-1000

Project Name: Caltrans I-5
Project #: 105812001
Sampler: (Printed Name) MATT ROE (Signature) MRoe

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
				5-25-06	7:40p
MRS	5-25-06	7:20p		5/25/06	1925

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: MATT ROE 5/23/06
Print Name Date
MRoe
Signature

Send Report To:
Attn: Scott Snyder
Co: Ninyo & Moore
Address 5710 Ruffin
City SD State CA Zip 92123

Bill To:
Attn: See info
Co:
Address
City State Zip

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	8141 - Pest	8151 - Herb	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	084684-001	ISSB-HALL-HA319-0.5	5/23/06	12:05	X								X	X		X					2	J6	C	
	-002	ISSB-HALL-HA320-0.5	"	12:25	X								X	X		X					2	J6	C	
	-003	Equip-HA-052306	"	12:30	X								X	X			X				1	P	N	

SPECIFY APPROPRIATE MATRIX

Q A / Q C
RTNE ☐
CT ☐
SWRCB ☐
Logcode
OTHER

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

D-TEK Analytical Laboratories, Inc.
9020 Kenamar Drive, Suite 205
San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	**8/18/06**
Sampling Date:	**8/3/06**
Date Sample Received:	**8/10/06**
Date Extracted:	**8/10/06**
Date Analyzed:	**August 15 and 17, 2006**
Analyzed By:	**EA**
Method:	**EPA 8141A**
Sample Type:	**Soil and Water**
Sample Log Number:	**06-5370 to 06-5380**

The sample(s) were analyzed with EPA methodology or equivalent methods as specified on the attached "Analyses Results" report. The symbol for "less than" indicates a value below the reportable detection limit.

The results of these analyses and the quality control data are enclosed.

Ellen Atienza
Operations Manager

D-TEK Analytical Laboratories, Inc.
9020 Kenamar Drive, Suite 205
San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	**8/18/06**
Sampling Date:	**8/3/06**
Date Sample Received:	**8/10/06**
Date Extracted:	**8/10/06**
Date Analyzed:	**August 15, 2006**
Analyzed By:	**EA**
Sample Type:	**Soil**
Method:	**EPA 8141A**
Units:	**µg/kg**

ANALYSES RESULTS

Analysis	**Detection Limit**	**Log Number:**	**06-5370**	**06-5371**
		Sample ID:	**085963-001B** 15NB-LYM-HA321-1.5	**085963-002B** 15NB-LYM-HA322-1.0
Azinphos Methyl	5.0		<DL	<DL
Bolstar	5.0		<DL	<DL
Coumaphos	5.0		<DL	<DL
Demeton	5.0		<DL	<DL
Diazinon	5.0		<DL	<DL
Dichlorvos	5.0		<DL	<DL
Disulfoton	5.0		<DL	<DL
Dursban (Chlorpyrifos)	5.0		<DL	<DL
Ethoprop	5.0		<DL	<DL
Fensulfothion	10.0		<DL	<DL
Fenthion	5.0		<DL	<DL
Gardona (Stirophos)	5.0		<DL	<DL
Malathion	5.0		<DL	<DL
Merphos	5.0		<DL	<DL
Methyl Parathion	5.0		<DL	<DL
Mevinphos	5.0		<DL	<DL
Naled	5.0		<DL	<DL
Phorate	5.0		<DL	<DL
Ronnel	5.0		<DL	<DL
Tokuthion	5.0		<DL	<DL
Trichloronate	5.0		<DL	<DL

Ellen Atienza
Operations Manager

D-TEK Analytical Laboratories, Inc.
9020 Kenamar Drive, Suite 205
San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	8/18/06
Sampling Date:	8/3/06
Date Sample Received:	8/10/06
Date Extracted:	8/10/06
Date Analyzed:	August 15, 2006
Analyzed By:	EA
Sample Type:	Soil
Method:	EPA 8141A
Units:	µg/kg

ANALYSES RESULTS

Analysis	Detection Limit	Log Number:	06-5372	06-5373
		Sample ID:	085963-003B 15NB-LYM-HA323-1.0	085963-004B 15NB-LYM-HA324-0.5
Azinphos Methyl	5.0		<DL	<DL
Bolstar	5.0		<DL	<DL
Coumaphos	5.0		<DL	<DL
Demeton	5.0		<DL	<DL
Diazinon	5.0		<DL	<DL
Dichlorvos	5.0		<DL	<DL
Disulfoton	5.0		<DL	<DL
Dursban (Chlorpyrifos)	5.0		<DL	<DL
Ethoprop	5.0		<DL	<DL
Fensulfothion	10.0		<DL	<DL
Fenthion	5.0		<DL	<DL
Gardona (Stirophos)	5.0		<DL	<DL
Malathion	5.0		<DL	<DL
Merphos	5.0		<DL	<DL
Methyl Parathion	5.0		<DL	<DL
Mevinphos	5.0		<DL	<DL
Naled	5.0		<DL	<DL
Phorate	5.0		<DL	<DL
Ronnel	5.0		<DL	<DL
Tokuthion	5.0		<DL	<DL
Trichloronate	5.0		<DL	<DL

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ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	**8/18/06**
Sampling Date:	**8/3/06**
Date Sample Received:	**8/10/06**
Date Extracted:	**8/10/06**
Date Analyzed:	**August 15, 2006**
Analyzed By:	**EA**
Sample Type:	**Soil**
Method:	**EPA 8141A**
Units:	**µg/kg**

ANALYSES RESULTS

Analysis	**Detection Limit**	**Log Number:**	**06-5374**	**06-5375**
		Sample ID:	**085963-005B**	**085963-006B**
			15NB-LYM-HA325-1.0	**15NB-LYM-HA326-0.5**
Azinphos Methyl	5.0		<DL	<DL
Bolstar	5.0		<DL	<DL
Coumaphos	5.0		<DL	<DL
Demeton	5.0		<DL	<DL
Diazinon	5.0		<DL	<DL
Dichlorvos	5.0		<DL	<DL
Disulfoton	5.0		<DL	<DL
Dursban (Chlorpyrifos)	5.0		<DL	<DL
Ethoprop	5.0		<DL	<DL
Fensulfothion	10.0		<DL	<DL
Fenthion	5.0		<DL	<DL
Gardona (Stirophos)	5.0		<DL	<DL
Malathion	5.0		<DL	<DL
Merphos	5.0		<DL	<DL
Methyl Parathion	5.0		<DL	<DL
Mevinphos	5.0		<DL	<DL
Naled	5.0		<DL	<DL
Phorate	5.0		<DL	<DL
Ronnel	5.0		<DL	<DL
Tokuthion	5.0		<DL	<DL
Trichloronate	5.0		<DL	<DL

Ellen Atienza
Operations Manager

D-TEK Analytical Laboratories, Inc.

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San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	8/18/06
Sampling Date:	8/3/06
Date Sample Received:	8/10/06
Date Extracted:	8/10/06
Date Analyzed:	August 15, 2006
Analyzed By:	EA
Sample Type:	Soil
Method:	EPA 8141A
Units:	µg/kg

ANALYSES RESULTS

Analysis	Detection Limit	Log Number:	06-5376	06-5377
		Sample ID:	085963-007B 15NB-LYM-HA327-1.0	085963-008B 15NB-LYM-HA328-1.0
Azinphos Methyl	5.0		<DL	<DL
Bolstar	5.0		<DL	<DL
Coumaphos	5.0		<DL	<DL
Demeton	5.0		<DL	<DL
Diazinon	5.0		<DL	<DL
Dichlorvos	5.0		<DL	<DL
Disulfoton	5.0		<DL	<DL
Dursban (Chlorpyrifos)	5.0		<DL	<DL
Ethoprop	5.0		<DL	<DL
Fensulfothion	10.0		<DL	<DL
Fenthion	5.0		<DL	<DL
Gardona (Stirophos)	5.0		<DL	<DL
Malathion	5.0		<DL	<DL
Merphos	5.0		<DL	<DL
Methyl Parathion	5.0		<DL	<DL
Mevinphos	5.0		<DL	<DL
Naled	5.0		<DL	<DL
Phorate	5.0		<DL	<DL
Ronnel	5.0		<DL	<DL
Tokuthion	5.0		<DL	<DL
Trichloronate	5.0		<DL	<DL

Ellen Atienza
Operations Manager

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San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	8/18/06
Sampling Date:	8/3/06
Date Sample Received:	8/10/06
Date Extracted:	8/10/06
Date Analyzed:	August 15, 2006
Analyzed By:	EA
Sample Type:	Soil
Method:	EPA 8141A
Units:	µg/kg

ANALYSES RESULTS

Analysis	Detection Limit	Log Number:	06-5378	06-5379
		Sample ID:	085963-009B 15NB-LYM-HA329-0.5	085963-010B 15NB-LYM-HA330-1.0
Azinphos Methyl	5.0		<DL	<DL
Bolstar	5.0		<DL	<DL
Coumaphos	5.0		<DL	<DL
Demeton	5.0		<DL	<DL
Diazinon	5.0		<DL	<DL
Dichlorvos	5.0		<DL	<DL
Disulfoton	5.0		<DL	<DL
Dursban (Chlorpyrifos)	5.0		<DL	<DL
Ethoprop	5.0		<DL	<DL
Fensulfothion	10.0		<DL	<DL
Fenthion	5.0		<DL	<DL
Gardona (Stirophos)	5.0		<DL	<DL
Malathion	5.0		<DL	<DL
Merphos	5.0		<DL	<DL
Methyl Parathion	5.0		<DL	<DL
Mevinphos	5.0		<DL	<DL
Naled	5.0		<DL	<DL
Phorate	5.0		<DL	<DL
Ronnel	5.0		<DL	<DL
Tokuthion	5.0		<DL	<DL
Trichloronate	5.0		<DL	<DL

Ellen Atienza
Operations Manager

D-TEK Analytical Laboratories, Inc.

9020 Kenamar Drive, Suite 205
San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

QUALITY CONTROL DATA REPORT

Date:	**8/18/06**
Attn:	**Ms. Rachelle Arada**
Date Extracted:	**8/10/06**
Date Analyzed:	**August 15, 2006**
Analysis Method:	**EPA 8141A**
Log #:	**06-5370 to 06-5379**

Method Blank

No target analytes were detected in the method blank.

Laboratory Control Sample

Compound	% Recovery	QC Limits	DUP % Recovery	%RPD	RPD Limits
Diazinon	92	40-130	93	1	30
Methyl Parathion	72	40-130	72	0	30
Dursban (Chlorpyrifos)	89	40-130	89	0	30
Gardona (Stirophos)	61	40-130	64	5	30

QUALITY CONTROL TERMINOLOGY

- **LCS - LABORATORY CONTROL SAMPLE.** Reported as % recovery of an independent standard carried through all sample preparation procedures to verify method performance. Acceptable range is based on historical laboratory control data and EPA requirements. Any out-of-control QC data is clearly indicated.
- **Spike**- environmental sample is matrix spiked with method compounds and % recovery of concentration spiked into sample is calculated. Reported as % recovery. Acceptable range for "Normal Matrix Sample" is based on historical laboratory control data. Any out-of-control QC data is clearly indicated.
- **Surrogates**- Compounds representative of a group of compounds. Surrogates are spiked into environmental samples and % recovery of concentration spiked is calculated and reported. Acceptable range varies depending on sample matrix and analysis method. Any out-of-control QC data is clearly indicated.

D-TEK Analytical Laboratories, Inc.
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SURROGATE RECOVERIES
(Tributylphosphate)

Log #	Percent Recovery:
Method Blank	72
06-5370	62
06-5371	77
06-5372	102
06-5373	98
06-5374	92
06-5375	98
06-5376	126
06-5377	100
06-5378	136
06-5379	135
LCS	80
LCS Dup	84

QC limits: 50 to 170%

Ellen Atienza
Operations Manager

QUALITY CONTROL TERMINOLOGY

- **LCS - LABORATORY CONTROL SAMPLE.** Reported as % recovery of an independent standard carried through all sample preparation procedures to verify method performance. Acceptable range is based on historical laboratory control data and EPA requirements. Any out-of-control QC data is clearly indicated.
- **Spike-** environmental sample is matrix spiked with method compounds and % recovery of concentration spiked into sample is calculated. Reported as % recovery. Acceptable range for "Normal Matrix Sample" is based on historical laboratory control data. Any out-of-control QC data is clearly indicated.
- **Surrogates-** Compounds representative of a group of compounds. Surrogates are spiked into environmental samples and % recovery of concentration spiked is calculated and reported. Acceptable range varies depending on sample matrix and analysis method. Any out-of-control QC data is clearly indicated.

D-TEK Analytical Laboratories, Inc.
9020 Kenamar Drive, Suite 205
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(858) 566-4540 FAX (858) 566-4542

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	**8/18/06**
Sampling Date:	**8/3/06**
Date Sample Received:	**8/10/06**
Date Extracted:	**8/10/06**
Date Analyzed:	**August 17, 2006**
Analyzed By:	**EA**
Sample Type:	**Water**
Method:	**EPA 8141A**
Unit:	**µg/l**

ANALYSES RESULTS

Analysis	**Detection Limit**	**Log Number:**	**06-5380**
		Sample ID:	**085693-012A HA-Equip-02**
Azinphos Methyl	1.5		<DL
Bolstar	0.15		<DL
Coumaphos	1.5		<DL
Demeton	0.25		<DL
Diazinon	0.1		<DL
Dichlorvos	0.1		<DL
Disulfoton	0.2		<DL
Dursban (Chlorpyrifos)	0.1		<DL
Ethoprop	0.25		<DL
Fensulfothion	2.5		<DL
Fenthion	0.1		<DL
Gardona (Stirophos)	0.5		<DL
Malathion	0.1		<DL
Merphos	0.25		<DL
Methyl Parathion	0.1		<DL
Mevinphos	0.3		<DL
Naled	0.1		<DL
Phorate	0.15		<DL
Ronnel	0.3		<DL
Tokuthion	0.5		<DL
Trichloronate	0.15		<DL

Ellen Atienza
Operations Manager

D-TEK Analytical Laboratories, Inc.
9020 Kenamar Drive, Suite 205
San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

QUALITY CONTROL DATA REPORT

Date:	8/18/06
Attn:	Ms. Rachelle Arada
Date Extracted:	8/10/06
Date Analyzed:	August 17, 2006
Analysis Method:	EPA 8141A
Log #:	06-5380

Method Blank

No target analytes were detected in the method blank.

Laboratory Control Sample

Compound	% Recovery	QC Limits	DUP % Recovery	%RPD	RPD Limits
Diazinon	115	40-130	125	8	30
Methyl Parathion	115	40-130	115	0	30
Dursban (Chlorpyrifos)	98	40-130	113	14	30
Gardona (Stirophos)	106	40-130	111	5	30

SURROGATE RECOVERIES
(Tributylphosphate)

Log #	Percent Recovery:
Method Blank	92
06-5380	92
LCS	80
LCS Dup	98

QC limits: 50 to 170%

Ellen Atienza
Operations Manager

QUALITY CONTROL TERMINOLOGY

- **LCS - LABORATORY CONTROL SAMPLE.** Reported as % recovery of an independent standard carried through all sample preparation procedures to verify method performance. Acceptable range is based on historical laboratory control data and EPA requirements. Any out-of-control QC data is clearly indicated.
- **Spike-** environmental sample is matrix spiked with method compounds and % recovery of concentration spiked into sample is calculated. Reported as % recovery. Acceptable range for "Normal Matrix Sample" is based on historical laboratory control data. Any out-of-control QC data is clearly indicated.
- **Surrogates-** Compounds representative of a group of compounds. Surrogates are spiked into environmental samples and % recovery of concentration spiked is calculated and reported. Acceptable range varies depending on sample matrix and analysis method. Any out-of-control QC data is clearly indicated. *

CHAIN-OF-CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755-5225
TEL: *5629894045* FAX: *5629894040*

QC Level: CT

Subcontractor:
D-Tek
9020 Kenamar Drive, Suite 205
San Diego, CA 92121

TEL: (858) 566-4540
FAX: (858) 566-4542
Acct #:

08-Aug-06

	Sample ID	Matrix	Date Collected	Bottle Type	Requested Tests EPA 8141A	
085963-001B	/ I5NB-LYM-HA321-1.5	Soil	8/3/2006 11:25:00 AM	4OZG	1	06-5370
085963-002B	/ I5NB-LYM-HA322-1.0	Soil	8/3/2006 11:35:00 AM	4OZG	1	06-5371
085963-003B	/ I5NB-LYM-HA323-1.0	Soil	8/3/2006 11:50:00 AM	4OZG	1	06-5372
085963-004B	/ I5NB-LYM-HA324-0.5	Soil	8/3/2006 12:08:00 PM	4OZG	1	06-5373
085963-005B	/ I5NB-LYM-HA325-1.0	Soil	8/3/2006 12:22:00 PM	4OZG	1	06-5374
085963-006B	/ I5NB-LYM-HA326-0.5	Soil	8/3/2006 2:26:00 PM	4OZG	1	06-5375
085963-007B	/ I5NB-LYM-HA327-1.0	Soil	8/3/2006 2:36:00 PM	4OZG	1	06-5376
085963-008B	/ I5NB-LYM-HA328-1.0	Soil	8/3/2006 2:47:00 PM	4OZG	1	06-5377
085963-009B	/ I5NB-LYM-HA329-0.5	Soil	8/3/2006 2:55:00 PM	4OZG	1	06-5378
085963-010B	/ I5NB-LYM-HA330-1.0	Soil	8/3/2006 3:00:00 PM	4OZG	1	06-5379
085963-012A	/ HA-Equip-02	Water	8/3/2006 3:24:00 PM	32OZA	1	06-5380

General Comments: Please use PO#: SC0083 Please fax results Normal TAT

Please send report to Rachelle Arada.

	Date/Time		Date/Time
Relinquished by:	8/7	Received by:	8/10/06 0800
Relinquished by:		Received by:	

August 22, 2006

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 085963

RE: I-5 EXPANSION/CALTRANS, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on August 07, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *22-Aug-06*

CLIENT: Ninyo & Moore
Project: I-5 EXPANSION/CALTRANS, 105812001
Lab Order: 085963
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
085963-001A	I5NB-LYM-HA321-1.5	Soil	8/3/2006	8/7/2006	8/22/2006
085963-001B	I5NB-LYM-HA321-1.5	Soil	8/3/2006	8/7/2006	8/22/2006
085963-001C	I5NB-LYM-HA321-1.5	Soil	8/3/2006	8/7/2006	8/22/2006
085963-002A	I5NB-LYM-HA322-1.0	Soil	8/3/2006	8/7/2006	8/22/2006
085963-002B	I5NB-LYM-HA322-1.0	Soil	8/3/2006	8/7/2006	8/22/2006
085963-002C	I5NB-LYM-HA322-1.0	Soil	8/3/2006	8/7/2006	8/22/2006
085963-003A	I5NB-LYM-HA323-1.0	Soil	8/3/2006	8/7/2006	8/22/2006
085963-003B	I5NB-LYM-HA323-1.0	Soil	8/3/2006	8/7/2006	8/22/2006
085963-003C	I5NB-LYM-HA323-1.0	Soil	8/3/2006	8/7/2006	8/22/2006
085963-004A	I5NB-LYM-HA324-0.5	Soil	8/3/2006	8/7/2006	8/22/2006
085963-004B	I5NB-LYM-HA324-0.5	Soil	8/3/2006	8/7/2006	8/22/2006
085963-004C	I5NB-LYM-HA324-0.5	Soil	8/3/2006	8/7/2006	8/22/2006
085963-005A	I5NB-LYM-HA325-1.0	Soil	8/3/2006	8/7/2006	8/22/2006
085963-005B	I5NB-LYM-HA325-1.0	Soil	8/3/2006	8/7/2006	8/22/2006
085963-005C	I5NB-LYM-HA325-1.0	Soil	8/3/2006	8/7/2006	8/22/2006
085963-006A	I5NB-LYM-HA326-0.5	Soil	8/3/2006	8/7/2006	8/22/2006
085963-006B	I5NB-LYM-HA326-0.5	Soil	8/3/2006	8/7/2006	8/22/2006
085963-006C	I5NB-LYM-HA326-0.5	Soil	8/3/2006	8/7/2006	8/22/2006
085963-007A	I5NB-LYM-HA327-1.0	Soil	8/3/2006	8/7/2006	8/22/2006
085963-007B	I5NB-LYM-HA327-1.0	Soil	8/3/2006	8/7/2006	8/22/2006
085963-007C	I5NB-LYM-HA327-1.0	Soil	8/3/2006	8/7/2006	8/22/2006
085963-008A	I5NB-LYM-HA328-1.0	Soil	8/3/2006	8/7/2006	8/22/2006
085963-008B	I5NB-LYM-HA328-1.0	Soil	8/3/2006	8/7/2006	8/22/2006
085963-008C	I5NB-LYM-HA328-1.0	Soil	8/3/2006	8/7/2006	8/22/2006
085963-009A	I5NB-LYM-HA329-0.5	Soil	8/3/2006	8/7/2006	8/22/2006
085963-009B	I5NB-LYM-HA329-0.5	Soil	8/3/2006	8/7/2006	8/22/2006
085963-009C	I5NB-LYM-HA329-0.5	Soil	8/3/2006	8/7/2006	8/22/2006
085963-010A	I5NB-LYM-HA330-1.0	Soil	8/3/2006	8/7/2006	8/22/2006
085963-010B	I5NB-LYM-HA330-1.0	Soil	8/3/2006	8/7/2006	8/22/2006

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Project: I-5 EXPANSION/CALTRANS, 105812001
Lab Order: 085963
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
085963-010C	I5NB-LYM-HA330-1.0	Soil	8/3/2006	8/7/2006	8/22/2006
085963-011A	HA-Eqiup-01	Water	8/3/2006	8/7/2006	8/22/2006
085963-012A	HA-Equip-02	Water	8/3/2006	8/7/2006	8/22/2006
085963-013A	HA-Equip-03	Water	8/3/2006	8/7/2006	8/22/2006

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CASE NARRATIVE

The samples for EPA 8141 analysis were subcontracted to D-tek Analytical Laboratories, Inc. with ELAP Cert. 2344.

The samples for EPA 8151 analysis were subcontracted to Sierra Analytical Laboratories, Inc. with ELAP Cert. 2320.

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *22-Aug-06*

CLIENT: Ninyo & Moore
Lab Order: 085963
Project: I-5 EXPANSION/CALTRANS, 105812001
Lab ID: 085963-001

Client Sample ID: I5NB-LYM-HA321-1.5
Collection Date: 8/3/2006 11:25:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3550B				**EPA 8081A**		
RunID: GC10_060811A	QC Batch: 29710				PrepDate: 8/11/2006	Analyst: **EES**
4,4´-DDD	17	2.0		µg/Kg	1	8/11/2006
4,4´-DDE	19	2.0		µg/Kg	1	8/11/2006
4,4´-DDT	21	2.0		µg/Kg	1	8/11/2006
Aldrin	ND	1.0		µg/Kg	1	8/11/2006
alpha-BHC	ND	1.0		µg/Kg	1	8/11/2006
alpha-Chlordane	6.3	1.0		µg/Kg	1	8/11/2006
beta-BHC	ND	1.0		µg/Kg	1	8/11/2006
Chlordane	17	8.5		µg/Kg	1	8/11/2006
delta-BHC	ND	1.0		µg/Kg	1	8/11/2006
Dieldrin	4.5	2.0		µg/Kg	1	8/11/2006
Endosulfan I	2.9	1.0		µg/Kg	1	8/11/2006
Endosulfan II	ND	2.0		µg/Kg	1	8/11/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	8/11/2006
Endrin	64	2.0		µg/Kg	1	8/11/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	8/11/2006
Endrin ketone	ND	2.0		µg/Kg	1	8/11/2006
gamma-BHC	ND	1.0		µg/Kg	1	8/11/2006
gamma-Chlordane	5.2	1.0		µg/Kg	1	8/11/2006
Heptachlor	ND	1.0		µg/Kg	1	8/11/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	8/11/2006
Methoxychlor	ND	8.5		µg/Kg	1	8/11/2006
Toxaphene	ND	85		µg/Kg	1	8/11/2006
Surr: Decachlorobiphenyl	108	41-137		%REC	1	8/11/2006
Surr: Tetrachloro-m-xylene	62.6	62-114		%REC	1	8/11/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Date: *22-Aug-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5NB-LYM-HA322-1.0
Lab Order:	085963	**Collection Date:**	8/3/2006 11:35:00 AM
Project:	I-5 EXPANSION/CALTRANS, 105812001		
Lab ID:	085963-002	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3550B				**EPA 8081A**		
RunID: GC10_060811A	QC Batch: 29710				PrepDate: 8/11/2006	Analyst: **EES**
4,4´-DDD	ND	2.0		µg/Kg	1	8/11/2006
4,4´-DDE	22	2.0		µg/Kg	1	8/11/2006
4,4´-DDT	4.1	2.0		µg/Kg	1	8/11/2006
Aldrin	ND	1.0		µg/Kg	1	8/11/2006
alpha-BHC	ND	1.0		µg/Kg	1	8/11/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	8/11/2006
beta-BHC	ND	1.0		µg/Kg	1	8/11/2006
Chlordane	ND	8.5		µg/Kg	1	8/11/2006
delta-BHC	ND	1.0		µg/Kg	1	8/11/2006
Dieldrin	ND	2.0		µg/Kg	1	8/11/2006
Endosulfan I	ND	1.0		µg/Kg	1	8/11/2006
Endosulfan II	ND	2.0		µg/Kg	1	8/11/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	8/11/2006
Endrin	ND	2.0		µg/Kg	1	8/11/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	8/11/2006
Endrin ketone	ND	2.0		µg/Kg	1	8/11/2006
gamma-BHC	ND	1.0		µg/Kg	1	8/11/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	8/11/2006
Heptachlor	ND	1.0		µg/Kg	1	8/11/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	8/11/2006
Methoxychlor	ND	8.5		µg/Kg	1	8/11/2006
Toxaphene	ND	85		µg/Kg	1	8/11/2006
Surr: Decachlorobiphenyl	89.2	41-137		%REC	1	8/11/2006
Surr: Tetrachloro-m-xylene	85.7	62-114		%REC	1	8/11/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Date: *22-Aug-06*

CLIENT: Ninyo & Moore
Lab Order: 085963
Project: I-5 EXPANSION/CALTRANS, 105812001
Lab ID: 085963-003

Client Sample ID: I5NB-LYM-HA323-1.0
Collection Date: 8/3/2006 11:50:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3550B				**EPA 8081A**		
RunID: GC10_060811A	QC Batch: 29710				PrepDate: 8/11/2006	Analyst: **EES**
4,4´-DDD	ND	10		µg/Kg	5	8/11/2006
4,4´-DDE	13	10		µg/Kg	5	8/11/2006
4,4´-DDT	13	10		µg/Kg	5	8/11/2006
Aldrin	ND	5.0		µg/Kg	5	8/11/2006
alpha-BHC	ND	5.0		µg/Kg	5	8/11/2006
alpha-Chlordane	ND	5.0		µg/Kg	5	8/11/2006
beta-BHC	ND	5.0		µg/Kg	5	8/11/2006
Chlordane	ND	42		µg/Kg	5	8/11/2006
delta-BHC	ND	5.0		µg/Kg	5	8/11/2006
Dieldrin	ND	10		µg/Kg	5	8/11/2006
Endosulfan I	ND	5.0		µg/Kg	5	8/11/2006
Endosulfan II	ND	10		µg/Kg	5	8/11/2006
Endosulfan sulfate	ND	10		µg/Kg	5	8/11/2006
Endrin	ND	10		µg/Kg	5	8/11/2006
Endrin aldehyde	ND	10		µg/Kg	5	8/11/2006
Endrin ketone	ND	10		µg/Kg	5	8/11/2006
gamma-BHC	ND	5.0		µg/Kg	5	8/11/2006
gamma-Chlordane	ND	5.0		µg/Kg	5	8/11/2006
Heptachlor	ND	5.0		µg/Kg	5	8/11/2006
Heptachlor epoxide	ND	5.0		µg/Kg	5	8/11/2006
Methoxychlor	ND	42		µg/Kg	5	8/11/2006
Toxaphene	ND	420		µg/Kg	5	8/11/2006
Surr: Decachlorobiphenyl	94.5	41-137		%REC	5	8/11/2006
Surr: Tetrachloro-m-xylene	80.1	62-114		%REC	5	8/11/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Date: *22-Aug-06*

CLIENT: Ninyo & Moore
Lab Order: 085963
Project: I-5 EXPANSION/CALTRANS, 105812001
Lab ID: 085963-004

Client Sample ID: I5NB-LYM-HA324-0.5
Collection Date: 8/3/2006 12:08:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3550B				**EPA 8081A**		
RunID: GC10_060811A	QC Batch: 29710			PrepDate:	8/11/2006	Analyst: **EES**
4,4´-DDD	ND	10		µg/Kg	5	8/11/2006
4,4´-DDE	31	10		µg/Kg	5	8/11/2006
4,4´-DDT	14	10		µg/Kg	5	8/11/2006
Aldrin	ND	5.0		µg/Kg	5	8/11/2006
alpha-BHC	ND	5.0		µg/Kg	5	8/11/2006
alpha-Chlordane	6.6	5.0		µg/Kg	5	8/11/2006
beta-BHC	ND	5.0		µg/Kg	5	8/11/2006
Chlordane	ND	42		µg/Kg	5	8/11/2006
delta-BHC	ND	5.0		µg/Kg	5	8/11/2006
Dieldrin	52	10		µg/Kg	5	8/11/2006
Endosulfan I	ND	5.0		µg/Kg	5	8/11/2006
Endosulfan II	ND	10		µg/Kg	5	8/11/2006
Endosulfan sulfate	ND	10		µg/Kg	5	8/11/2006
Endrin	ND	10		µg/Kg	5	8/11/2006
Endrin aldehyde	ND	10		µg/Kg	5	8/11/2006
Endrin ketone	ND	10		µg/Kg	5	8/11/2006
gamma-BHC	ND	5.0		µg/Kg	5	8/11/2006
gamma-Chlordane	5.7	5.0		µg/Kg	5	8/11/2006
Heptachlor	ND	5.0		µg/Kg	5	8/11/2006
Heptachlor epoxide	ND	5.0		µg/Kg	5	8/11/2006
Methoxychlor	ND	42		µg/Kg	5	8/11/2006
Toxaphene	ND	420		µg/Kg	5	8/11/2006
Surr: Decachlorobiphenyl	92.9	41-137		%REC	5	8/11/2006
Surr: Tetrachloro-m-xylene	78.1	62-114		%REC	5	8/11/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Date: *22-Aug-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5NB-LYM-HA325-1.0
Lab Order:	085963	**Collection Date:**	8/3/2006 12:22:00 PM
Project:	I-5 EXPANSION/CALTRANS, 105812001		
Lab ID:	085963-005	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3550B				**EPA 8081A**		
RunID: GC10_060811A	QC Batch: 29710				PrepDate: 8/11/2006	Analyst: **EES**
4,4´-DDD	6.3	2.0		µg/Kg	1	8/11/2006
4,4´-DDE	83	10		µg/Kg	5	8/14/2006
4,4´-DDT	95	10		µg/Kg	5	8/14/2006
Aldrin	ND	1.0		µg/Kg	1	8/11/2006
alpha-BHC	ND	1.0		µg/Kg	1	8/11/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	8/11/2006
beta-BHC	ND	1.0		µg/Kg	1	8/11/2006
Chlordane	ND	8.5		µg/Kg	1	8/11/2006
delta-BHC	ND	1.0		µg/Kg	1	8/11/2006
Dieldrin	88	10		µg/Kg	5	8/14/2006
Endosulfan I	ND	1.0		µg/Kg	1	8/11/2006
Endosulfan II	ND	2.0		µg/Kg	1	8/11/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	8/11/2006
Endrin	ND	2.0		µg/Kg	1	8/11/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	8/11/2006
Endrin ketone	ND	2.0		µg/Kg	1	8/11/2006
gamma-BHC	ND	1.0		µg/Kg	1	8/11/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	8/11/2006
Heptachlor	ND	1.0		µg/Kg	1	8/11/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	8/11/2006
Methoxychlor	ND	8.5		µg/Kg	1	8/11/2006
Toxaphene	280	85		µg/Kg	1	8/11/2006
Surr: Decachlorobiphenyl	89.1	41-137		%REC	1	8/11/2006
Surr: Tetrachloro-m-xylene	79.6	62-114		%REC	1	8/11/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Date: *22-Aug-06*

CLIENT: Ninyo & Moore
Lab Order: 085963
Project: I-5 EXPANSION/CALTRANS, 105812001
Lab ID: 085963-006

Client Sample ID: I5NB-LYM-HA326-0.5
Collection Date: 8/3/2006 2:26:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3550B				**EPA 8081A**		
RunID: GC10_060811A	QC Batch: 29710				PrepDate: 8/11/2006	Analyst: **EES**
4,4´-DDD	16	2.0		µg/Kg	1	8/11/2006
4,4´-DDE	320	20		µg/Kg	10	8/14/2006
4,4´-DDT	160	20		µg/Kg	10	8/14/2006
Aldrin	ND	1.0		µg/Kg	1	8/11/2006
alpha-BHC	ND	1.0		µg/Kg	1	8/11/2006
alpha-Chlordane	1.6	1.0		µg/Kg	1	8/11/2006
beta-BHC	ND	1.0		µg/Kg	1	8/11/2006
Chlordane	12	8.5		µg/Kg	1	8/11/2006
delta-BHC	ND	1.0		µg/Kg	1	8/11/2006
Dieldrin	360	20		µg/Kg	10	8/14/2006
Endosulfan I	ND	1.0		µg/Kg	1	8/11/2006
Endosulfan II	ND	2.0		µg/Kg	1	8/11/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	8/11/2006
Endrin	ND	2.0		µg/Kg	1	8/11/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	8/11/2006
Endrin ketone	ND	2.0		µg/Kg	1	8/11/2006
gamma-BHC	ND	1.0		µg/Kg	1	8/11/2006
gamma-Chlordane	1.3	1.0		µg/Kg	1	8/11/2006
Heptachlor	ND	1.0		µg/Kg	1	8/11/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	8/11/2006
Methoxychlor	ND	8.5		µg/Kg	1	8/11/2006
Toxaphene	650	85		µg/Kg	1	8/11/2006
Surr: Decachlorobiphenyl	95.1	41-137		%REC	1	8/11/2006
Surr: Tetrachloro-m-xylene	86.5	62-114		%REC	1	8/11/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Date: *22-Aug-06*

CLIENT: Ninyo & Moore
Lab Order: 085963
Project: I-5 EXPANSION/CALTRANS, 105812001
Lab ID: 085963-007

Client Sample ID: I5NB-LYM-HA327-1.0
Collection Date: 8/3/2006 2:36:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3550B				**EPA 8081A**		
RunID: GC10_060811A	QC Batch: 29710				PrepDate: 8/11/2006	Analyst: **EES**
4,4´-DDD	33	2.0		µg/Kg	1	8/11/2006
4,4´-DDE	440	20		µg/Kg	10	8/14/2006
4,4´-DDT	290	20		µg/Kg	10	8/14/2006
Aldrin	ND	1.0		µg/Kg	1	8/11/2006
alpha-BHC	ND	1.0		µg/Kg	1	8/11/2006
alpha-Chlordane	4.8	1.0		µg/Kg	1	8/11/2006
beta-BHC	ND	1.0		µg/Kg	1	8/11/2006
Chlordane	21	8.5		µg/Kg	1	8/11/2006
delta-BHC	ND	1.0		µg/Kg	1	8/11/2006
Dieldrin	620	20		µg/Kg	10	8/14/2006
Endosulfan I	ND	1.0		µg/Kg	1	8/11/2006
Endosulfan II	ND	2.0		µg/Kg	1	8/11/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	8/11/2006
Endrin	ND	2.0		µg/Kg	1	8/11/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	8/11/2006
Endrin ketone	ND	2.0		µg/Kg	1	8/11/2006
gamma-BHC	ND	1.0		µg/Kg	1	8/11/2006
gamma-Chlordane	3.5	1.0		µg/Kg	1	8/11/2006
Heptachlor	ND	1.0		µg/Kg	1	8/11/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	8/11/2006
Methoxychlor	ND	8.5		µg/Kg	1	8/11/2006
Toxaphene	1400	850		µg/Kg	10	8/14/2006
Surr: Decachlorobiphenyl	89.3	41-137		%REC	1	8/11/2006
Surr: Tetrachloro-m-xylene	75.6	62-114		%REC	1	8/11/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Date: *22-Aug-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5NB-LYM-HA328-1.0
Lab Order:	085963	**Collection Date:**	8/3/2006 2:47:00 PM
Project:	I-5 EXPANSION/CALTRANS, 105812001		
Lab ID:	085963-008	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
	EPA 3550B			**EPA 8081A**		
RunID: GC10_060811A	QC Batch: 29710				PrepDate: 8/11/2006	Analyst: **EES**
4,4´-DDD	ND	2.0		µg/Kg	1	8/11/2006
4,4´-DDE	ND	2.0		µg/Kg	1	8/11/2006
4,4´-DDT	ND	2.0		µg/Kg	1	8/11/2006
Aldrin	ND	1.0		µg/Kg	1	8/11/2006
alpha-BHC	ND	1.0		µg/Kg	1	8/11/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	8/11/2006
beta-BHC	ND	1.0		µg/Kg	1	8/11/2006
Chlordane	ND	8.5		µg/Kg	1	8/11/2006
delta-BHC	ND	1.0		µg/Kg	1	8/11/2006
Dieldrin	ND	2.0		µg/Kg	1	8/11/2006
Endosulfan I	ND	1.0		µg/Kg	1	8/11/2006
Endosulfan II	ND	2.0		µg/Kg	1	8/11/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	8/11/2006
Endrin	ND	2.0		µg/Kg	1	8/11/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	8/11/2006
Endrin ketone	ND	2.0		µg/Kg	1	8/11/2006
gamma-BHC	ND	1.0		µg/Kg	1	8/11/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	8/11/2006
Heptachlor	ND	1.0		µg/Kg	1	8/11/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	8/11/2006
Methoxychlor	ND	8.5		µg/Kg	1	8/11/2006
Toxaphene	ND	85		µg/Kg	1	8/11/2006
Surr: Decachlorobiphenyl	93.3	41-137		%REC	1	8/11/2006
Surr: Tetrachloro-m-xylene	85.1	62-114		%REC	1	8/11/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Date: *22-Aug-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5NB-LYM-HA329-0.5
Lab Order:	085963	**Collection Date:**	8/3/2006 2:55:00 PM
Project:	I-5 EXPANSION/CALTRANS, 105812001		
Lab ID:	085963-009	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
	EPA 3550B			**EPA 8081A**		
RunID: GC10_060811A	QC Batch: 29710				PrepDate: 8/11/2006	Analyst: **EES**
4,4´-DDD	ND	2.0		µg/Kg	1	8/11/2006
4,4´-DDE	11	2.0		µg/Kg	1	8/11/2006
4,4´-DDT	3.4	2.0		µg/Kg	1	8/11/2006
Aldrin	ND	1.0		µg/Kg	1	8/11/2006
alpha-BHC	ND	1.0		µg/Kg	1	8/11/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	8/11/2006
beta-BHC	ND	1.0		µg/Kg	1	8/11/2006
Chlordane	ND	8.5		µg/Kg	1	8/11/2006
delta-BHC	ND	1.0		µg/Kg	1	8/11/2006
Dieldrin	12	2.0		µg/Kg	1	8/11/2006
Endosulfan I	ND	1.0		µg/Kg	1	8/11/2006
Endosulfan II	ND	2.0		µg/Kg	1	8/11/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	8/11/2006
Endrin	ND	2.0		µg/Kg	1	8/11/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	8/11/2006
Endrin ketone	ND	2.0		µg/Kg	1	8/11/2006
gamma-BHC	ND	1.0		µg/Kg	1	8/11/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	8/11/2006
Heptachlor	ND	1.0		µg/Kg	1	8/11/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	8/11/2006
Methoxychlor	ND	8.5		µg/Kg	1	8/11/2006
Toxaphene	ND	85		µg/Kg	1	8/11/2006
Surr: Decachlorobiphenyl	95.8	41-137		%REC	1	8/11/2006
Surr: Tetrachloro-m-xylene	89.7	62-114		%REC	1	8/11/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

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Advanced Technology Laboratories

Date: *22-Aug-06*

CLIENT: Ninyo & Moore
Lab Order: 085963
Project: I-5 EXPANSION/CALTRANS, 105812001
Lab ID: 085963-010

Client Sample ID: I5NB-LYM-HA330-1.0
Collection Date: 8/3/2006 3:00:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
	EPA 3550B			**EPA 8081A**		
RunID: GC10_060811A	QC Batch: 29710			PrepDate:	8/11/2006	Analyst: **EES**
4,4´-DDD	ND	2.0		µg/Kg	1	8/11/2006
4,4´-DDE	43	2.0		µg/Kg	1	8/11/2006
4,4´-DDT	25	2.0		µg/Kg	1	8/11/2006
Aldrin	ND	1.0		µg/Kg	1	8/11/2006
alpha-BHC	ND	1.0		µg/Kg	1	8/11/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	8/11/2006
beta-BHC	ND	1.0		µg/Kg	1	8/11/2006
Chlordane	ND	8.5		µg/Kg	1	8/11/2006
delta-BHC	ND	1.0		µg/Kg	1	8/11/2006
Dieldrin	23	2.0		µg/Kg	1	8/11/2006
Endosulfan I	ND	1.0		µg/Kg	1	8/11/2006
Endosulfan II	ND	2.0		µg/Kg	1	8/11/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	8/11/2006
Endrin	ND	2.0		µg/Kg	1	8/11/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	8/11/2006
Endrin ketone	ND	2.0		µg/Kg	1	8/11/2006
gamma-BHC	ND	1.0		µg/Kg	1	8/11/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	8/11/2006
Heptachlor	ND	1.0		µg/Kg	1	8/11/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	8/11/2006
Methoxychlor	ND	8.5		µg/Kg	1	8/11/2006
Toxaphene	97	85		µg/Kg	1	8/11/2006
Surr: Decachlorobiphenyl	92.5	41-137		%REC	1	8/11/2006
Surr: Tetrachloro-m-xylene	80.6	62-114		%REC	1	8/11/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Date: *22-Aug-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	HA-Eqiup-01
Lab Order:	085963	**Collection Date:**	8/3/2006 3:21:00 PM
Project:	I-5 EXPANSION/CALTRANS, 105812001		
Lab ID:	085963-011	**Matrix:**	WATER

ORGANOCHLORINE PESTICIDES BY GC/ECD

EPA 3510C **EPA 8081A**

RunID: GC10_060810A QC Batch: 29680 PrepDate: 8/10/2006 Analyst: **EES**

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
4,4´-DDD	ND	0.050		µg/L	1	8/10/2006
4,4´-DDE	ND	0.050		µg/L	1	8/10/2006
4,4´-DDT	ND	0.050		µg/L	1	8/10/2006
Aldrin	ND	0.025		µg/L	1	8/10/2006
alpha-BHC	ND	0.025		µg/L	1	8/10/2006
alpha-Chlordane	ND	0.025		µg/L	1	8/10/2006
beta-BHC	ND	0.025		µg/L	1	8/10/2006
Chlordane	ND	0.25		µg/L	1	8/10/2006
delta-BHC	ND	0.025		µg/L	1	8/10/2006
Dieldrin	ND	0.050		µg/L	1	8/10/2006
Endosulfan I	ND	0.025		µg/L	1	8/10/2006
Endosulfan II	ND	0.050		µg/L	1	8/10/2006
Endosulfan sulfate	ND	0.050		µg/L	1	8/10/2006
Endrin	ND	0.050		µg/L	1	8/10/2006
Endrin aldehyde	ND	0.050		µg/L	1	8/10/2006
Endrin ketone	ND	0.050		µg/L	1	8/10/2006
gamma-BHC	ND	0.025		µg/L	1	8/10/2006
gamma-Chlordane	ND	0.025		µg/L	1	8/10/2006
Heptachlor	ND	0.025		µg/L	1	8/10/2006
Heptachlor epoxide	ND	0.025		µg/L	1	8/10/2006
Methoxychlor	ND	0.25		µg/L	1	8/10/2006
Toxaphene	ND	2.5		µg/L	1	8/10/2006
Surr: Decachlorobiphenyl	72.3	32-107		%REC	1	8/10/2006
Surr: Tetrachloro-m-xylene	83.4	50-116		%REC	1	8/10/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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CLIENT: Ninyo & Moore
Work Order: 085963
Project: I-5 EXPANSION/CALTRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **MB-29710**	SampType: **MBLK**	TestCode: **8081_S**	Units: **µg/Kg**	Prep Date: **8/11/2006**	RunNo: **66575**
Client ID: **PBS**	Batch ID: **29710**	TestNo: **EPA 8081A**	**EPA 3550B**	Analysis Date: **8/11/2006**	SeqNo: **990429**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	2.0									
4,4´-DDE	ND	2.0									
4,4´-DDT	ND	2.0									
Aldrin	ND	1.0									
alpha-BHC	ND	1.0									
alpha-Chlordane	ND	1.0									
beta-BHC	ND	1.0									
Chlordane	ND	8.5									
delta-BHC	ND	1.0									
Dieldrin	ND	2.0									
Endosulfan I	ND	1.0									
Endosulfan II	ND	2.0									
Endosulfan sulfate	ND	2.0									
Endrin	ND	2.0									
Endrin aldehyde	ND	2.0									
Endrin ketone	ND	2.0									
gamma-BHC	ND	1.0									
gamma-Chlordane	ND	1.0									
Heptachlor	ND	1.0									
Heptachlor epoxide	ND	1.0									
Methoxychlor	ND	8.5									
Toxaphene	ND	85									
Surr: Tetrachloro-m-xylene	12.462		16.67		74.8	62	114				
Surr: Decachlorobiphenyl	14.090		16.67		84.5	41	137				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Ninyo & Moore
Work Order: 085963
Project: I-5 EXPANSION/CALTRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **LCS-29710** SampType: **LCS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **8/11/2006** RunNo: **66575**
Client ID: **LCSS** Batch ID: **29710** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **8/11/2006** SeqNo: **990430**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	14.727	2.0	16.67	0	88.3	59	140				
Aldrin	14.597	1.0	16.67	0	87.6	81	130				
Dieldrin	14.164	2.0	16.67	0	85.0	78	124				
Endrin	15.034	2.0	16.67	0	90.2	90	145				
gamma-BHC	14.357	1.0	16.67	0	86.1	82	128				
Heptachlor	15.129	1.0	16.67	0	90.8	72	145				
Surr: Tetrachloro-m-xylene	12.185		16.67		73.1	62	114				
Surr: Decachlorobiphenyl	12.776		16.67		76.6	41	137				

Sample ID: **085963-008AMS** SampType: **MS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **8/11/2006** RunNo: **66575**
Client ID: **I5NB-LYM-HA328-1.** Batch ID: **29710** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **8/11/2006** SeqNo: **990431**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	18.621	2.0	16.67	0	112	39	159				
Aldrin	17.357	1.0	16.67	0	104	65	140				
Dieldrin	17.855	2.0	16.67	0	107	48	158				
Endrin	18.863	2.0	16.67	0	113	75	170				
gamma-BHC	17.089	1.0	16.67	0	103	59	145				
Heptachlor	17.821	1.0	16.67	0	107	61	156				
Surr: Tetrachloro-m-xylene	12.842		16.67		77.0	62	114				
Surr: Decachlorobiphenyl	15.225		16.67		91.3	41	137				

Sample ID: **085963-008AMSD** SampType: **MSD** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **8/11/2006** RunNo: **66575**
Client ID: **I5NB-LYM-HA328-1.** Batch ID: **29710** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **8/11/2006** SeqNo: **990432**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	18.326	2.0	16.67	0	110	39	159	18.62	1.60	30	
Aldrin	16.670	1.0	16.67	0	100	65	140	17.36	4.04	30	
Dieldrin	17.363	2.0	16.67	0	104	48	158	17.86	2.80	30	
Endrin	18.340	2.0	16.67	0	110	75	170	18.86	2.81	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Ninyo & Moore
Work Order: 085963
Project: I-5 EXPANSION/CALTRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **085963-008AMSD** SampType: **MSD** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **8/11/2006** RunNo: **66575**
Client ID: **I5NB-LYM-HA328-1.** Batch ID: **29710** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **8/11/2006** SeqNo: **990432**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
gamma-BHC	16.520	1.0	16.67	0	99.1	59	145	17.09	3.39	30	
Heptachlor	17.161	1.0	16.67	0	103	61	156	17.82	3.77	30	
Surr: Tetrachloro-m-xylene	12.203		16.67		73.2	62	114		0	30	
Surr: Decachlorobiphenyl	14.759		16.67		88.5	41	137		0	30	

Sample ID: **085963-002A** SampType: **DUP** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **8/11/2006** RunNo: **66575**
Client ID: **I5NB-LYM-HA322-1.** Batch ID: **29710** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **8/11/2006** SeqNo: **990884**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	0.825	2.0						0.7180	0	30	
4,4´-DDE	23.348	2.0						21.71	7.26	30	
4,4´-DDT	4.468	2.0						4.064	9.45	30	
Aldrin	ND	1.0						0	0	30	
alpha-BHC	ND	1.0						0	0	30	
alpha-Chlordane	0.513	1.0						0	0	30	
beta-BHC	ND	1.0						0	0	30	
Chlordane	ND	8.5						0	0	30	
delta-BHC	ND	1.0						0	0	30	
Dieldrin	0.571	2.0						0.6368	0	30	
Endosulfan I	ND	1.0						0	0	30	
Endosulfan II	ND	2.0						0	0	30	
Endosulfan sulfate	ND	2.0						0	0	30	
Endrin	ND	2.0						0	0	30	
Endrin aldehyde	ND	2.0						0	0	30	
Endrin ketone	ND	2.0						0	0	30	
gamma-BHC	ND	1.0						0	0	30	
gamma-Chlordane	0.554	1.0						0.5437	0	30	
Heptachlor	ND	1.0						0	0	30	
Heptachlor epoxide	ND	1.0						0	0	30	
Methoxychlor	ND	8.5						0	0	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Ninyo & Moore
Work Order: 085963
Project: I-5 EXPANSION/CALTRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **085963-002A** SampType: **DUP** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **8/11/2006** RunNo: **66575**
Client ID: **I5NB-LYM-HA322-1.** Batch ID: **29710** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **8/11/2006** SeqNo: **990884**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toxaphene	ND	85						0	0	30	
Surr: Tetrachloro-m-xylene	14.611		16.67		87.6	62	114		0	0	
Surr: Decachlorobiphenyl	15.458		16.67		92.7	41	137		0	0	

Sample ID: **MB-29710** SampType: **MBLK** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **8/11/2006** RunNo: **66611**
Client ID: **PBS** Batch ID: **29710** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **8/14/2006** SeqNo: **991163**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	2.0									
4,4´-DDE	ND	2.0									
4,4´-DDT	ND	2.0									
Aldrin	ND	1.0									
alpha-BHC	ND	1.0									
alpha-Chlordane	ND	1.0									
beta-BHC	ND	1.0									
Chlordane	ND	8.5									
delta-BHC	ND	1.0									
Dieldrin	ND	2.0									
Endosulfan I	ND	1.0									
Endosulfan II	ND	2.0									
Endosulfan sulfate	ND	2.0									
Endrin	ND	2.0									
Endrin aldehyde	ND	2.0									
Endrin ketone	ND	2.0									
gamma-BHC	ND	1.0									
gamma-Chlordane	ND	1.0									
Heptachlor	ND	1.0									
Heptachlor epoxide	ND	1.0									
Methoxychlor	ND	8.5									
Toxaphene	ND	85									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
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CLIENT: Ninyo & Moore
Work Order: 085963
Project: I-5 EXPANSION/CALTRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **MB-29710** SampType: **MBLK** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **8/11/2006** RunNo: **66611**
Client ID: **PBS** Batch ID: **29710** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **8/14/2006** SeqNo: **991163**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Tetrachloro-m-xylene	12.126		16.67		72.7	62	114				
Surr: Decachlorobiphenyl	12.773		16.67		76.6	41	137				

Sample ID: **LCS-29710** SampType: **LCS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **8/11/2006** RunNo: **66611**
Client ID: **LCSS** Batch ID: **29710** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **8/14/2006** SeqNo: **991164**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	15.026	2.0	16.67	0	90.1	59	140				
Aldrin	17.101	1.0	16.67	0	103	81	130				
Dieldrin	16.158	2.0	16.67	0	96.9	78	124				
Endrin	20.787	2.0	16.67	0	125	90	145				
gamma-BHC	16.901	1.0	16.67	0	101	82	128				
Heptachlor	19.889	1.0	16.67	0	119	72	145				
Surr: Tetrachloro-m-xylene	14.350		16.67		86.1	62	114				
Surr: Decachlorobiphenyl	14.210		16.67		85.2	41	137				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
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CLIENT: Ninyo & Moore
Work Order: 085963
Project: I-5 EXPANSION/CALTRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_W

Sample ID: **MB-29680** SampType: **MBLK** TestCode: **8081_W** Units: **µg/L** Prep Date: **8/10/2006** RunNo: **66500**
Client ID: **PBW** Batch ID: **29680** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **8/10/2006** SeqNo: **989076**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	0.050									
4,4´-DDE	ND	0.050									
4,4´-DDT	ND	0.050									
Aldrin	ND	0.025									
alpha-BHC	ND	0.025									
alpha-Chlordane	ND	0.025									
beta-BHC	ND	0.025									
Chlordane	ND	0.25									
delta-BHC	ND	0.025									
Dieldrin	ND	0.050									
Endosulfan I	ND	0.025									
Endosulfan II	ND	0.050									
Endosulfan sulfate	ND	0.050									
Endrin	ND	0.050									
Endrin aldehyde	ND	0.050									
Endrin ketone	ND	0.050									
gamma-BHC	ND	0.025									
gamma-Chlordane	ND	0.025									
Heptachlor	ND	0.025									
Heptachlor epoxide	ND	0.025									
Methoxychlor	ND	0.25									
Toxaphene	ND	2.5									
Surr: Tetrachloro-m-xylene	0.424		0.5000		84.9	50	116				
Surr: Decachlorobiphenyl	0.394		0.5000		78.8	32	107				

Sample ID: **LCS-29680** SampType: **LCS** TestCode: **8081_W** Units: **µg/L** Prep Date: **8/10/2006** RunNo: **66500**
Client ID: **LCSW** Batch ID: **29680** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **8/10/2006** SeqNo: **989077**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	0.522	0.050	0.5000	0	104	61	129				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Ninyo & Moore
Work Order: 085963
Project: I-5 EXPANSION/CALTRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_W

Sample ID: **LCS-29680** SampType: **LCS** TestCode: **8081_W** Units: **µg/L** Prep Date: **8/10/2006** RunNo: **66500**
Client ID: **LCSW** Batch ID: **29680** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **8/10/2006** SeqNo: **989077**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aldrin	0.539	0.025	0.5000	0	108	73	126				
Dieldrin	0.512	0.050	0.5000	0	102	72	123				
Endrin	0.536	0.050	0.5000	0	107	84	137				
gamma-BHC	0.528	0.025	0.5000	0	106	75	129				
Heptachlor	0.551	0.025	0.5000	0	110	64	145				
Surr: Tetrachloro-m-xylene	0.424		0.5000		84.7	50	116				
Surr: Decachlorobiphenyl	0.375		0.5000		75.0	32	107				

Sample ID: **MB-29680MS** SampType: **MS** TestCode: **8081_W** Units: **µg/L** Prep Date: **8/10/2006** RunNo: **66500**
Client ID: **ZZZZZZ** Batch ID: **29680** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **8/10/2006** SeqNo: **989079**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	0.535	0.050	0.5000	0	107	61	129				
Aldrin	0.545	0.025	0.5000	0	109	73	126				
Dieldrin	0.518	0.050	0.5000	0	104	72	123				
Endrin	0.564	0.050	0.5000	0	113	84	137				
gamma-BHC	0.532	0.025	0.5000	0	106	75	129				
Heptachlor	0.558	0.025	0.5000	0	112	64	145				
Surr: Tetrachloro-m-xylene	0.415		0.5000		83.0	50	116				
Surr: Decachlorobiphenyl	0.402		0.5000		80.4	32	107				

Sample ID: **MB-29680MSD** SampType: **MSD** TestCode: **8081_W** Units: **µg/L** Prep Date: **8/10/2006** RunNo: **66500**
Client ID: **ZZZZZZ** Batch ID: **29680** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **8/10/2006** SeqNo: **989080**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	0.546	0.050	0.5000	0	109	61	129	0.5353	1.92	30	
Aldrin	0.565	0.025	0.5000	0	113	73	126	0.5448	3.70	30	
Dieldrin	0.534	0.050	0.5000	0	107	72	123	0.5185	2.90	30	
Endrin	0.557	0.050	0.5000	0	111	84	137	0.5642	1.26	30	
gamma-BHC	0.552	0.025	0.5000	0	110	75	129	0.5325	3.63	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 085963
Project: I-5 EXPANSION/CALTRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_W

Sample ID: **MB-29680MSD** SampType: **MSD** TestCode: **8081_W** Units: **µg/L** Prep Date: **8/10/2006** RunNo: **66500**
Client ID: **ZZZZZZ** Batch ID: **29680** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **8/10/2006** SeqNo: **989080**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Heptachlor	0.577	0.025	0.5000	0	115	64	145	0.5583	3.36	30	
Surr: Tetrachloro-m-xylene	0.426		0.5000		85.2	50	116		0	30	
Surr: Decachlorobiphenyl	0.406		0.5000		81.2	32	107		0	30	

Sample ID: **MB-29680** SampType: **MBLK** TestCode: **8081_W** Units: **µg/L** Prep Date: **8/10/2006** RunNo: **66500**
Client ID: **PBW** Batch ID: **29680** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **8/11/2006** SeqNo: **990839**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	0.050									
4,4´-DDE	ND	0.050									
4,4´-DDT	ND	0.050									
Aldrin	ND	0.025									
alpha-BHC	ND	0.025									
alpha-Chlordane	ND	0.025									
beta-BHC	ND	0.025									
Chlordane	ND	0.25									
delta-BHC	ND	0.025									
Dieldrin	ND	0.050									
Endosulfan I	ND	0.025									
Endosulfan II	ND	0.050									
Endosulfan sulfate	ND	0.050									
Endrin	ND	0.050									
Endrin aldehyde	ND	0.050									
Endrin ketone	ND	0.050									
gamma-BHC	ND	0.025									
gamma-Chlordane	ND	0.025									
Heptachlor	ND	0.025									
Heptachlor epoxide	ND	0.025									
Methoxychlor	ND	0.25									
Toxaphene	ND	2.5									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
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CLIENT: Ninyo & Moore
Work Order: 085963
Project: I-5 EXPANSION/CALTRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_W

Sample ID: **MB-29680** SampType: **MBLK** TestCode: **8081_W** Units: **µg/L** Prep Date: **8/10/2006** RunNo: **66500**
Client ID: **PBW** Batch ID: **29680** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **8/11/2006** SeqNo: **990839**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Tetrachloro-m-xylene	0.411		0.5000		82.2	50	116				
Surr: Decachlorobiphenyl	0.396		0.5000		79.2	32	107				

Sample ID: **LCS-29680** SampType: **LCS** TestCode: **8081_W** Units: **µg/L** Prep Date: **8/10/2006** RunNo: **66500**
Client ID: **LCSW** Batch ID: **29680** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **8/11/2006** SeqNo: **990840**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	0.532	0.050	0.5000	0	106	61	129				
Aldrin	0.535	0.025	0.5000	0	107	73	126				
Dieldrin	0.515	0.050	0.5000	0	103	72	123				
Endrin	0.539	0.050	0.5000	0	108	84	137				
gamma-BHC	0.525	0.025	0.5000	0	105	75	129				
Heptachlor	0.546	0.025	0.5000	0	109	64	145				
Surr: Tetrachloro-m-xylene	0.418		0.5000		83.7	50	116				
Surr: Decachlorobiphenyl	0.383		0.5000		76.6	32	107				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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D-TEK Analytical Laboratories, Inc.
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ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	**8/18/06**
Sampling Date:	**8/3/06**
Date Sample Received:	**8/10/06**
Date Extracted:	**8/10/06**
Date Analyzed:	**August 15 and 17, 2006**
Analyzed By:	**EA**
Method:	**EPA 8141A**
Sample Type:	**Soil and Water**
Sample Log Number:	**06-5370 to 06-5380**

The sample(s) were analyzed with EPA methodology or equivalent methods as specified on the attached "Analyses Results" report. The symbol for "less than" indicates a value below the reportable detection limit.

The results of these analyses and the quality control data are enclosed.

Ellen Atienza
Operations Manager

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Signal Hill, CA 90807

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Date of Report:	**8/18/06**
Sampling Date:	**8/3/06**
Date Sample Received:	**8/10/06**
Date Extracted:	**8/10/06**
Date Analyzed:	**August 15, 2006**
Analyzed By:	**EA**
Sample Type:	**Soil**
Method:	**EPA 8141A**
Units:	**µg/kg**

ANALYSES RESULTS

Analysis	**Detection Limit**	**Log Number:**	**06-5370**	**06-5371**
		Sample ID:	**085963-001B**	**085963-002B**
			15NB-LYM-HA321-1.5	**15NB-LYM-HA322-1.0**
Azinphos Methyl	5.0		<DL	<DL
Bolstar	5.0		<DL	<DL
Coumaphos	5.0		<DL	<DL
Demeton	5.0		<DL	<DL
Diazinon	5.0		<DL	<DL
Dichlorvos	5.0		<DL	<DL
Disulfoton	5.0		<DL	<DL
Dursban (Chlorpyrifos)	5.0		<DL	<DL
Ethoprop	5.0		<DL	<DL
Fensulfothion	10.0		<DL	<DL
Fenthion	5.0		<DL	<DL
Gardona (Stirophos)	5.0		<DL	<DL
Malathion	5.0		<DL	<DL
Merphos	5.0		<DL	<DL
Methyl Parathion	5.0		<DL	<DL
Mevinphos	5.0		<DL	<DL
Naled	5.0		<DL	<DL
Phorate	5.0		<DL	<DL
Ronnel	5.0		<DL	<DL
Tokuthion	5.0		<DL	<DL
Trichloronate	5.0		<DL	<DL

Ellen Atienza
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Attn: Ms. Rachelle Arada

Date of Report:	8/18/06
Sampling Date:	8/3/06
Date Sample Received:	8/10/06
Date Extracted:	8/10/06
Date Analyzed:	August 15, 2006
Analyzed By:	EA
Sample Type:	Soil
Method:	EPA 8141A
Units:	µg/kg

ANALYSES RESULTS

Analysis	Detection Limit	Log Number:	06-5372	06-5373
		Sample ID:	085963-003B 15NB-LYM-HA323-1.0	085963-004B 15NB-LYM-HA324-0.5
Azinphos Methyl	5.0		<DL	<DL
Bolstar	5.0		<DL	<DL
Coumaphos	5.0		<DL	<DL
Demeton	5.0		<DL	<DL
Diazinon	5.0		<DL	<DL
Dichlorvos	5.0		<DL	<DL
Disulfoton	5.0		<DL	<DL
Dursban (Chlorpyrifos)	5.0		<DL	<DL
Ethoprop	5.0		<DL	<DL
Fensulfothion	10.0		<DL	<DL
Fenthion	5.0		<DL	<DL
Gardona (Stirophos)	5.0		<DL	<DL
Malathion	5.0		<DL	<DL
Merphos	5.0		<DL	<DL
Methyl Parathion	5.0		<DL	<DL
Mevinphos	5.0		<DL	<DL
Naled	5.0		<DL	<DL
Phorate	5.0		<DL	<DL
Ronnel	5.0		<DL	<DL
Tokuthion	5.0		<DL	<DL
Trichloronate	5.0		<DL	<DL

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Attn: Ms. Rachelle Arada

Date of Report:	8/18/06
Sampling Date:	8/3/06
Date Sample Received:	8/10/06
Date Extracted:	8/10/06
Date Analyzed:	August 15, 2006
Analyzed By:	EA
Sample Type:	Soil
Method:	EPA 8141A
Units:	µg/kg

ANALYSES RESULTS

Analysis	Detection Limit	Log Number:	06-5374	06-5375
		Sample ID:	085963-005B 15NB-LYM-HA325-1.0	085963-006B 15NB-LYM-HA326-0.5
Azinphos Methyl	5.0		<DL	<DL
Bolstar	5.0		<DL	<DL
Coumaphos	5.0		<DL	<DL
Demeton	5.0		<DL	<DL
Diazinon	5.0		<DL	<DL
Dichlorvos	5.0		<DL	<DL
Disulfoton	5.0		<DL	<DL
Dursban (Chlorpyrifos)	5.0		<DL	<DL
Ethoprop	5.0		<DL	<DL
Fensulfothion	10.0		<DL	<DL
Fenthion	5.0		<DL	<DL
Gardona (Stirophos)	5.0		<DL	<DL
Malathion	5.0		<DL	<DL
Merphos	5.0		<DL	<DL
Methyl Parathion	5.0		<DL	<DL
Mevinphos	5.0		<DL	<DL
Naled	5.0		<DL	<DL
Phorate	5.0		<DL	<DL
Ronnel	5.0		<DL	<DL
Tokuthion	5.0		<DL	<DL
Trichloronate	5.0		<DL	<DL

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Date of Report:	**8/18/06**
Sampling Date:	**8/3/06**
Date Sample Received:	**8/10/06**
Date Extracted:	**8/10/06**
Date Analyzed:	**August 15, 2006**
Analyzed By:	**EA**
Sample Type:	**Soil**
Method:	**EPA 8141A**
Units:	**µg/kg**

ANALYSES RESULTS

Analysis	**Detection Limit**	**Log Number:**	**06-5376**	**06-5377**
		Sample ID:	**085963-007B** 15NB-LYM-HA327-1.0	**085963-008B** 15NB-LYM-HA328-1.0
Azinphos Methyl	5.0		<DL	<DL
Bolstar	5.0		<DL	<DL
Coumaphos	5.0		<DL	<DL
Demeton	5.0		<DL	<DL
Diazinon	5.0		<DL	<DL
Dichlorvos	5.0		<DL	<DL
Disulfoton	5.0		<DL	<DL
Dursban (Chlorpyrifos)	5.0		<DL	<DL
Ethoprop	5.0		<DL	<DL
Fensulfothion	10.0		<DL	<DL
Fenthion	5.0		<DL	<DL
Gardona (Stirophos)	5.0		<DL	<DL
Malathion	5.0		<DL	<DL
Merphos	5.0		<DL	<DL
Methyl Parathion	5.0		<DL	<DL
Mevinphos	5.0		<DL	<DL
Naled	5.0		<DL	<DL
Phorate	5.0		<DL	<DL
Ronnel	5.0		<DL	<DL
Tokuthion	5.0		<DL	<DL
Trichloronate	5.0		<DL	<DL

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Attn: Ms. Rachelle Arada

Date of Report:	**8/18/06**
Sampling Date:	**8/3/06**
Date Sample Received:	**8/10/06**
Date Extracted:	**8/10/06**
Date Analyzed:	**August 15, 2006**
Analyzed By:	**EA**
Sample Type:	**Soil**
Method:	**EPA 8141A**
Units:	**µg/kg**

ANALYSES RESULTS

Analysis	**Detection Limit**	**Log Number:**	**06-5378**	**06-5379**
		Sample ID:	**085963-009B**	**085963-010B**
			15NB-LYM-HA329-0.5	**15NB-LYM-HA330-1.0**
Azinphos Methyl	5.0		<DL	<DL
Bolstar	5.0		<DL	<DL
Coumaphos	5.0		<DL	<DL
Demeton	5.0		<DL	<DL
Diazinon	5.0		<DL	<DL
Dichlorvos	5.0		<DL	<DL
Disulfoton	5.0		<DL	<DL
Dursban (Chlorpyrifos)	5.0		<DL	<DL
Ethoprop	5.0		<DL	<DL
Fensulfothion	10.0		<DL	<DL
Fenthion	5.0		<DL	<DL
Gardona (Stirophos)	5.0		<DL	<DL
Malathion	5.0		<DL	<DL
Merphos	5.0		<DL	<DL
Methyl Parathion	5.0		<DL	<DL
Mevinphos	5.0		<DL	<DL
Naled	5.0		<DL	<DL
Phorate	5.0		<DL	<DL
Ronnel	5.0		<DL	<DL
Tokuthion	5.0		<DL	<DL
Trichloronate	5.0		<DL	<DL

Ellen Atienza
Operations Manager

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QUALITY CONTROL DATA REPORT

Date:	**8/18/06**
Attn:	**Ms. Rachelle Arada**
Date Extracted:	**8/10/06**
Date Analyzed:	**August 15, 2006**
Analysis Method:	**EPA 8141A**
Log #:	**06-5370 to 06-5379**

Method Blank

No target analytes were detected in the method blank.

Laboratory Control Sample

Compound	% Recovery	QC Limits	DUP % Recovery	%RPD	RPD Limits
Diazinon	92	40-130	93	1	30
Methyl Parathion	72	40-130	72	0	30
Dursban (Chlorpyrifos)	89	40-130	89	0	30
Gardona (Stirophos)	61	40-130	64	5	30

QUALITY CONTROL TERMINOLOGY

- **LCS - LABORATORY CONTROL SAMPLE.** Reported as % recovery of an independent standard carried through all sample preparation procedures to verify method performance. Acceptable range is based on historical laboratory control data and EPA requirements. Any out-of-control QC data is clearly indicated.
- **Spike**- environmental sample is matrix spiked with method compounds and % recovery of concentration spiked into sample is calculated. Reported as % recovery. Acceptable range for "Normal Matrix Sample" is based on historical laboratory control data. Any out-of-control QC data is clearly indicated.
- **Surrogates**- Compounds representative of a group of compounds. Surrogates are spiked into environmental samples and % recovery of concentration spiked is calculated and reported. Acceptable range varies depending on sample matrix and analysis method. Any out-of-control QC data is clearly indicated.

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SURROGATE RECOVERIES
(Tributylphosphate)

Log #	Percent Recovery:
Method Blank	72
06-5370	62
06-5371	77
06-5372	102
06-5373	98
06-5374	92
06-5375	98
06-5376	126
06-5377	100
06-5378	136
06-5379	135
LCS	80
LCS Dup	84

QC limits: 50 to 170%

Ellen Atienza
Operations Manager

QUALITY CONTROL TERMINOLOGY

- **LCS - LABORATORY CONTROL SAMPLE.** Reported as % recovery of an independent standard carried through all sample preparation procedures to verify method performance. Acceptable range is based on historical laboratory control data and EPA requirements. Any out-of-control QC data is clearly indicated.
- **Spike-** environmental sample is matrix spiked with method compounds and % recovery of concentration spiked into sample is calculated. Reported as % recovery. Acceptable range for "Normal Matrix Sample" is based on historical laboratory control data. Any out-of-control QC data is clearly indicated.
- **Surrogates-** Compounds representative of a group of compounds. Surrogates are spiked into environmental samples and % recovery of concentration spiked is calculated and reported. Acceptable range varies depending on sample matrix and analysis method. Any out-of-control QC data is clearly indicated.

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Attn: Ms. Rachelle Arada

Date of Report:	**8/18/06**
Sampling Date:	**8/3/06**
Date Sample Received:	**8/10/06**
Date Extracted:	**8/10/06**
Date Analyzed:	**August 17, 2006**
Analyzed By:	**EA**
Sample Type:	**Water**
Method:	**EPA 8141A**
Unit:	**µg/l**

ANALYSES RESULTS

Analysis	**Detection Limit**	**Log Number:**	**06-5380**
		Sample ID:	**085693-012A HA-Equip-02**
Azinphos Methyl	1.5		<DL
Bolstar	0.15		<DL
Coumaphos	1.5		<DL
Demeton	0.25		<DL
Diazinon	0.1		<DL
Dichlorvos	0.1		<DL
Disulfoton	0.2		<DL
Dursban (Chlorpyrifos)	0.1		<DL
Ethoprop	0.25		<DL
Fensulfothion	2.5		<DL
Fenthion	0.1		<DL
Gardona (Stirophos)	0.5		<DL
Malathion	0.1		<DL
Merphos	0.25		<DL
Methyl Parathion	0.1		<DL
Mevinphos	0.3		<DL
Naled	0.1		<DL
Phorate	0.15		<DL
Ronnel	0.3		<DL
Tokuthion	0.5		<DL
Trichloronate	0.15		<DL

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QUALITY CONTROL DATA REPORT

Date:	**8/18/06**
Attn:	**Ms. Rachelle Arada**
Date Extracted:	**8/10/06**
Date Analyzed:	**August 17, 2006**
Analysis Method:	**EPA 8141A**
Log #:	**06-5380**

Method Blank

No target analytes were detected in the method blank.

Laboratory Control Sample

Compound	% Recovery	QC Limits	DUP % Recovery	%RPD	RPD Limits
Diazinon	115	40-130	125	8	30
Methyl Parathion	115	40-130	115	0	30
Dursban (Chlorpyrifos)	98	40-130	113	14	30
Gardona (Stirophos)	106	40-130	111	5	30

SURROGATE RECOVERIES
(Tributylphosphate)

Log #	Percent Recovery:
Method Blank	92
06-5380	92
LCS	80
LCS Dup	98

QC limits: 50 to 170%

Ellen Atienza
Operations Manager

QUALITY CONTROL TERMINOLOGY

- **LCS - LABORATORY CONTROL SAMPLE.** Reported as % recovery of an independent standard carried through all sample preparation procedures to verify method performance. Acceptable range is based on historical laboratory control data and EPA requirements. Any out-of-control QC data is clearly indicated.
- **Spike**- environmental sample is matrix spiked with method compounds and % recovery of concentration spiked into sample is calculated. Reported as % recovery. Acceptable range for "Normal Matrix Sample" is based on historical laboratory control data. Any out-of-control QC data is clearly indicated.
- **Surrogates**- Compounds representative of a group of compounds. Surrogates are spiked into environmental samples and % recovery of concentration spiked is calculated and reported. Acceptable range varies depending on sample matrix and analysis method. Any out-of-control QC data is clearly indicated.

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755-5225
TEL: *5629894045* FAX: *5629894040*

CHAIN-OF-CUSTODY RECORD

QC Level: CT

Subcontractor:
D-Tek
9020 Kenamar Drive, Suite 205
San Diego, CA 92121

TEL: (858) 566-4540
FAX: (858) 566-4542
Acct #:

08-Aug-06

Sample ID	Matrix	Date Collected	Bottle Type	EPA 8141A	Requested Tests
085963-001B / I5NB-LYM-HA321-1.5	Soil	8/3/2006 11:25:00 AM	4OZG	1	06-5370
085963-002B / I5NB-LYM-HA322-1.0	Soil	8/3/2006 11:35:00 AM	4OZG	1	06-5371
085963-003B / I5NB-LYM-HA323-1.0	Soil	8/3/2006 11:50:00 AM	4OZG	1	06-5372
085963-004B / I5NB-LYM-HA324-0.5	Soil	8/3/2006 12:08:00 PM	4OZG	1	06-5373
085963-005B / I5NB-LYM-HA325-1.0	Soil	8/3/2006 12:22:00 PM	4OZG	1	06-5374
085963-006B / I5NB-LYM-HA326-0.5	Soil	8/3/2006 2:26:00 PM	4OZG	1	06-5375
085963-007B / I5NB-LYM-HA327-1.0	Soil	8/3/2006 2:36:00 PM	4OZG	1	06-5376
085963-008B / I5NB-LYM-HA328-1.0	Soil	8/3/2006 2:47:00 PM	4OZG	1	06-5377
085963-009B / I5NB-LYM-HA329-0.5	Soil	8/3/2006 2:55:00 PM	4OZG	1	06-5378
085963-010B / I5NB-LYM-HA330-1.0	Soil	8/3/2006 3:00:00 PM	4OZG	1	06-5379
085963-012A / HA-Equip-02	Water	8/3/2006 3:24:00 PM	32OZA	1	06-5380

General Comments: Please use PO#: SC0083 Please fax results Normal TAT

Please send report to Rachelle Arada.

	Date/Time		Date/Time
Relinquished by:	8/4/06 8:37	Received by:	8/10/06 0800
Relinquished by:		Received by:	

Advanced Technology Labs	Project:	NA	
3275 Walnut Avenue	Project Number:	PO# SC00854	**Reported:**
Signal Hill CA, 90755	Project Manager:	Rachelle Arada	08/21/06 10:54

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
085963-001C / 15NB-LYM-HA321-1.5	0608210-01	Soil	08/03/06 11:25	08/10/06 10:00
085963-002C / 15NB-LYM-HA322-1.0	0608210-02	Soil	08/03/06 11:35	08/10/06 10:00
085963-003C / 15NB-LYM-HA323-1.0	0608210-03	Soil	08/03/06 11:50	08/10/06 10:00
085963-004C / 15NB-LYM-HA324-0.5	0608210-04	Soil	08/03/06 12:08	08/10/06 10:00
085963-005C / 15NB-LYM-HA325-1.0	0608210-05	Soil	08/03/06 12:22	08/10/06 10:00
085963-006C / 15NB-LYM-HA326-0.5	0608210-06	Soil	08/03/06 14:26	08/10/06 10:00
085963-007C / 15NB-LYM-HA327-1.0	0608210-07	Soil	08/03/06 14:36	08/10/06 10:00
085963-008C / 15NB-LYM-HA328-1.0	0608210-08	Soil	08/03/06 14:47	08/10/06 10:00
085963-009C / 15NB-LYM-HA329-0.5	0608210-09	Soil	08/03/06 14:55	08/10/06 10:00
085963-010C / 15NB-LYM-HA330-1.0	0608210-10	Soil	08/03/06 15:00	08/10/06 10:00
085963-013A / HA-Equip-03	0608210-11	Liquid	08/03/06 15:26	08/10/06 10:00

CASE NARRATIVE

SAMPLE RECEIPT:	Samples were received intact, at 4 °C, and accompanied by chain of custody documentation.
PRESERVATION:	Samples requiring preservation were verified prior to sample preparation and analysis.
HOLDING TIMES:	All holding times were met, unless otherwise noted in the report with data qualifiers.
QA/QC CRITERIA:	All quality objective criteria were met, except as noted in the report with data qualifiers.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653
TELEPHONE: (949) 348-9389 FAX: (949) 348-9115
E-MAIL: SIERRALABS @ SIERRALABS.NET

Advanced Technology Labs	Project: NA	
3275 Walnut Avenue	Project Number: PO# SC00854	**Reported:**
Signal Hill CA, 90755	Project Manager: Rachelle Arada	08/21/06 10:54

Chlorinated Herbicides by EPA Method 8151A

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
085963-001C / 15NB-LYM-HA321-1.5 (0608210-01) Soil Sampled: 08/03/06 11:25 Received: 08/10/06 10:00									
2,4,5-T	ND	1.6	µg/kg	1	B6H1505	08/15/06	08/15/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*66.2 %*	*35-150*		"	"	"	"	
085963-002C / 15NB-LYM-HA322-1.0 (0608210-02) Soil Sampled: 08/03/06 11:35 Received: 08/10/06 10:00									
2,4,5-T	ND	1.6	µg/kg	1	B6H1505	08/15/06	08/15/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*58.7 %*	*35-150*		"	"	"	"	

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Advanced Technology Labs	Project: NA	
3275 Walnut Avenue	Project Number: PO# SC00854	**Reported:**
Signal Hill CA, 90755	Project Manager: Rachelle Arada	08/21/06 10:54

Chlorinated Herbicides by EPA Method 8151A

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
085963-003C / 15NB-LYM-HA323-1.0 (0608210-03) Soil Sampled: 08/03/06 11:50 Received: 08/10/06 10:00									
2,4,5-T	ND	1.6	µg/kg	1	B6H1505	08/15/06	08/15/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*60.3 %*	*35-150*		"	"	"	"	
085963-004C / 15NB-LYM-HA324-0.5 (0608210-04) Soil Sampled: 08/03/06 12:08 Received: 08/10/06 10:00									
2,4,5-T	ND	1.6	µg/kg	1	B6H1505	08/15/06	08/15/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*72.9 %*	*35-150*		"	"	"	"	

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Advanced Technology Labs	Project:	NA	
3275 Walnut Avenue	Project Number:	PO# SC00854	**Reported:**
Signal Hill CA, 90755	Project Manager:	Rachelle Arada	08/21/06 10:54

Chlorinated Herbicides by EPA Method 8151A

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
085963-005C / 15NB-LYM-HA325-1.0 (0608210-05) Soil Sampled: 08/03/06 12:22 Received: 08/10/06 10:00									
2,4,5-T	ND	1.6	µg/kg	1	B6H1505	08/15/06	08/15/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*68.9 %*	*35-150*		"	"	"	"	
085963-006C / 15NB-LYM-HA326-0.5 (0608210-06) Soil Sampled: 08/03/06 14:26 Received: 08/10/06 10:00									
2,4,5-T	ND	1.6	µg/kg	1	B6H1505	08/15/06	08/15/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*70.2 %*	*35-150*		"	"	"	"	

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Advanced Technology Labs	Project: NA	
3275 Walnut Avenue	Project Number: PO# SC00854	**Reported:**
Signal Hill CA, 90755	Project Manager: Rachelle Arada	08/21/06 10:54

Chlorinated Herbicides by EPA Method 8151A

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
085963-007C / 15NB-LYM-HA327-1.0 (0608210-07) Soil Sampled: 08/03/06 14:36 Received: 08/10/06 10:00									
2,4,5-T	ND	1.6	µg/kg	1	B6H1505	08/15/06	08/15/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*64.5 %*	*35-150*		*"*	*"*	*"*	*"*	
085963-008C / 15NB-LYM-HA328-1.0 (0608210-08) Soil Sampled: 08/03/06 14:47 Received: 08/10/06 10:00									
2,4,5-T	ND	1.6	µg/kg	1	B6H1505	08/15/06	08/15/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*67.8 %*	*35-150*		*"*	*"*	*"*	*"*	

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Advanced Technology Labs	Project: NA	
3275 Walnut Avenue	Project Number: PO# SC00854	**Reported:**
Signal Hill CA, 90755	Project Manager: Rachelle Arada	08/21/06 10:54

Chlorinated Herbicides by EPA Method 8151A

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
085963-009C / 15NB-LYM-HA329-0.5 (0608210-09) Soil Sampled: 08/03/06 14:55 Received: 08/10/06 10:00									
2,4,5-T	ND	1.6	µg/kg	1	B6H1505	08/15/06	08/15/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*54.1 %*	*35-150*		"	"	"	"	
085963-010C / 15NB-LYM-HA330-1.0 (0608210-10) Soil Sampled: 08/03/06 15:00 Received: 08/10/06 10:00									
2,4,5-T	ND	1.6	µg/kg	1	B6H1505	08/15/06	08/15/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*59.9 %*	*35-150*		"	"	"	"	

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Advanced Technology Labs	Project:	NA	
3275 Walnut Avenue	Project Number:	PO# SC00854	**Reported:**
Signal Hill CA, 90755	Project Manager:	Rachelle Arada	08/21/06 10:54

Chlorinated Herbicides by EPA Method 8151A

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
085963-013A / HA-Equip-03 (0608210-11) Liquid	**Sampled: 08/03/06 15:26**		**Received: 08/10/06 10:00**						**H-01**
2,4,5-T	ND	0.080	µg/L	1	B6H1408	08/11/06	08/11/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	0.080	"	"	"	"	"	"	
2,4-D	ND	0.080	"	"	"	"	"	"	
2,4-DB	ND	0.20	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	0.10	"	"	"	"	"	"	
4-Nitrophenol	ND	0.10	"	"	"	"	"	"	
Acifluorfen	ND	0.080	"	"	"	"	"	"	
Bentazon	ND	0.080	"	"	"	"	"	"	
Chloramben	ND	0.080	"	"	"	"	"	"	
Dalapon	ND	1.0	"	"	"	"	"	"	
DCPA diacid	ND	0.080	"	"	"	"	"	"	
Dicamba	ND	0.080	"	"	"	"	"	"	
Dichlorprop	ND	0.080	"	"	"	"	"	"	
Dinoseb	ND	0.080	"	"	"	"	"	"	
Pentachlorophenol	ND	0.080	"	"	"	"	"	"	
Picloram	ND	0.080	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*54.2 %*	*35-150*		*"*	*"*	*"*	*"*	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Labs	Project:	NA	
3275 Walnut Avenue	Project Number:	PO# SC00854	**Reported:**
Signal Hill CA, 90755	Project Manager:	Rachelle Arada	08/21/06 10:54

Chlorinated Herbicides by EPA Method 8151A - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6H1408 - EPA 8151A Herbicides										
Blank (B6H1408-BLK1)				Prepared & Analyzed: 08/11/06						
2,4,5-T	ND	0.080	µg/L							
2,4,5-TP (Silvex)	ND	0.080	"							
2,4-D	ND	0.080	"							
2,4-DB	ND	0.20	"							
3,5-Dichlorobenzoic acid	ND	0.10	"							
4-Nitrophenol	ND	0.10	"							
Acifluorfen	ND	0.080	"							
Bentazon	ND	0.080	"							
Chloramben	ND	0.080	"							
Dalapon	ND	1.0	"							
DCPA diacid	ND	0.080	"							
Dicamba	ND	0.080	"							
Dichlorprop	ND	0.080	"							
Dinoseb	ND	0.080	"							
Pentachlorophenol	ND	0.080	"							
Picloram	ND	0.080	"							
Surrogate: 2,4-Dichlorophenylacetic Acid	*2.83*		*"*	*5.00*		*56.6*	*35-150*			
LCS (B6H1408-BS1)				Prepared & Analyzed: 08/11/06						
2,4,5-T	0.295	0.080	µg/L	0.500		59.0	20-150			
2,4,5-TP (Silvex)	0.506	0.080	"	0.500		101	20-150			
Dichlorprop	0.393	0.080	"	0.500		78.6	20-150			
Dinoseb	0.166	0.080	"	0.500		33.2	20-150			
Matrix Spike (B6H1408-MS1)		**Source: 0608211-16**		Prepared & Analyzed: 08/11/06						
2,4,5-T	0.410	0.080	µg/L	0.500	ND	82.0	20-150			
2,4,5-TP (Silvex)	0.614	0.080	"	0.500	ND	123	20-150			
Dichlorprop	0.543	0.080	"	0.500	ND	109	20-150			
Dinoseb	0.243	0.080	"	0.500	ND	48.6	20-150			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653
TELEPHONE: (949) 348-9389 FAX: (949) 348-9115
E-MAIL: SIERRALABS @ SIERRALABS.NET

Advanced Technology Labs	Project: NA	
3275 Walnut Avenue	Project Number: PO# SC00854	**Reported:**
Signal Hill CA, 90755	Project Manager: Rachelle Arada	08/21/06 10:54

Chlorinated Herbicides by EPA Method 8151A - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6H1408 - EPA 8151A Herbicides										
Matrix Spike Dup (B6H1408-MSD1)		**Source: 0608211-16**		Prepared & Analyzed: 08/11/06						
2,4,5-T	0.372	0.080	µg/L	0.500	ND	74.4	20-150	9.72	30	
2,4,5-TP (Silvex)	0.477	0.080	"	0.500	ND	95.4	20-150	25.1	30	
Dichlorprop	0.487	0.080	"	0.500	ND	97.4	20-150	10.9	30	
Dinoseb	0.194	0.080	"	0.500	ND	38.8	20-150	22.4	30	
Batch B6H1505 - EPA 8151A Herbicides										
Blank (B6H1505-BLK1)				Prepared & Analyzed: 08/15/06						
2,4,5-T	ND	1.6	µg/kg							
2,4,5-TP (Silvex)	ND	1.6	"							
2,4-D	ND	1.6	"							
2,4-DB	ND	4.0	"							
3,5-Dichlorobenzoic acid	ND	2.0	"							
4-Nitrophenol	ND	2.0	"							
Acifluorfen	ND	1.6	"							
Bentazon	ND	1.6	"							
Chloramben	ND	1.6	"							
Dalapon	ND	20	"							
DCPA diacid	ND	1.6	"							
Dicamba	ND	1.6	"							
Dichlorprop	ND	1.6	"							
Dinoseb	ND	1.6	"							
Pentachlorophenol	ND	1.6	"							
Picloram	ND	1.6	"							
Surrogate: 2,4-Dichlorophenylacetic Acid	*60.1*		*"*	*100*		*60.1*	*35-150*			
LCS (B6H1505-BS1)				Prepared & Analyzed: 08/15/06						
2,4,5-T	9.25	1.6	µg/kg	10.0		92.5	20-150			
2,4,5-TP (Silvex)	14.6	1.6	"	10.0		146	20-150			
Dichlorprop	11.4	1.6	"	10.0		114	20-150			
Dinoseb	9.23	1.6	"	10.0		92.3	20-150			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Labs	Project:	NA	
3275 Walnut Avenue	Project Number:	PO# SC00854	**Reported:**
Signal Hill CA, 90755	Project Manager:	Rachelle Arada	08/21/06 10:54

Chlorinated Herbicides by EPA Method 8151A - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6H1505 - EPA 8151A Herbicides										
Matrix Spike (B6H1505-MS1)		**Source: 0608210-01**		Prepared & Analyzed: 08/15/06						
2,4,5-T	8.54	1.6	µg/kg	10.0	ND	85.4	20-150			
2,4,5-TP (Silvex)	14.1	1.6	"	10.0	ND	141	20-150			
Dichlorprop	11.1	1.6	"	10.0	ND	111	20-150			
Dinoseb	8.43	1.6	"	10.0	ND	84.3	20-150			
Matrix Spike Dup (B6H1505-MSD1)		**Source: 0608210-01**		Prepared & Analyzed: 08/15/06						
2,4,5-T	11.3	1.6	µg/kg	10.0	ND	113	20-150	27.8	30	
2,4,5-TP (Silvex)	14.4	1.6	"	10.0	ND	144	20-150	2.11	30	
Dichlorprop	13.2	1.6	"	10.0	ND	132	20-150	17.3	30	
Dinoseb	10.7	1.6	"	10.0	ND	107	20-150	23.7	30	

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26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653
TELEPHONE: (949) 348-9389 FAX: (949) 348-9115
E-MAIL: SIERRALABS @ SIERRALABS.NET

Notes and Definitions

H-01	Sample received without sufficient time to complete analysis within recommended holding time.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755-5225
TEL: *5629894045* FAX: *5629894040*

CHAIN-OF-CUSTODY RECORD

QC Level: CT

Subcontractor:

Sierra Laboratories
26052 Merit Circle Suite 105
Laguna Hills, CA 92653

TEL: (949) 348-9389
FAX: (949) 348-9115
Acct #:

08-Aug-06

Sample ID		Matrix	Date Collected	Bottle Type	Requested Tests				
					EPA 8151				
085963-001C	/ I5NB-LYM-HA321-1.5	Soil	8/3/2006 11:25:00 AM	4OZG	1				
085963-002C	/ I5NB-LYM-HA322-1.0	Soil	8/3/2006 11:35:00 AM	4OZG	1				
085963-003C	/ I5NB-LYM-HA323-1.0	Soil	8/3/2006 11:50:00 AM	4OZG	1				
085963-004C	/ I5NB-LYM-HA324-0.5	Soil	8/3/2006 12:08:00 PM	4OZG	1				
085963-005C	/ I5NB-LYM-HA325-1.0	Soil	8/3/2006 12:22:00 PM	4OZG	1				
085963-006C	/ I5NB-LYM-HA326-0.5	Soil	8/3/2006 2:26:00 PM	4OZG	1				
085963-007C	/ I5NB-LYM-HA327-1.0	Soil	8/3/2006 2:36:00 PM	4OZG	1				
085963-008C	/ I5NB-LYM-HA328-1.0	Soil	8/3/2006 2:47:00 PM	4OZG	1				
085963-009C	/ I5NB-LYM-HA329-0.5	Soil	8/3/2006 2:55:00 PM	4OZG	1				
085963-010C	/ I5NB-LYM-HA330-1.0	Soil	8/3/2006 3:00:00 PM	4OZG	1				
085963-013A	/ HA-Equip-03	Water	8/3/2006 3:26:00 PM	32OZA	1				

General Comments: Please use PO#: SC00854 Please fax results Normal TAT

Please send report to Rachelle Arada

		Date/Time		Date/Time
Relinquished by:	[illegible]	8/8/06 8:53	**Received by:**	
Relinquished by:			**Received by:**	

CHAIN OF CUSTODY RECORD

Pg 1 of 2

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: AK Date: 8/7/06

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other:

Sample Condition Upon Receipt:
1. CHILLED 4°C Y☑ N☐ 4. SEALED Y☐ N☑
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☐ N☑

Client: NINYO AND MOORE
Attn: SCOTT SNYDER
Address: 5710 RUFFIN RD
City: SAN DIEGO State: CA Zip Code: 92123
TEL: (858) 576-1000
FAX: (858) 576-9600

Project Name: I-5 EXPANSION / CALTRANS Project #: 1058 12001 Sampler: (Printed Name) ANDREW LASHOMB (Signature)

Relinquished by: (Signature and Printed Name) Andrew Lashomb Date: 8-3-06 Time: 15:15 Received by: (Signature and Printed Name) Date: 8-7-06 Time: 8:30am
Relinquished by: (Signature and Printed Name) Date: 8-7-06 Time: 6:55p Received by: (Signature and Printed Name) Date: 8/7/06 Time: 6:55
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Andrew Lashomb 8-3-06 (Print Name, Date)
Signature

Send Report To: Attn: SCOTT SNYDER Co: NINYO + MOORE Address: 5710 RUFFIN RD City: SD State: CA Zip: 92123

Bill To: Attn: SEE INFO Co: Address: City: State: Zip:

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested: 8081A (Pesticides), 8082 (PCB), 8260B (Volatiles), 8270C (BNA), 6010B (Total Metal), 8015B (GRO) / 8020 (BTEX), 8015B (DRO), 8021 (BTEX), TITLE 22 / CAM 17 (6010 / 7000), 8141, 8151

SPECIFY APPROPRIATE MATRIX: SOIL, WATER, GROUND WATER, WASTEWATER

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	8141	8151	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	085963-001	I5NB-LYM-HA321-1.5	8-3-06	11:25	X									X	X	X				E	1	J	G	C
	2	I5NB-LYM-HA322-1.0		11:35																				
	3	I5NB-LYM-HA323-1.0		11:50																				
	4	I5NB-LYM-HA324-0.5		12:08																				
	5	I5NB-LYM-HA325-1.0		12:22																				
	6	I5NB-LYM-HA326-0.5		14:26																				
	7	I5NB-LYM-HA327-1.0		14:36																				
	8	I5NB-LYM-HA328-1.0		14:47																				
	9	I5NB-LYM-HA329-0.5		14:55																				
	10	I5NB-LYM-HA330-1.0		1500																				

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:
Logged By: Date: 8/7/06

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other:

Sample Condition Upon Receipt: 1. CHILLED Y☐ N☐ 2. HEADSPACE (VOA) Y☐ N☐ 3. CONTAINER INTACT Y☐ N☐ 4. SEALED Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: NINYO + MOORE
Attn: SCOTT SNYDER
Address: 5710 RUFFIN RD
City SAN DIEGO State CA Zip Code 92123
TEL: (858) 576-1000
FAX: (858) 576-9600

Project Name: I-5 EXPANSION / CALTRANS Project #: 105812001 Sampler: (Printed Name) Andrew Lashomb (Signature)

Relinquished by: (Signature and Printed Name) Andrew LASHOMB Date: 8-3-06 Time: 15:28 Received by: (Signature and Printed Name) Date: 8-7-06 Time: 9:13 am
Relinquished by: (Signature and Printed Name) Date: 8-7-06 Time: 6:25 Received by: (Signature and Printed Name) Date: 8/7/06 Time: 6:25
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Andrew Lashomb 8-3-06 (Print Name, Date)
Signature

Send Report To: Attn: SCOTT SNYDER Co: NINYO + MOORE Address 5710 RUFFIN RD City SD State CA Zip 92123

Bill To: Attn: SEE INFO Co: Address City State Zip

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested: 8081A (Pesticides), 8082 (PCB), 8260B (Volatiles), 8270C (BNA), 6010B (Total Metal), 8015B (GRO) / 8020 (BTEX), 8015B (DRO), 8021 (BTEX), TITLE 22 / CAM 17 (6010 / 7000), 8141

SPECIFY APPROPRIATE MATRIX: SOIL, WATER, GROUND WATER, WASTEWATER

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	8141	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	085963-0011	HA-EQUIP-01	8306	15:21	X											X			E	1	LG	C	
	12	HA-EQUIP-02	↓	15:24									X			X			E	1	LG	C	
	13	HA-EQUIP 03	↓	15:26										X		X			E	1	LG	C	

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

Rachelle Arada

From: Scott Snyder [ssnyder@ninyoandmoore.com]
Sent: Wednesday, August 09, 2006 2:38 PM
To: Rachelle Arada
Subject: soil samples

Rachelle,

Please go ahead and analyze all of the soil samples per the chain of custody. This is for the 25 or so soil samples for pest/herb for Caltrans.

Thanks,
Scott

Scott Snyder, PG, HG
Senior Hydrogeologist
Ninyo & Moore
5710 Ruffin Road
San Diego, California 92122
858.576.1000 x1255

August 22, 2006

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 085966

RE: I-5 EXPANSION/CALTRANS, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on August 07, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

for Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *22-Aug-06*

CLIENT: Ninyo & Moore
Project: I-5 EXPANSION/CALTRANS, 105812001
Lab Order: 085966
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
085966-001A	I5NB-GIM-HA331-1.0	Soil	8/4/2006	8/7/2006	8/22/2006
085966-001B	I5NB-GIM-HA331-1.0	Soil	8/4/2006	8/7/2006	8/22/2006
085966-001C	I5NB-GIM-HA331-1.0	Soil	8/4/2006	8/7/2006	8/22/2006
085966-002A	I5NB-GIM-HA332-0.5	Soil	8/4/2006	8/7/2006	8/22/2006
085966-002B	I5NB-GIM-HA332-0.5	Soil	8/4/2006	8/7/2006	8/22/2006
085966-002C	I5NB-GIM-HA332-0.5	Soil	8/4/2006	8/7/2006	8/22/2006
085966-003A	I5NB-GIM-HA333-1.5	Soil	8/4/2006	8/7/2006	8/22/2006
085966-003B	I5NB-GIM-HA333-1.5	Soil	8/4/2006	8/7/2006	8/22/2006
085966-003C	I5NB-GIM-HA333-1.5	Soil	8/4/2006	8/7/2006	8/22/2006
085966-004A	I5NB-GIM-HA334-1.0	Soil	8/4/2006	8/7/2006	8/22/2006
085966-004B	I5NB-GIM-HA334-1.0	Soil	8/4/2006	8/7/2006	8/22/2006
085966-004C	I5NB-GIM-HA334-1.0	Soil	8/4/2006	8/7/2006	8/22/2006
085966-005A	I5NB-GIM-HA335-0.5	Soil	8/4/2006	8/7/2006	8/22/2006
085966-005B	I5NB-GIM-HA335-0.5	Soil	8/4/2006	8/7/2006	8/22/2006
085966-005C	I5NB-GIM-HA335-0.5	Soil	8/4/2006	8/7/2006	8/22/2006
085966-006A	I5NB-GIM-HA336-1.0	Soil	8/4/2006	8/7/2006	8/22/2006
085966-006B	I5NB-GIM-HA336-1.0	Soil	8/4/2006	8/7/2006	8/22/2006
085966-006C	I5NB-GIM-HA336-1.0	Soil	8/4/2006	8/7/2006	8/22/2006
085966-007A	I5NB-GIM-HA337-1.5	Soil	8/4/2006	8/7/2006	8/22/2006
085966-007B	I5NB-GIM-HA337-1.5	Soil	8/4/2006	8/7/2006	8/22/2006
085966-007C	I5NB-GIM-HA337-1.5	Soil	8/4/2006	8/7/2006	8/22/2006
085966-008A	I5NB-GIM-HA338-0.5	Soil	8/4/2006	8/7/2006	8/22/2006
085966-008B	I5NB-GIM-HA338-0.5	Soil	8/4/2006	8/7/2006	8/22/2006
085966-008C	I5NB-GIM-HA338-0.5	Soil	8/4/2006	8/7/2006	8/22/2006
085966-009A	I5NB-GIM-HA339-0.5	Soil	8/4/2006	8/7/2006	8/22/2006
085966-009B	I5NB-GIM-HA339-0.5	Soil	8/4/2006	8/7/2006	8/22/2006
085966-009C	I5NB-GIM-HA339-0.5	Soil	8/4/2006	8/7/2006	8/22/2006
085966-010A	I5NB-GIM-HA340-1.0	Soil	8/4/2006	8/7/2006	8/22/2006
085966-010B	I5NB-GIM-HA340-1.0	Soil	8/4/2006	8/7/2006	8/22/2006

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Project: I-5 EXPANSION/CALTRANS, 105812001
Lab Order: 085966
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
085966-010C	I5NB-GIM-HA340-1.0	Soil	8/4/2006	8/7/2006	8/22/2006
085966-011A	I5NB-GIM-HA341-1.5	Soil	8/4/2006	8/7/2006	8/22/2006
085966-011B	I5NB-GIM-HA341-1.5	Soil	8/4/2006	8/7/2006	8/22/2006
085966-011C	I5NB-GIM-HA341-1.5	Soil	8/4/2006	8/7/2006	8/22/2006
085966-012A	I5NB-GIM-HA342-1.0	Soil	8/4/2006	8/7/2006	8/22/2006
085966-012B	I5NB-GIM-HA342-1.0	Soil	8/4/2006	8/7/2006	8/22/2006
085966-012C	I5NB-GIM-HA342-1.0	Soil	8/4/2006	8/7/2006	8/22/2006
085966-013A	I5NB-GIM-HA343-1.0	Soil	8/4/2006	8/7/2006	8/22/2006
085966-013B	I5NB-GIM-HA343-1.0	Soil	8/4/2006	8/7/2006	8/22/2006
085966-013C	I5NB-GIM-HA343-1.0	Soil	8/4/2006	8/7/2006	8/22/2006
085966-014A	I5NB-GIM-HA344-0.5	Soil	8/4/2006	8/7/2006	8/22/2006
085966-014B	I5NB-GIM-HA344-0.5	Soil	8/4/2006	8/7/2006	8/22/2006
085966-014C	I5NB-GIM-HA344-0.5	Soil	8/4/2006	8/7/2006	8/22/2006
085966-015A	I5NB-GIM-HA345-0.5	Soil	8/4/2006	8/7/2006	8/22/2006
085966-015B	I5NB-GIM-HA345-0.5	Soil	8/4/2006	8/7/2006	8/22/2006
085966-015C	I5NB-GIM-HA345-0.5	Soil	8/4/2006	8/7/2006	8/22/2006
085966-016A	EQUIP-HA01-080406	Water	8/4/2006	8/7/2006	8/22/2006
085966-016B	EQUIP-HA01-080406	Water	8/4/2006	8/7/2006	8/22/2006
085966-016C	EQUIP-HA01-080406	Water	8/4/2006	8/7/2006	8/22/2006
085966-017A	EQUIP-HA02-080406	Water	8/4/2006	8/7/2006	8/22/2006
085966-018A	EQUIP-HA03-080406	Water	8/4/2006	8/7/2006	8/22/2006

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CASE NARRATIVE

The samples for EPA 8141 analysis were subcontracted to D-tek Analytical Laboratories, Inc. with ELAP Cert. 2344.

The samples for EPA 8151 analysis were subcontracted to Sierra Analytical Laboratories, Inc. with ELAP Cert. 2320.

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Advanced Technology Laboratories

Date: *22-Aug-06*

CLIENT: Ninyo & Moore
Lab Order: 085966
Project: I-5 EXPANSION/CALTRANS, 105812001
Lab ID: 085966-001

Client Sample ID: I5NB-GIM-HA331-1.0
Collection Date: 8/4/2006 9:30:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
	EPA 3550B			**EPA 8081A**		
RunID: GC9_060813A	QC Batch: 29738				PrepDate: 8/12/2006	Analyst: **EES**
4,4´-DDD	ND	2.0		µg/Kg	1	8/13/2006
4,4´-DDE	35	2.0		µg/Kg	1	8/13/2006
4,4´-DDT	25	2.0		µg/Kg	1	8/13/2006
Aldrin	ND	1.0		µg/Kg	1	8/13/2006
alpha-BHC	ND	1.0		µg/Kg	1	8/13/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	8/13/2006
beta-BHC	ND	1.0		µg/Kg	1	8/13/2006
Chlordane	ND	8.5		µg/Kg	1	8/13/2006
delta-BHC	ND	1.0		µg/Kg	1	8/13/2006
Dieldrin	ND	2.0		µg/Kg	1	8/13/2006
Endosulfan I	ND	1.0		µg/Kg	1	8/13/2006
Endosulfan II	ND	2.0		µg/Kg	1	8/13/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	8/13/2006
Endrin	ND	2.0		µg/Kg	1	8/13/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	8/13/2006
Endrin ketone	ND	2.0		µg/Kg	1	8/13/2006
gamma-BHC	ND	1.0		µg/Kg	1	8/13/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	8/13/2006
Heptachlor	ND	1.0		µg/Kg	1	8/13/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	8/13/2006
Methoxychlor	ND	8.5		µg/Kg	1	8/13/2006
Toxaphene	ND	85		µg/Kg	1	8/13/2006
Surr: Decachlorobiphenyl	89.8	41-137		%REC	1	8/13/2006
Surr: Tetrachloro-m-xylene	82.3	62-114		%REC	1	8/13/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *22-Aug-06*

CLIENT: Ninyo & Moore
Lab Order: 085966
Project: I-5 EXPANSION/CALTRANS, 105812001
Lab ID: 085966-002

Client Sample ID: I5NB-GIM-HA332-0.5
Collection Date: 8/4/2006 9:45:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
	EPA 3550B			**EPA 8081A**		
RunID: GC9_060813A	QC Batch: 29738				PrepDate: 8/12/2006	Analyst: **EES**
4,4´-DDD	2.5	2.0		µg/Kg	1	8/13/2006
4,4´-DDE	73	10		µg/Kg	5	8/14/2006
4,4´-DDT	59	2.0		µg/Kg	1	8/13/2006
Aldrin	ND	1.0		µg/Kg	1	8/13/2006
alpha-BHC	ND	1.0		µg/Kg	1	8/13/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	8/13/2006
beta-BHC	ND	1.0		µg/Kg	1	8/13/2006
Chlordane	ND	8.5		µg/Kg	1	8/13/2006
delta-BHC	ND	1.0		µg/Kg	1	8/13/2006
Dieldrin	ND	2.0		µg/Kg	1	8/13/2006
Endosulfan I	ND	1.0		µg/Kg	1	8/13/2006
Endosulfan II	ND	2.0		µg/Kg	1	8/13/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	8/13/2006
Endrin	ND	2.0		µg/Kg	1	8/13/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	8/13/2006
Endrin ketone	ND	2.0		µg/Kg	1	8/13/2006
gamma-BHC	ND	1.0		µg/Kg	1	8/13/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	8/13/2006
Heptachlor	ND	1.0		µg/Kg	1	8/13/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	8/13/2006
Methoxychlor	ND	8.5		µg/Kg	1	8/13/2006
Toxaphene	ND	85		µg/Kg	1	8/13/2006
Surr: Decachlorobiphenyl	80.7	41-137		%REC	1	8/13/2006
Surr: Tetrachloro-m-xylene	75.6	62-114		%REC	1	8/13/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *22-Aug-06*

CLIENT: Ninyo & Moore
Lab Order: 085966
Project: I-5 EXPANSION/CALTRANS, 105812001
Lab ID: 085966-003

Client Sample ID: I5NB-GIM-HA333-1.5
Collection Date: 8/4/2006 10:00:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
	EPA 3550B			**EPA 8081A**		
RunID: GC9_060813A	QC Batch: 29738				PrepDate: 8/12/2006	Analyst: **EES**
4,4´-DDD	ND	2.0		µg/Kg	1	8/13/2006
4,4´-DDE	ND	2.0		µg/Kg	1	8/13/2006
4,4´-DDT	ND	2.0		µg/Kg	1	8/13/2006
Aldrin	ND	1.0		µg/Kg	1	8/13/2006
alpha-BHC	ND	1.0		µg/Kg	1	8/13/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	8/13/2006
beta-BHC	ND	1.0		µg/Kg	1	8/13/2006
Chlordane	ND	8.5		µg/Kg	1	8/13/2006
delta-BHC	ND	1.0		µg/Kg	1	8/13/2006
Dieldrin	ND	2.0		µg/Kg	1	8/13/2006
Endosulfan I	ND	1.0		µg/Kg	1	8/13/2006
Endosulfan II	ND	2.0		µg/Kg	1	8/13/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	8/13/2006
Endrin	ND	2.0		µg/Kg	1	8/13/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	8/13/2006
Endrin ketone	ND	2.0		µg/Kg	1	8/13/2006
gamma-BHC	ND	1.0		µg/Kg	1	8/13/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	8/13/2006
Heptachlor	ND	1.0		µg/Kg	1	8/13/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	8/13/2006
Methoxychlor	ND	8.5		µg/Kg	1	8/13/2006
Toxaphene	ND	85		µg/Kg	1	8/13/2006
Surr: Decachlorobiphenyl	81.5	41-137		%REC	1	8/13/2006
Surr: Tetrachloro-m-xylene	77.6	62-114		%REC	1	8/13/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Date: *22-Aug-06*

CLIENT: Ninyo & Moore
Lab Order: 085966
Project: I-5 EXPANSION/CALTRANS, 105812001
Lab ID: 085966-004

Client Sample ID: I5NB-GIM-HA334-1.0
Collection Date: 8/4/2006 10:25:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3550B				**EPA 8081A**		
RunID: GC9_060813A	QC Batch: 29738				PrepDate: 8/12/2006	Analyst: **EES**
4,4´-DDD	ND	2.0		µg/Kg	1	8/13/2006
4,4´-DDE	33	2.0		µg/Kg	1	8/13/2006
4,4´-DDT	36	2.0		µg/Kg	1	8/13/2006
Aldrin	ND	1.0		µg/Kg	1	8/13/2006
alpha-BHC	ND	1.0		µg/Kg	1	8/13/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	8/13/2006
beta-BHC	ND	1.0		µg/Kg	1	8/13/2006
Chlordane	ND	8.5		µg/Kg	1	8/13/2006
delta-BHC	ND	1.0		µg/Kg	1	8/13/2006
Dieldrin	ND	2.0		µg/Kg	1	8/13/2006
Endosulfan I	ND	1.0		µg/Kg	1	8/13/2006
Endosulfan II	ND	2.0		µg/Kg	1	8/13/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	8/13/2006
Endrin	ND	2.0		µg/Kg	1	8/13/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	8/13/2006
Endrin ketone	ND	2.0		µg/Kg	1	8/13/2006
gamma-BHC	ND	1.0		µg/Kg	1	8/13/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	8/13/2006
Heptachlor	ND	1.0		µg/Kg	1	8/13/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	8/13/2006
Methoxychlor	ND	8.5		µg/Kg	1	8/13/2006
Toxaphene	ND	85		µg/Kg	1	8/13/2006
Surr: Decachlorobiphenyl	82.8	41-137		%REC	1	8/13/2006
Surr: Tetrachloro-m-xylene	77.8	62-114		%REC	1	8/13/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Date: *22-Aug-06*

CLIENT: Ninyo & Moore
Lab Order: 085966
Project: I-5 EXPANSION/CALTRANS, 105812001
Lab ID: 085966-005

Client Sample ID: I5NB-GIM-HA335-0.5
Collection Date: 8/4/2006 10:50:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
	EPA 3550B			**EPA 8081A**		
RunID: GC9_060813A	QC Batch: 29738				PrepDate: 8/12/2006	Analyst: **EES**
4,4´-DDD	3.4	2.0		µg/Kg	1	8/13/2006
4,4´-DDE	72	10		µg/Kg	5	8/14/2006
4,4´-DDT	110	10		µg/Kg	5	8/14/2006
Aldrin	ND	1.0		µg/Kg	1	8/13/2006
alpha-BHC	ND	1.0		µg/Kg	1	8/13/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	8/13/2006
beta-BHC	ND	1.0		µg/Kg	1	8/13/2006
Chlordane	ND	8.5		µg/Kg	1	8/13/2006
delta-BHC	ND	1.0		µg/Kg	1	8/13/2006
Dieldrin	ND	2.0		µg/Kg	1	8/13/2006
Endosulfan I	ND	1.0		µg/Kg	1	8/13/2006
Endosulfan II	ND	2.0		µg/Kg	1	8/13/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	8/13/2006
Endrin	ND	2.0		µg/Kg	1	8/13/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	8/13/2006
Endrin ketone	ND	2.0		µg/Kg	1	8/13/2006
gamma-BHC	ND	1.0		µg/Kg	1	8/13/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	8/13/2006
Heptachlor	ND	1.0		µg/Kg	1	8/13/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	8/13/2006
Methoxychlor	ND	8.5		µg/Kg	1	8/13/2006
Toxaphene	ND	85		µg/Kg	1	8/13/2006
Surr: Decachlorobiphenyl	84.6	41-137		%REC	1	8/13/2006
Surr: Tetrachloro-m-xylene	77.9	62-114		%REC	1	8/13/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Date: *22-Aug-06*

CLIENT: Ninyo & Moore
Lab Order: 085966
Project: I-5 EXPANSION/CALTRANS, 105812001
Lab ID: 085966-006

Client Sample ID: I5NB-GIM-HA336-1.0
Collection Date: 8/4/2006 11:15:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
	EPA 3550B			**EPA 8081A**		
RunID: GC9_060813A	QC Batch: 29738				PrepDate: 8/12/2006	Analyst: **EES**
4,4´-DDD	ND	2.0		µg/Kg	1	8/13/2006
4,4´-DDE	24	2.0		µg/Kg	1	8/13/2006
4,4´-DDT	22	2.0		µg/Kg	1	8/13/2006
Aldrin	ND	1.0		µg/Kg	1	8/13/2006
alpha-BHC	ND	1.0		µg/Kg	1	8/13/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	8/13/2006
beta-BHC	ND	1.0		µg/Kg	1	8/13/2006
Chlordane	ND	8.5		µg/Kg	1	8/13/2006
delta-BHC	ND	1.0		µg/Kg	1	8/13/2006
Dieldrin	ND	2.0		µg/Kg	1	8/13/2006
Endosulfan I	ND	1.0		µg/Kg	1	8/13/2006
Endosulfan II	ND	2.0		µg/Kg	1	8/13/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	8/13/2006
Endrin	ND	2.0		µg/Kg	1	8/13/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	8/13/2006
Endrin ketone	ND	2.0		µg/Kg	1	8/13/2006
gamma-BHC	ND	1.0		µg/Kg	1	8/13/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	8/13/2006
Heptachlor	ND	1.0		µg/Kg	1	8/13/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	8/13/2006
Methoxychlor	ND	8.5		µg/Kg	1	8/13/2006
Toxaphene	ND	85		µg/Kg	1	8/13/2006
Surr: Decachlorobiphenyl	86.2	41-137		%REC	1	8/13/2006
Surr: Tetrachloro-m-xylene	81.3	62-114		%REC	1	8/13/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *22-Aug-06*

CLIENT: Ninyo & Moore
Lab Order: 085966
Project: I-5 EXPANSION/CALTRANS, 105812001
Lab ID: 085966-007

Client Sample ID: I5NB-GIM-HA337-1.5
Collection Date: 8/4/2006 11:40:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
	EPA 3550B			**EPA 8081A**		
RunID: GC9_060813A	QC Batch: 29738				PrepDate: 8/12/2006	Analyst: **EES**
4,4´-DDD	ND	2.0		µg/Kg	1	8/13/2006
4,4´-DDE	ND	2.0		µg/Kg	1	8/13/2006
4,4´-DDT	ND	2.0		µg/Kg	1	8/13/2006
Aldrin	ND	1.0		µg/Kg	1	8/13/2006
alpha-BHC	ND	1.0		µg/Kg	1	8/13/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	8/13/2006
beta-BHC	ND	1.0		µg/Kg	1	8/13/2006
Chlordane	ND	8.5		µg/Kg	1	8/13/2006
delta-BHC	ND	1.0		µg/Kg	1	8/13/2006
Dieldrin	ND	2.0		µg/Kg	1	8/13/2006
Endosulfan I	ND	1.0		µg/Kg	1	8/13/2006
Endosulfan II	ND	2.0		µg/Kg	1	8/13/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	8/13/2006
Endrin	ND	2.0		µg/Kg	1	8/13/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	8/13/2006
Endrin ketone	ND	2.0		µg/Kg	1	8/13/2006
gamma-BHC	ND	1.0		µg/Kg	1	8/13/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	8/13/2006
Heptachlor	ND	1.0		µg/Kg	1	8/13/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	8/13/2006
Methoxychlor	ND	8.5		µg/Kg	1	8/13/2006
Toxaphene	ND	85		µg/Kg	1	8/13/2006
Surr: Decachlorobiphenyl	84.2	41-137		%REC	1	8/13/2006
Surr: Tetrachloro-m-xylene	79.7	62-114		%REC	1	8/13/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *22-Aug-06*

CLIENT: Ninyo & Moore
Lab Order: 085966
Project: I-5 EXPANSION/CALTRANS, 105812001
Lab ID: 085966-008

Client Sample ID: I5NB-GIM-HA338-0.5
Collection Date: 8/4/2006 12:55:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
	EPA 3550B			**EPA 8081A**		
RunID: GC9_060813A	QC Batch: 29738				PrepDate: 8/12/2006	Analyst: **EES**
4,4´-DDD	ND	2.0		µg/Kg	1	8/13/2006
4,4´-DDE	ND	2.0		µg/Kg	1	8/13/2006
4,4´-DDT	ND	2.0		µg/Kg	1	8/13/2006
Aldrin	ND	1.0		µg/Kg	1	8/13/2006
alpha-BHC	ND	1.0		µg/Kg	1	8/13/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	8/13/2006
beta-BHC	ND	1.0		µg/Kg	1	8/13/2006
Chlordane	ND	8.5		µg/Kg	1	8/13/2006
delta-BHC	ND	1.0		µg/Kg	1	8/13/2006
Dieldrin	ND	2.0		µg/Kg	1	8/13/2006
Endosulfan I	ND	1.0		µg/Kg	1	8/13/2006
Endosulfan II	ND	2.0		µg/Kg	1	8/13/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	8/13/2006
Endrin	ND	2.0		µg/Kg	1	8/13/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	8/13/2006
Endrin ketone	ND	2.0		µg/Kg	1	8/13/2006
gamma-BHC	ND	1.0		µg/Kg	1	8/13/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	8/13/2006
Heptachlor	ND	1.0		µg/Kg	1	8/13/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	8/13/2006
Methoxychlor	ND	8.5		µg/Kg	1	8/13/2006
Toxaphene	ND	85		µg/Kg	1	8/13/2006
Surr: Decachlorobiphenyl	87.3	41-137		%REC	1	8/13/2006
Surr: Tetrachloro-m-xylene	80.1	62-114		%REC	1	8/13/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *22-Aug-06*

CLIENT: Ninyo & Moore
Lab Order: 085966
Project: I-5 EXPANSION/CALTRANS, 105812001
Lab ID: 085966-009

Client Sample ID: I5NB-GIM-HA339-0.5
Collection Date: 8/4/2006 1:12:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3550B				**EPA 8081A**		
RunID: GC9_060813A	QC Batch: 29738				PrepDate: 8/12/2006	Analyst: **EES**
4,4´-DDD	ND	2.0		µg/Kg	1	8/13/2006
4,4´-DDE	ND	2.0		µg/Kg	1	8/13/2006
4,4´-DDT	ND	2.0		µg/Kg	1	8/13/2006
Aldrin	ND	1.0		µg/Kg	1	8/13/2006
alpha-BHC	ND	1.0		µg/Kg	1	8/13/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	8/13/2006
beta-BHC	ND	1.0		µg/Kg	1	8/13/2006
Chlordane	ND	8.5		µg/Kg	1	8/13/2006
delta-BHC	ND	1.0		µg/Kg	1	8/13/2006
Dieldrin	ND	2.0		µg/Kg	1	8/13/2006
Endosulfan I	ND	1.0		µg/Kg	1	8/13/2006
Endosulfan II	ND	2.0		µg/Kg	1	8/13/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	8/13/2006
Endrin	ND	2.0		µg/Kg	1	8/13/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	8/13/2006
Endrin ketone	ND	2.0		µg/Kg	1	8/13/2006
gamma-BHC	ND	1.0		µg/Kg	1	8/13/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	8/13/2006
Heptachlor	ND	1.0		µg/Kg	1	8/13/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	8/13/2006
Methoxychlor	ND	8.5		µg/Kg	1	8/13/2006
Toxaphene	ND	85		µg/Kg	1	8/13/2006
Surr: Decachlorobiphenyl	80.6	41-137		%REC	1	8/13/2006
Surr: Tetrachloro-m-xylene	78.8	62-114		%REC	1	8/13/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *22-Aug-06*

CLIENT: Ninyo & Moore
Lab Order: 085966
Project: I-5 EXPANSION/CALTRANS, 105812001
Lab ID: 085966-010

Client Sample ID: I5NB-GIM-HA340-1.0
Collection Date: 8/4/2006 1:30:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
	EPA 3550B			**EPA 8081A**		
RunID: GC9_060813A	QC Batch: 29738				PrepDate: 8/12/2006	Analyst: **EES**
4,4´-DDD	ND	2.0		µg/Kg	1	8/13/2006
4,4´-DDE	12	2.0		µg/Kg	1	8/13/2006
4,4´-DDT	10	2.0		µg/Kg	1	8/13/2006
Aldrin	ND	1.0		µg/Kg	1	8/13/2006
alpha-BHC	ND	1.0		µg/Kg	1	8/13/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	8/13/2006
beta-BHC	ND	1.0		µg/Kg	1	8/13/2006
Chlordane	ND	8.5		µg/Kg	1	8/13/2006
delta-BHC	ND	1.0		µg/Kg	1	8/13/2006
Dieldrin	ND	2.0		µg/Kg	1	8/13/2006
Endosulfan I	ND	1.0		µg/Kg	1	8/13/2006
Endosulfan II	ND	2.0		µg/Kg	1	8/13/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	8/13/2006
Endrin	ND	2.0		µg/Kg	1	8/13/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	8/13/2006
Endrin ketone	ND	2.0		µg/Kg	1	8/13/2006
gamma-BHC	ND	1.0		µg/Kg	1	8/13/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	8/13/2006
Heptachlor	ND	1.0		µg/Kg	1	8/13/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	8/13/2006
Methoxychlor	ND	8.5		µg/Kg	1	8/13/2006
Toxaphene	ND	85		µg/Kg	1	8/13/2006
Surr: Decachlorobiphenyl	89.9	41-137		%REC	1	8/13/2006
Surr: Tetrachloro-m-xylene	83.8	62-114		%REC	1	8/13/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *22-Aug-06*

CLIENT: Ninyo & Moore
Lab Order: 085966
Project: I-5 EXPANSION/CALTRANS, 105812001
Lab ID: 085966-011

Client Sample ID: I5NB-GIM-HA341-1.5
Collection Date: 8/4/2006 1:45:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
	EPA 3550B			**EPA 8081A**		
RunID: GC9_060814A	QC Batch: 29744				PrepDate: 8/14/2006	Analyst: **EES**
4,4´-DDD	ND	2.0		µg/Kg	1	8/14/2006
4,4´-DDE	13	2.0		µg/Kg	1	8/14/2006
4,4´-DDT	ND	2.0		µg/Kg	1	8/14/2006
Aldrin	ND	1.0		µg/Kg	1	8/14/2006
alpha-BHC	ND	1.0		µg/Kg	1	8/14/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	8/14/2006
beta-BHC	ND	1.0		µg/Kg	1	8/14/2006
Chlordane	ND	8.5		µg/Kg	1	8/14/2006
delta-BHC	ND	1.0		µg/Kg	1	8/14/2006
Dieldrin	ND	2.0		µg/Kg	1	8/14/2006
Endosulfan I	ND	1.0		µg/Kg	1	8/14/2006
Endosulfan II	ND	2.0		µg/Kg	1	8/14/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	8/14/2006
Endrin	ND	2.0		µg/Kg	1	8/14/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	8/14/2006
Endrin ketone	ND	2.0		µg/Kg	1	8/14/2006
gamma-BHC	ND	1.0		µg/Kg	1	8/14/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	8/14/2006
Heptachlor	ND	1.0		µg/Kg	1	8/14/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	8/14/2006
Methoxychlor	ND	8.5		µg/Kg	1	8/14/2006
Toxaphene	ND	85		µg/Kg	1	8/14/2006
Surr: Decachlorobiphenyl	81.5	41-137		%REC	1	8/14/2006
Surr: Tetrachloro-m-xylene	84.1	62-114		%REC	1	8/14/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *22-Aug-06*

CLIENT: Ninyo & Moore
Lab Order: 085966
Project: I-5 EXPANSION/CALTRANS, 105812001
Lab ID: 085966-012

Client Sample ID: I5NB-GIM-HA342-1.0
Collection Date: 8/4/2006 2:00:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
	EPA 3550B			**EPA 8081A**		
RunID: GC9_060814A	QC Batch: 29744			PrepDate:	8/14/2006	Analyst: **EES**
4,4´-DDD	ND	2.0		µg/Kg	1	8/14/2006
4,4´-DDE	ND	2.0		µg/Kg	1	8/14/2006
4,4´-DDT	ND	2.0		µg/Kg	1	8/14/2006
Aldrin	ND	1.0		µg/Kg	1	8/14/2006
alpha-BHC	ND	1.0		µg/Kg	1	8/14/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	8/14/2006
beta-BHC	ND	1.0		µg/Kg	1	8/14/2006
Chlordane	ND	8.5		µg/Kg	1	8/14/2006
delta-BHC	ND	1.0		µg/Kg	1	8/14/2006
Dieldrin	ND	2.0		µg/Kg	1	8/14/2006
Endosulfan I	ND	1.0		µg/Kg	1	8/14/2006
Endosulfan II	ND	2.0		µg/Kg	1	8/14/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	8/14/2006
Endrin	ND	2.0		µg/Kg	1	8/14/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	8/14/2006
Endrin ketone	ND	2.0		µg/Kg	1	8/14/2006
gamma-BHC	ND	1.0		µg/Kg	1	8/14/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	8/14/2006
Heptachlor	ND	1.0		µg/Kg	1	8/14/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	8/14/2006
Methoxychlor	ND	8.5		µg/Kg	1	8/14/2006
Toxaphene	ND	85		µg/Kg	1	8/14/2006
Surr: Decachlorobiphenyl	81.3	41-137		%REC	1	8/14/2006
Surr: Tetrachloro-m-xylene	76.9	62-114		%REC	1	8/14/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *22-Aug-06*

CLIENT: Ninyo & Moore
Lab Order: 085966
Project: I-5 EXPANSION/CALTRANS, 105812001
Lab ID: 085966-013

Client Sample ID: I5NB-GIM-HA343-1.0
Collection Date: 8/4/2006 2:12:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
	EPA 3550B			**EPA 8081A**		
RunID: GC9_060814A	QC Batch: 29744				PrepDate: 8/14/2006	Analyst: **EES**
4,4´-DDD	ND	2.0		µg/Kg	1	8/14/2006
4,4´-DDE	ND	2.0		µg/Kg	1	8/14/2006
4,4´-DDT	ND	2.0		µg/Kg	1	8/14/2006
Aldrin	ND	1.0		µg/Kg	1	8/14/2006
alpha-BHC	ND	1.0		µg/Kg	1	8/14/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	8/14/2006
beta-BHC	ND	1.0		µg/Kg	1	8/14/2006
Chlordane	ND	8.5		µg/Kg	1	8/14/2006
delta-BHC	ND	1.0		µg/Kg	1	8/14/2006
Dieldrin	ND	2.0		µg/Kg	1	8/14/2006
Endosulfan I	ND	1.0		µg/Kg	1	8/14/2006
Endosulfan II	ND	2.0		µg/Kg	1	8/14/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	8/14/2006
Endrin	ND	2.0		µg/Kg	1	8/14/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	8/14/2006
Endrin ketone	ND	2.0		µg/Kg	1	8/14/2006
gamma-BHC	ND	1.0		µg/Kg	1	8/14/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	8/14/2006
Heptachlor	ND	1.0		µg/Kg	1	8/14/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	8/14/2006
Methoxychlor	ND	8.5		µg/Kg	1	8/14/2006
Toxaphene	ND	85		µg/Kg	1	8/14/2006
Surr: Decachlorobiphenyl	81.1	41-137		%REC	1	8/14/2006
Surr: Tetrachloro-m-xylene	83.5	62-114		%REC	1	8/14/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *22-Aug-06*

CLIENT: Ninyo & Moore
Lab Order: 085966
Project: I-5 EXPANSION/CALTRANS, 105812001
Lab ID: 085966-014

Client Sample ID: I5NB-GIM-HA344-0.5
Collection Date: 8/4/2006 2:25:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
	EPA 3550B			**EPA 8081A**		
RunID: GC9_060814A	QC Batch: 29744				PrepDate: 8/14/2006	Analyst: **EES**
4,4´-DDD	ND	2.0		µg/Kg	1	8/14/2006
4,4´-DDE	ND	2.0		µg/Kg	1	8/14/2006
4,4´-DDT	ND	2.0		µg/Kg	1	8/14/2006
Aldrin	ND	1.0		µg/Kg	1	8/14/2006
alpha-BHC	ND	1.0		µg/Kg	1	8/14/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	8/14/2006
beta-BHC	ND	1.0		µg/Kg	1	8/14/2006
Chlordane	ND	8.5		µg/Kg	1	8/14/2006
delta-BHC	ND	1.0		µg/Kg	1	8/14/2006
Dieldrin	ND	2.0		µg/Kg	1	8/14/2006
Endosulfan I	ND	1.0		µg/Kg	1	8/14/2006
Endosulfan II	ND	2.0		µg/Kg	1	8/14/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	8/14/2006
Endrin	ND	2.0		µg/Kg	1	8/14/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	8/14/2006
Endrin ketone	ND	2.0		µg/Kg	1	8/14/2006
gamma-BHC	ND	1.0		µg/Kg	1	8/14/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	8/14/2006
Heptachlor	ND	1.0		µg/Kg	1	8/14/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	8/14/2006
Methoxychlor	ND	8.5		µg/Kg	1	8/14/2006
Toxaphene	ND	85		µg/Kg	1	8/14/2006
Surr: Decachlorobiphenyl	80.0	41-137		%REC	1	8/14/2006
Surr: Tetrachloro-m-xylene	81.6	62-114		%REC	1	8/14/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *22-Aug-06*

CLIENT: Ninyo & Moore
Lab Order: 085966
Project: I-5 EXPANSION/CALTRANS, 105812001
Lab ID: 085966-015

Client Sample ID: I5NB-GIM-HA345-0.5
Collection Date: 8/4/2006 2:40:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
	EPA 3550B			**EPA 8081A**		
RunID: GC9_060814A	QC Batch: 29744				PrepDate: 8/14/2006	Analyst: **EES**
4,4´-DDD	ND	2.0		µg/Kg	1	8/14/2006
4,4´-DDE	ND	2.0		µg/Kg	1	8/14/2006
4,4´-DDT	ND	2.0		µg/Kg	1	8/14/2006
Aldrin	ND	1.0		µg/Kg	1	8/14/2006
alpha-BHC	ND	1.0		µg/Kg	1	8/14/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	8/14/2006
beta-BHC	ND	1.0		µg/Kg	1	8/14/2006
Chlordane	ND	8.5		µg/Kg	1	8/14/2006
delta-BHC	ND	1.0		µg/Kg	1	8/14/2006
Dieldrin	ND	2.0		µg/Kg	1	8/14/2006
Endosulfan I	ND	1.0		µg/Kg	1	8/14/2006
Endosulfan II	ND	2.0		µg/Kg	1	8/14/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	8/14/2006
Endrin	ND	2.0		µg/Kg	1	8/14/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	8/14/2006
Endrin ketone	ND	2.0		µg/Kg	1	8/14/2006
gamma-BHC	ND	1.0		µg/Kg	1	8/14/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	8/14/2006
Heptachlor	ND	1.0		µg/Kg	1	8/14/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	8/14/2006
Methoxychlor	ND	8.5		µg/Kg	1	8/14/2006
Toxaphene	ND	85		µg/Kg	1	8/14/2006
Surr: Decachlorobiphenyl	89.1	41-137		%REC	1	8/14/2006
Surr: Tetrachloro-m-xylene	82.2	62-114		%REC	1	8/14/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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Advanced Technology Laboratories

Date: *22-Aug-06*

CLIENT: Ninyo & Moore
Lab Order: 085966
Project: I-5 EXPANSION/CALTRANS, 105812001
Lab ID: 085966-016

Client Sample ID: EQUIP-HA01-080406
Collection Date: 8/4/2006 2:50:00 PM
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
	EPA 3510C			**EPA 8081A**		
RunID: GC10_060810A	QC Batch: 29680			PrepDate:	8/10/2006	Analyst: **EES**
4,4´-DDD	ND	0.050		µg/L	1	8/11/2006
4,4´-DDE	ND	0.050		µg/L	1	8/11/2006
4,4´-DDT	ND	0.050		µg/L	1	8/11/2006
Aldrin	ND	0.025		µg/L	1	8/11/2006
alpha-BHC	ND	0.025		µg/L	1	8/11/2006
alpha-Chlordane	ND	0.025		µg/L	1	8/11/2006
beta-BHC	ND	0.025		µg/L	1	8/11/2006
Chlordane	ND	0.25		µg/L	1	8/11/2006
delta-BHC	ND	0.025		µg/L	1	8/11/2006
Dieldrin	ND	0.050		µg/L	1	8/11/2006
Endosulfan I	ND	0.025		µg/L	1	8/11/2006
Endosulfan II	ND	0.050		µg/L	1	8/11/2006
Endosulfan sulfate	ND	0.050		µg/L	1	8/11/2006
Endrin	ND	0.050		µg/L	1	8/11/2006
Endrin aldehyde	ND	0.050		µg/L	1	8/11/2006
Endrin ketone	ND	0.050		µg/L	1	8/11/2006
gamma-BHC	ND	0.025		µg/L	1	8/11/2006
gamma-Chlordane	ND	0.025		µg/L	1	8/11/2006
Heptachlor	ND	0.025		µg/L	1	8/11/2006
Heptachlor epoxide	ND	0.025		µg/L	1	8/11/2006
Methoxychlor	ND	0.25		µg/L	1	8/11/2006
Toxaphene	ND	2.5		µg/L	1	8/11/2006
Surr: Decachlorobiphenyl	78.4	32-107		%REC	1	8/11/2006
Surr: Tetrachloro-m-xylene	85.6	50-116		%REC	1	8/11/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

CLIENT: Ninyo & Moore
Work Order: 085966
Project: I-5 EXPANSION/CALTRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **MB-29738** SampType: **MBLK** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **8/12/2006** RunNo: **66589**
Client ID: **PBS** Batch ID: **29738** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **8/13/2006** SeqNo: **990706**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	2.0									
4,4´-DDE	ND	2.0									
4,4´-DDT	ND	2.0									
Aldrin	ND	1.0									
alpha-BHC	ND	1.0									
alpha-Chlordane	ND	1.0									
beta-BHC	ND	1.0									
Chlordane	ND	8.5									
delta-BHC	ND	1.0									
Dieldrin	ND	2.0									
Endosulfan I	ND	1.0									
Endosulfan II	ND	2.0									
Endosulfan sulfate	ND	2.0									
Endrin	ND	2.0									
Endrin aldehyde	ND	2.0									
Endrin ketone	ND	2.0									
gamma-BHC	ND	1.0									
gamma-Chlordane	ND	1.0									
Heptachlor	ND	1.0									
Heptachlor epoxide	ND	1.0									
Methoxychlor	ND	8.5									
Toxaphene	ND	85									
Surr: Tetrachloro-m-xylene	13.019		16.67		78.1	62	114				
Surr: Decachlorobiphenyl	19.575		16.67		117	41	137				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Ninyo & Moore
Work Order: 085966
Project: I-5 EXPANSION/CALTRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **LCS-29738** SampType: **LCS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **8/12/2006** RunNo: **66589**
Client ID: **LCSS** Batch ID: **29738** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **8/13/2006** SeqNo: **990707**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	14.403	2.0	16.67	0	86.4	59	140				
Aldrin	18.043	1.0	16.67	0	108	81	130				
Dieldrin	16.362	2.0	16.67	0	98.2	78	124				
Endrin	19.345	2.0	16.67	0	116	90	145				
gamma-BHC	17.913	1.0	16.67	0	107	82	128				
Heptachlor	19.798	1.0	16.67	0	119	72	145				
Surr: Tetrachloro-m-xylene	13.925		16.67		83.5	62	114				
Surr: Decachlorobiphenyl	14.765		16.67		88.6	41	137				

Sample ID: **085966-003AMS** SampType: **MS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **8/12/2006** RunNo: **66589**
Client ID: **I5NB-GIM-HA333-1.5** Batch ID: **29738** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **8/13/2006** SeqNo: **990708**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	19.192	2.0	16.67	1.358	107	39	159				
Aldrin	17.251	1.0	16.67	0	103	65	140				
Dieldrin	15.837	2.0	16.67	0	95.0	48	158				
Endrin	20.409	2.0	16.67	0	122	75	170				
gamma-BHC	17.375	1.0	16.67	0	104	59	145				
Heptachlor	19.495	1.0	16.67	0	117	61	156				
Surr: Tetrachloro-m-xylene	13.955		16.67		83.7	62	114				
Surr: Decachlorobiphenyl	14.178		16.67		85.1	41	137				

Sample ID: **085966-003AMSD** SampType: **MSD** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **8/12/2006** RunNo: **66589**
Client ID: **I5NB-GIM-HA333-1.5** Batch ID: **29738** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **8/13/2006** SeqNo: **990709**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	16.376	2.0	16.67	1.358	90.1	39	159	19.19	15.8	30	
Aldrin	17.836	1.0	16.67	0	107	65	140	17.25	3.34	30	
Dieldrin	16.149	2.0	16.67	0	96.9	48	158	15.84	1.95	30	
Endrin	20.490	2.0	16.67	0	123	75	170	20.41	0.394	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **085966-003AMSD** SampType: **MSD** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **8/12/2006** RunNo: **66589**
Client ID: **I5NB-GIM-HA333-1.5** Batch ID: **29738** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **8/13/2006** SeqNo: **990709**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
gamma-BHC	17.811	1.0	16.67	0	107	59	145	17.38	2.48	30	
Heptachlor	20.332	1.0	16.67	0	122	61	156	19.49	4.20	30	
Surr: Tetrachloro-m-xylene	13.803		16.67		82.8	62	114		0	30	
Surr: Decachlorobiphenyl	14.339		16.67		86.0	41	137		0	30	

Sample ID: **085966-008A** SampType: **DUP** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **8/12/2006** RunNo: **66589**
Client ID: **I5NB-GIM-HA338-0.5** Batch ID: **29738** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **8/13/2006** SeqNo: **990718**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	2.0						0	0	30	
4,4´-DDE	ND	2.0						0	0	30	
4,4´-DDT	ND	2.0						0	0	30	
Aldrin	ND	1.0						0	0	30	
alpha-BHC	ND	1.0						0	0	30	
alpha-Chlordane	ND	1.0						0	0	30	
beta-BHC	ND	1.0						0	0	30	
Chlordane	ND	8.5						0	0	30	
delta-BHC	ND	1.0						0	0	30	
Dieldrin	ND	2.0						0	0	30	
Endosulfan I	ND	1.0						0	0	30	
Endosulfan II	ND	2.0						0	0	30	
Endosulfan sulfate	ND	2.0						0	0	30	
Endrin	ND	2.0						0	0	30	
Endrin aldehyde	ND	2.0						0	0	30	
Endrin ketone	ND	2.0						0	0	30	
gamma-BHC	ND	1.0						0	0	30	
gamma-Chlordane	ND	1.0						0	0	30	
Heptachlor	ND	1.0						0	0	30	
Heptachlor epoxide	ND	1.0						0	0	30	
Methoxychlor	ND	8.5						0	0	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **085966-008A** SampType: **DUP** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **8/12/2006** RunNo: **66589**
Client ID: **I5NB-GIM-HA338-0.5** Batch ID: **29738** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **8/13/2006** SeqNo: **990718**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toxaphene	ND	85						0	0	30	
Surr: Tetrachloro-m-xylene	12.066		16.67		72.4	62	114		0	0	
Surr: Decachlorobiphenyl	15.792		16.67		94.7	41	137		0	0	

Sample ID: **MB-29738** SampType: **MBLK** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **8/12/2006** RunNo: **66589**
Client ID: **PBS** Batch ID: **29738** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **8/14/2006** SeqNo: **990892**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	2.0									
4,4´-DDE	ND	2.0									
4,4´-DDT	ND	2.0									
Aldrin	ND	1.0									
alpha-BHC	ND	1.0									
alpha-Chlordane	ND	1.0									
beta-BHC	ND	1.0									
Chlordane	ND	8.5									
delta-BHC	ND	1.0									
Dieldrin	ND	2.0									
Endosulfan I	ND	1.0									
Endosulfan II	ND	2.0									
Endosulfan sulfate	ND	2.0									
Endrin	ND	2.0									
Endrin aldehyde	ND	2.0									
Endrin ketone	ND	2.0									
gamma-BHC	ND	1.0									
gamma-Chlordane	ND	1.0									
Heptachlor	ND	1.0									
Heptachlor epoxide	ND	1.0									
Methoxychlor	ND	8.5									
Toxaphene	ND	85									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **MB-29738** SampType: **MBLK** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **8/12/2006** RunNo: **66589**
Client ID: **PBS** Batch ID: **29738** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **8/14/2006** SeqNo: **990892**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Tetrachloro-m-xylene	14.215		16.67		85.3	62	114				
Surr: Decachlorobiphenyl	14.551		16.67		87.3	41	137				

Sample ID: **LCS-29738** SampType: **LCS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **8/12/2006** RunNo: **66589**
Client ID: **LCSS** Batch ID: **29738** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **8/14/2006** SeqNo: **990893**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	15.460	2.0	16.67	0	92.7	59	140				
Aldrin	18.121	1.0	16.67	0	109	81	130				
Dieldrin	16.753	2.0	16.67	0	100	78	124				
Endrin	21.324	2.0	16.67	0	128	90	145				
gamma-BHC	17.682	1.0	16.67	0	106	82	128				
Heptachlor	21.042	1.0	16.67	0	126	72	145				
Surr: Tetrachloro-m-xylene	14.122		16.67		84.7	62	114				
Surr: Decachlorobiphenyl	14.301		16.67		85.8	41	137				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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Project: I-5 EXPANSION/CALTRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **MB-29744** SampType: **MBLK** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **8/14/2006** RunNo: **66598**
Client ID: **PBS** Batch ID: **29744** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **8/14/2006** SeqNo: **990951**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	2.0									
4,4´-DDE	ND	2.0									
4,4´-DDT	ND	2.0									
Aldrin	ND	1.0									
alpha-BHC	ND	1.0									
alpha-Chlordane	ND	1.0									
beta-BHC	ND	1.0									
Chlordane	ND	8.5									
delta-BHC	ND	1.0									
Dieldrin	ND	2.0									
Endosulfan I	ND	1.0									
Endosulfan II	ND	2.0									
Endosulfan sulfate	ND	2.0									
Endrin	ND	2.0									
Endrin aldehyde	ND	2.0									
Endrin ketone	ND	2.0									
gamma-BHC	ND	1.0									
gamma-Chlordane	ND	1.0									
Heptachlor	ND	1.0									
Heptachlor epoxide	ND	1.0									
Methoxychlor	ND	8.5									
Toxaphene	ND	85									
Surr: Tetrachloro-m-xylene	14.826		16.67		88.9	62	114				
Surr: Decachlorobiphenyl	15.177		16.67		91.0	41	137				

Sample ID: **LCS-29744** SampType: **LCS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **8/14/2006** RunNo: **66598**
Client ID: **LCSS** Batch ID: **29744** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **8/14/2006** SeqNo: **990952**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	16.770	2.0	16.67	0	101	59	140				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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Project: I-5 EXPANSION/CALTRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **LCS-29744** SampType: **LCS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **8/14/2006** RunNo: **66598**
Client ID: **LCSS** Batch ID: **29744** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **8/14/2006** SeqNo: **990952**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aldrin	19.684	1.0	16.67	0	118	81	130				
Dieldrin	18.300	2.0	16.67	0	110	78	124				
Endrin	23.298	2.0	16.67	0	140	90	145				
gamma-BHC	18.571	1.0	16.67	0	111	82	128				
Heptachlor	22.344	1.0	16.67	0	134	72	145				
Surr: Tetrachloro-m-xylene	14.601		16.67		87.6	62	114				
Surr: Decachlorobiphenyl	15.365		16.67		92.2	41	137				

Sample ID: **085966-015A** SampType: **DUP** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **8/14/2006** RunNo: **66598**
Client ID: **I5NB-GIM-HA345-0.5** Batch ID: **29744** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **8/14/2006** SeqNo: **990957**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	2.0						0	0	30	
4,4´-DDE	1.012	2.0						0.9828	0	30	
4,4´-DDT	0.670	2.0						0.6718	0	30	
Aldrin	ND	1.0						0	0	30	
alpha-BHC	ND	1.0						0	0	30	
alpha-Chlordane	ND	1.0						0	0	30	
beta-BHC	ND	1.0						0	0	30	
Chlordane	ND	8.5						0	0	30	
delta-BHC	ND	1.0						0	0	30	
Dieldrin	ND	2.0						0	0	30	
Endosulfan I	ND	1.0						0	0	30	
Endosulfan II	ND	2.0						0	0	30	
Endosulfan sulfate	ND	2.0						0	0	30	
Endrin	ND	2.0						0	0	30	
Endrin aldehyde	ND	2.0						0	0	30	
Endrin ketone	ND	2.0						0	0	30	
gamma-BHC	ND	1.0						0	0	30	
gamma-Chlordane	ND	1.0						0	0	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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Project: I-5 EXPANSION/CALTRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **085966-015A** SampType: **DUP** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **8/14/2006** RunNo: **66598**
Client ID: **I5NB-GIM-HA345-0.5** Batch ID: **29744** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **8/14/2006** SeqNo: **990957**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Heptachlor	ND	1.0						0	0	30	
Heptachlor epoxide	ND	1.0						0	0	30	
Methoxychlor	ND	8.5						0	0	30	
Toxaphene	ND	85						0	0	30	
Surr: Tetrachloro-m-xylene	14.813		16.67		88.9	62	114		0	0	
Surr: Decachlorobiphenyl	13.924		16.67		83.5	41	137		0	0	

Sample ID: **085966-013AMS** SampType: **MS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **8/14/2006** RunNo: **66598**
Client ID: **I5NB-GIM-HA343-1.0** Batch ID: **29744** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **8/14/2006** SeqNo: **991245**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	15.104	2.0	16.67	0	90.6	39	159				
Aldrin	15.585	1.0	16.67	0	93.5	65	140				
Dieldrin	15.130	2.0	16.67	0	90.8	48	158				
Endrin	19.321	2.0	16.67	0	116	75	170				
gamma-BHC	15.601	1.0	16.67	0	93.6	59	145				
Heptachlor	19.230	1.0	16.67	0	115	61	156				
Surr: Tetrachloro-m-xylene	12.958		16.67		77.7	62	114				
Surr: Decachlorobiphenyl	13.102		16.67		78.6	41	137				

Sample ID: **085966-013AMSD** SampType: **MSD** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **8/14/2006** RunNo: **66598**
Client ID: **I5NB-GIM-HA343-1.0** Batch ID: **29744** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **8/14/2006** SeqNo: **991246**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	14.781	2.0	16.67	0	88.7	39	159	15.10	2.16	30	
Aldrin	15.310	1.0	16.67	0	91.8	65	140	15.58	1.78	30	
Dieldrin	14.702	2.0	16.67	0	88.2	48	158	15.13	2.87	30	
Endrin	18.202	2.0	16.67	0	109	75	170	19.32	5.96	30	
gamma-BHC	15.241	1.0	16.67	0	91.4	59	145	15.60	2.34	30	
Heptachlor	18.566	1.0	16.67	0	111	61	156	19.23	3.51	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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Project: I-5 EXPANSION/CALTRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **085966-013AMSD** SampType: **MSD** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **8/14/2006** RunNo: **66598**
Client ID: **I5NB-GIM-HA343-1.0** Batch ID: **29744** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **8/14/2006** SeqNo: **991246**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Tetrachloro-m-xylene	12.545		16.67		75.3	62	114		0	30	
Surr: Decachlorobiphenyl	12.230		16.67		73.4	41	137		0	30	

Sample ID: **MB-29744** SampType: **MBLK** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **8/14/2006** RunNo: **66673**
Client ID: **PBS** Batch ID: **29744** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **8/15/2006** SeqNo: **992084**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	2.0									
4,4´-DDE	ND	2.0									
4,4´-DDT	ND	2.0									
Aldrin	ND	1.0									
alpha-BHC	ND	1.0									
alpha-Chlordane	ND	1.0									
beta-BHC	ND	1.0									
Chlordane	ND	8.5									
delta-BHC	ND	1.0									
Dieldrin	ND	2.0									
Endosulfan I	ND	1.0									
Endosulfan II	ND	2.0									
Endosulfan sulfate	ND	2.0									
Endrin	ND	2.0									
Endrin aldehyde	ND	2.0									
Endrin ketone	ND	2.0									
gamma-BHC	ND	1.0									
gamma-Chlordane	ND	1.0									
Heptachlor	ND	1.0									
Heptachlor epoxide	ND	1.0									
Methoxychlor	ND	8.5									
Toxaphene	ND	85									
Surr: Tetrachloro-m-xylene	14.522		16.67		87.1	62	114				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
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CLIENT: Ninyo & Moore
Work Order: 085966
Project: I-5 EXPANSION/CALTRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **MB-29744** SampType: **MBLK** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **8/14/2006** RunNo: **66673**
Client ID: **PBS** Batch ID: **29744** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **8/15/2006** SeqNo: **992084**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Decachlorobiphenyl	19.459		16.67		117	41	137				

Sample ID: **LCS-29744** SampType: **LCS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **8/14/2006** RunNo: **66673**
Client ID: **LCSS** Batch ID: **29744** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **8/15/2006** SeqNo: **992085**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	17.831	2.0	16.67	0	107	59	140				
Aldrin	17.431	1.0	16.67	0	105	81	130				
Dieldrin	16.902	2.0	16.67	0	101	78	124				
Endrin	19.678	2.0	16.67	0	118	90	145				
gamma-BHC	17.641	1.0	16.67	0	106	82	128				
Heptachlor	17.924	1.0	16.67	0	108	72	145				
Surr: Tetrachloro-m-xylene	14.732		16.67		88.4	62	114				
Surr: Decachlorobiphenyl	20.330		16.67		122	41	137				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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Work Order: 085966
Project: I-5 EXPANSION/CALTRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_W

Sample ID: **MB-29680** SampType: **MBLK** TestCode: **8081_W** Units: **µg/L** Prep Date: **8/10/2006** RunNo: **66500**
Client ID: **PBW** Batch ID: **29680** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **8/10/2006** SeqNo: **989076**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	0.050									
4,4´-DDE	ND	0.050									
4,4´-DDT	ND	0.050									
Aldrin	ND	0.025									
alpha-BHC	ND	0.025									
alpha-Chlordane	ND	0.025									
beta-BHC	ND	0.025									
Chlordane	ND	0.25									
delta-BHC	ND	0.025									
Dieldrin	ND	0.050									
Endosulfan I	ND	0.025									
Endosulfan II	ND	0.050									
Endosulfan sulfate	ND	0.050									
Endrin	ND	0.050									
Endrin aldehyde	ND	0.050									
Endrin ketone	ND	0.050									
gamma-BHC	ND	0.025									
gamma-Chlordane	ND	0.025									
Heptachlor	ND	0.025									
Heptachlor epoxide	ND	0.025									
Methoxychlor	ND	0.25									
Toxaphene	ND	2.5									
Surr: Tetrachloro-m-xylene	0.424		0.5000		84.9	50	116				
Surr: Decachlorobiphenyl	0.394		0.5000		78.8	32	107				

Sample ID: **LCS-29680** SampType: **LCS** TestCode: **8081_W** Units: **µg/L** Prep Date: **8/10/2006** RunNo: **66500**
Client ID: **LCSW** Batch ID: **29680** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **8/10/2006** SeqNo: **989077**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	0.522	0.050	0.5000	0	104	61	129				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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Project: I-5 EXPANSION/CALTRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_W

Sample ID: **LCS-29680** SampType: **LCS** TestCode: **8081_W** Units: **µg/L** Prep Date: **8/10/2006** RunNo: **66500**
Client ID: **LCSW** Batch ID: **29680** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **8/10/2006** SeqNo: **989077**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aldrin	0.539	0.025	0.5000	0	108	73	126				
Dieldrin	0.512	0.050	0.5000	0	102	72	123				
Endrin	0.536	0.050	0.5000	0	107	84	137				
gamma-BHC	0.528	0.025	0.5000	0	106	75	129				
Heptachlor	0.551	0.025	0.5000	0	110	64	145				
Surr: Tetrachloro-m-xylene	0.424		0.5000		84.7	50	116				
Surr: Decachlorobiphenyl	0.375		0.5000		75.0	32	107				

Sample ID: **MB-29680MS** SampType: **MS** TestCode: **8081_W** Units: **µg/L** Prep Date: **8/10/2006** RunNo: **66500**
Client ID: **ZZZZZZ** Batch ID: **29680** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **8/10/2006** SeqNo: **989079**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	0.535	0.050	0.5000	0	107	61	129				
Aldrin	0.545	0.025	0.5000	0	109	73	126				
Dieldrin	0.518	0.050	0.5000	0	104	72	123				
Endrin	0.564	0.050	0.5000	0	113	84	137				
gamma-BHC	0.532	0.025	0.5000	0	106	75	129				
Heptachlor	0.558	0.025	0.5000	0	112	64	145				
Surr: Tetrachloro-m-xylene	0.415		0.5000		83.0	50	116				
Surr: Decachlorobiphenyl	0.402		0.5000		80.4	32	107				

Sample ID: **MB-29680MSD** SampType: **MSD** TestCode: **8081_W** Units: **µg/L** Prep Date: **8/10/2006** RunNo: **66500**
Client ID: **ZZZZZZ** Batch ID: **29680** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **8/10/2006** SeqNo: **989080**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	0.546	0.050	0.5000	0	109	61	129	0.5353	1.92	30	
Aldrin	0.565	0.025	0.5000	0	113	73	126	0.5448	3.70	30	
Dieldrin	0.534	0.050	0.5000	0	107	72	123	0.5185	2.90	30	
Endrin	0.557	0.050	0.5000	0	111	84	137	0.5642	1.26	30	
gamma-BHC	0.552	0.025	0.5000	0	110	75	129	0.5325	3.63	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_W

Sample ID: **MB-29680MSD**	SampType: **MSD**	TestCode: **8081_W**	Units: **µg/L**	Prep Date: **8/10/2006**	RunNo: **66500**
Client ID: **ZZZZZZ**	Batch ID: **29680**	TestNo: **EPA 8081A**	**EPA 3510C**	Analysis Date: **8/10/2006**	SeqNo: **989080**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Heptachlor	0.577	0.025	0.5000	0	115	64	145	0.5583	3.36	30	
Surr: Tetrachloro-m-xylene	0.426		0.5000		85.2	50	116		0	30	
Surr: Decachlorobiphenyl	0.406		0.5000		81.2	32	107		0	30	

Sample ID: **MB-29680**	SampType: **MBLK**	TestCode: **8081_W**	Units: **µg/L**	Prep Date: **8/10/2006**	RunNo: **66500**
Client ID: **PBW**	Batch ID: **29680**	TestNo: **EPA 8081A**	**EPA 3510C**	Analysis Date: **8/11/2006**	SeqNo: **990839**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	0.050									
4,4´-DDE	ND	0.050									
4,4´-DDT	ND	0.050									
Aldrin	ND	0.025									
alpha-BHC	ND	0.025									
alpha-Chlordane	ND	0.025									
beta-BHC	ND	0.025									
Chlordane	ND	0.25									
delta-BHC	ND	0.025									
Dieldrin	ND	0.050									
Endosulfan I	ND	0.025									
Endosulfan II	ND	0.050									
Endosulfan sulfate	ND	0.050									
Endrin	ND	0.050									
Endrin aldehyde	ND	0.050									
Endrin ketone	ND	0.050									
gamma-BHC	ND	0.025									
gamma-Chlordane	ND	0.025									
Heptachlor	ND	0.025									
Heptachlor epoxide	ND	0.025									
Methoxychlor	ND	0.25									
Toxaphene	ND	2.5									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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Work Order: 085966
Project: I-5 EXPANSION/CALTRANS, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_W

Sample ID: **MB-29680** SampType: **MBLK** TestCode: **8081_W** Units: **µg/L** Prep Date: **8/10/2006** RunNo: **66500**
Client ID: **PBW** Batch ID: **29680** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **8/11/2006** SeqNo: **990839**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Tetrachloro-m-xylene	0.411		0.5000		82.2	50	116				
Surr: Decachlorobiphenyl	0.396		0.5000		79.2	32	107				

Sample ID: **LCS-29680** SampType: **LCS** TestCode: **8081_W** Units: **µg/L** Prep Date: **8/10/2006** RunNo: **66500**
Client ID: **LCSW** Batch ID: **29680** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **8/11/2006** SeqNo: **990840**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	0.532	0.050	0.5000	0	106	61	129				
Aldrin	0.535	0.025	0.5000	0	107	73	126				
Dieldrin	0.515	0.050	0.5000	0	103	72	123				
Endrin	0.539	0.050	0.5000	0	108	84	137				
gamma-BHC	0.525	0.025	0.5000	0	105	75	129				
Heptachlor	0.546	0.025	0.5000	0	109	64	145				
Surr: Tetrachloro-m-xylene	0.418		0.5000		83.7	50	116				
Surr: Decachlorobiphenyl	0.383		0.5000		76.6	32	107				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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DO	Surrogate Diluted Out		Calculations are based on raw values		

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ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	**8/18/06**
Sampling Date:	**8/4/06**
Date Sample Received:	**8/10/06**
Date Extracted:	**8/11/06**
Date Analyzed:	**August 16 and 17, 2006**
Analyzed By:	**EA**
Method:	**EPA 8141A**
Sample Type:	**Soil and Water**
Sample Log Number:	**06-5381 to 06-5396**

The sample(s) were analyzed with EPA methodology or equivalent methods as specified on the attached "Analyses Results" report. The symbol for "less than" indicates a value below the reportable detection limit.

The results of these analyses and the quality control data are enclosed.

Ellen Atienza
Operations Manager

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Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	**8/18/06**
Sampling Date:	**8/4/06**
Date Sample Received:	**8/10/06**
Date Extracted:	**8/11/06**
Date Analyzed:	**August 16, 2006**
Analyzed By:	**EA**
Sample Type:	**Soil**
Method:	**EPA 8141A**
Units:	**µg/kg**

ANALYSES RESULTS

Analysis	**Detection Limit**	**Log Number:**	**06-5381**	**06-5382**
		Sample ID:	**085966-001B**	**085966-002B**
			15NB-GIM-HA331-1.0	**15NB-GIM-HA332-0.5**
Azinphos Methyl	5.0		<DL	<DL
Bolstar	5.0		<DL	<DL
Coumaphos	5.0		<DL	<DL
Demeton	5.0		<DL	<DL
Diazinon	5.0		<DL	<DL
Dichlorvos	5.0		<DL	<DL
Disulfoton	5.0		<DL	<DL
Dursban (Chlorpyrifos)	5.0		<DL	<DL
Ethoprop	5.0		<DL	<DL
Fensulfothion	10.0		<DL	<DL
Fenthion	5.0		<DL	<DL
Gardona (Stirophos)	5.0		<DL	<DL
Malathion	5.0		<DL	<DL
Merphos	5.0		<DL	<DL
Methyl Parathion	5.0		<DL	<DL
Mevinphos	5.0		<DL	<DL
Naled	5.0		<DL	<DL
Phorate	5.0		<DL	<DL
Ronnel	5.0		<DL	<DL
Tokuthion	5.0		<DL	<DL
Trichloronate	5.0		<DL	<DL

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Attn: Ms. Rachelle Arada

Date of Report:	8/18/06
Sampling Date:	8/4/06
Date Sample Received:	8/10/06
Date Extracted:	8/11/06
Date Analyzed:	August 16, 2006
Analyzed By:	EA
Sample Type:	Soil
Method:	EPA 8141A
Units:	µg/kg

ANALYSES RESULTS

Analysis	Detection Limit	Log Number:	06-5383	06-5384
		Sample ID:	085966-003B 15NB-GIM-HA333-1.5	085966-004B 15NB-GIM-HA334-1.0
Azinphos Methyl	5.0		<DL	<DL
Bolstar	5.0		<DL	<DL
Coumaphos	5.0		<DL	<DL
Demeton	5.0		<DL	<DL
Diazinon	5.0		<DL	<DL
Dichlorvos	5.0		<DL	<DL
Disulfoton	5.0		<DL	<DL
Dursban (Chlorpyrifos)	5.0		<DL	<DL
Ethoprop	5.0		<DL	<DL
Fensulfothion	10.0		<DL	<DL
Fenthion	5.0		<DL	<DL
Gardona (Stirophos)	5.0		<DL	<DL
Malathion	5.0		<DL	<DL
Merphos	5.0		<DL	<DL
Methyl Parathion	5.0		<DL	<DL
Mevinphos	5.0		<DL	<DL
Naled	5.0		<DL	<DL
Phorate	5.0		<DL	<DL
Ronnel	5.0		<DL	<DL
Tokuthion	5.0		<DL	<DL
Trichloronate	5.0		<DL	<DL

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Attn: Ms. Rachelle Arada

Date of Report:	8/18/06
Sampling Date:	8/4/06
Date Sample Received:	8/10/06
Date Extracted:	8/11/06
Date Analyzed:	August 16, 2006
Analyzed By:	EA
Sample Type:	Soil
Method:	EPA 8141A
Units:	µg/kg

ANALYSES RESULTS

Analysis	Detection Limit	Log Number:	06-5385	06-5386
		Sample ID:	085966-005B 15NB-GIM-HA335-0.5	085966-006B 15NB-GIM-HA336-1.0
Azinphos Methyl	5.0		<DL	<DL
Bolstar	5.0		<DL	<DL
Coumaphos	5.0		<DL	<DL
Demeton	5.0		<DL	<DL
Diazinon	5.0		<DL	<DL
Dichlorvos	5.0		<DL	<DL
Disulfoton	5.0		<DL	<DL
Dursban (Chlorpyrifos)	5.0		<DL	<DL
Ethoprop	5.0		<DL	<DL
Fensulfothion	10.0		<DL	<DL
Fenthion	5.0		<DL	<DL
Gardona (Stirophos)	5.0		<DL	<DL
Malathion	5.0		<DL	<DL
Merphos	5.0		<DL	<DL
Methyl Parathion	5.0		<DL	<DL
Mevinphos	5.0		<DL	<DL
Naled	5.0		<DL	<DL
Phorate	5.0		<DL	<DL
Ronnel	5.0		<DL	<DL
Tokuthion	5.0		<DL	<DL
Trichloronate	5.0		<DL	<DL

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Attn: Ms. Rachelle Arada

Date of Report:	**8/18/06**
Sampling Date:	**8/4/06**
Date Sample Received:	**8/10/06**
Date Extracted:	**8/11/06**
Date Analyzed:	**August 16, 2006**
Analyzed By:	**EA**
Sample Type:	**Soil**
Method:	**EPA 8141A**
Units:	**µg/kg**

ANALYSES RESULTS

Analysis	**Detection Limit**	**Log Number:**	**06-5387**	**06-5388**
		Sample ID:	**085966-007B** 15NB-GIM-HA337-1.5	**085966-008B** 15NB-GIM-HA338-0.5
Azinphos Methyl	5.0		<DL	<DL
Bolstar	5.0		<DL	<DL
Coumaphos	5.0		<DL	<DL
Demeton	5.0		<DL	<DL
Diazinon	5.0		<DL	<DL
Dichlorvos	5.0		<DL	<DL
Disulfoton	5.0		<DL	<DL
Dursban (Chlorpyrifos)	5.0		<DL	<DL
Ethoprop	5.0		<DL	<DL
Fensulfothion	10.0		<DL	<DL
Fenthion	5.0		<DL	<DL
Gardona (Stirophos)	5.0		<DL	<DL
Malathion	5.0		<DL	<DL
Merphos	5.0		<DL	<DL
Methyl Parathion	5.0		<DL	<DL
Mevinphos	5.0		<DL	<DL
Naled	5.0		<DL	<DL
Phorate	5.0		<DL	<DL
Ronnel	5.0		<DL	<DL
Tokuthion	5.0		<DL	<DL
Trichloronate	5.0		<DL	<DL

Ellen Atienza
Operations Manager

D-TEK Analytical Laboratories, Inc.
9020 Kenamar Drive, Suite 205
San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	**8/18/06**
Sampling Date:	**8/4/06**
Date Sample Received:	**8/10/06**
Date Extracted:	**8/11/06**
Date Analyzed:	**August 16, 2006**
Analyzed By:	**EA**
Sample Type:	**Soil**
Method:	**EPA 8141A**
Units:	**µg/kg**

ANALYSES RESULTS

Analysis	**Detection Limit**	**Log Number:**	**06-5389**	**06-5390**
		Sample ID:	**085966-009B** 15NB-GIM-HA339-0.5	**085966-010B** 15NB-GIM-HA340-1.0
Azinphos Methyl	5.0		<DL	<DL
Bolstar	5.0		<DL	<DL
Coumaphos	5.0		<DL	<DL
Demeton	5.0		<DL	<DL
Diazinon	5.0		<DL	<DL
Dichlorvos	5.0		<DL	<DL
Disulfoton	5.0		<DL	<DL
Dursban (Chlorpyrifos)	5.0		<DL	<DL
Ethoprop	5.0		<DL	<DL
Fensulfothion	10.0		<DL	<DL
Fenthion	5.0		<DL	<DL
Gardona (Stirophos)	5.0		<DL	<DL
Malathion	5.0		<DL	<DL
Merphos	5.0		<DL	<DL
Methyl Parathion	5.0		<DL	<DL
Mevinphos	5.0		<DL	<DL
Naled	5.0		<DL	<DL
Phorate	5.0		<DL	<DL
Ronnel	5.0		<DL	<DL
Tokuthion	5.0		<DL	<DL
Trichloronate	5.0		<DL	<DL

Ellen Atienza
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ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	8/18/06
Sampling Date:	8/4/06
Date Sample Received:	8/10/06
Date Extracted:	8/11/06
Date Analyzed:	August 16, 2006
Analyzed By:	EA
Sample Type:	Soil
Method:	EPA 8141A
Units:	µg/kg

ANALYSES RESULTS

Analysis	Detection Limit	Log Number:	06-5391	06-5392
		Sample ID:	085966-011B 15NB-GIM-HA341-1.5	085966-012B 15NB-GIM-HA342-1.0
Azinphos Methyl	5.0		<DL	<DL
Bolstar	5.0		<DL	<DL
Coumaphos	5.0		<DL	<DL
Demeton	5.0		<DL	<DL
Diazinon	5.0		<DL	<DL
Dichlorvos	5.0		<DL	<DL
Disulfoton	5.0		<DL	<DL
Dursban (Chlorpyrifos)	5.0		<DL	<DL
Ethoprop	5.0		<DL	<DL
Fensulfothion	10.0		<DL	<DL
Fenthion	5.0		<DL	<DL
Gardona (Stirophos)	5.0		<DL	<DL
Malathion	5.0		<DL	<DL
Merphos	5.0		<DL	<DL
Methyl Parathion	5.0		<DL	<DL
Mevinphos	5.0		<DL	<DL
Naled	5.0		<DL	<DL
Phorate	5.0		<DL	<DL
Ronnel	5.0		<DL	<DL
Tokuthion	5.0		<DL	<DL
Trichloronate	5.0		<DL	<DL

Ellen Atienza
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ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	**8/18/06**
Sampling Date:	**8/4/06**
Date Sample Received:	**8/10/06**
Date Extracted:	**8/11/06**
Date Analyzed:	**August 16, 2006**
Analyzed By:	**EA**
Sample Type:	**Soil**
Method:	**EPA 8141A**
Units:	**µg/kg**

ANALYSES RESULTS

Analysis	**Detection Limit**	**Log Number:**	**06-5393**	**06-5394**
		Sample ID:	**085966-013B**	**085966-014B**
			15NB-GIM-HA343-1.0	**15NB-GIM-HA344-0.5**
Azinphos Methyl	5.0		<DL	<DL
Bolstar	5.0		<DL	<DL
Coumaphos	5.0		<DL	<DL
Demeton	5.0		<DL	<DL
Diazinon	5.0		<DL	<DL
Dichlorvos	5.0		<DL	<DL
Disulfoton	5.0		<DL	<DL
Dursban (Chlorpyrifos)	5.0		<DL	<DL
Ethoprop	5.0		<DL	<DL
Fensulfothion	10.0		<DL	<DL
Fenthion	5.0		<DL	<DL
Gardona (Stirophos)	5.0		<DL	<DL
Malathion	5.0		<DL	<DL
Merphos	5.0		<DL	<DL
Methyl Parathion	5.0		<DL	<DL
Mevinphos	5.0		<DL	<DL
Naled	5.0		<DL	<DL
Phorate	5.0		<DL	<DL
Ronnel	5.0		<DL	<DL
Tokuthion	5.0		<DL	<DL
Trichloronate	5.0		<DL	<DL

Ellen Atienza
Operations Manager

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San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	8/18/06
Sampling Date:	8/4/06
Date Sample Received:	8/10/06
Date Extracted:	8/11/06
Date Analyzed:	August 16, 2006
Analyzed By:	EA
Sample Type:	Soil
Method:	EPA 8141A
Unit:	µg/kg

ANALYSES RESULTS

Analysis	**Detection Limit**	**Log Number:**	06-5395
		Sample ID:	085966-015B 15NB-GIM-HA345-0.5
Azinphos Methyl	5.0		<DL
Bolstar	5.0		<DL
Coumaphos	5.0		<DL
Demeton	5.0		<DL
Diazinon	5.0		<DL
Dichlorvos	5.0		<DL
Disulfoton	5.0		<DL
Dursban (Chlorpyrifos)	5.0		<DL
Ethoprop	5.0		<DL
Fensulfothion	10.0		<DL
Fenthion	5.0		<DL
Gardona (Stirophos)	5.0		<DL
Malathion	5.0		<DL
Merphos	5.0		<DL
Methyl Parathion	5.0		<DL
Mevinphos	5.0		<DL
Naled	5.0		<DL
Phorate	5.0		<DL
Ronnel	5.0		<DL
Tokuthion	5.0		<DL
Trichloronate	5.0		<DL

Ellen Atienza
Operations Manager

D-TEK Analytical Laboratories, Inc.

9020 Kenamar Drive, Suite 205
San Diego, CA 92121
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QUALITY CONTROL DATA REPORT

Date:	**8/18/06**
Attn:	**Ms. Rachelle Arada**
Date Extracted:	**8/11/06**
Date Analyzed:	**August 16, 2006**
Analysis Method:	**EPA 8141A**
Log #:	**06-5381 to 06-5395**

Method Blank

No target analytes were detected in the method blank.

Laboratory Control Sample

Compound	% Recovery	QC Limits	DUP % Recovery	%RPD	RPD Limits
Diazinon	102	40-130	104	2	30
Methyl Parathion	85	40-130	87	2	30
Dursban (Chlorpyrifos)	99	40-130	89	11	30
Gardona (Stirophos)	70	40-130	71	1	30

QUALITY CONTROL TERMINOLOGY

- **LCS - LABORATORY CONTROL SAMPLE.** Reported as % recovery of an independent standard carried through all sample preparation procedures to verify method performance. Acceptable range is based on historical laboratory control data and EPA requirements. Any out-of-control QC data is clearly indicated.
- **Spike-** environmental sample is matrix spiked with method compounds and % recovery of concentration spiked into sample is calculated. Reported as % recovery. Acceptable range for "Normal Matrix Sample" is based on historical laboratory control data. Any out-of-control QC data is clearly indicated.
- **Surrogates-** Compounds representative of a group of compounds. Surrogates are spiked into environmental samples and % recovery of concentration spiked is calculated and reported. Acceptable range varies depending on sample matrix and analysis method. Any out-of-control QC data is clearly indicated.

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SURROGATE RECOVERIES
(Tributylphosphate)

Log #	Percent Recovery:
Method Blank	112
06-5381	109
06-5382	128
06-5383	118
06-5384	144
06-5385	124
06-5386	123
06-5387	126
06-5388	99
06-5389	122
06-5390	134
06-5391	104
06-5392	114
06-5393	112
06-5394	108
06-5395	127
LCS	112
LCS Dup	108

QC limits: 50 to 170%

Ellen Atienza
Operations Manager

QUALITY CONTROL TERMINOLOGY

- **LCS - LABORATORY CONTROL SAMPLE.** Reported as % recovery of an independent standard carried through all sample preparation procedures to verify method performance. Acceptable range is based on historical laboratory control data and EPA requirements. Any out-of-control QC data is clearly indicated.
- **Spike-** environmental sample is matrix spiked with method compounds and % recovery of concentration spiked into sample is calculated. Reported as % recovery. Acceptable range for "Normal Matrix Sample" is based on historical laboratory control data. Any out-of-control QC data is clearly indicated.
- **Surrogates-** Compounds representative of a group of compounds. Surrogates are spiked into environmental samples and % recovery of concentration spiked is calculated and reported. Acceptable range varies depending on sample matrix and analysis method. Any out-of-control QC data is clearly indicated.

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ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	**8/18/06**
Sampling Date:	**8/4/06**
Date Sample Received:	**8/10/06**
Date Extracted:	**8/10/06**
Date Analyzed:	**August 17, 2006**
Analyzed By:	**EA**
Sample Type:	**Water**
Method:	**EPA 8141A**
Unit:	**µg/l**

ANALYSES RESULTS

Analysis	**Detection Limit**	**Log Number:**	**06-5396**
		Sample ID:	**0859566-017A**
			Equip-HA02-080406
Azinphos Methyl	1.5		<DL
Bolstar	0.15		<DL
Coumaphos	1.5		<DL
Demeton	0.25		<DL
Diazinon	0.1		<DL
Dichlorvos	0.1		<DL
Disulfoton	0.2		<DL
Dursban (Chlorpyrifos)	0.1		<DL
Ethoprop	0.25		<DL
Fensulfothion	2.5		<DL
Fenthion	0.1		<DL
Gardona (Stirophos)	0.5		<DL
Malathion	0.1		<DL
Merphos	0.25		<DL
Methyl Parathion	0.1		<DL
Mevinphos	0.3		<DL
Naled	0.1		<DL
Phorate	0.15		<DL
Ronnel	0.3		<DL
Tokuthion	0.5		<DL
Trichloronate	0.15		<DL

Ellen Atienza
Operations Manager

D-TEK Analytical Laboratories, Inc.
9020 Kenamar Drive, Suite 205
San Diego, CA 92121
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QUALITY CONTROL DATA REPORT

Date:	**8/18/06**
Attn:	**Ms. Rachelle Arada**
Date Extracted:	**8/11/06**
Date Analyzed:	**August 17, 2006**
Analysis Method:	**EPA 8141A**
Log #:	**06-5396**

Method Blank

No target analytes were detected in the method blank.

Laboratory Control Sample

Compound	% Recovery	QC Limits	DUP % Recovery	%RPD	RPD Limits
Diazinon	115	40-130	125	8	30
Methyl Parathion	115	40-130	115	0	30
Dursban (Chlorpyrifos)	98	40-130	113	14	30
Gardona (Stirophos)	106	40-130	111	5	30

SURROGATE RECOVERIES
(Tributylphosphate)

Log #	Percent Recovery:
Method Blank	92
06-5396	75
LCS	80
LCS Dup	98

QC limits: 50 to 170%

Ellen Atienza
Operations Manager

QUALITY CONTROL TERMINOLOGY

- **LCS - LABORATORY CONTROL SAMPLE.** Reported as % recovery of an independent standard carried through all sample preparation procedures to verify method performance. Acceptable range is based on historical laboratory control data and EPA requirements. Any out-of-control QC data is clearly indicated.
- **Spike**- environmental sample is matrix spiked with method compounds and % recovery of concentration spiked into sample is calculated. Reported as % recovery. Acceptable range for "Normal Matrix Sample" is based on historical laboratory control data. Any out-of-control QC data is clearly indicated.
- **Surrogates**- Compounds representative of a group of compounds. Surrogates are spiked into environmental samples and % recovery of concentration spiked is calculated and reported. Acceptable range varies depending on sample matrix and analysis method. Any out-of-control QC data is clearly indicated.

0612661

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755-5225
TEL: 5629894045 FAX: 5629894040

CHAIN-OF-CUSTODY RECORD

QC Level: CT

Subcontractor:
D-Tek
9020 Kenamar Drive, Suite 205
San Diego, CA 92121

TEL: (858) 566-4540
FAX: (858) 566-4542
Acct #:

08-Aug-06

	Sample ID	Matrix	Date Collected	Bottle Type	EPA 8141A	Requested Tests
085966-001B	/ I5NB-GIM-HA331-1.0	Soil	8/4/2006 9:30:00 AM	4OZG	1	06-5381
085966-002B	/ I5NB-GIM-HA332-0.5	Soil	8/4/2006 9:45:00 AM	4OZG	1	06-5382
085966-003B	/ I5NB-GIM-HA333-1.5	Soil	8/4/2006 10:00:00 AM	4OZG	1	06-5383
085966-004B	/ I5NB-GIM-HA334-1.0	Soil	8/4/2006 10:25:00 AM	4OZG	1	06-5384
085966-005B	/ I5NB-GIM-HA335-0.5	Soil	8/4/2006 10:50:00 AM	4OZG	1	06-5385
085966-006B	/ I5NB-GIM-HA336-1.0	Soil	8/4/2006 11:15:00 AM	4OZG	1	06-5386
085966-007B	/ I5NB-GIM-HA337-1.5	Soil	8/4/2006 11:40:00 AM	4OZG	1	06-5387
085966-008B	/ I5NB-GIM-HA338-0.5	Soil	8/4/2006 12:55:00 PM	4OZG	1	06-5388
085966-009B	/ I5NB-GIM-HA339-0.5	Soil	8/4/2006 1:12:00 PM	4OZG	1	06-5389
085966-010B	/ I5NB-GIM-HA340-1.0	Soil	8/4/2006 1:30:00 PM	4OZG	1	06-5390
085966-011B	/ I5NB-GIM-HA341-1.5	Soil	8/4/2006 1:45:00 PM	4OZG	1	06-5391
085966-012B	/ I5NB-GIM-HA342-1.0	Soil	8/4/2006 2:00:00 PM	4OZG	1	06-5392
085966-013B	/ I5NB-GIM-HA343-1.0	Soil	8/4/2006 2:12:00 PM	4OZG	1	06-5393
085966-014B	/ I5NB-GIM-HA344-0.5	Soil	8/4/2006 2:25:00 PM	4OZG	1	06-5394
085966-015B	/ I5NB-GIM-HA345-0.5	Soil	8/4/2006 2:40:00 PM	4OZG	1	06-5395
085966-017A	/ EQUIP-HA02-080406	Water	8/4/2006 2:52:00 PM	32OZA	1	06-5396

General Comments: Please use PO#: SC00851 Please fax results: Normal TAT
Please send report to Rachelle Arada.

		Date/Time			Date/Time
Relinquished by:	[illegible]	[illegible]	Received by:	[illegible]	8/10/06 0800
Relinquished by:			Received by:		

Advanced Technology Labs	Project: NA	
3275 Walnut Avenue	Project Number: PO# SC00852	**Reported:**
Signal Hill CA, 90755	Project Manager: Rachelle Arada	08/23/06 16:30

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
085966-001C / 15NB-GIM-HA331-1.0	0608211-01	Soil	08/04/06 09:30	08/10/06 10:00
085966-002C / 15NB-GIM-HA332-0.5	0608211-02	Soil	08/04/06 09:45	08/10/06 10:00
085966-003C / 15NB-GIM-HA333-1.5	0608211-03	Soil	08/04/06 10:00	08/10/06 10:00
085966-004C / 15NB-GIM-HA334-1.0	0608211-04	Soil	08/04/06 10:25	08/10/06 10:00
085966-005C / 15NB-GIM-HA335-0.5	0608211-05	Soil	08/04/06 10:50	08/10/06 10:00
085966-006C / 15NB-GIM-HA336-1.0	0608211-06	Soil	08/04/06 11:15	08/10/06 10:00
085966-007C / 15NB-GIM-HA-337-1.5	0608211-07	Soil	08/04/06 11:40	08/10/06 10:00
085966-008C / 15NB-GIM-HA338-0.5	0608211-08	Soil	08/04/06 12:55	08/10/06 10:00
085966-009C / 15NB-GIM-HA-339-0.5	0608211-09	Soil	08/04/06 13:12	08/10/06 10:00
085966-010C / 15NB-GIM-HA340-1.0	0608211-10	Soil	08/04/06 13:30	08/10/06 10:00
085966-011C / 15NB-GIM-HA341-1.5	0608211-11	Soil	08/04/06 13:45	08/10/06 10:00
085966-012C / 15NB-GIM-HA342-1.0	0608211-12	Soil	08/04/06 14:00	08/10/06 10:00
085966-013C / 15NB-GIM-HA343-1.0	0608211-13	Soil	08/04/06 14:12	08/10/06 10:00
085966-014C / 15NB-GIM-HA344-0.5	0608211-14	Soil	08/04/06 14:25	08/10/06 10:00
085966-015C / 15NB-GIM-HA345-0.5	0608211-15	Soil	08/04/06 14:40	08/10/06 10:00
085966-018A / EQUIP-HA03-080406	0608211-16	Liquid	08/04/06 14:55	08/10/06 10:00

CASE NARRATIVE

SAMPLE RECEIPT:	Samples were received intact, at 4 °C, and accompanied by chain of custody documentation.
PRESERVATION:	Samples requiring preservation were verified prior to sample preparation and analysis.
HOLDING TIMES:	All holding times were met, unless otherwise noted in the report with data qualifiers.
QA/QC CRITERIA:	All quality objective criteria were met, except as noted in the report with data qualifiers.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653
TELEPHONE: (949) 348-9389 FAX: (949) 348-9115
E-MAIL: SIERRALABS @ SIERRALABS.NET

Advanced Technology Labs 3275 Walnut Avenue Signal Hill CA, 90755	Project: NA Project Number: PO# SC00852 Project Manager: Rachelle Arada	**Reported:** 08/23/06 16:30

Chlorinated Herbicides by EPA Method 8151A

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
085966-001C / 15NB-GIM-HA331-1.0 (0608211-01) Soil	**Sampled: 08/04/06 09:30**		**Received: 08/10/06 10:00**						
2,4,5-T	ND	1.6	µg/kg	1	B6H1614	08/15/06	08/16/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*57.0 %*	*35-150*		*"*	*"*	*"*	*"*	
085966-002C / 15NB-GIM-HA332-0.5 (0608211-02) Soil	**Sampled: 08/04/06 09:45**		**Received: 08/10/06 10:00**						
2,4,5-T	ND	1.6	µg/kg	1	B6H1614	08/15/06	08/16/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*56.8 %*	*35-150*		*"*	*"*	*"*	*"*	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Labs 3275 Walnut Avenue Signal Hill CA, 90755	Project: NA Project Number: PO# SC00852 Project Manager: Rachelle Arada	**Reported:** 08/23/06 16:30

Chlorinated Herbicides by EPA Method 8151A

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
085966-003C / 15NB-GIM-HA333-1.5 (0608211-03) Soil Sampled: 08/04/06 10:00 Received: 08/10/06 10:00									
2,4,5-T	ND	1.6	µg/kg	1	B6H1614	08/15/06	08/16/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*57.8 %*	*35-150*		"	"	"	"	
085966-004C / 15NB-GIM-HA334-1.0 (0608211-04) Soil Sampled: 08/04/06 10:25 Received: 08/10/06 10:00									
2,4,5-T	ND	1.6	µg/kg	1	B6H1614	08/15/06	08/16/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*62.6 %*	*35-150*		"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Labs	Project: NA	
3275 Walnut Avenue	Project Number: PO# SC00852	**Reported:**
Signal Hill CA, 90755	Project Manager: Rachelle Arada	08/23/06 16:30

Chlorinated Herbicides by EPA Method 8151A

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
085966-005C / 15NB-GIM-HA335-0.5 (0608211-05) Soil Sampled: 08/04/06 10:50 Received: 08/10/06 10:00									
2,4,5-T	ND	1.6	µg/kg	1	B6H1614	08/15/06	08/16/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*54.1 %*	*35-150*		"	"	"	"	
085966-006C / 15NB-GIM-HA336-1.0 (0608211-06) Soil Sampled: 08/04/06 11:15 Received: 08/10/06 10:00									
2,4,5-T	ND	1.6	µg/kg	1	B6H1614	08/15/06	08/16/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*53.9 %*	*35-150*		"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Labs 3275 Walnut Avenue Signal Hill CA, 90755	Project: NA Project Number: PO# SC00852 Project Manager: Rachelle Arada	**Reported:** 08/23/06 16:30

Chlorinated Herbicides by EPA Method 8151A

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
085966-007C / 15NB-GIM-HA-337-1.5 (0608211-07) Soil Sampled: 08/04/06 11:40 Received: 08/10/06 10:00									
2,4,5-T	ND	1.6	µg/kg	1	B6H1614	08/15/06	08/16/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*63.3 %*	*35-150*		*"*	*"*	*"*	*"*	
085966-008C / 15NB-GIM-HA338-0.5 (0608211-08) Soil Sampled: 08/04/06 12:55 Received: 08/10/06 10:00									
2,4,5-T	ND	1.6	µg/kg	1	B6H1614	08/15/06	08/16/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*71.5 %*	*35-150*		*"*	*"*	*"*	*"*	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Labs 3275 Walnut Avenue Signal Hill CA, 90755	Project: NA Project Number: PO# SC00852 Project Manager: Rachelle Arada	**Reported:** 08/23/06 16:30

Chlorinated Herbicides by EPA Method 8151A

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
085966-009C / 15NB-GIM-HA-339-0.5 (0608211-09) Soil Sampled: 08/04/06 13:12 Received: 08/10/06 10:00									
2,4,5-T	ND	1.6	µg/kg	1	B6H1614	08/15/06	08/16/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*65.4 %*	*35-150*		"	"	"	"	
085966-010C / 15NB-GIM-HA340-1.0 (0608211-10) Soil Sampled: 08/04/06 13:30 Received: 08/10/06 10:00									
2,4,5-T	ND	1.6	µg/kg	1	B6H1614	08/15/06	08/16/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*43.7 %*	*35-150*		"	"	"	"	

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Advanced Technology Labs 3275 Walnut Avenue Signal Hill CA, 90755	Project: NA Project Number: PO# SC00852 Project Manager: Rachelle Arada	**Reported:** 08/23/06 16:30

Chlorinated Herbicides by EPA Method 8151A

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
085966-011C / 15NB-GIM-HA341-1.5 (0608211-11) Soil Sampled: 08/04/06 13:45 Received: 08/10/06 10:00									
2,4,5-T	ND	1.6	µg/kg	1	B6H1614	08/15/06	08/16/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*49.0 %*	*35-150*		"	"	"	"	
085966-012C / 15NB-GIM-HA342-1.0 (0608211-12) Soil Sampled: 08/04/06 14:00 Received: 08/10/06 10:00									
2,4,5-T	ND	1.6	µg/kg	1	B6H1614	08/15/06	08/16/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*61.4 %*	*35-150*		"	"	"	"	

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Advanced Technology Labs 3275 Walnut Avenue Signal Hill CA, 90755	Project: NA Project Number: PO# SC00852 Project Manager: Rachelle Arada	**Reported:** 08/23/06 16:30

Chlorinated Herbicides by EPA Method 8151A

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
085966-013C / 15NB-GIM-HA343-1.0 (0608211-13) Soil Sampled: 08/04/06 14:12 Received: 08/10/06 10:00									
2,4,5-T	ND	1.6	µg/kg	1	B6H1614	08/15/06	08/16/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*71.6 %*	*35-150*		"	"	"	"	
085966-014C / 15NB-GIM-HA344-0.5 (0608211-14) Soil Sampled: 08/04/06 14:25 Received: 08/10/06 10:00									
2,4,5-T	ND	1.6	µg/kg	1	B6H1614	08/15/06	08/16/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*55.8 %*	*35-150*		"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Labs 3275 Walnut Avenue Signal Hill CA, 90755	Project: NA Project Number: PO# SC00852 Project Manager: Rachelle Arada	**Reported:** 08/23/06 16:30

Chlorinated Herbicides by EPA Method 8151A

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
085966-015C / 15NB-GIM-HA345-0.5 (0608211-15) Soil Sampled: 08/04/06 14:40 Received: 08/10/06 10:00									
2,4,5-T	ND	1.6	µg/kg	1	B6H1614	08/15/06	08/16/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*51.4 %*	*35-150*		"	"	"	"	
085966-018A / EQUIP-HA03-080406 (0608211-16) Liquid Sampled: 08/04/06 14:55 Received: 08/10/06 10:00									
2,4,5-T	ND	0.080	µg/L	1	B6H1408	08/11/06	08/11/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	0.080	"	"	"	"	"	"	
2,4-D	ND	0.080	"	"	"	"	"	"	
2,4-DB	ND	0.20	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	0.10	"	"	"	"	"	"	
4-Nitrophenol	ND	0.10	"	"	"	"	"	"	
Acifluorfen	ND	0.080	"	"	"	"	"	"	
Bentazon	ND	0.080	"	"	"	"	"	"	
Chloramben	ND	0.080	"	"	"	"	"	"	
Dalapon	ND	1.0	"	"	"	"	"	"	
DCPA diacid	ND	0.080	"	"	"	"	"	"	
Dicamba	ND	0.080	"	"	"	"	"	"	
Dichlorprop	ND	0.080	"	"	"	"	"	"	
Dinoseb	ND	0.080	"	"	"	"	"	"	
Pentachlorophenol	ND	0.080	"	"	"	"	"	"	
Picloram	ND	0.080	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*50.8 %*	*35-150*		"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Labs 3275 Walnut Avenue Signal Hill CA, 90755	Project: NA Project Number: PO# SC00852 Project Manager: Rachelle Arada	**Reported:** 08/23/06 16:30

Chlorinated Herbicides by EPA Method 8151A - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6H1408 - EPA 8151A Herbicides										
Blank (B6H1408-BLK1)				Prepared & Analyzed: 08/11/06						
2,4,5-T	ND	0.080	µg/L							
2,4,5-TP (Silvex)	ND	0.080	"							
2,4-D	ND	0.080	"							
2,4-DB	ND	0.20	"							
3,5-Dichlorobenzoic acid	ND	0.10	"							
4-Nitrophenol	ND	0.10	"							
Acifluorfen	ND	0.080	"							
Bentazon	ND	0.080	"							
Chloramben	ND	0.080	"							
Dalapon	ND	1.0	"							
DCPA diacid	ND	0.080	"							
Dicamba	ND	0.080	"							
Dichlorprop	ND	0.080	"							
Dinoseb	ND	0.080	"							
Pentachlorophenol	ND	0.080	"							
Picloram	ND	0.080	"							
Surrogate: 2,4-Dichlorophenylacetic Acid	*2.83*		*"*	*5.00*		*56.6*	*35-150*			
LCS (B6H1408-BS1)				Prepared & Analyzed: 08/11/06						
2,4,5-T	0.295	0.080	µg/L	0.500		59.0	20-150			
2,4,5-TP (Silvex)	0.506	0.080	"	0.500		101	20-150			
Dichlorprop	0.393	0.080	"	0.500		78.6	20-150			
Dinoseb	0.166	0.080	"	0.500		33.2	20-150			
Matrix Spike (B6H1408-MS1)		**Source: 0608211-16**		Prepared & Analyzed: 08/11/06						
2,4,5-T	0.410	0.080	µg/L	0.500	ND	82.0	20-150			
2,4,5-TP (Silvex)	0.614	0.080	"	0.500	ND	123	20-150			
Dichlorprop	0.543	0.080	"	0.500	ND	109	20-150			
Dinoseb	0.243	0.080	"	0.500	ND	48.6	20-150			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Labs 3275 Walnut Avenue Signal Hill CA, 90755	Project: NA Project Number: PO# SC00852 Project Manager: Rachelle Arada	**Reported:** 08/23/06 16:30

Chlorinated Herbicides by EPA Method 8151A - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6H1408 - EPA 8151A Herbicides										
Matrix Spike Dup (B6H1408-MSD1)		**Source: 0608211-16**		Prepared & Analyzed: 08/11/06						
2,4,5-T	0.372	0.080	µg/L	0.500	ND	74.4	20-150	9.72	30	
2,4,5-TP (Silvex)	0.477	0.080	"	0.500	ND	95.4	20-150	25.1	30	
Dichlorprop	0.487	0.080	"	0.500	ND	97.4	20-150	10.9	30	
Dinoseb	0.194	0.080	"	0.500	ND	38.8	20-150	22.4	30	
Batch B6H1614 - EPA 8151A Herbicides										
Blank (B6H1614-BLK1)				Prepared: 08/15/06 Analyzed: 08/16/06						
2,4,5-T	ND	1.6	µg/kg							
2,4,5-TP (Silvex)	ND	1.6	"							
2,4-D	ND	1.6	"							
2,4-DB	ND	4.0	"							
3,5-Dichlorobenzoic acid	ND	2.0	"							
4-Nitrophenol	ND	2.0	"							
Acifluorfen	ND	1.6	"							
Bentazon	ND	1.6	"							
Chloramben	ND	1.6	"							
Dalapon	ND	20	"							
DCPA diacid	ND	1.6	"							
Dicamba	ND	1.6	"							
Dichlorprop	ND	1.6	"							
Dinoseb	ND	1.6	"							
Pentachlorophenol	ND	1.6	"							
Picloram	ND	1.6	"							
Surrogate: 2,4-Dichlorophenylacetic Acid	*57.1*		*"*	*100*		*57.1*	*35-150*			
LCS (B6H1614-BS1)				Prepared: 08/15/06 Analyzed: 08/16/06						
2,4,5-T	11.1	1.6	µg/kg	10.0		111	20-150			
2,4,5-TP (Silvex)	14.4	1.6	"	10.0		144	20-150			
Dichlorprop	14.0	1.6	"	10.0		140	20-150			
Dinoseb	9.28	1.6	"	10.0		92.8	20-150			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Labs	Project: NA	
3275 Walnut Avenue	Project Number: PO# SC00852	**Reported:**
Signal Hill CA, 90755	Project Manager: Rachelle Arada	08/23/06 16:30

Chlorinated Herbicides by EPA Method 8151A - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6H1614 - EPA 8151A Herbicides										
Matrix Spike (B6H1614-MS1)		**Source: 0608211-15**		Prepared: 08/15/06	Analyzed: 08/16/06					
2,4,5-T	7.48	1.6	µg/kg	10.0	ND	74.8	20-150			
2,4,5-TP (Silvex)	12.3	1.6	"	10.0	ND	123	20-150			
Dichlorprop	11.3	1.6	"	10.0	ND	113	20-150			
Dinoseb	7.42	1.6	"	10.0	ND	74.2	20-150			
Matrix Spike Dup (B6H1614-MSD1)		**Source: 0608211-15**		Prepared: 08/15/06	Analyzed: 08/16/06					
2,4,5-T	9.25	1.6	µg/kg	10.0	ND	92.5	20-150	21.2	30	
2,4,5-TP (Silvex)	13.5	1.6	"	10.0	ND	135	20-150	9.30	30	
Dichlorprop	12.8	1.6	"	10.0	ND	128	20-150	12.4	30	
Dinoseb	8.04	1.6	"	10.0	ND	80.4	20-150	8.02	30	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653
TELEPHONE: (949) 348-9389 FAX: (949) 348-9115
E-MAIL: SIERRALABS @ SIERRALABS.NET

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755-5225
TEL: *5629894045* FAX: *5629894040*

CHAIN-OF-CUSTODY RECORD

QC Level: CT

Subcontractor:

Sierra Laboratories
26052 Merit Circle Suite 105
Laguna Hills, CA 92653

TEL: (949) 348-9389
FAX: (949) 348-9115
Acct #:

08-Aug-06

	Sample ID	Matrix	Date Collected	Bottle Type	EPA 8151	Requested Tests		
085966-001C	/ I5NB-GIM-HA331-1.0	Soil	8/4/2006 9:30:00 AM	4OZG	1			
085966-002C	/ I5NB-GIM-HA332-0.5	Soil	8/4/2006 9:45:00 AM	4OZG	1			
085966-003C	/ I5NB-GIM-HA333-1.5	Soil	8/4/2006 10:00:00 AM	4OZG	1			
085966-004C	/ I5NB-GIM-HA334-1.0	Soil	8/4/2006 10:25:00 AM	4OZG	1			
085966-005C	/ I5NB-GIM-HA335-0.5	Soil	8/4/2006 10:50:00 AM	4OZG	1			
085966-006C	/ I5NB-GIM-HA336-1.0	Soil	8/4/2006 11:15:00 AM	4OZG	1			
085966-007C	/ I5NB-GIM-HA337-1.5	Soil	8/4/2006 11:40:00 AM	4OZG	1			
085966-008C	/ I5NB-GIM-HA338-0.5	Soil	8/4/2006 12:55:00 PM	4OZG	1			
085966-009C	/ I5NB-GIM-HA339-0.5	Soil	8/4/2006 1:12:00 PM	4OZG	1			
085966-010C	/ I5NB-GIM-HA340-1.0	Soil	8/4/2006 1:30:00 PM	4OZG	1			
085966-011C	/ I5NB-GIM-HA341-1.5	Soil	8/4/2006 1:45:00 PM	4OZG	1			
085966-012C	/ I5NB-GIM-HA342-1.0	Soil	8/4/2006 2:00:00 PM	4OZG	1			
085966-013C	/ I5NB-GIM-HA343-1.0	Soil	8/4/2006 2:12:00 PM	4OZG	1			
085966-014C	/ I5NB-GIM-HA344-0.5	Soil	8/4/2006 2:25:00 PM	4OZG	1			
085966-015C	/ I5NB-GIM-HA345-0.5	Soil	8/4/2006 2:40:00 PM	4OZG	1			
085966-018A	/ EQUIP-HA03-080406	Water	8/4/2006 2:55:00 PM	32OZA	1			

General Comments: Please use PO#: SC00852 Please fax results Normal TAT

Please send report to Rachelle Arada.

		Date/Time		Date/Time
Relinquished by:		8/8/06 8:48	**Received by:**	
Relinquished by:			**Received by:**	

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By: Date: 8/7/06

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other:

Sample Condition Upon Receipt: 1. CHILLED 4.3 Y☑ N☐ 4. SEALED Y☐ N☑ 2. HEADSPACE (VOA) Y☐ N☐ M 5. # OF SPLS MATCH COC Y☐ N☐ 3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☐ N☑

Client: Ninyo and Moore
Attn: Scott Snyder
Address: 5710 RUFFIN RD
City: SAN Diego State: CA Zip Code: 92123
TEL: (858) 576-1000
FAX: (858) 576-9600

Project Name: I-5 EXPANSION / CALTRANS Project #: 105812001 Sampler: (Printed Name) Andrew Lashomb (Signature)

Relinquished by: (Signature and Printed Name) Andrew Lashomb Date: 8-4-06 Time: 8:30 Received by: (Signature and Printed Name) Date: 8-7-06 Time: 9:30
Relinquished by: (Signature and Printed Name) Date: 8-7-06 Time: 6:55p Received by: (Signature and Printed Name) Date: 8/7/06 Time: 1855
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Andrew Lashomb 8-4-06 (Print Name, Date)
Signature

Send Report To: Attn: Scott SNYDER Co: Ninyo + Moore Address: 5710 RUFFIN RD City: SD State: CA Zip: 92123

Bill To: Attn: see info Co: ← Address: City: State: Zip:

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested: 8081A (Pesticides), 8082 (PCB), 8260B (Volatiles), 8270C (BNA), 6010B (Total Metal), 8015B (GRO) / 8020 (BTEX), 8015B (DRO), 8021 (BTEX), TITLE 22 / CAM 17 (6010 / 7000), 8141, 8151

SPECIFY APPROPRIATE MATRIX: SOIL, WATER, GROUND WATER, WASTEWATER

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	8141	8151	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	085966-001	I5NB-GIM-HA331-1.0	8-4-06	9:30	X								X	X	X					E	1	J G	C	
	2	I5NB-GIM-HA332-0.5		9:45																				
	3	I5NB-GIM-HA333-1.5		10:00																				
	4	I5NB-GIM-HA334-1.0		10:25																				1.0'
	5	I5NB-GIM-HA335-0.5		10:50																				
	6	I5NB-GIM-HA336-1.0		11:15																				
	7	I5NB-GIM-HA337-1.5		11:40																				
	8	I5NB-GIM-HA338-0.5		12:55																				
	9	I5NB-GIM-HA339-0.5		13:12																				
	10	I5NB-GIM-HA340-1.0		13:30																				

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:
Logged By: Date: 8/7/06

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other:

Sample Condition Upon Receipt: 1. CHILLED Y☐ N☐ 2. HEADSPACE (VOA) Y☐ N☐ 3. CONTAINER INTACT Y☐ N☐ 4. SEALED Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: Ninyo and Moore
Attn: Scott Snyder
Address: 5710 Ruffin Rd
City: San Diego State: CA Zip Code: 92123
TEL: (858) 576-1000
FAX: (858) 576-9600

Project Name: I5 Expansion / Caltrans Project #: 105812001 Sampler: (Printed Name) Andrew Lashomb (Signature)

Relinquished by: (Signature and Printed Name) Date: 8-4-06 Time: 16:30 Received by: (Signature and Printed Name) Date: 8-7-06 Time: 9:30am
Relinquished by: (Signature and Printed Name) Date: 8-7-06 Time: 6:55 Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Andrew Lashomb 8-4-06 (Print Name, Date)
Signature

Send Report To: Attn: Scott Snyder Co: Ninyo + Moore Address: 5710 Ruffin Rd City: SD State: CA Zip: 92123

Bill To: Attn: See Info Co: ← Address: City: State: Zip:

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested

ITEM	LAB USE ONLY: Batch #: Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	8141	8151	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	083966-011	I5NB-GIM-HA341-1.5	8/4/06	13:45	X								X	X		X				E	1	J G	C	
	12	I5NB-GIM-HA342-1.0		14:00	X											X								
	13	I5NB-GIM-HA343-1.0		14:12	X											X								
	14	I5NB-GIM-HA344-0.5		14:25	X											X								
	15	I5NB-GIM-HA345-0.5		14:40	X											X								
	16	EQUIP-HA01-080406		14:50	X												X					L		
	17	EQUIP-HA02-080406		14:52									X				X					L		
	18	EQUIP-HA03-080406		14:55										X			X					L		

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

Rachelle Arada

From: Scott Snyder [ssnyder@ninyoandmoore.com]
Sent: Wednesday, August 09, 2006 2:38 PM
To: Rachelle Arada
Subject: soil samples

Rachelle,

Please go ahead and analyze all of the soil samples per the chain of custody. This is for the 25 or so soil samples for pest/herb for Caltrans.

Thanks,
Scott

Scott Snyder, PG, HG
Senior Hydrogeologist
Ninyo & Moore
5710 Ruffin Road
San Diego, California 92122
858.576.1000 x1255

D-TEK Analytical Laboratories, Inc.
9020 Kenamar Drive, Suite 205
San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	**8/18/06**
Sampling Date:	**8/4/06**
Date Sample Received:	**8/10/06**
Date Extracted:	**8/11/06**
Date Analyzed:	**August 16 and 17, 2006**
Analyzed By:	**EA**
Method:	**EPA 8141A**
Sample Type:	**Soil and Water**
Sample Log Number:	**06-5381 to 06-5396**

The sample(s) were analyzed with EPA methodology or equivalent methods as specified on the attached "Analyses Results" report. The symbol for "less than" indicates a value below the reportable detection limit.

The results of these analyses and the quality control data are enclosed.

Ellen Atienza
Operations Manager

D-TEK Analytical Laboratories, Inc.
9020 Kenamar Drive, Suite 205
San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	**8/18/06**
Sampling Date:	**8/4/06**
Date Sample Received:	**8/10/06**
Date Extracted:	**8/11/06**
Date Analyzed:	**August 16, 2006**
Analyzed By:	**EA**
Sample Type:	**Soil**
Method:	**EPA 8141A**
Units:	**µg/kg**

ANALYSES RESULTS

Analysis	**Detection Limit**	**Log Number:**	**06-5381**	**06-5382**
		Sample ID:	**085966-001B** 15NB-GIM-HA331-1.0	**085966-002B** 15NB-GIM-HA332-0.5
Azinphos Methyl	5.0		<DL	<DL
Bolstar	5.0		<DL	<DL
Coumaphos	5.0		<DL	<DL
Demeton	5.0		<DL	<DL
Diazinon	5.0		<DL	<DL
Dichlorvos	5.0		<DL	<DL
Disulfoton	5.0		<DL	<DL
Dursban (Chlorpyrifos)	5.0		<DL	<DL
Ethoprop	5.0		<DL	<DL
Fensulfothion	10.0		<DL	<DL
Fenthion	5.0		<DL	<DL
Gardona (Stirophos)	5.0		<DL	<DL
Malathion	5.0		<DL	<DL
Merphos	5.0		<DL	<DL
Methyl Parathion	5.0		<DL	<DL
Mevinphos	5.0		<DL	<DL
Naled	5.0		<DL	<DL
Phorate	5.0		<DL	<DL
Ronnel	5.0		<DL	<DL
Tokuthion	5.0		<DL	<DL
Trichloronate	5.0		<DL	<DL

Ellen Atienza
Operations Manager

D-TEK Analytical Laboratories, Inc.
9020 Kenamar Drive, Suite 205
San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	8/18/06
Sampling Date:	8/4/06
Date Sample Received:	8/10/06
Date Extracted:	8/11/06
Date Analyzed:	August 16, 2006
Analyzed By:	EA
Sample Type:	Soil
Method:	EPA 8141A
Units:	µg/kg

ANALYSES RESULTS

Analysis	Detection Limit	Log Number:	06-5383	06-5384
		Sample ID:	085966-003B 15NB-GIM-HA333-1.5	085966-004B 15NB-GIM-HA334-1.0
Azinphos Methyl	5.0		<DL	<DL
Bolstar	5.0		<DL	<DL
Coumaphos	5.0		<DL	<DL
Demeton	5.0		<DL	<DL
Diazinon	5.0		<DL	<DL
Dichlorvos	5.0		<DL	<DL
Disulfoton	5.0		<DL	<DL
Dursban (Chlorpyrifos)	5.0		<DL	<DL
Ethoprop	5.0		<DL	<DL
Fensulfothion	10.0		<DL	<DL
Fenthion	5.0		<DL	<DL
Gardona (Stirophos)	5.0		<DL	<DL
Malathion	5.0		<DL	<DL
Merphos	5.0		<DL	<DL
Methyl Parathion	5.0		<DL	<DL
Mevinphos	5.0		<DL	<DL
Naled	5.0		<DL	<DL
Phorate	5.0		<DL	<DL
Ronnel	5.0		<DL	<DL
Tokuthion	5.0		<DL	<DL
Trichloronate	5.0		<DL	<DL

Ellen Atienza
Operations Manager

D-TEK Analytical Laboratories, Inc.
9020 Kenamar Drive, Suite 205
San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	8/18/06
Sampling Date:	8/4/06
Date Sample Received:	8/10/06
Date Extracted:	8/11/06
Date Analyzed:	August 16, 2006
Analyzed By:	EA
Sample Type:	Soil
Method:	EPA 8141A
Units:	µg/kg

ANALYSES RESULTS

Analysis	Detection Limit	Log Number:	06-5385	06-5386
		Sample ID:	085966-005B 15NB-GIM-HA335-0.5	085966-006B 15NB-GIM-HA336-1.0
Azinphos Methyl	5.0		<DL	<DL
Bolstar	5.0		<DL	<DL
Coumaphos	5.0		<DL	<DL
Demeton	5.0		<DL	<DL
Diazinon	5.0		<DL	<DL
Dichlorvos	5.0		<DL	<DL
Disulfoton	5.0		<DL	<DL
Dursban (Chlorpyrifos)	5.0		<DL	<DL
Ethoprop	5.0		<DL	<DL
Fensulfothion	10.0		<DL	<DL
Fenthion	5.0		<DL	<DL
Gardona (Stirophos)	5.0		<DL	<DL
Malathion	5.0		<DL	<DL
Merphos	5.0		<DL	<DL
Methyl Parathion	5.0		<DL	<DL
Mevinphos	5.0		<DL	<DL
Naled	5.0		<DL	<DL
Phorate	5.0		<DL	<DL
Ronnel	5.0		<DL	<DL
Tokuthion	5.0		<DL	<DL
Trichloronate	5.0		<DL	<DL

Ellen Atienza
Operations Manager

D-TEK Analytical Laboratories, Inc.
9020 Kenamar Drive, Suite 205
San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	**8/18/06**
Sampling Date:	**8/4/06**
Date Sample Received:	**8/10/06**
Date Extracted:	**8/11/06**
Date Analyzed:	**August 16, 2006**
Analyzed By:	**EA**
Sample Type:	**Soil**
Method:	**EPA 8141A**
Units:	**µg/kg**

ANALYSES RESULTS

Analysis	**Detection Limit**	**Log Number:**	**06-5387**	**06-5388**
		Sample ID:	**085966-007B** 15NB-GIM-HA337-1.5	**085966-008B** 15NB-GIM-HA338-0.5
Azinphos Methyl	5.0		<DL	<DL
Bolstar	5.0		<DL	<DL
Coumaphos	5.0		<DL	<DL
Demeton	5.0		<DL	<DL
Diazinon	5.0		<DL	<DL
Dichlorvos	5.0		<DL	<DL
Disulfoton	5.0		<DL	<DL
Dursban (Chlorpyrifos)	5.0		<DL	<DL
Ethoprop	5.0		<DL	<DL
Fensulfothion	10.0		<DL	<DL
Fenthion	5.0		<DL	<DL
Gardona (Stirophos)	5.0		<DL	<DL
Malathion	5.0		<DL	<DL
Merphos	5.0		<DL	<DL
Methyl Parathion	5.0		<DL	<DL
Mevinphos	5.0		<DL	<DL
Naled	5.0		<DL	<DL
Phorate	5.0		<DL	<DL
Ronnel	5.0		<DL	<DL
Tokuthion	5.0		<DL	<DL
Trichloronate	5.0		<DL	<DL

Ellen Atienza
Operations Manager

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ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	**8/18/06**
Sampling Date:	**8/4/06**
Date Sample Received:	**8/10/06**
Date Extracted:	**8/11/06**
Date Analyzed:	**August 16, 2006**
Analyzed By:	**EA**
Sample Type:	**Soil**
Method:	**EPA 8141A**
Units:	**µg/kg**

ANALYSES RESULTS

Analysis	**Detection Limit**	**Log Number:**	**06-5389**	**06-5390**
		Sample ID:	**085966-009B** 15NB-GIM-HA339-0.5	**085966-010B** 15NB-GIM-HA340-1.0
Azinphos Methyl	5.0		<DL	<DL
Bolstar	5.0		<DL	<DL
Coumaphos	5.0		<DL	<DL
Demeton	5.0		<DL	<DL
Diazinon	5.0		<DL	<DL
Dichlorvos	5.0		<DL	<DL
Disulfoton	5.0		<DL	<DL
Dursban (Chlorpyrifos)	5.0		<DL	<DL
Ethoprop	5.0		<DL	<DL
Fensulfothion	10.0		<DL	<DL
Fenthion	5.0		<DL	<DL
Gardona (Stirophos)	5.0		<DL	<DL
Malathion	5.0		<DL	<DL
Merphos	5.0		<DL	<DL
Methyl Parathion	5.0		<DL	<DL
Mevinphos	5.0		<DL	<DL
Naled	5.0		<DL	<DL
Phorate	5.0		<DL	<DL
Ronnel	5.0		<DL	<DL
Tokuthion	5.0		<DL	<DL
Trichloronate	5.0		<DL	<DL

Ellen Atienza
Operations Manager

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ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	8/18/06
Sampling Date:	8/4/06
Date Sample Received:	8/10/06
Date Extracted:	8/11/06
Date Analyzed:	August 16, 2006
Analyzed By:	EA
Sample Type:	Soil
Method:	EPA 8141A
Units:	µg/kg

ANALYSES RESULTS

Analysis	Detection Limit	Log Number:	06-5391	06-5392
		Sample ID:	085966-011B 15NB-GIM-HA341-1.5	085966-012B 15NB-GIM-HA342-1.0
Azinphos Methyl	5.0		<DL	<DL
Bolstar	5.0		<DL	<DL
Coumaphos	5.0		<DL	<DL
Demeton	5.0		<DL	<DL
Diazinon	5.0		<DL	<DL
Dichlorvos	5.0		<DL	<DL
Disulfoton	5.0		<DL	<DL
Dursban (Chlorpyrifos)	5.0		<DL	<DL
Ethoprop	5.0		<DL	<DL
Fensulfothion	10.0		<DL	<DL
Fenthion	5.0		<DL	<DL
Gardona (Stirophos)	5.0		<DL	<DL
Malathion	5.0		<DL	<DL
Merphos	5.0		<DL	<DL
Methyl Parathion	5.0		<DL	<DL
Mevinphos	5.0		<DL	<DL
Naled	5.0		<DL	<DL
Phorate	5.0		<DL	<DL
Ronnel	5.0		<DL	<DL
Tokuthion	5.0		<DL	<DL
Trichloronate	5.0		<DL	<DL

Ellen Atienza
Operations Manager

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ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	**8/18/06**
Sampling Date:	**8/4/06**
Date Sample Received:	**8/10/06**
Date Extracted:	**8/11/06**
Date Analyzed:	**August 16, 2006**
Analyzed By:	**EA**
Sample Type:	**Soil**
Method:	**EPA 8141A**
Units:	**µg/kg**

ANALYSES RESULTS

Analysis	**Detection Limit**	**Log Number:**	**06-5393**	**06-5394**
		Sample ID:	**085966-013B** 15NB-GIM-HA343-1.0	**085966-014B** 15NB-GIM-HA344-0.5
Azinphos Methyl	5.0		<DL	<DL
Bolstar	5.0		<DL	<DL
Coumaphos	5.0		<DL	<DL
Demeton	5.0		<DL	<DL
Diazinon	5.0		<DL	<DL
Dichlorvos	5.0		<DL	<DL
Disulfoton	5.0		<DL	<DL
Dursban (Chlorpyrifos)	5.0		<DL	<DL
Ethoprop	5.0		<DL	<DL
Fensulfothion	10.0		<DL	<DL
Fenthion	5.0		<DL	<DL
Gardona (Stirophos)	5.0		<DL	<DL
Malathion	5.0		<DL	<DL
Merphos	5.0		<DL	<DL
Methyl Parathion	5.0		<DL	<DL
Mevinphos	5.0		<DL	<DL
Naled	5.0		<DL	<DL
Phorate	5.0		<DL	<DL
Ronnel	5.0		<DL	<DL
Tokuthion	5.0		<DL	<DL
Trichloronate	5.0		<DL	<DL

Ellen Atienza
Operations Manager

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San Diego, CA 92121
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ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	**8/18/06**
Sampling Date:	**8/4/06**
Date Sample Received:	**8/10/06**
Date Extracted:	**8/11/06**
Date Analyzed:	**August 16, 2006**
Analyzed By:	**EA**
Sample Type:	**Soil**
Method:	**EPA 8141A**
Unit:	**µg/kg**

ANALYSES RESULTS

Analysis	**Detection Limit**	**Log Number:**	**06-5395**
		Sample ID:	**085966-015B**
			15NB-GIM-HA345-0.5
Azinphos Methyl	5.0		<DL
Bolstar	5.0		<DL
Coumaphos	5.0		<DL
Demeton	5.0		<DL
Diazinon	5.0		<DL
Dichlorvos	5.0		<DL
Disulfoton	5.0		<DL
Dursban (Chlorpyrifos)	5.0		<DL
Ethoprop	5.0		<DL
Fensulfothion	10.0		<DL
Fenthion	5.0		<DL
Gardona (Stirophos)	5.0		<DL
Malathion	5.0		<DL
Merphos	5.0		<DL
Methyl Parathion	5.0		<DL
Mevinphos	5.0		<DL
Naled	5.0		<DL
Phorate	5.0		<DL
Ronnel	5.0		<DL
Tokuthion	5.0		<DL
Trichloronate	5.0		<DL

Ellen Atienza
Operations Manager

D-TEK Analytical Laboratories, Inc.

9020 Kenamar Drive, Suite 205
San Diego, CA 92121
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QUALITY CONTROL DATA REPORT

Date:	**8/18/06**
Attn:	**Ms. Rachelle Arada**
Date Extracted:	**8/11/06**
Date Analyzed:	**August 16, 2006**
Analysis Method:	**EPA 8141A**
Log #:	**06-5381 to 06-5395**

Method Blank

No target analytes were detected in the method blank.

Laboratory Control Sample

Compound	% Recovery	QC Limits	DUP % Recovery	%RPD	RPD Limits
Diazinon	102	40-130	104	2	30
Methyl Parathion	85	40-130	87	2	30
Dursban (Chlorpyrifos)	99	40-130	89	11	30
Gardona (Stirophos)	70	40-130	71	1	30

QUALITY CONTROL TERMINOLOGY

- **LCS - LABORATORY CONTROL SAMPLE.** Reported as % recovery of an independent standard carried through all sample preparation procedures to verify method performance. Acceptable range is based on historical laboratory control data and EPA requirements. Any out-of-control QC data is clearly indicated.
- **Spike-** environmental sample is matrix spiked with method compounds and % recovery of concentration spiked into sample is calculated. Reported as % recovery. Acceptable range for "Normal Matrix Sample" is based on historical laboratory control data. Any out-of-control QC data is clearly indicated.
- **Surrogates-** Compounds representative of a group of compounds. Surrogates are spiked into environmental samples and % recovery of concentration spiked is calculated and reported. Acceptable range varies depending on sample matrix and analysis method. Any out-of-control QC data is clearly indicated.

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SURROGATE RECOVERIES
(Tributylphosphate)

Log #	Percent Recovery:
Method Blank	112
06-5381	109
06-5382	128
06-5383	118
06-5384	144
06-5385	124
06-5386	123
06-5387	126
06-5388	99
06-5389	122
06-5390	134
06-5391	104
06-5392	114
06-5393	112
06-5394	108
06-5395	127
LCS	112
LCS Dup	108

QC limits: 50 to 170%

Ellen Atienza
Operations Manager

QUALITY CONTROL TERMINOLOGY

- **LCS - LABORATORY CONTROL SAMPLE.** Reported as % recovery of an independent standard carried through all sample preparation procedures to verify method performance. Acceptable range is based on historical laboratory control data and EPA requirements. Any out-of-control QC data is clearly indicated.
- **Spike-** environmental sample is matrix spiked with method compounds and % recovery of concentration spiked into sample is calculated. Reported as % recovery. Acceptable range for "Normal Matrix Sample" is based on historical laboratory control data. Any out-of-control QC data is clearly indicated.
- **Surrogates-** Compounds representative of a group of compounds. Surrogates are spiked into environmental samples and % recovery of concentration spiked is calculated and reported. Acceptable range varies depending on sample matrix and analysis method. Any out-of-control QC data is clearly indicated.

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ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	**8/18/06**
Sampling Date:	**8/4/06**
Date Sample Received:	**8/10/06**
Date Extracted:	**8/10/06**
Date Analyzed:	**August 17, 2006**
Analyzed By:	**EA**
Sample Type:	**Water**
Method:	**EPA 8141A**
Unit:	**µg/l**

ANALYSES RESULTS

Analysis	**Detection Limit**	**Log Number:**	**06-5396**
		Sample ID:	**0859566-017A Equip-HA02-080406**
Azinphos Methyl	1.5		<DL
Bolstar	0.15		<DL
Coumaphos	1.5		<DL
Demeton	0.25		<DL
Diazinon	0.1		<DL
Dichlorvos	0.1		<DL
Disulfoton	0.2		<DL
Dursban (Chlorpyrifos)	0.1		<DL
Ethoprop	0.25		<DL
Fensulfothion	2.5		<DL
Fenthion	0.1		<DL
Gardona (Stirophos)	0.5		<DL
Malathion	0.1		<DL
Merphos	0.25		<DL
Methyl Parathion	0.1		<DL
Mevinphos	0.3		<DL
Naled	0.1		<DL
Phorate	0.15		<DL
Ronnel	0.3		<DL
Tokuthion	0.5		<DL
Trichloronate	0.15		<DL

Ellen Atienza
Operations Manager

D-TEK Analytical Laboratories, Inc.
9020 Kenamar Drive, Suite 205
San Diego, CA 92121
(858) 566-4540 FAX (858) 566-4542

QUALITY CONTROL DATA REPORT

Date:	**8/18/06**
Attn:	**Ms. Rachelle Arada**
Date Extracted:	**8/11/06**
Date Analyzed:	**August 17, 2006**
Analysis Method:	**EPA 8141A**
Log #:	**06-5396**

Method Blank

No target analytes were detected in the method blank.

Laboratory Control Sample

Compound	% Recovery	QC Limits	DUP % Recovery	%RPD	RPD Limits
Diazinon	115	40-130	125	8	30
Methyl Parathion	115	40-130	115	0	30
Dursban (Chlorpyrifos)	98	40-130	113	14	30
Gardona (Stirophos)	106	40-130	111	5	30

SURROGATE RECOVERIES
(Tributylphosphate)

Log #	Percent Recovery:
Method Blank	92
06-5396	75
LCS	80
LCS Dup	98

QC limits: 50 to 170%

Ellen Atienza
Operations Manager

QUALITY CONTROL TERMINOLOGY

- **LCS - LABORATORY CONTROL SAMPLE.** Reported as % recovery of an independent standard carried through all sample preparation procedures to verify method performance. Acceptable range is based on historical laboratory control data and EPA requirements. Any out-of-control QC data is clearly indicated.
- **Spike-** environmental sample is matrix spiked with method compounds and % recovery of concentration spiked into sample is calculated. Reported as % recovery. Acceptable range for "Normal Matrix Sample" is based on historical laboratory control data. Any out-of-control QC data is clearly indicated.
- **Surrogates-** Compounds representative of a group of compounds. Surrogates are spiked into environmental samples and % recovery of concentration spiked is calculated and reported. Acceptable range varies depending on sample matrix and analysis method. Any out-of-control QC data is clearly indicated.

0612661

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755-5225
TEL: *5629894045* FAX: *5629894040*

CHAIN-OF-CUSTODY RECORD

QC Level: CT

Subcontractor:
D-Tek
9020 Kenamar Drive, Suite 205
San Diego, CA 92121

TEL: (858) 566-4540
FAX: (858) 566-4542
Acct #:

08-Aug-06

Sample ID		Matrix	Date Collected	Bottle Type	EPA 8141A	Requested Tests
085966-001B	/ I5NB-GIM-HA331-1.0	Soil	8/4/2006 9:30:00 AM	4OZG	1	06-5381
085966-002B	/ I5NB-GIM-HA332-0.5	Soil	8/4/2006 9:45:00 AM	4OZG	1	06-5382
085966-003B	/ I5NB-GIM-HA333-1.5	Soil	8/4/2006 10:00:00 AM	4OZG	1	06-5383
085966-004B	/ I5NB-GIM-HA334-1.0	Soil	8/4/2006 10:25:00 AM	4OZG	1	06-5384
085966-005B	/ I5NB-GIM-HA335-0.5	Soil	8/4/2006 10:50:00 AM	4OZG	1	06-5385
085966-006B	/ I5NB-GIM-HA336-1.0	Soil	8/4/2006 11:15:00 AM	4OZG	1	06-5386
085966-007B	/ I5NB-GIM-HA337-1.5	Soil	8/4/2006 11:40:00 AM	4OZG	1	06-5387
085966-008B	/ I5NB-GIM-HA338-0.5	Soil	8/4/2006 12:55:00 PM	4OZG	1	06-5388
085966-009B	/ I5NB-GIM-HA339-0.5	Soil	8/4/2006 1:12:00 PM	4OZG	1	06-5389
085966-010B	/ I5NB-GIM-HA340-1.0	Soil	8/4/2006 1:30:00 PM	4OZG	1	06-5390
085966-011B	/ I5NB-GIM-HA341-1.5	Soil	8/4/2006 1:45:00 PM	4OZG	1	06-5391
085966-012B	/ I5NB-GIM-HA342-1.0	Soil	8/4/2006 2:00:00 PM	4OZG	1	06-5392
085966-013B	/ I5NB-GIM-HA343-1.0	Soil	8/4/2006 2:12:00 PM	4OZG	1	06-5393
085966-014B	/ I5NB-GIM-HA344-0.5	Soil	8/4/2006 2:25:00 PM	4OZG	1	06-5394
085966-015B	/ I5NB-GIM-HA345-0.5	Soil	8/4/2006 2:40:00 PM	4OZG	1	06-5395
085966-017A	/ EQUIP-HA02-080406	Water	8/4/2006 2:52:00 PM	32OZA	1	06-5396

General Comments: Please use PO#: SC00851 Please fax results: Normal TAT

Please send report to Rachelle Arada.

		Date/Time			Date/Time
Relinquished by:			Received by:		8/10/06 0800
Relinquished by:			Received by:		

September 12, 2006

Scott Snyder
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
TEL: 858-576-1000
FAX: 858-576-9600

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 086290

RE: CALTRANS/I-5 EXPANSION, 105812001

Attention: Scott Snyder

Enclosed are the results for sample(s) received on August 25, 2006 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.

Advanced Technology Laboratories
3275 Walnut Avenue Signal Hill, CA 90755 Tel: 562 989-4045 Fax: 562 989-4040

Advanced Technology Laboratories

Date: *12-Sep-06*

CLIENT: Ninyo & Moore
Project: CALTRANS/I-5 EXPANSION, 105812001
Lab Order: 086290
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
086290-001A	I5NB-CAN1-HA346-2.0	Soil	8/24/2006	8/25/2006	9/12/2006
086290-001B	I5NB-CAN1-HA346-2.0	Soil	8/24/2006	8/25/2006	9/12/2006
086290-001C	I5NB-CAN1-HA346-2.0	Soil	8/24/2006	8/25/2006	9/12/2006
086290-002A	I5NB-CAN1-HA347-1.0	Soil	8/24/2006	8/25/2006	9/12/2006
086290-002B	I5NB-CAN1-HA347-1.0	Soil	8/24/2006	8/25/2006	9/12/2006
086290-002C	I5NB-CAN1-HA347-1.0	Soil	8/24/2006	8/25/2006	9/12/2006
086290-003A	I5NB-CAN1-HA348-0.5	Soil	8/24/2006	8/25/2006	9/12/2006
086290-003B	I5NB-CAN1-HA348-0.5	Soil	8/24/2006	8/25/2006	9/12/2006
086290-003C	I5NB-CAN1-HA348-0.5	Soil	8/24/2006	8/25/2006	9/12/2006
086290-004A	I5NB-CAN1-HA349-1.0	Soil	8/24/2006	8/25/2006	9/12/2006
086290-004B	I5NB-CAN1-HA349-1.0	Soil	8/24/2006	8/25/2006	9/12/2006
086290-004C	I5NB-CAN1-HA349-1.0	Soil	8/24/2006	8/25/2006	9/12/2006
086290-005A	I5NB-CAN1-HA350-0.5	Soil	8/24/2006	8/25/2006	9/12/2006
086290-005B	I5NB-CAN1-HA350-0.5	Soil	8/24/2006	8/25/2006	9/12/2006
086290-005C	I5NB-CAN1-HA350-0.5	Soil	8/24/2006	8/25/2006	9/12/2006
086290-006A	I5NB-CAN1-HA351-1.0	Soil	8/24/2006	8/25/2006	9/12/2006
086290-006B	I5NB-CAN1-HA351-1.0	Soil	8/24/2006	8/25/2006	9/12/2006
086290-006C	I5NB-CAN1-HA351-1.0	Soil	8/24/2006	8/25/2006	9/12/2006
086290-007A	I5NB-CAN1-HA352-0.5	Soil	8/24/2006	8/25/2006	9/12/2006
086290-007B	I5NB-CAN1-HA352-0.5	Soil	8/24/2006	8/25/2006	9/12/2006
086290-007C	I5NB-CAN1-HA352-0.5	Soil	8/24/2006	8/25/2006	9/12/2006
086290-008A	I5NB-CAN1-HA353-1.5	Soil	8/24/2006	8/25/2006	9/12/2006
086290-008B	I5NB-CAN1-HA353-1.5	Soil	8/24/2006	8/25/2006	9/12/2006
086290-008C	I5NB-CAN1-HA353-1.5	Soil	8/24/2006	8/25/2006	9/12/2006
086290-009A	I5NB-CAN1-HA354-1.0	Soil	8/24/2006	8/25/2006	9/12/2006
086290-009B	I5NB-CAN1-HA354-1.0	Soil	8/24/2006	8/25/2006	9/12/2006
086290-009C	I5NB-CAN1-HA354-1.0	Soil	8/24/2006	8/25/2006	9/12/2006
086290-010A	I5NB-CAN1-HA355-1.0	Soil	8/24/2006	8/25/2006	9/12/2006
086290-010B	I5NB-CAN1-HA355-1.0	Soil	8/24/2006	8/25/2006	9/12/2006

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CLIENT: Ninyo & Moore
Project: CALTRANS/I-5 EXPANSION, 105812001
Lab Order: 086290
Contract No:

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received	Date Reported
086290-010C	I5NB-CAN1-HA355-1.0	Soil	8/24/2006	8/25/2006	9/12/2006
086290-011A	I5NB-CAN1-HA356-1.0	Soil	8/24/2006	8/25/2006	9/12/2006
086290-011B	I5NB-CAN1-HA356-1.0	Soil	8/24/2006	8/25/2006	9/12/2006
086290-011C	I5NB-CAN1-HA356-1.0	Soil	8/24/2006	8/25/2006	9/12/2006
086290-012A	I5NB-CAN1-HA357-0.5	Soil	8/24/2006	8/25/2006	9/12/2006
086290-012B	I5NB-CAN1-HA357-0.5	Soil	8/24/2006	8/25/2006	9/12/2006
086290-012C	I5NB-CAN1-HA357-0.5	Soil	8/24/2006	8/25/2006	9/12/2006
086290-013A	I5NB-CAN1-HA358-1.5	Soil	8/24/2006	8/25/2006	9/12/2006
086290-013B	I5NB-CAN1-HA358-1.5	Soil	8/24/2006	8/25/2006	9/12/2006
086290-013C	I5NB-CAN1-HA358-1.5	Soil	8/24/2006	8/25/2006	9/12/2006
086290-014A	I5NB-CAN1-HA359-1.0	Soil	8/24/2006	8/25/2006	9/12/2006
086290-014B	I5NB-CAN1-HA359-1.0	Soil	8/24/2006	8/25/2006	9/12/2006
086290-014C	I5NB-CAN1-HA359-1.0	Soil	8/24/2006	8/25/2006	9/12/2006
086290-015A	I5NB-CAN1-HA360-0.5	Soil	8/24/2006	8/25/2006	9/12/2006
086290-015B	I5NB-CAN1-HA360-0.5	Soil	8/24/2006	8/25/2006	9/12/2006
086290-015C	I5NB-CAN1-HA360-0.5	Soil	8/24/2006	8/25/2006	9/12/2006
086290-016A	EQUIP-HA01-082406	Water	8/24/2006	8/25/2006	9/12/2006
086290-017A	EQUIP-HA02-082406	Water	8/24/2006	8/25/2006	9/12/2006
086290-018A	EQUIP-HA03-082406	Water	8/24/2006	8/25/2006	9/12/2006

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CASE NARRATIVE

The samples for EPA 8141 analysis were subcontracted to D-tek Analytical Laboratories, Inc. with ELAP Cert. 2344.

The samples for EPA 8151 analysis were subcontracted to Sierra Analytical Laboratories, Inc. with ELAP Cert. 2320.

Analytical Comments for EPA 8081

Sample 086290-007A spike/surrogate outside of limits due to sample matrix.

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Advanced Technology Laboratories

Date: *12-Sep-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5NB-CAN1-HA346-2.0
Lab Order:	086290	**Collection Date:**	8/24/2006 10:34:00 AM
Project:	CALTRANS/I-5 EXPANSION, 105812001		
Lab ID:	086290-001	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3550B				**EPA 8081A**		
RunID: GC10_060828A	QC Batch: 29984				PrepDate: 8/28/2006	Analyst: **VLT**
4,4´-DDD	ND	2.0		µg/Kg	1	8/28/2006
4,4´-DDE	ND	2.0		µg/Kg	1	8/28/2006
4,4´-DDT	ND	2.0		µg/Kg	1	8/28/2006
Aldrin	ND	1.0		µg/Kg	1	8/28/2006
alpha-BHC	ND	1.0		µg/Kg	1	8/28/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	8/28/2006
beta-BHC	ND	1.0		µg/Kg	1	8/28/2006
Chlordane	ND	8.5		µg/Kg	1	8/28/2006
delta-BHC	ND	1.0		µg/Kg	1	8/28/2006
Dieldrin	ND	2.0		µg/Kg	1	8/28/2006
Endosulfan I	ND	1.0		µg/Kg	1	8/28/2006
Endosulfan II	ND	2.0		µg/Kg	1	8/28/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	8/28/2006
Endrin	ND	2.0		µg/Kg	1	8/28/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	8/28/2006
Endrin ketone	ND	2.0		µg/Kg	1	8/28/2006
gamma-BHC	ND	1.0		µg/Kg	1	8/28/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	8/28/2006
Heptachlor	ND	1.0		µg/Kg	1	8/28/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	8/28/2006
Methoxychlor	ND	8.5		µg/Kg	1	8/28/2006
Toxaphene	ND	85		µg/Kg	1	8/28/2006
Surr: Decachlorobiphenyl	87.4	41-137		%REC	1	8/28/2006
Surr: Tetrachloro-m-xylene	88.9	62-114		%REC	1	8/28/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Date: *12-Sep-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5NB-CAN1-HA347-1.0
Lab Order:	086290	**Collection Date:**	8/24/2006 10:44:00 AM
Project:	CALTRANS/I-5 EXPANSION, 105812001		
Lab ID:	086290-002	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
	EPA 3550B			**EPA 8081A**		
RunID: GC10_060828A	QC Batch: 29984			PrepDate:	8/28/2006	Analyst: **VLT**
4,4´-DDD	ND	2.0		µg/Kg	1	8/28/2006
4,4´-DDE	ND	2.0		µg/Kg	1	8/28/2006
4,4´-DDT	ND	2.0		µg/Kg	1	8/28/2006
Aldrin	ND	1.0		µg/Kg	1	8/28/2006
alpha-BHC	ND	1.0		µg/Kg	1	8/28/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	8/28/2006
beta-BHC	ND	1.0		µg/Kg	1	8/28/2006
Chlordane	ND	8.5		µg/Kg	1	8/28/2006
delta-BHC	ND	1.0		µg/Kg	1	8/28/2006
Dieldrin	ND	2.0		µg/Kg	1	8/28/2006
Endosulfan I	ND	1.0		µg/Kg	1	8/28/2006
Endosulfan II	ND	2.0		µg/Kg	1	8/28/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	8/28/2006
Endrin	ND	2.0		µg/Kg	1	8/28/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	8/28/2006
Endrin ketone	ND	2.0		µg/Kg	1	8/28/2006
gamma-BHC	ND	1.0		µg/Kg	1	8/28/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	8/28/2006
Heptachlor	ND	1.0		µg/Kg	1	8/28/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	8/28/2006
Methoxychlor	ND	8.5		µg/Kg	1	8/28/2006
Toxaphene	ND	85		µg/Kg	1	8/28/2006
Surr: Decachlorobiphenyl	97.3	41-137		%REC	1	8/28/2006
Surr: Tetrachloro-m-xylene	96.6	62-114		%REC	1	8/28/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Date: *12-Sep-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5NB-CAN1-HA348-0.5
Lab Order:	086290	**Collection Date:**	8/24/2006 11:00:00 AM
Project:	CALTRANS/I-5 EXPANSION, 105812001		
Lab ID:	086290-003	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
	EPA 3550B			**EPA 8081A**		
RunID: GC10_060828A	QC Batch: 29984			PrepDate:	8/28/2006	Analyst: **VLT**
4,4´-DDD	ND	2.0		µg/Kg	1	8/28/2006
4,4´-DDE	14	2.0		µg/Kg	1	8/28/2006
4,4´-DDT	17	2.0		µg/Kg	1	8/28/2006
Aldrin	ND	1.0		µg/Kg	1	8/28/2006
alpha-BHC	ND	1.0		µg/Kg	1	8/28/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	8/28/2006
beta-BHC	ND	1.0		µg/Kg	1	8/28/2006
Chlordane	ND	8.5		µg/Kg	1	8/28/2006
delta-BHC	ND	1.0		µg/Kg	1	8/28/2006
Dieldrin	ND	2.0		µg/Kg	1	8/28/2006
Endosulfan I	ND	1.0		µg/Kg	1	8/28/2006
Endosulfan II	ND	2.0		µg/Kg	1	8/28/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	8/28/2006
Endrin	ND	2.0		µg/Kg	1	8/28/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	8/28/2006
Endrin ketone	ND	2.0		µg/Kg	1	8/28/2006
gamma-BHC	ND	1.0		µg/Kg	1	8/28/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	8/28/2006
Heptachlor	ND	1.0		µg/Kg	1	8/28/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	8/28/2006
Methoxychlor	ND	8.5		µg/Kg	1	8/28/2006
Toxaphene	180	85		µg/Kg	1	8/28/2006
Surr: Decachlorobiphenyl	87.6	41-137		%REC	1	8/28/2006
Surr: Tetrachloro-m-xylene	84.2	62-114		%REC	1	8/28/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Date: *12-Sep-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5NB-CAN1-HA349-1.0
Lab Order:	086290	**Collection Date:**	8/24/2006 11:05:00 AM
Project:	CALTRANS/I-5 EXPANSION, 105812001		
Lab ID:	086290-004	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
	EPA 3550B			**EPA 8081A**		
RunID: GC10_060828A	QC Batch: 29984			PrepDate:	8/28/2006	Analyst: **VLT**
4,4´-DDD	31	2.0		µg/Kg	1	8/28/2006
4,4´-DDE	240	10		µg/Kg	5	8/29/2006
4,4´-DDT	170	10		µg/Kg	5	8/29/2006
Aldrin	ND	1.0		µg/Kg	1	8/28/2006
alpha-BHC	ND	1.0		µg/Kg	1	8/28/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	8/28/2006
beta-BHC	ND	1.0		µg/Kg	1	8/28/2006
Chlordane	ND	8.5		µg/Kg	1	8/28/2006
delta-BHC	ND	1.0		µg/Kg	1	8/28/2006
Dieldrin	ND	2.0		µg/Kg	1	8/28/2006
Endosulfan I	ND	1.0		µg/Kg	1	8/28/2006
Endosulfan II	ND	2.0		µg/Kg	1	8/28/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	8/28/2006
Endrin	ND	2.0		µg/Kg	1	8/28/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	8/28/2006
Endrin ketone	ND	2.0		µg/Kg	1	8/28/2006
gamma-BHC	ND	1.0		µg/Kg	1	8/28/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	8/28/2006
Heptachlor	ND	1.0		µg/Kg	1	8/28/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	8/28/2006
Methoxychlor	ND	8.5		µg/Kg	1	8/28/2006
Toxaphene	1000	420		µg/Kg	5	8/29/2006
Surr: Decachlorobiphenyl	107	41-137		%REC	1	8/28/2006
Surr: Tetrachloro-m-xylene	102	62-114		%REC	1	8/28/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Date: *12-Sep-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5NB-CAN1-HA350-0.5
Lab Order:	086290	**Collection Date:**	8/24/2006 11:25:00 AM
Project:	CALTRANS/I-5 EXPANSION, 105812001		
Lab ID:	086290-005	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
	EPA 3550B			**EPA 8081A**		
RunID: GC10_060828A	QC Batch: 29984				PrepDate: 8/28/2006	Analyst: **VLT**
4,4´-DDD	20	2.0		µg/Kg	1	8/28/2006
4,4´-DDE	170	10		µg/Kg	5	8/29/2006
4,4´-DDT	120	10		µg/Kg	5	8/29/2006
Aldrin	ND	1.0		µg/Kg	1	8/28/2006
alpha-BHC	ND	1.0		µg/Kg	1	8/28/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	8/28/2006
beta-BHC	ND	1.0		µg/Kg	1	8/28/2006
Chlordane	ND	8.5		µg/Kg	1	8/28/2006
delta-BHC	ND	1.0		µg/Kg	1	8/28/2006
Dieldrin	ND	2.0		µg/Kg	1	8/28/2006
Endosulfan I	ND	1.0		µg/Kg	1	8/28/2006
Endosulfan II	ND	2.0		µg/Kg	1	8/28/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	8/28/2006
Endrin	ND	2.0		µg/Kg	1	8/28/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	8/28/2006
Endrin ketone	ND	2.0		µg/Kg	1	8/28/2006
gamma-BHC	ND	1.0		µg/Kg	1	8/28/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	8/28/2006
Heptachlor	ND	1.0		µg/Kg	1	8/28/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	8/28/2006
Methoxychlor	ND	8.5		µg/Kg	1	8/28/2006
Toxaphene	590	420		µg/Kg	5	8/29/2006
Surr: Decachlorobiphenyl	94.1	41-137		%REC	1	8/28/2006
Surr: Tetrachloro-m-xylene	89.3	62-114		%REC	1	8/28/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Date: *12-Sep-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5NB-CAN1-HA351-1.0
Lab Order:	086290	**Collection Date:**	8/24/2006 11:35:00 AM
Project:	CALTRANS/I-5 EXPANSION, 105812001		
Lab ID:	086290-006	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3550B				**EPA 8081A**		
RunID: GC10_060828A	QC Batch: 29984			PrepDate:	8/28/2006	Analyst: **VLT**
4,4´-DDD	ND	2.0		µg/Kg	1	8/28/2006
4,4´-DDE	ND	2.0		µg/Kg	1	8/28/2006
4,4´-DDT	ND	2.0		µg/Kg	1	8/28/2006
Aldrin	ND	1.0		µg/Kg	1	8/28/2006
alpha-BHC	ND	1.0		µg/Kg	1	8/28/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	8/28/2006
beta-BHC	ND	1.0		µg/Kg	1	8/28/2006
Chlordane	ND	8.5		µg/Kg	1	8/28/2006
delta-BHC	ND	1.0		µg/Kg	1	8/28/2006
Dieldrin	ND	2.0		µg/Kg	1	8/28/2006
Endosulfan I	ND	1.0		µg/Kg	1	8/28/2006
Endosulfan II	ND	2.0		µg/Kg	1	8/28/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	8/28/2006
Endrin	ND	2.0		µg/Kg	1	8/28/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	8/28/2006
Endrin ketone	ND	2.0		µg/Kg	1	8/28/2006
gamma-BHC	ND	1.0		µg/Kg	1	8/28/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	8/28/2006
Heptachlor	ND	1.0		µg/Kg	1	8/28/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	8/28/2006
Methoxychlor	ND	8.5		µg/Kg	1	8/28/2006
Toxaphene	ND	85		µg/Kg	1	8/28/2006
Surr: Decachlorobiphenyl	97.7	41-137		%REC	1	8/28/2006
Surr: Tetrachloro-m-xylene	92.0	62-114		%REC	1	8/28/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Advanced Technology Laboratories

Date: *12-Sep-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5NB-CAN1-HA352-0.5
Lab Order:	086290	**Collection Date:**	8/24/2006 11:40:00 AM
Project:	CALTRANS/I-5 EXPANSION, 105812001		
Lab ID:	086290-007	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3550B				**EPA 8081A**		
RunID: GC10_060828A	QC Batch: 29984				PrepDate: 8/28/2006	Analyst: **VLT**
4,4´-DDD	ND	2.0		µg/Kg	1	8/28/2006
4,4´-DDE	18	2.0		µg/Kg	1	8/28/2006
4,4´-DDT	85	10		µg/Kg	5	8/29/2006
Aldrin	ND	1.0		µg/Kg	1	8/28/2006
alpha-BHC	ND	1.0		µg/Kg	1	8/28/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	8/28/2006
beta-BHC	ND	1.0		µg/Kg	1	8/28/2006
Chlordane	ND	8.5		µg/Kg	1	8/28/2006
delta-BHC	ND	1.0		µg/Kg	1	8/28/2006
Dieldrin	ND	2.0		µg/Kg	1	8/28/2006
Endosulfan I	ND	1.0		µg/Kg	1	8/28/2006
Endosulfan II	ND	2.0		µg/Kg	1	8/28/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	8/28/2006
Endrin	ND	2.0		µg/Kg	1	8/28/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	8/28/2006
Endrin ketone	ND	2.0		µg/Kg	1	8/28/2006
gamma-BHC	ND	1.0		µg/Kg	1	8/28/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	8/28/2006
Heptachlor	ND	1.0		µg/Kg	1	8/28/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	8/28/2006
Methoxychlor	ND	8.5		µg/Kg	1	8/28/2006
Toxaphene	1100	420		µg/Kg	5	8/29/2006
Surr: Decachlorobiphenyl	17.7	41-137	S	%REC	1	8/28/2006
Surr: Tetrachloro-m-xylene	70.5	62-114		%REC	1	8/28/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Date: *12-Sep-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5NB-CAN1-HA353-1.5
Lab Order:	086290	**Collection Date:**	8/24/2006 11:50:00 AM
Project:	CALTRANS/I-5 EXPANSION, 105812001		
Lab ID:	086290-008	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
	EPA 3550B			**EPA 8081A**		
RunID: GC10_060828A	QC Batch: 29984				PrepDate: 8/28/2006	Analyst: **VLT**
4,4´-DDD	99	10		µg/Kg	5	8/29/2006
4,4´-DDE	240	10		µg/Kg	5	8/29/2006
4,4´-DDT	110	10		µg/Kg	5	8/29/2006
Aldrin	ND	1.0		µg/Kg	1	8/28/2006
alpha-BHC	ND	1.0		µg/Kg	1	8/28/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	8/28/2006
beta-BHC	ND	1.0		µg/Kg	1	8/28/2006
Chlordane	ND	8.5		µg/Kg	1	8/28/2006
delta-BHC	ND	1.0		µg/Kg	1	8/28/2006
Dieldrin	ND	2.0		µg/Kg	1	8/28/2006
Endosulfan I	ND	1.0		µg/Kg	1	8/28/2006
Endosulfan II	ND	2.0		µg/Kg	1	8/28/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	8/28/2006
Endrin	ND	2.0		µg/Kg	1	8/28/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	8/28/2006
Endrin ketone	ND	2.0		µg/Kg	1	8/28/2006
gamma-BHC	ND	1.0		µg/Kg	1	8/28/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	8/28/2006
Heptachlor	ND	1.0		µg/Kg	1	8/28/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	8/28/2006
Methoxychlor	ND	8.5		µg/Kg	1	8/28/2006
Toxaphene	2600	420		µg/Kg	5	8/29/2006
Surr: Decachlorobiphenyl	77.2	41-137		%REC	1	8/28/2006
Surr: Tetrachloro-m-xylene	77.9	62-114		%REC	1	8/28/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories

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Date: *12-Sep-06*

CLIENT: Ninyo & Moore
Lab Order: 086290
Project: CALTRANS/I-5 EXPANSION, 105812001
Lab ID: 086290-009

Client Sample ID: I5NB-CAN1-HA354-1.0
Collection Date: 8/24/2006 12:00:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
HYDROCARBON CHAIN IDENTIFICATION						
LUFT				**EPA 8015B(M)**		
RunID: GC8_BACK_060830A	QC Batch: 30038			PrepDate:	8/30/2006	Analyst: **EES**
T/R Hydrocarbons: C8-C10	ND	10		mg/Kg	1	8/30/2006
T/R Hydrocarbons: C10-C18	ND	10		mg/Kg	1	8/30/2006
T/R Hydrocarbons: C18-C28	ND	10		mg/Kg	1	8/30/2006
T/R Hydrocarbons: C28-C36	ND	10		mg/Kg	1	8/30/2006
T/R Hydrocarbons: C36-C40	ND	10		mg/Kg	1	8/30/2006
T/R Hydrocarbons: C8-C40 Total	ND	10		mg/Kg	1	8/30/2006
Surr: p-Terphenyl	87.5	56-116		%REC	1	8/30/2006
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3550B				**EPA 8081A**		
RunID: GC10_060828A	QC Batch: 29984			PrepDate:	8/28/2006	Analyst: **VLT**
4,4´-DDD	17	2.0		µg/Kg	1	8/29/2006
4,4´-DDE	34	2.0		µg/Kg	1	8/29/2006
4,4´-DDT	31	2.0		µg/Kg	1	8/29/2006
Aldrin	ND	1.0		µg/Kg	1	8/29/2006
alpha-BHC	ND	1.0		µg/Kg	1	8/29/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	8/29/2006
beta-BHC	ND	1.0		µg/Kg	1	8/29/2006
Chlordane	ND	8.5		µg/Kg	1	8/29/2006
delta-BHC	ND	1.0		µg/Kg	1	8/29/2006
Dieldrin	ND	2.0		µg/Kg	1	8/29/2006
Endosulfan I	ND	1.0		µg/Kg	1	8/29/2006
Endosulfan II	ND	2.0		µg/Kg	1	8/29/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	8/29/2006
Endrin	ND	2.0		µg/Kg	1	8/29/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	8/29/2006
Endrin ketone	ND	2.0		µg/Kg	1	8/29/2006
gamma-BHC	ND	1.0		µg/Kg	1	8/29/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	8/29/2006
Heptachlor	ND	1.0		µg/Kg	1	8/29/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	8/29/2006
Methoxychlor	ND	8.5		µg/Kg	1	8/29/2006
Toxaphene	540	85		µg/Kg	1	8/29/2006
Surr: Decachlorobiphenyl	76.7	41-137		%REC	1	8/29/2006
Surr: Tetrachloro-m-xylene	83.8	62-114		%REC	1	8/29/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Date: *12-Sep-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5NB-CAN1-HA355-1.0
Lab Order:	086290	**Collection Date:**	8/24/2006 12:20:00 PM
Project:	CALTRANS/I-5 EXPANSION, 105812001		
Lab ID:	086290-010	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3550B				**EPA 8081A**		
RunID: GC10_060828A	QC Batch: 29984			PrepDate:	8/28/2006	Analyst: **VLT**
4,4´-DDD	14	2.0		µg/Kg	1	8/29/2006
4,4´-DDE	37	2.0		µg/Kg	1	8/29/2006
4,4´-DDT	38	2.0		µg/Kg	1	8/29/2006
Aldrin	ND	1.0		µg/Kg	1	8/29/2006
alpha-BHC	ND	1.0		µg/Kg	1	8/29/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	8/29/2006
beta-BHC	ND	1.0		µg/Kg	1	8/29/2006
Chlordane	ND	8.5		µg/Kg	1	8/29/2006
delta-BHC	ND	1.0		µg/Kg	1	8/29/2006
Dieldrin	ND	2.0		µg/Kg	1	8/29/2006
Endosulfan I	ND	1.0		µg/Kg	1	8/29/2006
Endosulfan II	ND	2.0		µg/Kg	1	8/29/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	8/29/2006
Endrin	ND	2.0		µg/Kg	1	8/29/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	8/29/2006
Endrin ketone	ND	2.0		µg/Kg	1	8/29/2006
gamma-BHC	ND	1.0		µg/Kg	1	8/29/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	8/29/2006
Heptachlor	ND	1.0		µg/Kg	1	8/29/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	8/29/2006
Methoxychlor	ND	8.5		µg/Kg	1	8/29/2006
Toxaphene	1100	420		µg/Kg	5	8/30/2006
Surr: Decachlorobiphenyl	72.6	41-137		%REC	1	8/29/2006
Surr: Tetrachloro-m-xylene	76.0	62-114		%REC	1	8/29/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Date: *12-Sep-06*

CLIENT: Ninyo & Moore
Lab Order: 086290
Project: CALTRANS/I-5 EXPANSION, 105812001
Lab ID: 086290-011

Client Sample ID: I5NB-CAN1-HA356-1.0
Collection Date: 8/24/2006 12:30:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
HYDROCARBON CHAIN IDENTIFICATION						
LUFT				**EPA 8015B(M)**		
RunID: GC8_BACK_060830A	QC Batch: 30038			PrepDate:	8/30/2006	Analyst: **EES**
T/R Hydrocarbons: C8-C10	ND	10		mg/Kg	1	8/30/2006
T/R Hydrocarbons: C10-C18	ND	10		mg/Kg	1	8/30/2006
T/R Hydrocarbons: C18-C28	ND	10		mg/Kg	1	8/30/2006
T/R Hydrocarbons: C28-C36	ND	10		mg/Kg	1	8/30/2006
T/R Hydrocarbons: C36-C40	ND	10		mg/Kg	1	8/30/2006
T/R Hydrocarbons: C8-C40 Total	ND	10		mg/Kg	1	8/30/2006
Surr: p-Terphenyl	71.3	56-116		%REC	1	8/30/2006
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3550B				**EPA 8081A**		
RunID: GC9_060829A	QC Batch: 30005			PrepDate:	8/29/2006	Analyst: **VLT**
4,4´-DDD	ND	2.0		µg/Kg	1	8/29/2006
4,4´-DDE	12	2.0		µg/Kg	1	8/29/2006
4,4´-DDT	6.0	2.0		µg/Kg	1	8/29/2006
Aldrin	ND	1.0		µg/Kg	1	8/29/2006
alpha-BHC	ND	1.0		µg/Kg	1	8/29/2006
alpha-Chlordane	1.8	1.0		µg/Kg	1	8/29/2006
beta-BHC	ND	1.0		µg/Kg	1	8/29/2006
Chlordane	ND	8.5		µg/Kg	1	8/29/2006
delta-BHC	ND	1.0		µg/Kg	1	8/29/2006
Dieldrin	ND	2.0		µg/Kg	1	8/29/2006
Endosulfan I	ND	1.0		µg/Kg	1	8/29/2006
Endosulfan II	ND	2.0		µg/Kg	1	8/29/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	8/29/2006
Endrin	ND	2.0		µg/Kg	1	8/29/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	8/29/2006
Endrin ketone	ND	2.0		µg/Kg	1	8/29/2006
gamma-BHC	ND	1.0		µg/Kg	1	8/29/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	8/29/2006
Heptachlor	ND	1.0		µg/Kg	1	8/29/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	8/29/2006
Methoxychlor	ND	8.5		µg/Kg	1	8/29/2006
Toxaphene	100	85		µg/Kg	1	8/30/2006
Surr: Decachlorobiphenyl	74.5	41-137		%REC	1	8/29/2006
Surr: Tetrachloro-m-xylene	79.5	62-114		%REC	1	8/29/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Date: *12-Sep-06*

CLIENT: Ninyo & Moore
Lab Order: 086290
Project: CALTRANS/I-5 EXPANSION, 105812001
Lab ID: 086290-012

Client Sample ID: I5NB-CAN1-HA357-0.5
Collection Date: 8/24/2006 1:00:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3550B				**EPA 8081A**		
RunID: GC9_060829A	QC Batch: 30005			PrepDate:	8/29/2006	Analyst: **VLT**
4,4´-DDD	ND	2.0		µg/Kg	1	8/29/2006
4,4´-DDE	ND	2.0		µg/Kg	1	8/29/2006
4,4´-DDT	ND	2.0		µg/Kg	1	8/29/2006
Aldrin	ND	1.0		µg/Kg	1	8/29/2006
alpha-BHC	ND	1.0		µg/Kg	1	8/29/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	8/29/2006
beta-BHC	ND	1.0		µg/Kg	1	8/29/2006
Chlordane	ND	8.5		µg/Kg	1	8/29/2006
delta-BHC	ND	1.0		µg/Kg	1	8/29/2006
Dieldrin	ND	2.0		µg/Kg	1	8/29/2006
Endosulfan I	ND	1.0		µg/Kg	1	8/29/2006
Endosulfan II	ND	2.0		µg/Kg	1	8/29/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	8/29/2006
Endrin	ND	2.0		µg/Kg	1	8/29/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	8/29/2006
Endrin ketone	ND	2.0		µg/Kg	1	8/29/2006
gamma-BHC	ND	1.0		µg/Kg	1	8/29/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	8/29/2006
Heptachlor	ND	1.0		µg/Kg	1	8/29/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	8/29/2006
Methoxychlor	ND	8.5		µg/Kg	1	8/29/2006
Toxaphene	ND	85		µg/Kg	1	8/29/2006
Surr: Decachlorobiphenyl	72.7	41-137		%REC	1	8/29/2006
Surr: Tetrachloro-m-xylene	77.2	62-114		%REC	1	8/29/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Date: *12-Sep-06*

CLIENT: Ninyo & Moore
Lab Order: 086290
Project: CALTRANS/I-5 EXPANSION, 105812001
Lab ID: 086290-013

Client Sample ID: I5NB-CAN1-HA358-1.5
Collection Date: 8/24/2006 1:40:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3550B				**EPA 8081A**		
RunID: GC9_060829A	QC Batch: 30005			PrepDate:	8/29/2006	Analyst: **VLT**
4,4´-DDD	ND	2.0		µg/Kg	1	8/29/2006
4,4´-DDE	ND	2.0		µg/Kg	1	8/29/2006
4,4´-DDT	ND	2.0		µg/Kg	1	8/29/2006
Aldrin	ND	1.0		µg/Kg	1	8/29/2006
alpha-BHC	ND	1.0		µg/Kg	1	8/29/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	8/29/2006
beta-BHC	ND	1.0		µg/Kg	1	8/29/2006
Chlordane	ND	8.5		µg/Kg	1	8/29/2006
delta-BHC	ND	1.0		µg/Kg	1	8/29/2006
Dieldrin	ND	2.0		µg/Kg	1	8/29/2006
Endosulfan I	ND	1.0		µg/Kg	1	8/29/2006
Endosulfan II	ND	2.0		µg/Kg	1	8/29/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	8/29/2006
Endrin	ND	2.0		µg/Kg	1	8/29/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	8/29/2006
Endrin ketone	ND	2.0		µg/Kg	1	8/29/2006
gamma-BHC	ND	1.0		µg/Kg	1	8/29/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	8/29/2006
Heptachlor	ND	1.0		µg/Kg	1	8/29/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	8/29/2006
Methoxychlor	ND	8.5		µg/Kg	1	8/29/2006
Toxaphene	ND	85		µg/Kg	1	8/29/2006
Surr: Decachlorobiphenyl	78.1	41-137		%REC	1	8/29/2006
Surr: Tetrachloro-m-xylene	81.3	62-114		%REC	1	8/29/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Date: *12-Sep-06*

CLIENT:	Ninyo & Moore	**Client Sample ID:**	I5NB-CAN1-HA359-1.0
Lab Order:	086290	**Collection Date:**	8/24/2006 1:50:00 PM
Project:	CALTRANS/I-5 EXPANSION, 105812001		
Lab ID:	086290-014	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
	EPA 3550B			**EPA 8081A**		
RunID: GC9_060829A	QC Batch: 30005			PrepDate:	8/29/2006	Analyst: **VLT**
4,4´-DDD	14	2.0		µg/Kg	1	8/29/2006
4,4´-DDE	52	2.0		µg/Kg	1	8/29/2006
4,4´-DDT	19	2.0		µg/Kg	1	8/29/2006
Aldrin	ND	1.0		µg/Kg	1	8/29/2006
alpha-BHC	ND	1.0		µg/Kg	1	8/29/2006
alpha-Chlordane	ND	1.0		µg/Kg	1	8/29/2006
beta-BHC	ND	1.0		µg/Kg	1	8/29/2006
Chlordane	ND	8.5		µg/Kg	1	8/29/2006
delta-BHC	ND	1.0		µg/Kg	1	8/29/2006
Dieldrin	2.1	2.0		µg/Kg	1	8/29/2006
Endosulfan I	ND	1.0		µg/Kg	1	8/29/2006
Endosulfan II	ND	2.0		µg/Kg	1	8/29/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	8/29/2006
Endrin	ND	2.0		µg/Kg	1	8/29/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	8/29/2006
Endrin ketone	ND	2.0		µg/Kg	1	8/29/2006
gamma-BHC	ND	1.0		µg/Kg	1	8/29/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	8/29/2006
Heptachlor	ND	1.0		µg/Kg	1	8/29/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	8/29/2006
Methoxychlor	ND	8.5		µg/Kg	1	8/29/2006
Toxaphene	300	85		µg/Kg	1	8/29/2006
Surr: Decachlorobiphenyl	77.8	41-137		%REC	1	8/29/2006
Surr: Tetrachloro-m-xylene	79.0	62-114		%REC	1	8/29/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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Date: *12-Sep-06*

CLIENT: Ninyo & Moore
Lab Order: 086290
Project: CALTRANS/I-5 EXPANSION, 105812001
Lab ID: 086290-015

Client Sample ID: I5NB-CAN1-HA360-0.5
Collection Date: 8/24/2006 2:02:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3550B				**EPA 8081A**		
RunID: GC9_060829A	QC Batch: 30005			PrepDate:	8/29/2006	Analyst: **VLT**
4,4´-DDD	ND	2.0		µg/Kg	1	8/29/2006
4,4´-DDE	20	2.0		µg/Kg	1	8/29/2006
4,4´-DDT	21	2.0		µg/Kg	1	8/29/2006
Aldrin	ND	1.0		µg/Kg	1	8/29/2006
alpha-BHC	ND	1.0		µg/Kg	1	8/29/2006
alpha-Chlordane	1.2	1.0		µg/Kg	1	8/29/2006
beta-BHC	ND	1.0		µg/Kg	1	8/29/2006
Chlordane	ND	8.5		µg/Kg	1	8/29/2006
delta-BHC	ND	1.0		µg/Kg	1	8/29/2006
Dieldrin	6.4	2.0		µg/Kg	1	8/29/2006
Endosulfan I	ND	1.0		µg/Kg	1	8/29/2006
Endosulfan II	ND	2.0		µg/Kg	1	8/29/2006
Endosulfan sulfate	ND	2.0		µg/Kg	1	8/29/2006
Endrin	ND	2.0		µg/Kg	1	8/29/2006
Endrin aldehyde	ND	2.0		µg/Kg	1	8/29/2006
Endrin ketone	3.5	2.0		µg/Kg	1	8/29/2006
gamma-BHC	ND	1.0		µg/Kg	1	8/29/2006
gamma-Chlordane	ND	1.0		µg/Kg	1	8/29/2006
Heptachlor	ND	1.0		µg/Kg	1	8/29/2006
Heptachlor epoxide	ND	1.0		µg/Kg	1	8/29/2006
Methoxychlor	ND	8.5		µg/Kg	1	8/29/2006
Toxaphene	100	85		µg/Kg	1	8/30/2006
Surr: Decachlorobiphenyl	82.4	41-137		%REC	1	8/29/2006
Surr: Tetrachloro-m-xylene	85.9	62-114		%REC	1	8/29/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

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3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562. 989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

Date: *12-Sep-06*

CLIENT: Ninyo & Moore
Client Sample ID: EQUIP-HA01-082406
Lab Order: 086290
Collection Date: 8/24/2006 3:00:00 PM
Project: CALTRANS/I-5 EXPANSION, 105812001
Lab ID: 086290-016
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3510C				**EPA 8081A**		
RunID: GC10_060901B	QC Batch: 30053			PrepDate:	8/31/2006	Analyst: **VLT**
4,4´-DDD	ND	0.050		µg/L	1	9/1/2006
4,4´-DDE	ND	0.050		µg/L	1	9/1/2006
4,4´-DDT	ND	0.050		µg/L	1	9/1/2006
Aldrin	ND	0.025		µg/L	1	9/1/2006
alpha-BHC	ND	0.025		µg/L	1	9/1/2006
alpha-Chlordane	ND	0.025		µg/L	1	9/1/2006
beta-BHC	ND	0.025		µg/L	1	9/1/2006
Chlordane	ND	0.25		µg/L	1	9/1/2006
delta-BHC	ND	0.025		µg/L	1	9/1/2006
Dieldrin	ND	0.050		µg/L	1	9/1/2006
Endosulfan I	ND	0.025		µg/L	1	9/1/2006
Endosulfan II	ND	0.050		µg/L	1	9/1/2006
Endosulfan sulfate	ND	0.050		µg/L	1	9/1/2006
Endrin	ND	0.050		µg/L	1	9/1/2006
Endrin aldehyde	ND	0.050		µg/L	1	9/1/2006
Endrin ketone	ND	0.050		µg/L	1	9/1/2006
gamma-BHC	ND	0.025		µg/L	1	9/1/2006
gamma-Chlordane	ND	0.025		µg/L	1	9/1/2006
Heptachlor	ND	0.025		µg/L	1	9/1/2006
Heptachlor epoxide	ND	0.025		µg/L	1	9/1/2006
Methoxychlor	ND	0.25		µg/L	1	9/1/2006
Toxaphene	ND	2.5		µg/L	1	9/1/2006
Surr: Decachlorobiphenyl	68.6	32-107		%REC	1	9/1/2006
Surr: Tetrachloro-m-xylene	85.7	50-116		%REC	1	9/1/2006

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories
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CLIENT: Ninyo & Moore
Work Order: 086290
Project: CALTRANS/I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **MB-29984**	SampType: **MBLK**	TestCode: **8081_S**	Units: **µg/Kg**	Prep Date: **8/28/2006**	RunNo: **67129**
Client ID: **PBS**	Batch ID: **29984**	TestNo: **EPA 8081A**	**EPA 3550B**	Analysis Date: **8/28/2006**	SeqNo: **998904**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	2.0									
4,4´-DDE	ND	2.0									
4,4´-DDT	ND	2.0									
Aldrin	ND	1.0									
alpha-BHC	ND	1.0									
alpha-Chlordane	ND	1.0									
beta-BHC	ND	1.0									
Chlordane	ND	8.5									
delta-BHC	ND	1.0									
Dieldrin	ND	2.0									
Endosulfan I	ND	1.0									
Endosulfan II	ND	2.0									
Endosulfan sulfate	ND	2.0									
Endrin	ND	2.0									
Endrin aldehyde	ND	2.0									
Endrin ketone	ND	2.0									
gamma-BHC	ND	1.0									
gamma-Chlordane	ND	1.0									
Heptachlor	ND	1.0									
Heptachlor epoxide	ND	1.0									
Methoxychlor	ND	8.5									
Toxaphene	ND	85									
Surr: Tetrachloro-m-xylene	13.266		16.67		79.6	62	114				
Surr: Decachlorobiphenyl	13.884		16.67		83.3	41	137				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
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CLIENT: Ninyo & Moore
Work Order: 086290
Project: CALTRANS/I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **LCS-29984** SampType: **LCS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **8/28/2006** RunNo: **67129**
Client ID: **LCSS** Batch ID: **29984** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **8/28/2006** SeqNo: **998905**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	12.232	2.0	16.67	0	73.4	59	140				
Aldrin	13.693	1.0	16.67	0	82.1	81	130				
Dieldrin	13.547	2.0	16.67	0	81.3	78	124				
Endrin	15.229	2.0	16.67	0	91.4	90	145				
gamma-BHC	13.885	1.0	16.67	0	83.3	82	128				
Heptachlor	13.505	1.0	16.67	0	81.0	72	145				
Surr: Tetrachloro-m-xylene	10.877		16.67		65.2	62	114				
Surr: Decachlorobiphenyl	11.487		16.67		68.9	41	137				

Sample ID: **086234-003AMS** SampType: **MS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **8/28/2006** RunNo: **67129**
Client ID: **ZZZZZZ** Batch ID: **29984** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **8/28/2006** SeqNo: **998910**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	15.869	2.0	16.67	0	95.2	39	159				
Aldrin	18.472	1.0	16.67	0	111	65	140				
Dieldrin	17.907	2.0	16.67	0	107	48	158				
Endrin	20.064	2.0	16.67	0	120	75	170				
gamma-BHC	17.504	1.0	16.67	0	105	59	145				
Heptachlor	18.194	1.0	16.67	0	109	61	156				
Surr: Tetrachloro-m-xylene	14.625		16.67		87.7	62	114				
Surr: Decachlorobiphenyl	15.688		16.67		94.1	41	137				

Sample ID: **086234-003AMSD** SampType: **MSD** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **8/28/2006** RunNo: **67129**
Client ID: **ZZZZZZ** Batch ID: **29984** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **8/28/2006** SeqNo: **998911**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	15.926	2.0	16.67	0	95.5	39	159	15.87	0.362	30	
Aldrin	18.625	1.0	16.67	0	112	65	140	18.47	0.824	30	
Dieldrin	18.252	2.0	16.67	0	109	48	158	17.91	1.91	30	
Endrin	19.618	2.0	16.67	0	118	75	170	20.06	2.25	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Ninyo & Moore
Work Order: 086290
Project: CALTRANS/I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **086234-003AMSD** SampType: **MSD** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **8/28/2006** RunNo: **67129**
Client ID: **ZZZZZZ** Batch ID: **29984** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **8/28/2006** SeqNo: **998911**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
gamma-BHC	17.585	1.0	16.67	0	105	59	145	17.50	0.463	30	
Heptachlor	18.299	1.0	16.67	0	110	61	156	18.19	0.573	30	
Surr: Tetrachloro-m-xylene	14.243		16.67		85.4	62	114		0	30	
Surr: Decachlorobiphenyl	15.635		16.67		93.8	41	137		0	30	

Sample ID: **086290-002A** SampType: **DUP** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **8/28/2006** RunNo: **67129**
Client ID: **I5NB-CAN1-HA347-1** Batch ID: **29984** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **8/29/2006** SeqNo: **999047**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	2.0						0	0	30	
4,4´-DDE	ND	2.0						0	0	30	
4,4´-DDT	ND	2.0						0	0	30	
Aldrin	ND	1.0						0	0	30	
alpha-BHC	ND	1.0						0	0	30	
alpha-Chlordane	ND	1.0						0	0	30	
beta-BHC	ND	1.0						0	0	30	
Chlordane	ND	8.5						0	0	30	
delta-BHC	ND	1.0						0	0	30	
Dieldrin	ND	2.0						0	0	30	
Endosulfan I	ND	1.0						0	0	30	
Endosulfan II	ND	2.0						0	0	30	
Endosulfan sulfate	ND	2.0						0	0	30	
Endrin	ND	2.0						0	0	30	
Endrin aldehyde	ND	2.0						0	0	30	
Endrin ketone	ND	2.0						0	0	30	
gamma-BHC	ND	1.0						0	0	30	
gamma-Chlordane	ND	1.0						0	0	30	
Heptachlor	ND	1.0						0	0	30	
Heptachlor epoxide	ND	1.0						0	0	30	
Methoxychlor	ND	8.5						0	0	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Ninyo & Moore
Work Order: 086290
Project: CALTRANS/I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **086290-002A** SampType: **DUP** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **8/28/2006** RunNo: **67129**
Client ID: **I5NB-CAN1-HA347-1** Batch ID: **29984** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **8/29/2006** SeqNo: **999047**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toxaphene	ND	85						0	0	30	
Surr: Tetrachloro-m-xylene	14.476		16.67		86.8	62	114		0	0	
Surr: Decachlorobiphenyl	13.418		16.67		80.5	41	137		0	0	

Sample ID: **MB-29984** SampType: **MBLK** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **8/28/2006** RunNo: **67129**
Client ID: **PBS** Batch ID: **29984** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **8/29/2006** SeqNo: **999092**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	2.0									
4,4´-DDE	ND	2.0									
4,4´-DDT	ND	2.0									
Aldrin	ND	1.0									
alpha-BHC	ND	1.0									
alpha-Chlordane	ND	1.0									
beta-BHC	ND	1.0									
Chlordane	ND	8.5									
delta-BHC	ND	1.0									
Dieldrin	ND	2.0									
Endosulfan I	ND	1.0									
Endosulfan II	ND	2.0									
Endosulfan sulfate	ND	2.0									
Endrin	ND	2.0									
Endrin aldehyde	ND	2.0									
Endrin ketone	ND	2.0									
gamma-BHC	ND	1.0									
gamma-Chlordane	ND	1.0									
Heptachlor	ND	1.0									
Heptachlor epoxide	ND	1.0									
Methoxychlor	ND	8.5									
Toxaphene	ND	85									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Ninyo & Moore
Work Order: 086290
Project: CALTRANS/I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **MB-29984** SampType: **MBLK** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **8/28/2006** RunNo: **67129**
Client ID: **PBS** Batch ID: **29984** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **8/29/2006** SeqNo: **999092**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Tetrachloro-m-xylene	15.785		16.67		94.7	62	114				
Surr: Decachlorobiphenyl	16.326		16.67		97.9	41	137				

Sample ID: **LCS-29984** SampType: **LCS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **8/28/2006** RunNo: **67129**
Client ID: **LCSS** Batch ID: **29984** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **8/29/2006** SeqNo: **999093**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	11.289	2.0	16.67	0	67.7	59	140				
Aldrin	17.637	1.0	16.67	0	106	81	130				
Dieldrin	18.168	2.0	16.67	0	109	78	124				
Endrin	18.506	2.0	16.67	0	111	90	145				
gamma-BHC	17.401	1.0	16.67	0	104	82	128				
Heptachlor	16.265	1.0	16.67	0	97.6	72	145				
Surr: Tetrachloro-m-xylene	13.522		16.67		81.1	62	114				
Surr: Decachlorobiphenyl	14.223		16.67		85.3	41	137				

Sample ID: **MB-29984** SampType: **MBLK** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **8/28/2006** RunNo: **67129**
Client ID: **PBS** Batch ID: **29984** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **8/30/2006** SeqNo: **999174**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	2.0									
4,4´-DDE	ND	2.0									
4,4´-DDT	ND	2.0									
Aldrin	ND	1.0									
alpha-BHC	ND	1.0									
alpha-Chlordane	ND	1.0									
beta-BHC	ND	1.0									
Chlordane	ND	8.5									
delta-BHC	ND	1.0									
Dieldrin	ND	2.0									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Ninyo & Moore
Work Order: 086290
Project: CALTRANS/I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **MB-29984** SampType: **MBLK** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **8/28/2006** RunNo: **67129**
Client ID: **PBS** Batch ID: **29984** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **8/30/2006** SeqNo: **999174**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Endosulfan I	ND	1.0									
Endosulfan II	ND	2.0									
Endosulfan sulfate	ND	2.0									
Endrin	ND	2.0									
Endrin aldehyde	ND	2.0									
Endrin ketone	ND	2.0									
gamma-BHC	ND	1.0									
gamma-Chlordane	ND	1.0									
Heptachlor	ND	1.0									
Heptachlor epoxide	ND	1.0									
Methoxychlor	ND	8.5									
Toxaphene	ND	85									
Surr: Tetrachloro-m-xylene	13.674		16.67		82.0	62	114				
Surr: Decachlorobiphenyl	15.222		16.67		91.3	41	137				

Sample ID: **LCS-29984** SampType: **LCS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **8/28/2006** RunNo: **67129**
Client ID: **LCSS** Batch ID: **29984** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **8/30/2006** SeqNo: **999175**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	17.061	2.0	16.67	0	102	59	140				
Aldrin	16.289	1.0	16.67	0	97.7	81	130				
Dieldrin	16.265	2.0	16.67	0	97.6	78	124				
Endrin	19.763	2.0	16.67	0	119	90	145				
gamma-BHC	16.303	1.0	16.67	0	97.8	82	128				
Heptachlor	17.047	1.0	16.67	0	102	72	145				
Surr: Tetrachloro-m-xylene	12.733		16.67		76.4	62	114				
Surr: Decachlorobiphenyl	13.835		16.67		83.0	41	137				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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CLIENT: Ninyo & Moore
Work Order: 086290
Project: CALTRANS/I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **MB-30005** SampType: **MBLK** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **8/29/2006** RunNo: **67132**
Client ID: **PBS** Batch ID: **30005** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **8/29/2006** SeqNo: **998959**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	2.0									
4,4´-DDE	ND	2.0									
4,4´-DDT	ND	2.0									
Aldrin	ND	1.0									
alpha-BHC	ND	1.0									
alpha-Chlordane	ND	1.0									
beta-BHC	ND	1.0									
Chlordane	ND	8.5									
delta-BHC	ND	1.0									
Dieldrin	ND	2.0									
Endosulfan I	ND	1.0									
Endosulfan II	ND	2.0									
Endosulfan sulfate	ND	2.0									
Endrin	ND	2.0									
Endrin aldehyde	ND	2.0									
Endrin ketone	ND	2.0									
gamma-BHC	ND	1.0									
gamma-Chlordane	ND	1.0									
Heptachlor	ND	1.0									
Heptachlor epoxide	ND	1.0									
Methoxychlor	ND	8.5									
Toxaphene	ND	85									
Surr: Tetrachloro-m-xylene	14.527		16.67		87.1	62	114				
Surr: Decachlorobiphenyl	12.884		16.67		77.3	41	137				

Sample ID: **LCS-30005** SampType: **LCS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **8/29/2006** RunNo: **67132**
Client ID: **LCSS** Batch ID: **30005** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **8/29/2006** SeqNo: **998960**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	10.512	2.0	16.67	0	63.1	59	140				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
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CLIENT: Ninyo & Moore
Work Order: 086290
Project: CALTRANS/I-5 EXPANSION, 105812001

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **LCS-30005** SampType: **LCS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **8/29/2006** RunNo: **67132**
Client ID: **LCSS** Batch ID: **30005** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **8/29/2006** SeqNo: **998960**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aldrin	15.886	1.0	16.67	0	95.3	81	130				
Dieldrin	13.065	2.0	16.67	0	78.4	78	124				
Endrin	15.016	2.0	16.67	0	90.1	90	145				
gamma-BHC	14.312	1.0	16.67	0	85.9	82	128				
Heptachlor	15.326	1.0	16.67	0	91.9	72	145				
Surr: Tetrachloro-m-xylene	14.712		16.67		88.3	62	114				
Surr: Decachlorobiphenyl	13.720		16.67		82.3	41	137				

Sample ID: **086290-012AMS** SampType: **MS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **8/29/2006** RunNo: **67132**
Client ID: **I5NB-CAN1-HA357-0** Batch ID: **30005** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **8/29/2006** SeqNo: **998962**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	10.360	2.0	16.67	0	62.1	39	159				
Aldrin	14.785	1.0	16.67	0	88.7	65	140				
Dieldrin	12.622	2.0	16.67	0	75.7	48	158				
Endrin	13.999	2.0	16.67	0	84.0	75	170				
gamma-BHC	13.054	1.0	16.67	0	78.3	59	145				
Heptachlor	14.972	1.0	16.67	0	89.8	61	156				
Surr: Tetrachloro-m-xylene	13.750		16.67		82.5	62	114				
Surr: Decachlorobiphenyl	12.952		16.67		77.7	41	137				

Sample ID: **086290-012AMSD** SampType: **MSD** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **8/29/2006** RunNo: **67132**
Client ID: **I5NB-CAN1-HA357-0** Batch ID: **30005** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **8/29/2006** SeqNo: **998963**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	10.960	2.0	16.67	0	65.7	39	159	10.36	5.63	30	
Aldrin	15.124	1.0	16.67	0	90.7	65	140	14.79	2.27	30	
Dieldrin	12.146	2.0	16.67	0	72.9	48	158	12.62	3.84	30	
Endrin	13.072	2.0	16.67	0	78.4	75	170	14.00	6.85	30	
gamma-BHC	13.361	1.0	16.67	0	80.1	59	145	13.05	2.32	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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Work Order: 086290
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ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **086290-012AMSD** SampType: **MSD** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **8/29/2006** RunNo: **67132**
Client ID: **I5NB-CAN1-HA357-0** Batch ID: **30005** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **8/29/2006** SeqNo: **998963**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Heptachlor	15.267	1.0	16.67	0	91.6	61	156	14.97	1.95	30	
Surr: Tetrachloro-m-xylene	14.228		16.67		85.3	62	114		0	30	
Surr: Decachlorobiphenyl	12.676		16.67		76.0	41	137		0	30	

Sample ID: **086290-011ADUP** SampType: **DUP** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **8/29/2006** RunNo: **67132**
Client ID: **I5NB-CAN1-HA356-1** Batch ID: **30005** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **8/29/2006** SeqNo: **1000420**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	2.0						0	0	30	
4,4´-DDE	12.217	2.0						11.51	5.96	30	
4,4´-DDT	6.521	2.0						5.967	8.89	30	
Aldrin	ND	1.0						0	0	30	
alpha-BHC	ND	1.0						0	0	30	
alpha-Chlordane	1.728	1.0						1.791	3.62	30	
beta-BHC	ND	1.0						0	0	30	
Chlordane	ND	8.5						0	0	30	
delta-BHC	ND	1.0						0	0	30	
Dieldrin	ND	2.0						0	0	30	
Endosulfan I	ND	1.0						0	0	30	
Endosulfan II	ND	2.0						0	0	30	
Endosulfan sulfate	ND	2.0						0	0	30	
Endrin	ND	2.0						0	0	30	
Endrin aldehyde	ND	2.0						0	0	30	
Endrin ketone	ND	2.0						0	0	30	
gamma-BHC	ND	1.0						0	0	30	
gamma-Chlordane	ND	1.0						0	0	30	
Heptachlor	ND	1.0						0	0	30	
Heptachlor epoxide	ND	1.0						0	0	30	
Methoxychlor	ND	8.5						0	0	30	
Surr: Tetrachloro-m-xylene	11.174		16.67		67.0	62	114		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **086290-011ADUP** SampType: **DUP** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **8/29/2006** RunNo: **67132**
Client ID: **I5NB-CAN1-HA356-1** Batch ID: **30005** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **8/29/2006** SeqNo: **1000420**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Decachlorobiphenyl	12.128		16.67		72.8	41	137		0	0	

Sample ID: **MB-30005** SampType: **MBLK** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **8/29/2006** RunNo: **67132**
Client ID: **PBS** Batch ID: **30005** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **8/30/2006** SeqNo: **1000530**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	2.0									
4,4´-DDE	ND	2.0									
4,4´-DDT	ND	2.0									
Aldrin	ND	1.0									
alpha-BHC	ND	1.0									
alpha-Chlordane	ND	1.0									
beta-BHC	ND	1.0									
Chlordane	ND	8.5									
delta-BHC	ND	1.0									
Dieldrin	ND	2.0									
Endosulfan I	ND	1.0									
Endosulfan II	ND	2.0									
Endosulfan sulfate	ND	2.0									
Endrin	ND	2.0									
Endrin aldehyde	ND	2.0									
Endrin ketone	ND	2.0									
gamma-BHC	ND	1.0									
gamma-Chlordane	ND	1.0									
Heptachlor	ND	1.0									
Heptachlor epoxide	ND	1.0									
Methoxychlor	ND	8.5									
Toxaphene	ND	85									
Surr: Tetrachloro-m-xylene	13.910		16.67		83.4	62	114				
Surr: Decachlorobiphenyl	21.846		16.67		131	41	137				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: **LCS-30005** SampType: **LCS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **8/29/2006** RunNo: **67132**
Client ID: **LCSS** Batch ID: **30005** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **8/30/2006** SeqNo: **1000531**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	14.076	2.0	16.67	0	84.4	59	140				
Aldrin	19.889	1.0	16.67	0	119	81	130				
Dieldrin	17.715	2.0	16.67	0	106	78	124				
Endrin	20.623	2.0	16.67	0	124	90	145				
gamma-BHC	17.997	1.0	16.67	0	108	82	128				
Heptachlor	21.359	1.0	16.67	0	128	72	145				
Surr: Tetrachloro-m-xylene	15.134		16.67		90.8	62	114				
Surr: Decachlorobiphenyl	15.847		16.67		95.1	41	137				

Sample ID: **086290-011ADUP** SampType: **DUP** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **8/29/2006** RunNo: **67132**
Client ID: **I5NB-CAN1-HA356-1** Batch ID: **30005** TestNo: **EPA 8081A** **EPA 3550B** Analysis Date: **8/30/2006** SeqNo: **1000533**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toxaphene	96.250	85						100.9	4.71	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_W

Sample ID: **LCS-30053** SampType: **LCS** TestCode: **8081_W** Units: **µg/L** Prep Date: **8/31/2006** RunNo: **67278**
Client ID: **LCSW** Batch ID: **30053** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **9/1/2006** SeqNo: **1001064**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	0.475	0.050	0.5000	0	95.1	61	129				
Aldrin	0.495	0.025	0.5000	0	99.0	73	126				
Dieldrin	0.477	0.050	0.5000	0	95.4	72	123				
Endrin	0.578	0.050	0.5000	0	116	84	137				
gamma-BHC	0.482	0.025	0.5000	0	96.4	75	129				
Heptachlor	0.502	0.025	0.5000	0	100	64	145				
Surr: Tetrachloro-m-xylene	0.406		0.5000		81.2	50	116				
Surr: Decachlorobiphenyl	0.333		0.5000		66.5	32	107				

Sample ID: **MB-30053MS** SampType: **MS** TestCode: **8081_W** Units: **µg/L** Prep Date: **8/31/2006** RunNo: **67278**
Client ID: **ZZZZZZ** Batch ID: **30053** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **9/1/2006** SeqNo: **1001066**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	0.515	0.050	0.5000	0	103	61	129				
Aldrin	0.508	0.025	0.5000	0	102	73	126				
Dieldrin	0.515	0.050	0.5000	0	103	72	123				
Endrin	0.596	0.050	0.5000	0	119	84	137				
gamma-BHC	0.495	0.025	0.5000	0	99.0	75	129				
Heptachlor	0.514	0.025	0.5000	0	103	64	145				
Surr: Tetrachloro-m-xylene	0.390		0.5000		77.9	50	116				
Surr: Decachlorobiphenyl	0.344		0.5000		68.7	32	107				

Sample ID: **MB-30053MSD** SampType: **MSD** TestCode: **8081_W** Units: **µg/L** Prep Date: **8/31/2006** RunNo: **67278**
Client ID: **ZZZZZZ** Batch ID: **30053** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **9/1/2006** SeqNo: **1001067**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDT	0.512	0.050	0.5000	0	102	61	129	0.5154	0.734	30	
Aldrin	0.516	0.025	0.5000	0	103	73	126	0.5079	1.55	30	
Dieldrin	0.515	0.050	0.5000	0	103	72	123	0.5151	0.0544	30	
Endrin	0.579	0.050	0.5000	0	116	84	137	0.5959	2.83	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_W

Sample ID: **MB-30053MSD** SampType: **MSD** TestCode: **8081_W** Units: **µg/L** Prep Date: **8/31/2006** RunNo: **67278**
Client ID: **ZZZZZZ** Batch ID: **30053** TestNo: **EPA 8081A** **EPA 3510C** Analysis Date: **9/1/2006** SeqNo: **1001067**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
gamma-BHC	0.502	0.025	0.5000	0	100	75	129	0.4948	1.41	30	
Heptachlor	0.522	0.025	0.5000	0	104	64	145	0.5141	1.52	30	
Surr: Tetrachloro-m-xylene	0.393		0.5000		78.6	50	116		0	30	
Surr: Decachlorobiphenyl	0.386		0.5000		77.1	32	107		0	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

TestCode: HC_S_ATL

Sample ID: **MB-30038** SampType: **MBLK** TestCode: **HC_S_ATL** Units: **mg/Kg** Prep Date: **8/30/2006** RunNo: **67166**
Client ID: **PBS** Batch ID: **30038** TestNo: **EPA 8015B(M LUFT** Analysis Date: **8/30/2006** SeqNo: **999498**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C8-C10	ND	10									
T/R Hydrocarbons: C10-C18	ND	10									
T/R Hydrocarbons: C18-C28	ND	10									
T/R Hydrocarbons: C28-C36	ND	10									
T/R Hydrocarbons: C36-C40	ND	10									
T/R Hydrocarbons: C8-C40 Total	ND	10									
Surr: p-Terphenyl	76.081		80.00		95.1	56	116				

Sample ID: **086290-011ADUP** SampType: **DUP** TestCode: **HC_S_ATL** Units: **mg/Kg** Prep Date: **8/30/2006** RunNo: **67166**
Client ID: **I5NB-CAN1-HA356-1** Batch ID: **30038** TestNo: **EPA 8015B(M LUFT** Analysis Date: **8/30/2006** SeqNo: **999501**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C8-C10	ND	10						0	0	0	
T/R Hydrocarbons: C10-C18	ND	10						0	0	0	
T/R Hydrocarbons: C18-C28	ND	10						0	0	0	
T/R Hydrocarbons: C28-C36	ND	10						0	0	0	
T/R Hydrocarbons: C36-C40	ND	10						0	0	0	
T/R Hydrocarbons: C8-C40 Total	ND	10						0	0	0	
Surr: p-Terphenyl	73.579		80.00		92.0	56	116		0	0	

Sample ID: **MB-30038** SampType: **MBLK** TestCode: **HC_S_ATL** Units: **mg/Kg** Prep Date: **8/30/2006** RunNo: **67166**
Client ID: **PBS** Batch ID: **30038** TestNo: **EPA 8015B(M LUFT** Analysis Date: **8/31/2006** SeqNo: **1000029**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C8-C10	ND	10									
T/R Hydrocarbons: C10-C18	ND	10									
T/R Hydrocarbons: C18-C28	ND	10									
T/R Hydrocarbons: C28-C36	ND	10									
T/R Hydrocarbons: C36-C40	ND	10									
T/R Hydrocarbons: C8-C40 Total	ND	10									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

TestCode: HC_S_ATL

Sample ID:	**MB-30038**	SampType:	**MBLK**	TestCode:	**HC_S_ATL**	Units:	**mg/Kg**	Prep Date:	**8/30/2006**	RunNo:	**67166**		
Client ID:	**PBS**	Batch ID:	**30038**	TestNo:	**EPA 8015B(M LUFT**			Analysis Date:	**8/31/2006**	SeqNo:	**1000029**		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: p-Terphenyl	86.112		80.00		108	56	116				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

BatchID: 30038

Sample ID: **LCS-30038** SampType: **LCS** TestCode: **8015_S_DM** Units: **mg/Kg** Prep Date: **8/30/2006** RunNo: **67166**
Client ID: **LCSS** Batch ID: **30038** TestNo: **EPA 8015B(M LUFT** Analysis Date: **8/30/2006** SeqNo: **999474**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1111.865	10	1000	0	111	67	131				
Surr: p-Terphenyl	81.023		80.00		101	56	116				

Sample ID: **086290-009AMS** SampType: **MS** TestCode: **8015_S_DM** Units: **mg/Kg** Prep Date: **8/30/2006** RunNo: **67166**
Client ID: **I5NB-CAN1-HA354-1** Batch ID: **30038** TestNo: **EPA 8015B(M LUFT** Analysis Date: **8/30/2006** SeqNo: **999616**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1010.841	10	1000	0	101	48	143				
Surr: p-Terphenyl	76.539		80.00		95.7	56	116				

Sample ID: **086290-009AMSD** SampType: **MSD** TestCode: **8015_S_DM** Units: **mg/Kg** Prep Date: **8/30/2006** RunNo: **67166**
Client ID: **I5NB-CAN1-HA354-1** Batch ID: **30038** TestNo: **EPA 8015B(M LUFT** Analysis Date: **8/30/2006** SeqNo: **999617**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1116.427	10	1000	0	112	48	143	1011	9.93	30	
Surr: p-Terphenyl	78.663		80.00		98.3	56	116		0	30	

Sample ID: **LCS-30038** SampType: **LCS** TestCode: **8015_S_DM** Units: **mg/Kg** Prep Date: **8/30/2006** RunNo: **67166**
Client ID: **LCSS** Batch ID: **30038** TestNo: **EPA 8015B(M LUFT** Analysis Date: **8/31/2006** SeqNo: **999823**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	1086.167	10	1000	0	109	67	131				
Surr: p-Terphenyl	88.556		80.00		111	56	116				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

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ANALYTICAL QC SUMMARY REPORT

BatchID: 30038

Sample ID: **086290-011ADUP** SampType: **DUP** TestCode: **HC_S_ATL** Units: **mg/Kg** Prep Date: **8/30/2006** RunNo: **67166**
Client ID: **I5NB-CAN1-HA356-1** Batch ID: **30038** TestNo: **EPA 8015B(M LUFT** Analysis Date: **8/30/2006** SeqNo: **999501**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C8-C10	ND	10						0	0	0	
T/R Hydrocarbons: C10-C18	ND	10						0	0	0	
T/R Hydrocarbons: C18-C28	ND	10						0	0	0	
T/R Hydrocarbons: C28-C36	ND	10						0	0	0	
T/R Hydrocarbons: C36-C40	ND	10						0	0	0	
T/R Hydrocarbons: C8-C40 Total	ND	10						0	0	0	
Surr: p-Terphenyl	73.579		80.00		92.0	56	116		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

Advanced Technology Laboratories
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ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	**9/7/06**
Sampling Date:	**8/24/06**
Date Sample Received:	**8/29/06**
Date Extracted:	**8/29/06 and 8/30/06**
Date Analyzed:	**September 1 and 2, 2006**
Analyzed By:	**EA**
Method:	**EPA 8141A**
Sample Type:	**Soil and Water**
Work Order Number:	**86290**
Sample Log Number:	**06-5797 to 06-5812**

The sample(s) were analyzed with EPA methodology or equivalent methods as specified on the attached "Analyses Results" report. The symbol for "less than" indicates a value below the reportable detection limit.

The results of these analyses and the quality control data are enclosed.

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Attn: Ms. Rachelle Arada

Date of Report:	9/7/06
Sampling Date:	8/24/06
Date Sample Received:	8/29/06
Date Extracted:	8/29/06
Date Analyzed:	September 1, 2006
Analyzed By:	EA
Sample Type:	Soil
Method:	EPA 8141A
Units:	µg/kg

ANALYSES RESULTS

Analysis	Detection Limit	Log Number:	06-5797	06-5798
		Sample ID:	086290-001B 15NB-CAN1-HA346-2.0	086290-002B 15NB-CAN1-HA347-1.0
Azinphos Methyl	5.0		<DL	<DL
Bolstar	5.0		<DL	<DL
Coumaphos	5.0		<DL	<DL
Demeton	5.0		<DL	<DL
Diazinon	5.0		<DL	<DL
Dichlorvos	5.0		<DL	<DL
Disulfoton	5.0		<DL	<DL
Dursban (Chlorpyrifos)	5.0		<DL	<DL
Ethoprop	5.0		<DL	<DL
Fensulfothion	10.0		<DL	<DL
Fenthion	5.0		<DL	<DL
Gardona (Stirophos)	5.0		<DL	<DL
Malathion	5.0		<DL	<DL
Merphos	5.0		<DL	<DL
Methyl Parathion	5.0		<DL	<DL
Mevinphos	5.0		<DL	<DL
Naled	5.0		<DL	<DL
Phorate	5.0		<DL	<DL
Ronnel	5.0		<DL	<DL
Tokuthion	5.0		<DL	<DL
Trichloronate	5.0		<DL	<DL

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Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	9/7/06
Sampling Date:	8/24/06
Date Sample Received:	8/29/06
Date Extracted:	8/29/06
Date Analyzed:	September 1, 2006
Analyzed By:	EA
Sample Type:	Soil
Method:	EPA 8141A
Units:	µg/kg

ANALYSES RESULTS

Analysis	Detection Limit	Log Number:	06-5799	06-5800
		Sample ID:	086290-003B 15NB-CAN1-HA348-0.5	086290-004B 15NB-CAN1-HA349-1.0
Azinphos Methyl	5.0		<DL	<DL
Bolstar	5.0		<DL	<DL
Coumaphos	5.0		<DL	<DL
Demeton	5.0		<DL	<DL
Diazinon	5.0		<DL	<DL
Dichlorvos	5.0		<DL	<DL
Disulfoton	5.0		<DL	<DL
Dursban (Chlorpyrifos)	5.0		<DL	<DL
Ethoprop	5.0		<DL	<DL
Fensulfothion	10.0		<DL	<DL
Fenthion	5.0		<DL	<DL
Gardona (Stirophos)	5.0		<DL	<DL
Malathion	5.0		<DL	<DL
Merphos	5.0		<DL	<DL
Methyl Parathion	5.0		<DL	<DL
Mevinphos	5.0		<DL	<DL
Naled	5.0		<DL	<DL
Phorate	5.0		<DL	<DL
Ronnel	5.0		<DL	<DL
Tokuthion	5.0		<DL	<DL
Trichloronate	5.0		<DL	<DL

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Attn: Ms. Rachelle Arada

Date of Report:	9/7/06
Sampling Date:	8/24/06
Date Sample Received:	8/29/06
Date Extracted:	8/29/06
Date Analyzed:	September 2, 2006
Analyzed By:	EA
Sample Type:	Soil
Method:	EPA 8141A
Units:	µg/kg

ANALYSES RESULTS

Analysis	Detection Limit	Log Number:	06-5801	06-5802
		Sample ID:	086290-005B 15NB-CAN1-HA350-0.5	086290-006B 15NB-CAN1-HA351-1.0
Azinphos Methyl	5.0		<DL	<DL
Bolstar	5.0		<DL	<DL
Coumaphos	5.0		<DL	<DL
Demeton	5.0		<DL	<DL
Diazinon	5.0		<DL	<DL
Dichlorvos	5.0		<DL	<DL
Disulfoton	5.0		<DL	<DL
Dursban (Chlorpyrifos)	5.0		<DL	<DL
Ethoprop	5.0		<DL	<DL
Fensulfothion	10.0		<DL	<DL
Fenthion	5.0		<DL	<DL
Gardona (Stirophos)	5.0		<DL	<DL
Malathion	5.0		<DL	<DL
Merphos	5.0		<DL	<DL
Methyl Parathion	5.0		<DL	<DL
Mevinphos	5.0		<DL	<DL
Naled	5.0		<DL	<DL
Phorate	5.0		<DL	<DL
Ronnel	5.0		<DL	<DL
Tokuthion	5.0		<DL	<DL
Trichloronate	5.0		<DL	<DL

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Attn: Ms. Rachelle Arada

Date of Report:	9/7/06
Sampling Date:	8/24/06
Date Sample Received:	8/29/06
Date Extracted:	8/29/06
Date Analyzed:	September 2, 2006
Analyzed By:	EA
Sample Type:	Soil
Method:	EPA 8141A
Units:	µg/kg

ANALYSES RESULTS

Analysis	Detection Limit	Log Number:	06-5803	06-5804
		Sample ID:	086290-007B 15NB-CAN1-HA352-0.5	086290-008B 15NB-CAN1-HA353-1.5
Azinphos Methyl	5.0		<DL	<DL
Bolstar	5.0		<DL	<DL
Coumaphos	5.0		<DL	<DL
Demeton	5.0		<DL	<DL
Diazinon	5.0		<DL	<DL
Dichlorvos	5.0		<DL	<DL
Disulfoton	5.0		<DL	<DL
Dursban (Chlorpyrifos)	5.0		<DL	<DL
Ethoprop	5.0		<DL	<DL
Fensulfothion	10.0		<DL	<DL
Fenthion	5.0		<DL	<DL
Gardona (Stirophos)	5.0		<DL	<DL
Malathion	5.0		<DL	<DL
Merphos	5.0		<DL	<DL
Methyl Parathion	5.0		<DL	<DL
Mevinphos	5.0		<DL	<DL
Naled	5.0		<DL	<DL
Phorate	5.0		<DL	<DL
Ronnel	5.0		<DL	<DL
Tokuthion	5.0		<DL	<DL
Trichloronate	5.0		<DL	<DL

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Sampling Date:	8/24/06
Date Sample Received:	8/29/06
Date Extracted:	8/29/06
Date Analyzed:	September 2, 2006
Analyzed By:	EA
Sample Type:	Soil
Method:	EPA 8141A
Units:	µg/kg

ANALYSES RESULTS

Analysis	Detection Limit	Log Number:	06-5805	06-5806
		Sample ID:	086290-009B 15NB-CAN1-HA354-1.0	086290-010B 15NB-CAN1-HA355-1.0
Azinphos Methyl	5.0		<DL	<DL
Bolstar	5.0		<DL	<DL
Coumaphos	5.0		<DL	<DL
Demeton	5.0		<DL	<DL
Diazinon	5.0		<DL	<DL
Dichlorvos	5.0		<DL	<DL
Disulfoton	5.0		<DL	<DL
Dursban (Chlorpyrifos)	5.0		<DL	<DL
Ethoprop	5.0		<DL	<DL
Fensulfothion	10.0		<DL	<DL
Fenthion	5.0		<DL	<DL
Gardona (Stirophos)	5.0		<DL	<DL
Malathion	5.0		<DL	<DL
Merphos	5.0		<DL	<DL
Methyl Parathion	5.0		<DL	<DL
Mevinphos	5.0		<DL	<DL
Naled	5.0		<DL	<DL
Phorate	5.0		<DL	<DL
Ronnel	5.0		<DL	<DL
Tokuthion	5.0		<DL	<DL
Trichloronate	5.0		<DL	<DL

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Date of Report:	9/7/06
Sampling Date:	8/24/06
Date Sample Received:	8/29/06
Date Extracted:	8/29/06
Date Analyzed:	September 2, 2006
Analyzed By:	EA
Sample Type:	Soil
Method:	EPA 8141A
Units:	µg/kg

ANALYSES RESULTS

Analysis	Detection Limit	Log Number:	06-5807	06-5808
		Sample ID:	086290-011B	086290-012B
			15NB-CAN1-HA356-1.0	15NB-CAN1-HA357-0.5
Azinphos Methyl	5.0		<DL	<DL
Bolstar	5.0		<DL	<DL
Coumaphos	5.0		<DL	<DL
Demeton	5.0		<DL	<DL
Diazinon	5.0		<DL	<DL
Dichlorvos	5.0		<DL	<DL
Disulfoton	5.0		<DL	<DL
Dursban (Chlorpyrifos)	5.0		<DL	<DL
Ethoprop	5.0		<DL	<DL
Fensulfothion	10.0		<DL	<DL
Fenthion	5.0		<DL	<DL
Gardona (Stirophos)	5.0		<DL	<DL
Malathion	5.0		<DL	<DL
Merphos	5.0		<DL	<DL
Methyl Parathion	5.0		<DL	<DL
Mevinphos	5.0		<DL	<DL
Naled	5.0		<DL	<DL
Phorate	5.0		<DL	<DL
Ronnel	5.0		<DL	<DL
Tokuthion	5.0		<DL	<DL
Trichloronate	5.0		<DL	<DL

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Date of Report:	9/7/06
Sampling Date:	8/24/06
Date Sample Received:	8/29/06
Date Extracted:	8/29/06
Date Analyzed:	September 2, 2006
Analyzed By:	EA
Sample Type:	Soil
Method:	EPA 8141A
Units:	µg/kg

ANALYSES RESULTS

Analysis	Detection Limit	Log Number:	06-5809	06-5810
		Sample ID:	086290-013B 15NB-CAN1-HA358-1.5	086290-014B 15NB-CAN1-HA359-1.0
Azinphos Methyl	5.0		<DL	<DL
Bolstar	5.0		<DL	<DL
Coumaphos	5.0		<DL	<DL
Demeton	5.0		<DL	<DL
Diazinon	5.0		<DL	<DL
Dichlorvos	5.0		<DL	<DL
Disulfoton	5.0		<DL	<DL
Dursban (Chlorpyrifos)	5.0		<DL	<DL
Ethoprop	5.0		<DL	<DL
Fensulfothion	10.0		<DL	<DL
Fenthion	5.0		<DL	<DL
Gardona (Stirophos)	5.0		<DL	<DL
Malathion	5.0		<DL	<DL
Merphos	5.0		<DL	<DL
Methyl Parathion	5.0		<DL	<DL
Mevinphos	5.0		<DL	<DL
Naled	5.0		<DL	<DL
Phorate	5.0		<DL	<DL
Ronnel	5.0		<DL	<DL
Tokuthion	5.0		<DL	<DL
Trichloronate	5.0		<DL	<DL

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Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	**9/7/06**
Sampling Date:	**8/24/06**
Date Sample Received:	**8/29/06**
Date Extracted:	**8/29/06**
Date Analyzed:	**September 2, 2003**
Analyzed By:	**EA**
Sample Type:	**Soil**
Method:	**EPA 8141A**
Unit:	**µg/kg**

ANALYSES RESULTS

Analysis	**Detection Limit**	**Log Number:**	**06-5811**
		Sample ID:	**086290-015B**
			15NB-CAN1-HA360-0.5
Azinphos Methyl	5.0		<DL
Bolstar	5.0		<DL
Coumaphos	5.0		<DL
Demeton	5.0		<DL
Diazinon	5.0		<DL
Dichlorvos	5.0		<DL
Disulfoton	5.0		<DL
Dursban (Chlorpyrifos)	5.0		<DL
Ethoprop	5.0		<DL
Fensulfothion	10.0		<DL
Fenthion	5.0		<DL
Gardona (Stirophos)	5.0		<DL
Malathion	5.0		<DL
Merphos	5.0		<DL
Methyl Parathion	5.0		<DL
Mevinphos	5.0		<DL
Naled	5.0		<DL
Phorate	5.0		<DL
Ronnel	5.0		<DL
Tokuthion	5.0		<DL
Trichloronate	5.0		<DL

Ellen Atienza
Operations Manager

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QUALITY CONTROL DATA REPORT

Date:	**9/7/06**
Attn:	**Ms. Rachelle Arada**
Date Extracted:	**8/29/06**
Date Analyzed:	**September 1 and 2, 2006**
Analysis Method:	**EPA 8141A**
Log #:	**06-5797 to 06-5811**

Method Blank

No target analytes were detected in the method blank.

Laboratory Control Sample

Compound	% Recovery	QC Limits	DUP % Recovery	%RPD	RPD Limits
Diazinon	100	40-130	108	8	30
Methyl Parathion	79	40-130	83	5	30
Dursban (Chlorpyrifos)	100	40-130	102	2	30
Gardona (Stirophos)	54	40-130	51	6	30

SURROGATE RECOVERIES
(Tributylphosphate)

QUALITY CONTROL TERMINOLOGY

- **LCS - LABORATORY CONTROL SAMPLE.** Reported as % recovery of an independent standard carried through all sample preparation procedures to verify method performance. Acceptable range is based on historical laboratory control data and EPA requirements. Any out-of-control QC data is clearly indicated.
- **Spike-** environmental sample is matrix spiked with method compounds and % recovery of concentration spiked into sample is calculated. Reported as % recovery. Acceptable range for "Normal Matrix Sample" is based on historical laboratory control data. Any out-of-control QC data is clearly indicated.
- **Surrogates-** Compounds representative of a group of compounds. Surrogates are spiked into environmental samples and % recovery of concentration spiked is calculated and reported. Acceptable range varies depending on sample matrix and analysis method. Any out-of-control QC data is clearly indicated.

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Log #	Percent Recovery:
Method Blank	112
06-5797	120
06-5798	67
06-5799	76
06-5800	68
06-5801	68
06-5802	75
06-5803	120
06-5804	68
06-5805	70
06-5806	68
06-5807	74
06-5808	77
06-5809	73
06-5810	72
06-5811	65
LCS	80
LCS Dup	80

QC limits: 50 to 170%

Ellen Atienza
Operations Manager

QUALITY CONTROL TERMINOLOGY

- **LCS - LABORATORY CONTROL SAMPLE.** Reported as % recovery of an independent standard carried through all sample preparation procedures to verify method performance. Acceptable range is based on historical laboratory control data and EPA requirements. Any out-of-control QC data is clearly indicated.
- **Spike-** environmental sample is matrix spiked with method compounds and % recovery of concentration spiked into sample is calculated. Reported as % recovery. Acceptable range for "Normal Matrix Sample" is based on historical laboratory control data. Any out-of-control QC data is clearly indicated.
- **Surrogates-** Compounds representative of a group of compounds. Surrogates are spiked into environmental samples and % recovery of concentration spiked is calculated and reported. Acceptable range varies depending on sample matrix and analysis method. Any out-of-control QC data is clearly indicated.

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ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Street
Signal Hill, CA 90807

Attn: Ms. Rachelle Arada

Date of Report:	9/7/06
Sampling Date:	8/24/06
Date Sample Received:	8/29/06
Date Extracted:	8/30/06
Date Analyzed:	September 1, 2006
Analyzed By:	EA
Sample Type:	Water
Method:	EPA 8141A
Unit:	µg/l

ANALYSES RESULTS

Analysis	Detection Limit	Log Number:	06-5812
		Sample ID:	086290-017A
			Equip-HA02-082406
Azinphos Methyl	1.5		<DL
Bolstar	0.15		<DL
Coumaphos	1.5		<DL
Demeton	0.25		<DL
Diazinon	0.1		<DL
Dichlorvos	0.1		<DL
Disulfoton	0.2		<DL
Dursban (Chlorpyrifos)	0.1		<DL
Ethoprop	0.25		<DL
Fensulfothion	2.5		<DL
Fenthion	0.1		<DL
Gardona (Stirophos)	0.5		<DL
Malathion	0.1		<DL
Merphos	0.25		<DL
Methyl Parathion	0.1		<DL
Mevinphos	0.3		<DL
Naled	0.1		<DL
Phorate	0.15		<DL
Ronnel	0.3		<DL
Tokuthion	0.5		<DL
Trichloronate	0.15		<DL

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QUALITY CONTROL DATA REPORT

Date:	**9/7/06**
Attn:	**Ms. Rachelle Arada**
Date Extracted:	**8/30/06**
Date Analyzed:	**September 1, 2006**
Analysis Method:	**EPA 8141A**
Log #:	**06-5812**

Method Blank

No target analytes were detected in the method blank.

Laboratory Control Sample

Compound	% Recovery	QC Limits	DUP % Recovery	%RPD	RPD Limits
Diazinon	111	40-130	111	0	30
Methyl Parathion	92	40-130	94	2	30
Dursban (Chlorpyrifos)	88	40-130	116	27	30
Gardona (Stirophos)	69	40-130	78	12	30

SURROGATE RECOVERIES
(Tributylphosphate)

Log #	Percent Recovery:
Method Blank	120
06-5812	126
LCS	88
LCS Dup	90

QC limits: 50 to 170%

Ellen Atienza
Operations Manager

QUALITY CONTROL TERMINOLOGY

- **LCS - LABORATORY CONTROL SAMPLE.** Reported as % recovery of an independent standard carried through all sample preparation procedures to verify method performance. Acceptable range is based on historical laboratory control data and EPA requirements. Any out-of-control QC data is clearly indicated.
- **Spike-** environmental sample is matrix spiked with method compounds and % recovery of concentration spiked into sample is calculated. Reported as % recovery. Acceptable range for "Normal Matrix Sample" is based on historical laboratory control data. Any out-of-control QC data is clearly indicated.
- **Surrogates-** Compounds representative of a group of compounds. Surrogates are spiked into environmental samples and % recovery of concentration spiked is calculated and reported. Acceptable range varies depending on sample matrix and analysis method. Any out-of-control QC data is clearly indicated.

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CHAIN-OF-CUSTODY RECORD

QC Level: CT w

Subcontractor:
D-Tek
9020 Kenamar Drive, Suite 205
San Diego, CA 92121

TEL: (858) 566-4540
FAX: (858) 566-4542
Acct #:

28-Aug-06

Sample ID	Matrix	Date Collected	Bottle Type	Requested Tests: EPA 8141A	
086290-001B / I5NB-CAN1-HA346-2.0	Soil	8/24/2006 10:34:00 AM	4OZG	1	06-5797
086290-002B / I5NB-CAN1-HA347-1.0	Soil	8/24/2006 10:44:00 AM	4OZG	1	06-5798
086290-003B / I5NB-CAN1-HA348-0.5	Soil	8/24/2006 11:00:00 AM	4OZG	1	06-5799
086290-004B / I5NB-CAN1-HA349-1.0	Soil	8/24/2006 11:05:00 AM	4OZG	1	06-5800
086290-005B / I5NB-CAN1-HA350-0.5	Soil	8/24/2006 11:25:00 AM	4OZG	1	06-5801
086290-006B / I5NB-CAN1-HA351-1.0	Soil	8/24/2006 11:35:00 AM	4OZG	1	06-5802
086290-007B / I5NB-CAN1-HA352-0.5	Soil	8/24/2006 11:40:00 AM	4OZG	1	06-5803
086290-008B / I5NB-CAN1-HA353-1.5	Soil	8/24/2006 11:50:00 AM	4OZG	1	06-5804
086290-009B / I5NB-CAN1-HA354-1.0	Soil	8/24/2006 12:00:00 PM	4OZG	1	06-5805
086290-010B / I5NB-CAN1-HA355-1.0	Soil	8/24/2006 12:20:00 PM	4OZG	1	06-5806
086290-011B / I5NB-CAN1-HA356-1.0	Soil	8/24/2006 12:30:00 PM	4OZG	1	06-5807
086290-012B / I5NB-CAN1-HA357-0.5	Soil	8/24/2006 1:00:00 PM	4OZG	1	06-5808
086290-013B / I5NB-CAN1-HA358-1.5	Soil	8/24/2006 1:40:00 PM	4OZG	1	06-5809
086290-014B / I5NB-CAN1-HA359-1.0	Soil	8/24/2006 1:50:00 PM	4OZG	1	06-5810
086290-015B / I5NB-CAN1-HA360-0.5	Soil	8/24/2006 2:02:00 PM	4OZG	1	06-5811
086290-017A / EQUIP-HA02-082406	Water	8/24/2006 3:05:00 PM	32OZA	1	06-5812

General Comments: Please use PO#: SC00908 Please fax results by: NORMAL TAT

PLEASE SEND REPORT TO RACHELLE ARADA

	Time		Date/Time
Relinquished by:	8/28/06 0800	Received by:	8-28-06 0800
Relinquished by:	8-29-06 11:00A	Received by:	8/29/06 1100

Advanced Technology Labs 3275 Walnut Avenue Signal Hill CA, 90755	Project: NA Project Number: PO# SC00909 Project Manager: Rachelle Arada	**Reported:** 09/12/06 09:58

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
086290-001C / 15NB-CAN1-HA346-2.0	0608549-01	Soil	08/24/06 10:34	08/29/06 10:00
086290-002C / 15NB-CAN1-HA347-1.0	0608549-02	Soil	08/24/06 10:44	08/29/06 10:00
086290-003C / 15NB-CAN1-HA348-0.5	0608549-03	Soil	08/24/06 11:00	08/29/06 10:00
086290-004C / 15NB-CAN1-HA349-1.0	0608549-04	Soil	08/24/06 11:05	08/29/06 10:00
086290-005C / 15NB-CAN1-HA350-0.5	0608549-05	Soil	08/24/06 11:25	08/29/06 10:00
086290-006C / 15NB-CAN1-HA351-1.0	0608549-06	Soil	08/24/06 11:35	08/29/06 10:00
086290-007C / 15NB-CAN1-HA352-0.5	0608549-07	Soil	08/24/06 11:40	08/29/06 10:00
086290-008C / 15NB-CAN1-HA353-1.5	0608549-08	Soil	08/24/06 11:50	08/29/06 10:00
086290-009C / 15NB-CAN1-HA354-1.0	0608549-09	Soil	08/24/06 12:00	08/29/06 10:00
086290-010C / 15NB-CAN1-HA355-1.0	0608549-10	Soil	08/24/06 12:20	08/29/06 10:00
086290-011C / 15NB-CAN1-HA356-1.0	0608549-11	Soil	08/24/06 12:30	08/29/06 10:00
086290-012C / 15NB-CAN1-HA357-0.5	0608549-12	Soil	08/24/06 13:00	08/29/06 10:00
086290-013C / 15NB-CAN1-HA358-1.5	0608549-13	Soil	08/24/06 13:40	08/29/06 10:00
086290-014C / 15NB-CAN1-HA359-1.0	0608549-14	Soil	08/24/06 13:50	08/29/06 10:00
086290-015C / 15NB-CAN1-HA360-0.5	0608549-15	Soil	08/24/06 14:02	08/29/06 10:00
086290-018A / EQUIP-HA03-082406	0608549-16	Liquid	08/24/06 15:10	08/29/06 10:00

CASE NARRATIVE

SAMPLE RECEIPT:	Samples were received intact, at 4 °C, and accompanied by chain of custody documentation.
PRESERVATION:	Samples requiring preservation were verified prior to sample preparation and analysis.
HOLDING TIMES:	All holding times were met, unless otherwise noted in the report with data qualifiers.
QA/QC CRITERIA:	All quality objective criteria were met, except as noted in the report with data qualifiers.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Labs 3275 Walnut Avenue Signal Hill CA, 90755	Project: NA Project Number: PO# SC00909 Project Manager: Rachelle Arada	**Reported:** 09/12/06 09:58

Chlorinated Herbicides by EPA Method 8151A

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
086290-001C / 15NB-CAN1-HA346-2.0 (0608549-01) Soil Sampled: 08/24/06 10:34 Received: 08/29/06 10:00									
2,4,5-T	ND	1.6	µg/kg	1	B6I0639	09/06/06	09/06/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*57.0 %*	*35-150*		"	"	"	"	
086290-002C / 15NB-CAN1-HA347-1.0 (0608549-02) Soil Sampled: 08/24/06 10:44 Received: 08/29/06 10:00									
2,4,5-T	ND	1.6	µg/kg	1	B6I0639	09/06/06	09/06/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*42.5 %*	*35-150*		"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Labs 3275 Walnut Avenue Signal Hill CA, 90755	Project: NA Project Number: PO# SC00909 Project Manager: Rachelle Arada	**Reported:** 09/12/06 09:58

Chlorinated Herbicides by EPA Method 8151A

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
086290-003C / 15NB-CAN1-HA348-0.5 (0608549-03) Soil Sampled: 08/24/06 11:00 Received: 08/29/06 10:00									
2,4,5-T	ND	1.6	µg/kg	1	B6I0639	09/06/06	09/06/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*55.2 %*	*35-150*		"	"	"	"	
086290-004C / 15NB-CAN1-HA349-1.0 (0608549-04) Soil Sampled: 08/24/06 11:05 Received: 08/29/06 10:00									
2,4,5-T	ND	1.6	µg/kg	1	B6I0639	09/06/06	09/06/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*51.3 %*	*35-150*		"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Labs 3275 Walnut Avenue Signal Hill CA, 90755	Project: NA Project Number: PO# SC00909 Project Manager: Rachelle Arada	**Reported:** 09/12/06 09:58

Chlorinated Herbicides by EPA Method 8151A

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
086290-005C / 15NB-CAN1-HA350-0.5 (0608549-05) Soil Sampled: 08/24/06 11:25 Received: 08/29/06 10:00									
2,4,5-T	ND	1.6	µg/kg	1	B6I0639	09/06/06	09/06/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*47.0 %*	*35-150*		"	"	"	"	
086290-006C / 15NB-CAN1-HA351-1.0 (0608549-06) Soil Sampled: 08/24/06 11:35 Received: 08/29/06 10:00									
2,4,5-T	ND	1.6	µg/kg	1	B6I0639	09/06/06	09/06/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*47.2 %*	*35-150*		"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Labs 3275 Walnut Avenue Signal Hill CA, 90755	Project: NA Project Number: PO# SC00909 Project Manager: Rachelle Arada	**Reported:** 09/12/06 09:58

Chlorinated Herbicides by EPA Method 8151A

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
086290-007C / 15NB-CAN1-HA352-0.5 (0608549-07) Soil Sampled: 08/24/06 11:40 Received: 08/29/06 10:00									
2,4,5-T	ND	1.6	µg/kg	1	B6I0639	09/06/06	09/07/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*36.6 %*	*35-150*		"	"	"	"	
086290-008C / 15NB-CAN1-HA353-1.5 (0608549-08) Soil Sampled: 08/24/06 11:50 Received: 08/29/06 10:00									
2,4,5-T	ND	1.6	µg/kg	1	B6I0639	09/06/06	09/07/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*36.3 %*	*35-150*		"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Labs 3275 Walnut Avenue Signal Hill CA, 90755	Project: NA Project Number: PO# SC00909 Project Manager: Rachelle Arada	**Reported:** 09/12/06 09:58

Chlorinated Herbicides by EPA Method 8151A

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
086290-009C / 15NB-CAN1-HA354-1.0 (0608549-09) Soil Sampled: 08/24/06 12:00 Received: 08/29/06 10:00									
2,4,5-T	ND	1.6	µg/kg	1	B6I0639	09/06/06	09/07/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*36.8 %*	*35-150*		"	"	"	"	
086290-010C / 15NB-CAN1-HA355-1.0 (0608549-10) Soil Sampled: 08/24/06 12:20 Received: 08/29/06 10:00									
2,4,5-T	ND	1.6	µg/kg	1	B6I0639	09/06/06	09/07/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*47.2 %*	*35-150*		"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Labs	Project: NA	
3275 Walnut Avenue	Project Number: PO# SC00909	**Reported:**
Signal Hill CA, 90755	Project Manager: Rachelle Arada	09/12/06 09:58

Chlorinated Herbicides by EPA Method 8151A

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
086290-011C / 15NB-CAN1-HA356-1.0 (0608549-11) Soil Sampled: 08/24/06 12:30 Received: 08/29/06 10:00									
2,4,5-T	ND	1.6	µg/kg	1	B6I0639	09/06/06	09/07/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*41.3 %*	*35-150*		"	"	"	"	
086290-012C / 15NB-CAN1-HA357-0.5 (0608549-12) Soil Sampled: 08/24/06 13:00 Received: 08/29/06 10:00									
2,4,5-T	ND	1.6	µg/kg	1	B6I0639	09/06/06	09/07/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*48.4 %*	*35-150*		"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Labs 3275 Walnut Avenue Signal Hill CA, 90755	Project: NA Project Number: PO# SC00909 Project Manager: Rachelle Arada	**Reported:** 09/12/06 09:58

Chlorinated Herbicides by EPA Method 8151A

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
086290-013C / 15NB-CAN1-HA358-1.5 (0608549-13) Soil Sampled: 08/24/06 13:40 Received: 08/29/06 10:00									
2,4,5-T	ND	1.6	µg/kg	1	B6I0639	09/06/06	09/07/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*44.4 %*	*35-150*		"	"	"	"	
086290-014C / 15NB-CAN1-HA359-1.0 (0608549-14) Soil Sampled: 08/24/06 13:50 Received: 08/29/06 10:00									
2,4,5-T	ND	1.6	µg/kg	1	B6I0639	09/06/06	09/07/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*45.0 %*	*35-150*		"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Advanced Technology Labs	Project: NA	
3275 Walnut Avenue	Project Number: PO# SC00909	**Reported:**
Signal Hill CA, 90755	Project Manager: Rachelle Arada	09/12/06 09:58

Chlorinated Herbicides by EPA Method 8151A

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
086290-015C / 15NB-CAN1-HA360-0.5 (0608549-15) Soil Sampled: 08/24/06 14:02 Received: 08/29/06 10:00									
2,4,5-T	ND	1.6	µg/kg	1	B6I0639	09/06/06	09/07/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	1.6	"	"	"	"	"	"	
2,4-D	ND	1.6	"	"	"	"	"	"	
2,4-DB	ND	4.0	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	2.0	"	"	"	"	"	"	
4-Nitrophenol	ND	2.0	"	"	"	"	"	"	
Acifluorfen	ND	1.6	"	"	"	"	"	"	
Bentazon	ND	1.6	"	"	"	"	"	"	
Chloramben	ND	1.6	"	"	"	"	"	"	
Dalapon	ND	20	"	"	"	"	"	"	
DCPA diacid	ND	1.6	"	"	"	"	"	"	
Dicamba	ND	1.6	"	"	"	"	"	"	
Dichlorprop	ND	1.6	"	"	"	"	"	"	
Dinoseb	ND	1.6	"	"	"	"	"	"	
Pentachlorophenol	ND	1.6	"	"	"	"	"	"	
Picloram	ND	1.6	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*56.4 %*	*35-150*		"	"	"	"	
086290-018A / EQUIP-HA03-082406 (0608549-16) Liquid Sampled: 08/24/06 15:10 Received: 08/29/06 10:00									
2,4,5-T	ND	0.080	µg/L	1	B6I0104	08/30/06	09/01/06	EPA 8151A	
2,4,5-TP (Silvex)	ND	0.080	"	"	"	"	"	"	
2,4-D	ND	0.080	"	"	"	"	"	"	
2,4-DB	ND	0.20	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	0.10	"	"	"	"	"	"	
4-Nitrophenol	ND	0.10	"	"	"	"	"	"	
Acifluorfen	ND	0.080	"	"	"	"	"	"	
Bentazon	ND	0.080	"	"	"	"	"	"	
Chloramben	ND	0.080	"	"	"	"	"	"	
Dalapon	ND	1.0	"	"	"	"	"	"	
DCPA diacid	ND	0.080	"	"	"	"	"	"	
Dicamba	ND	0.080	"	"	"	"	"	"	
Dichlorprop	ND	0.080	"	"	"	"	"	"	
Dinoseb	ND	0.080	"	"	"	"	"	"	
Pentachlorophenol	ND	0.080	"	"	"	"	"	"	
Picloram	ND	0.080	"	"	"	"	"	"	
Surrogate: 2,4-Dichlorophenylacetic Acid		*48.2 %*	*35-150*		"	"	"	"	

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Advanced Technology Labs	Project: NA	
3275 Walnut Avenue	Project Number: PO# SC00909	**Reported:**
Signal Hill CA, 90755	Project Manager: Rachelle Arada	09/12/06 09:58

Chlorinated Herbicides by EPA Method 8151A - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6I0104 - EPA 8151A Herbicides										
Blank (B6I0104-BLK1)				Prepared: 08/30/06 Analyzed: 09/01/06						
2,4,5-T	ND	0.080	µg/L							
2,4,5-TP (Silvex)	ND	0.080	"							
2,4-D	ND	0.080	"							
2,4-DB	ND	0.20	"							
3,5-Dichlorobenzoic acid	ND	0.10	"							
4-Nitrophenol	ND	0.10	"							
Acifluorfen	ND	0.080	"							
Bentazon	ND	0.080	"							
Chloramben	ND	0.080	"							
Dalapon	ND	1.0	"							
DCPA diacid	ND	0.080	"							
Dicamba	ND	0.080	"							
Dichlorprop	ND	0.080	"							
Dinoseb	ND	0.080	"							
Pentachlorophenol	ND	0.080	"							
Picloram	ND	0.080	"							
Surrogate: 2,4-Dichlorophenylacetic Acid	*3.42*		*"*	*5.00*		*68.4*	*35-150*			
LCS (B6I0104-BS1)				Prepared: 08/30/06 Analyzed: 08/31/06						
2,4,5-T	0.657	0.080	µg/L	0.500		131	20-150			
2,4,5-TP (Silvex)	0.681	0.080	"	0.500		136	20-150			
Dichlorprop	0.703	0.080	"	0.500		141	20-150			
Dinoseb	0.654	0.080	"	0.500		131	20-150			
Matrix Spike (B6I0104-MS1)		**Source: 0608477-17**		Prepared: 08/30/06 Analyzed: 09/01/06						
2,4,5-T	0.673	0.080	µg/L	0.500	ND	135	20-150			
2,4,5-TP (Silvex)	0.700	0.080	"	0.500	ND	140	20-150			
Dichlorprop	0.713	0.080	"	0.500	ND	143	20-150			
Dinoseb	0.651	0.080	"	0.500	ND	130	20-150			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653
TELEPHONE: (949) 348-9389 FAX: (949) 348-9115
E-MAIL: SIERRALABS @ SIERRALABS.NET

Advanced Technology Labs	Project: NA	
3275 Walnut Avenue	Project Number: PO# SC00909	**Reported:**
Signal Hill CA, 90755	Project Manager: Rachelle Arada	09/12/06 09:58

Chlorinated Herbicides by EPA Method 8151A - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6I0104 - EPA 8151A Herbicides										
Matrix Spike Dup (B6I0104-MSD1)		**Source: 0608477-17**		Prepared: 08/30/06 Analyzed: 09/01/06						
2,4,5-T	0.671	0.080	µg/L	0.500	ND	134	20-150	0.298	30	
2,4,5-TP (Silvex)	0.645	0.080	"	0.500	ND	129	20-150	8.18	30	
Dichlorprop	0.678	0.080	"	0.500	ND	136	20-150	5.03	30	
Dinoseb	0.637	0.080	"	0.500	ND	127	20-150	2.17	30	
Batch B6I0639 - EPA 8151A Herbicides										
Blank (B6I0639-BLK1)				Prepared & Analyzed: 09/06/06						
2,4,5-T	ND	1.6	µg/kg							
2,4,5-TP (Silvex)	ND	1.6	"							
2,4-D	ND	1.6	"							
2,4-DB	ND	4.0	"							
3,5-Dichlorobenzoic acid	ND	2.0	"							
4-Nitrophenol	ND	2.0	"							
Acifluorfen	ND	1.6	"							
Bentazon	ND	1.6	"							
Chloramben	ND	1.6	"							
Dalapon	ND	20	"							
DCPA diacid	ND	1.6	"							
Dicamba	ND	1.6	"							
Dichlorprop	ND	1.6	"							
Dinoseb	ND	1.6	"							
Pentachlorophenol	ND	1.6	"							
Picloram	ND	1.6	"							
Surrogate: 2,4-Dichlorophenylacetic Acid	*74.5*		*"*	*100*		*74.5*	*35-150*			
LCS (B6I0639-BS1)				Prepared & Analyzed: 09/06/06						
2,4,5-T	5.94	1.6	µg/kg	10.0		59.4	20-150			
2,4,5-TP (Silvex)	5.24	1.6	"	10.0		52.4	20-150			
Dichlorprop	6.00	1.6	"	10.0		60.0	20-150			
Dinoseb	4.07	1.6	"	10.0		40.7	20-150			

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Advanced Technology Labs	Project: NA	
3275 Walnut Avenue	Project Number: PO# SC00909	**Reported:**
Signal Hill CA, 90755	Project Manager: Rachelle Arada	09/12/06 09:58

Chlorinated Herbicides by EPA Method 8151A - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6I0639 - EPA 8151A Herbicides										
Matrix Spike (B6I0639-MS1)		**Source: 0608549-01**		Prepared & Analyzed: 09/06/06						
2,4,5-T	6.48	1.6	µg/kg	10.0	ND	64.8	20-150			
2,4,5-TP (Silvex)	5.80	1.6	"	10.0	ND	58.0	20-150			
Dichlorprop	6.45	1.6	"	10.0	ND	64.5	20-150			
Dinoseb	4.76	1.6	"	10.0	ND	47.6	20-150			
Matrix Spike Dup (B6I0639-MSD1)		**Source: 0608549-01**		Prepared & Analyzed: 09/06/06						
2,4,5-T	7.29	1.6	µg/kg	10.0	ND	72.9	20-150	11.8	30	
2,4,5-TP (Silvex)	6.51	1.6	"	10.0	ND	65.1	20-150	11.5	30	
Dichlorprop	6.98	1.6	"	10.0	ND	69.8	20-150	7.89	30	
Dinoseb	4.86	1.6	"	10.0	ND	48.6	20-150	2.08	30	

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Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:
Logged By: Date: 8/25/06

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other:

Sample Condition Upon Receipt:
1. CHILLED Y☑ N☐
2. HEADSPACE (VOA) Y☐ N☐
3. CONTAINER INTACT Y☑ N☐
4. SEALED Y☐ N☑
5. # OF SPLS MATCH COC Y☑ N☐
6. PRESERVED Y☐ N☑

Client: Ninyo + Moore
Attn: Scott Snyder
Address: 5710 Ruffin Rd.
City San Diego State CA Zip Code 92123
TEL: (858) 576-1000
FAX: (858) 576-9600

Project Name: CALTRANS I-5 Expansion
Project #: 105812001
Sampler: (Printed Name) Andrew Lashomb (Signature)

Relinquished by: (Signature and Printed Name)	Date	Time	Received by: (Signature and Printed Name)	Date	Time
	8/24/06	4:00pm		8-24-06	4:30pm
	8-25-06	6:40p		8/25/06	7:17

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Andrew Lashomb 8/24/06 (Print Name, Date)
Signature

Send Report To:
Attn: Scott Snyder
Co: Ninyo and Moore
Address 5710 Ruffin Rd
City SD State CA Zip 92123

Bill To:
Attn: See Info
Co:
Address
City State Zip

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	8141	8151	8015 08-C44	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	086290 - 1	I5NB-CAN1-HA346-2.0	8/24/06	10:34													X				E	1	J G	C	
	- 2	I5NB-CAN1-HA347-1.0		10:44																					
	- 3	I5NB-CAN1-HA348-0.5		11:00																					
	- 4	I5NB-CAN1-HA349-1.0		11:05																					
	- 5	I5NB-CAN1-HA350-0.5		11:25																					
	- 6	I5NB-CAN1-HA351-1.0		11:35																					
	- 7	I5NB-CAN1-~~35~~ 45 HA352-0.5		11:40																					
	- 8	I5NB-CAN1-HA353-1.5		11:50																					
	- 9	I5NB-CAN1-HA354-1.0		12:00											X										
	- 10	I5NB-CAN1-HA355-1.0		12:20																					

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:
Logged By: Date: 8/25/06

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other:

Sample Condition Upon Receipt:
1. CHILLED Y☑ N☐ 4. SEALED Y☐ N☑
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☑ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☐ N☑

Client: NINYO + MOORE
Attn: SCOTT SNYDER
Address: 5710 RUFFIN RD
City SAN DIEGO State CA Zip Code 92123
TEL: (858) 576-1000
FAX: (858) 576-9600

Project Name: CALTRANS/I-5 EXPANSION
Project #: 10581200 1
Sampler: (Printed Name) Andrew Lashomb (Signature)

Relinquished by: (Signature and Printed Name) Date: 8/24/06 Time: 4:00pm
Received by: (Signature and Printed Name) Date: 8-25-06 Time: 11:30a
Relinquished by: (Signature and Printed Name) Date: 8-25-06 Time: 6:40p
Received by: (Signature and Printed Name) Date: 8/25/06 Time: 7:17
Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Andrew Lashomb
Print Name Date
Signature

Send Report To:
Attn: SCOTT SNYDER
Co: NINYO + MOORE
Address 5710 RUFFIN RD
City SD State CA Zip 92123

Bill To:
Attn: SEE INFO
Co:
Address
City State Zip

Special Instructions/Comments:

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

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- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested

Q A / Q C: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	6010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	8141	8151	8015 C4-C44	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	0806290 - 11	I5NB-CAN1-HA356-1.5	8/24/06	12:30	↓								↓	↓	X		X				E	1	J G	C	1.5
	- 12	I5NB-CAN1-HA357-0.5	↓	13:00													X								
	- 13	I5NB-CAN1-HA358-1.5		13:40													X								
	- 14	I5NB-CAN1-HA359-1.0		13:50													X								
	- 15	I5NB-CAN1-HA360-0.5	↓	14:02	↓								↓	↓			X						↓		
	- 16	EQUIP-HA01-082406	↓	1500	X													X					L		
	- 17	EQUIP-HA02-082406		1505									X					X							
	- 18	EQUIP-HA03-082406	↓	1510										X				X			↓	↓	↓	↓	

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: **White** with report, **Yellow** to folder, **Pink** to submitter.