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**SOIL AND GROUNDWATER  
INVESTIGATION REPORT  
925 STANFORD AVENUE  
OAKLAND, CALIFORNIA  
CASE NO. RO00002983**

**PREPARED FOR:**

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**PREPARED BY:**

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June 2, 2010  
Project No. 401559002

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Ms. Susan Rosenberg  
Willbett Company  
109 Hartford Road  
Danville, California 94526

Subject: Soil and Groundwater Investigation Report  
925 Stanford Avenue  
Oakland, California  
Case No. RO00002983

Dear Ms. Rosenberg:

Ninyo & Moore is pleased to submit this Soil and Groundwater Investigation Report for the subject property. The attached report has been prepared to document our investigation activities performed to evaluate the extent and magnitude of petroleum hydrocarbon impacts to soil and groundwater resulting from releases from former underground storage tanks (USTs) on site.

We appreciate the opportunity to be of service to you on this project.

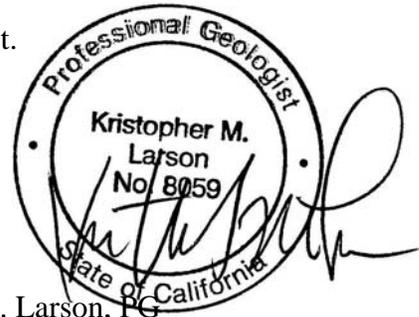
Sincerely,  
**NINYO & MOORE**



Cem R. Atabek  
Senior Staff Environmental Engineer

CRA/KML/dhi

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(1 electronic copy) Barbara Jakub, Alameda County Environmental Health



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- Appendix B – Boring Logs
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## 1. INTRODUCTION

Ninyo & Moore has prepared a Soil and Groundwater Investigation Report for the property located at 925 Stanford Avenue in Oakland, California (site) (Figure 1). This report has been prepared to document the investigation activities which were performed in general accordance with Ninyo & Moore's Preferential Pathways Survey and Site Assessment Work Plan (work plan), dated July 28, 2009. The work plan was conditionally approved by the Alameda County Environmental Health Department (ACEH) in a letter dated April 16, 2010, which is included in Appendix A. The conditional approval letter requested the following modifications to the work plan:

- Soil samples should be collected by cutting and capping the acetate liners of the drill rods to minimize volatilization, and samples should be collected at lithologic changes and at a minimum of every 5 feet;
- Laboratory analysis of soil and groundwater samples should include analysis of: benzene, toluene, ethylbenzene, and xylenes (BTEX), methyl-tert-butyl-ether (MTBE), ethyl-tert-butyl-ether (ETBE), di-isopropyl ether (DIPE), tert-amyl-methyl-ether (TAME), tert-butyl alcohol (TBA), 1,2-dibromoethane (ethylene dibromide [EDB]), and 1,2-dichloroethane (ethylene dichloride [EDC]);
- Proposed boring B-3 should be moved closer to the former 1,300-gallon underground storage tank (UST) to evaluate whether contaminants may have migrated through an adjacent sanitary sewer trench; and
- Soil samples should be collected from the area of the former aboveground storage tank (AST) to evaluate potential impacts in this area.

## 2. BACKGROUND

### 2.1. Site Description

The site is located in a mixed industrial/commercial/residential area of Oakland near the Emeryville Boarder. The industrial style building on site is currently occupied by S.T. Johnson, an industrial and commercial burner manufacturing company. The remainder of the site consists of asphalt and concrete parking areas. The site is bordered by Stanford Avenue to the north, Lowell Street to the west, Grace Avenue to the south and a small industrial style

facility adjacent to the east. Grace Avenue dead ends on the south side of the site and this unpaved area is used as parking.

## **2.2. Previous Environmental Investigations**

Previous environmental investigations performed at the site include the removal of two former USTs and a former AST, and the preparation of a Preferential Pathways Survey for the site.

### **2.2.1. UST and AST Removal Activities**

According to the Report of UST Removal Activities, prepared by Gribi Associates (Gribi, 2008), two USTs and an above ground storage tank (AST) were formerly located on site, all of which reportedly contained heating oil which was used in the boiler and furnace manufacturing facility on site. One of the USTs was an approximately 1,300-gallon tank which was located in the northwest corner of the site and the other UST was an approximately 425-gallon tank which was located at the southeast corner of the site (Figure 2). An approximately 650-gallon AST was located off the southwest corner of the site. The AST was removed on March 6, 2008 and the USTs were removed during the week of April 21, 2008 by Golden Gate Tank Removal under the supervision of Gribi Associates. Sampling of soil and groundwater from the UST excavations was performed following removal of the USTs and also after over-excavation activities.

Analytical results revealed no detectable concentrations of petroleum hydrocarbon compounds in the soil samples collected from beneath east and west ends of the former 1,300-gallon UST. Samples were collected at a depth of 10 feet below ground surface (bgs) subsequent to tank removal, and at 11 feet bgs subsequent to over-excavation. Elevated concentrations of petroleum hydrocarbon compounds were detected in the pit groundwater samples collected from this UST excavation, including 11,000 micrograms per liter ( $\mu\text{g/L}$ ) of total petroleum hydrocarbons as gasoline (TPHg), 140,000  $\mu\text{g/L}$  of total petroleum hydrocarbons as motor oil (TPHmo), and 430,000  $\mu\text{g/L}$  of total petroleum hydrocarbons as diesel (TPHd). Subsequent to dewatering and over-excavation, a

pit groundwater sample collected revealed concentrations of TPHg (160 µg/L), TPHmo (7,600 µg/L) and TPHd (16,000 µg/L).

Subsequent to removal of the 425 ft UST, analytical results from confirmation soil samples collected revealed slightly elevated concentrations of TPHd and TPHmo and low concentrations of TPHg. The confirmation samples were collected at depths of 8 and 10 feet bgs. Concentrations of petroleum compounds in the sample collected from just below the center of the former UST at a depth of 8 feet bgs were 390 milligrams per kilogram (mg/kg) of TPHd, 370 mg/kg of TPHmo, and 43 mg/kg of TPHg. A similar concentration of TPHg (49 mg/kg) and lower concentrations of TPHd (120 mg/kg) and TPHmo (32 mg/kg) were detected in the sample collected from 10 feet bgs. Based on these results the pit soil was over-excavated and additional confirmation samples were collected from 11 ft. bgs, and low to non-detectable concentrations of petroleum compounds were detected in these samples. A pit groundwater samples was collected from this excavation subsequent to UST removal but prior to dewatering and over-excavation which revealed concentrations of TPHd (310 µg/L) and TPHmo (370 µg/L) and no detectable concentration of TPHg. A groundwater sample could not be collected subsequent to dewatering and over-excavation due to instability of the excavation side-walls.

BTEX were not detected in the soil or groundwater samples collected from either excavation with the exception of low concentrations of ethyl-benzene and xylenes detected in the soil sample collected at 8 feet bgs in the former 425-gallon UST excavation.

### **2.2.2. Preferential Pathways Survey**

A Preferential Pathways Survey was performed for the site as presented in Ninyo & Moore's 2009 work plan. The Preferential Pathway Survey was performed to locate utility conduits within the site vicinity to evaluate whether the conduits may have or are currently acting as preferential pathways for contaminant migration away from the site. The Preferential Pathway Survey also included a search of wells located within a quar-

ter mile from the site to evaluate the potential for contaminants originating on-site to impact off-site wells. The utilities identified during the Preferential Pathway Survey are indicated on Figure 2. A sanitary sewer line was identified adjacent to the north of the former 1,300-gallon UST which had the potential to act as a preferential pathway based on its proximity to the former UST.

### **2.3. Site Geology and Sedimentology**

The area of the site is relatively flat, with a gradual downward slope toward the west. The Oakland/Emeryville area is situated on a broad, alluvial plain that slopes gently west from the Berkeley/Oakland hills to the San Francisco Bay. The alluvial plain is comprised of alluvial sediments derived from erosion of the hills to the east. The site region is located near the center of the alluvial plain and is underlain by fine-grained alluvial and tidal-bay sediments of geologically recent age.

Based on field observations and the review of borings logs, shallow fill material encountered on site is primarily sandy clay with gravel. On the north side of the site, fill material was observed to extend from below the paved surfaces to approximately 3 to 7 feet bgs, and as deep as approximately 10 feet bgs in the boring advanced closest to the former 1,300 gallon UST. On the south side of the site, fill material was observed to extend from below the paved surfaces to approximately 1.5 feet bgs. Native material encountered below the fill material was primarily stiff silty sandy clay or stiff sandy clay with low estimated permeability and occasional layers of clayey sand or clayey gravelly sand with higher estimated permeability. Copies of the soil boring logs are presented in Appendix B.

### **2.4. Site Hydrogeology**

The groundwater flow direction is anticipated to be towards the west, following the natural topography of the area. Groundwater was encountered at varying depths on site. On the north side of the site, groundwater was encountered from 5.8 to 12.75 feet bgs. The groundwater level was observed to be rising in the borings where groundwater was measured at deeper depths due to a slower rate of infiltration. On the south side of the site, groundwater

was encountered from 2.8 to 13.5 feet bgs. Groundwater was observed to quickly infiltrate the boring where groundwater was measured at 2.8 feet bgs and to infiltrate at much slower rates in the other borings. After leaving two borings open overnight, the depths to groundwater were measured at 3.2 and 13.5 feet bgs.

### **2.5. Surface Water Bodies**

The San Francisco Bay is the closest surface water body and is located approximately 1.15 miles west of the site.

## **3. FIELD ACTIVITIES**

Ninyo & Moore performed investigation activities to evaluate the magnitude and extent of petroleum hydrocarbon impacts in soil and groundwater in the vicinity of the former USTs. The following sections describe the pre-field activities and field activities performed.

### **3.1. Pre-field Preparations**

*Underground Services Alert:* As required by State law, Ninyo & Moore marked the locations of proposed soil borings with white paint and call USA to obtain a utility location ticket at least 48 hours prior to drilling.

*Utility Location:* Private utility location was performed to clear the proposed boring locations during the utility survey of the entire site performed in 2009, therefore additional private utility location services was not necessary.

*Permits:* A drilling permit was obtained from Alameda County Public Works prior to field activities. A copy of the drilling permit is included in Appendix A.

### **3.2. Soil Boring Advancement**

On March 12 and 13, 2010, Ninyo & Moore advanced eight borings (B-1 through B-8) (Figure 2) for the purpose of soil and groundwater sampling to evaluate the lateral and verti-

cal extent of impacts, and to evaluate whether constituents from an off-site UST located at the north end of the eastern adjacent property (Figure 2) may also be impacting the site groundwater. Four borings (B-1 through B-4) were advanced to depths ranging from 15 to 18 feet bgs in the area surrounding the former 1,300-gallon UST in the northwest portion of the site. Boring B-1 was advanced approximately 25 feet east of the former 1,300-gallon UST to evaluate whether impacts to site groundwater may be due to the migration of constituents from the off-site UST. Three borings (B-5 through B-7) were advanced in the area surrounding the former 425-gallon UST in the southeast portion of the site. Boring B-5 was only advanced to 10 feet bgs as groundwater quickly infiltrated the boring at this depth. Borings B-6 and B-7 were advanced to 20 and 21.5 feet bgs, respectively, as groundwater did not readily infiltrate these borings and physical signs of impacts were observed to extend below 15 feet bgs. One shallow boring (B-8) was advanced to 5 feet bgs in the southwest portion of the site off the edge of the paved surface where the former 650-gallon AST was located.

The borings were advanced using a hand auger and/or direct push drill rig. Continuous soil cores were collected in acetate liners of the direct push drill rods and examined by a Ninyo & Moore field staff. Observations of soil lithology were recorded on soil boring logs (Appendix B). Encountered soils were screened for volatile compounds using a photoionization detector (PID) and the results of the field screening were recorded on the boring logs.

### **3.3. Soil Sampling Methodology**

Soil samples were collected from each boring with the exception of boring B-1 due to its distance from the potential source areas, and because B-1 was installed to evaluate groundwater impacts from the upgradient property. Shallow soil samples were collected from the soil surface (0.0-0.5 feet bgs) and from 2.0-2.5 feet bgs in boring B-8 to evaluate potential impacts to shallow soil in the location of the former AST. Soil samples were collected from three different depths in the remaining borings including:

- near the soil/groundwater interface or at the depth where physical signs of impacts such as staining, odors or elevated PID readings were first observed;
- at a depth of approximately 10 ft bgs or where physical signs of impacts were most pronounced or began to attenuate; and
- from a depth where physical signs of impacts were no longer observed or had attenuated significantly.

Soil samples were collected by cutting sections of the acetate liners at the desired depths and sealing the ends of the liners with Teflon tape and plastic end caps. The samples were labeled, inserted into individual zip-lock type bags, and stored in a cooler on ice under chain-of-custody for transport to Advanced Technology Laboratories (ATL), a state-certified analytical laboratory located in Signal Hill, California.

#### **3.4. Groundwater Sampling Methodology**

Grab groundwater samples were collected from borings B-1 through B-7. Upon completion of the direct push boring, new temporary PVC well casings were installed in the boreholes. The depth to groundwater was measured through the casings using a decontaminated water level meter prior to sampling, and the depth to water was recorded on the boring logs. Groundwater samples were collected using a peristaltic pump with new tubing at each boring location. While collecting samples for analysis of TPHg and fuel oxygenates, the pump was run at low speed to minimize disturbance of groundwater. The samples were collected in the appropriate laboratory supplied sample containers, labeled, inserted into protective sleeves, and stored on ice under chain-of-custody for transport to ATL.

#### **3.5. Decontamination Procedures**

All equipment that came into contact with potentially contaminated soil or water was decontaminated consistently to assure the quality of samples collected. Decontamination occurred prior to and after each use of a piece of equipment. All drilling and sampling devices used were decontaminated using a steam cleaner. Disposable equipment intended for one-time

use was not decontaminated. Nitrile gloves were changed between each sample collection to minimize the likelihood of cross contamination.

### **3.6. Investigation Derived Waste Disposal**

Soil cuttings and decontamination fluids generated from field activities were placed in two properly labeled 55-gallon drums, and stored on-site near the southwest corner of the site building. Gloves and miscellaneous trash remaining from the site sampling activities were stored in plastic bags and disposed of as municipal waste. On May 28, 2010, the 55-gallon drums were removed from the site by Filter Recycling of Colton, California. A copy of the waste manifest is included in Appendix A.

### **3.7. Analytical Methods**

The soil and groundwater samples collected were analyzed for TPHd, TPHmo, and TPHg by EPA Method 8015B, and the following volatile organic compounds (VOCs) by EPA Method 8260B: BTEX, MTBE, ETBE, DIPE, TAME, TBA, EDB, and EDC.

## **4. ANALYTICAL RESULTS**

The following sections summarize the laboratory analytical results for the soil, and groundwater samples collected on site. Copies of laboratory analytical reports are presented in Appendix C.

### **4.1. Soil Analytical Results**

Soil sample analytical results are presented in Table 1 and on Figure 3. Soil sample analytical results are compared to the RWQCB Shallow Soil Environmental Screening Levels (ESLs) for commercial land use where groundwater is a potential drinking water resource (ESLs Table A-2). No concentrations of BTEX, MTBE, ETBE, DIPE, TAME, TBA, EDB, or EDC were detected in the soil samples collected on site. Commercial ESLs for soil include 83 mg/kg for TPHd and TPHg, and 2,500 mg/kg for TPHmo.

#### **4.1.1. TPHd in Soil**

Concentrations of TPHd in soil which exceed the ESL were detected in soil samples from borings B-2 and B-3 located in the vicinity of the former 1,300-gallon UST, borings B-5 and B-7 located in the vicinity of the former 425-gallon UST, and boring B-8 located in the area of the former 650-gallon AST (Figure 3).

##### **Former 1,300-Gallon UST**

TPHd was detected at a concentration of 280 mg/kg at 6.0-6.5 feet bgs in boring B-2, located north of the former 1,300-gallon UST. TPHd was detected at concentrations of 340 mg/kg at 5.5-6.0 feet bgs and 110 mg/kg at 9.5-10.0 feet bgs in boring B-3, located west of the former 1,300-gallon UST. Non-detectable to low concentrations of TPHd, ranging from 1.1 to 26 mg/kg, were detected in remaining soil samples from borings B-2 through B-4.

##### **Former 425-Gallon UST**

TPHd was detected at concentrations of 160 mg/kg in boring B-5 at 4.5-5.0 feet bgs and 400 mg/kg in boring B-7 at 14.0-14.5 feet bgs. Non-detectable to low concentrations of TPHd, ranging from 1.7 to 38 mg/kg, were detected in remaining soil samples from borings B-5 through B-7 located in the vicinity of the former 425-gallon UST.

##### **Former 650-Gallon AST**

TPHd was detected in boring B-8 at a concentration of 4,800 mg/kg at 0.0-0.5 feet bgs and at 1.3 mg/kg at 2.0-2.5 feet bgs.

#### **4.1.2. TPHmo in Soil**

The surface soil sample collected from boring B-8 (former AST location) was the only result (15,000 mg/kg) reported above the TPHmo ESL (Figure 3). Non-detectable to low concentrations of TPHmo ranging from 1.4 to 110 mg/kg were detected in remaining soil samples collected on site.

#### **4.1.3. TPHg in Soil**

The soil sample collected at 5.5-6.0 feet bgs in boring B-3 (west of the former 1,300-gallon UST) was the only result (120 mg/kg) reported above the TPHg ESL (Figure 3). Non-detectable to low concentrations of TPHg ranging from 1.0 to 65 mg/kg were detected in remaining soil samples collected on site.

### **4.2. Groundwater Analytical Results**

Groundwater analytical results are presented in Table 2 and on Figure 4. Groundwater analytical results are compared to the RWQCB Groundwater ESLs for groundwater which is a potential drinking water resource (ESLs Table F-1a). The ESLs for TPHg, TPHd, and TPHmo in groundwater are 0.1 milligrams per liter (mg/L), respectively. No concentrations of BTEX, MTBE, ETBE, DIPE, TAME, TBA, EDB, or EDC were detected in the groundwater samples collected on site.

#### **4.2.1. TPHd in Groundwater**

Concentrations of TPHd in groundwater which exceed the ESL were detected in groundwater samples from the following borings: boring B-3 (0.21 mg/L), located adjacent to and west of the former 1,300-gallon UST; boring B-4 (0.53 mg/L), located adjacent to and south of the former 1,300-gallon UST; boring B-5 (0.57 mg/L), located adjacent to and north of the former 425-gallon UST; boring B-6 (2.3 mg/L), located adjacent to and west of the former 425-gallon UST; and boring B-7 (2.5 mg/L), located adjacent to and south of the former 425-gallon UST (Figure 4). TPHd was not detected above laboratory reporting limits in the groundwater sample from boring B-1, located approximately 25 feet east of the former 1,300-gallon UST, and was detected below the ESL at a concentration of 0.073 mg/L in the groundwater sample from boring B-2, located north of the former 1,300-gallon UST.

#### **4.2.2. TPHg in Groundwater**

Concentrations of TPHg in groundwater which exceed the ESL were detected in groundwater samples from boring B-6 (0.61 mg/L), located adjacent to and west of the

former 425-gallon UST, and boring B-7 (2.5 mg/L), located adjacent to and south of the former 425-gallon UST (Figure 4). TPHg was not detected above laboratory reporting limits in groundwater samples from borings B-1 through B-4, and was detected below the ESL at a concentration of 0.061 mg/L in the groundwater sample from boring B-5, located adjacent to and north of the former 425-gallon UST.

#### **4.2.3. TPHmo in Groundwater**

Concentrations of TPHmo in groundwater which exceed the ESL were detected in groundwater samples from the following borings: boring B-4 (0.43 mg/L), located adjacent to and south of the former 1,300-gallon UST; boring B-5 (0.35 mg/L), located adjacent to and north of the former 425-gallon UST; boring B-6 (0.54 mg/L), located adjacent to and west of the former 425-gallon UST; and boring B-7 (0.56 mg/L), located adjacent to an south of the former 425-gallon UST (Figure 4). TPHmo was not detected above laboratory reporting limits in the groundwater samples from borings B-1 and B-2, and was detected below the ESL at a concentration of 0.087 mg/L in the groundwater sample from boring B-3, located adjacent to and west of the former 1,300-gallon UST.

## **5. LABORATORY QUALITY ASSURANCE/QUALITY CONTROL (QA/QC)**

### **5.1. Surrogate Recoveries**

Surrogate recoveries were all within the limits established by the laboratories with the exception of one sample in which the surrogate recovery was biased high possibly due to matrix interference, and four samples in which the surrogate was diluted out due to necessary sample dilution.

### **5.2. Laboratory QA/QC Samples**

Laboratory QA/QC samples included method blanks, laboratory control samples (LCS), matrix spikes (MS), and matrix spike duplicates (MSD). The percentage recoveries and relative percent differences were all within the specific acceptance limits for these types of samples with the exception of one sample in which the relative percent difference (RPD) between the

MS and MSD results was outside the criteria, however the analytical batch was validated by the LCS, therefore the relevant QA/QC sample results are considered satisfactory and acceptable.

### **5.3. QA/QC Conclusions**

The laboratory analyses followed the approved method and included acceptable QA/QC procedures. Some matrix effects were noted, which are typical of environmental samples. No outstanding issues were identified during the course of the QA/QC review. Overall, the presented data appear to be reliable and useable for project decision making.

## **6. FINDINGS AND CONCLUSIONS**

Impacts in soil and groundwater from TPHd, TPHg, and TPHmo have been detected on site in the vicinity of the former USTs. Impacts in shallow soil from TPHd and TPHmo have been detected on site in the vicinity of the former AST. Concentrations of BTEX, MTBE, ETBE, DIPE, TAME, TBA, EDB, or EDC were not detected in the soil or groundwater samples collected on site. The following sections describe the findings and conclusions of the sampling activities performed in the areas of the two former USTs and the former AST on site.

### **6.1. Former 1,300-Gallon UST**

No concentrations of TPH compounds were reported in the groundwater sample collected from boring B-1, and no physical signs of TPH impacted soil were observed during sampling activities. Therefore, it is unlikely that the impacts detected in the northern portion of the site are associated with the up-gradient and off-site UST located at the north end of the eastern adjacent property. Additionally, because TPHg in groundwater and TPHmo in soil were not detected above reporting limits and/or ESLs in any of the samples collected, they are not considered constituents of concern relating to the former 1,300 gallon UST.

TPHd in groundwater has been delineated toward the east and north, based on non-detectable concentrations or concentrations below ESLs in samples from borings B-1 and

B-2. However, due to TPHd groundwater concentrations exceeding ESLs in borings B-3 and B-4, the extent of TPHd impacted groundwater has not been delineated toward the west and south. The lateral extent of impacts from TPHmo in groundwater has been delineated towards the north, east and west, however not toward the south due to impacts above ESLs in boring B-4.

TPH impacts in soil has been delineated toward the south, where non-detectable to low concentrations were reported in boring B-4. Lateral concentrations of TPH in soil have not been delineated toward the north (TPHd only), and west (TPHd and TPHg) where concentrations exceeded ESLs in borings B-2 and B-3. The vertical extent of TPHd and TPHg impacts in soil has been delineated in borings B-2 and B-3. Soil is not impacted with TPHd deeper than 9.0 feet bgs in B-2, and soil is not impacted with TPHg below 9.0 feet, or TPHd below 12.0 feet in B-3.

Based on the removal of the contamination source, including the former 1,300-gallon UST and associated over-excavated soils, further impacts to soil and groundwater are unlikely. Additionally, due to natural attenuation likely occurring in the remaining TPH impacted soil and groundwater (which moderately exceed ESLs toward the north, south and west) it is unlikely that impacted groundwater will migrate a significant distance from the area of the former UST. Groundwater quality in the area of the former UST will be restored over time through the natural process of biodegradation. Additionally, the shallow sanitary sewer trench located north of the former UST does not appear to be a conduit for groundwater migration because of the low to non-detectable TPH groundwater constituents reported in borings B-2 and B-3.

## **6.2. Former 425-Gallon UST**

TPHg and TPHmo were not detected at concentrations exceeding ESLs in the soil samples collected in the vicinity of the former 425-gallon UST. Concentrations of TPHd in soil which exceed the ESL were detected in boring B-5, located north of the former UST, and in boring B-7, located south of the former UST. In boring B-5, the impacts from TPHd in soil

were detected at approximately 4.5 feet bgs and the vertical extent of impacts was delineated at above 6 feet bgs. In boring B-7, the impacts from TPHd in soil were detected at approximately 14 feet bgs and the vertical extent of impacts was delineated at above 18 feet bgs. The western extent of TPHd impacts in soil associated with the former UST has been delineated by the non-detectable to low concentrations in boring B-6, however TPHd impacted soil has not been delineated toward the north or south.

Concentrations of TPHd and TPHmo in groundwater which exceed the ESLs were detected in all of the groundwater samples collected in the vicinity of the former UST, and concentrations of TPHg in groundwater which exceed the ESL were detected in boring B-6, located west of the former UST, and in boring B-7, located south of the former UST. The highest concentrations of TPH compounds in groundwater were detected in boring B-7. The northern extent of impacts from TPHg in groundwater associated with the former UST has been delineated by boring B-5. The lateral extent of impacts from TPHd and TPHmo in groundwater has not been delineated to the north of the former UST, and the lateral extent of impacts from petroleum compounds in groundwater has not been delineated to the west or south of the former UST.

Based on the removal of the contamination source, including the former 425-gallon UST and associated over-excavated soils, further impacts to soil and groundwater are unlikely. Additionally, due to natural attenuation likely occurring in the remaining TPH impacted soil and groundwater (which moderately exceed ESLs toward the north, south and west) it is unlikely that impacted groundwater will migrate a significant distance from the area of the former UST. Groundwater quality in the area of the former UST will be restored over time through the natural process of biodegradation.

### **6.3. Former 650-Gallon AST**

TPHg was not detected in the surface soil sample collected from boring B-8, located adjacent to the southern edge of the asphalt paved area where the former AST was located. Concentrations of TPHd and TPHmo which exceed the ESLs were detected in the surface

soil sample. The vertical extent of impacts was defined at 2 feet bgs by the very low concentration of TPHd and non-detectable concentration of TPHmo. Based on the field observation of no physical signs of impacts in the soil from boring B-8 and the very low to non-detectable concentrations of TPHd and TPHmo at 2 feet bgs, it is likely that the impacts detected were caused by the presence of asphalt fragments in the soil sample.

## **7. RECOMMENDATIONS**

Based on the findings of the recent soil and groundwater investigation activities, Ninyo & Moore recommends the following:

- Additional sampling in the area of the former USTs should not be performed based on the relatively minor impacts from petroleum compounds detected in the soil and groundwater samples collected in the vicinity of the former USTs.
- Additional sampling in the area of the former AST should not be performed based on the observation of no physical signs of impacts in the soil from boring B-8 and the very low to non-detectable concentrations of TPHd and TPHmo at 2 feet bgs which suggests that the impacts detected were caused by the presence of asphalt fragments in the soil sample.
- A low-risk case closure request should be prepared for the site.

## **8. 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.

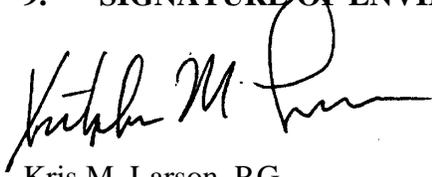
The environmental interpretations and opinions contained in this report are based on the results of laboratory tests and analyses intended to detect the presence and concentration of specific chemical or physical constituents in samples collected from the subject site. The testing and analyses have been 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 subject site or nearby sites. 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 Willbett Company. Any use or reuse of the findings, conclusions, and/or recommendations of this report by parties other than those noted is undertaken at said parties' sole risk.

**9. SIGNATURE OF ENVIRONMENTAL PROFESSIONAL**



Kris M. Larson, P.G.  
Senior Environmental Geologist

**10. QUALIFICATION OF ENVIRONMENTAL PROFESSIONAL**

Mr. Larson states that the Soil and Groundwater Investigation Report was prepared under his direct supervision, that he has reviewed and approved the Soil and Groundwater Investigation Report, and that the methods and procedures employed in the development of the Soil and Groundwater Investigation Report conform to the minimum industry standards. Mr. Larson certifies that Ninyo & Moore project personnel and subcontractors are properly licensed and/or certified to conduct the work described herein.

## 11. REFERENCES

Gribi Associates, 2008, Report of Underground Storage Tank Removal Activities, 925 Stanford Avenue, Oakland, California, dated June 4.

Ninyo & Moore, 2009, Preferential Pathways Survey and Site Assessment Work Plan, 925 Stanford Avenue, Oakland, California, dated July 28.

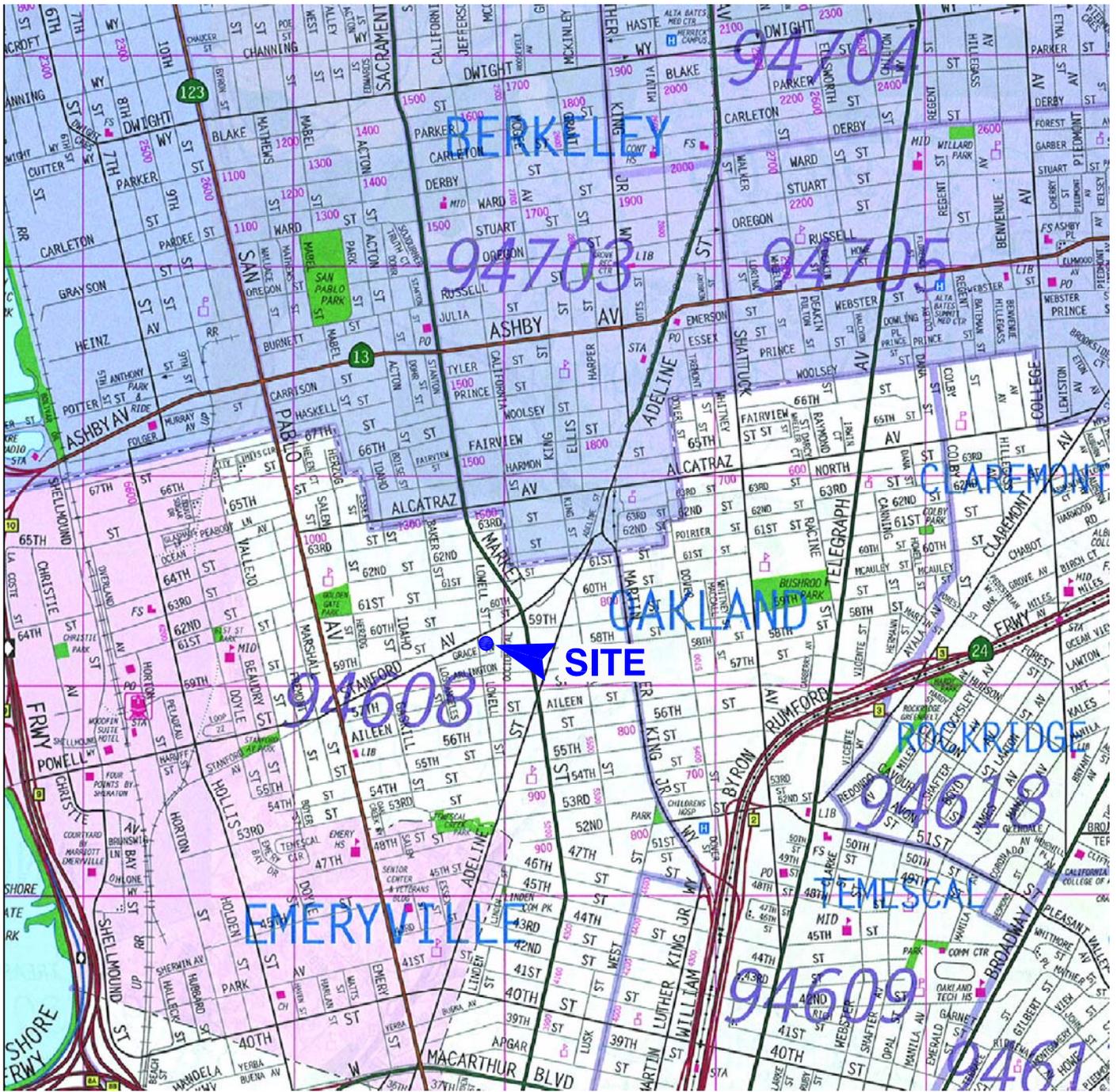
**TABLE 1 - SOIL SAMPLE ANALYTICAL RESULTS FOR TPH AND VOCs**

Sample ID	Date Sample Collected	Sample Depth (feet bgs)	TPH Analytical Results (mg/kg)			VOCs Analytical Results (µg/kg)											
			TPH diesel	TPH gasoline	TPH motor oil	1,2-Dibromoethane	1,2-Dichloroethane	Benzene	Di-isopropyl ether	Ethyl tert-butyl ether	Ethyl-benzene	mp-xylenes	Methyl tert-butyl ether	o-Xylenes	Tert-amyl methyl ether	Tert-Butanol	Toluene
B-2-6.0-6.5	5/12/2010	6.0-6.5	<b>280</b>	5	75	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<100	ND<5.0
B-2-9.5-10.0	5/12/2010	9.5-10.0	26	ND<1.0	10	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<100	ND<5.0
B-2-11.5-12.0	5/12/2010	11.5-12.0	9	ND<1.0	6	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<100	ND<5.0
B-3-5.5-6.0	5/12/2010	5.5-6.0	<b>340</b>	<b>120</b>	88	ND<250	ND<250	ND<250	ND<250	ND<250	ND<250	ND<500	ND<250	ND<250	ND<250	ND<5,000	ND<250
B-3-9.5-10.0	5/12/2010	9.5-10.0	<b>110</b>	ND<1.0	110	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<100	ND<5.0
B-3-12.0-12.5	5/12/2010	12.0-12.5	3.8	ND<1.0	3.1	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<100	ND<5.0
B-4-6.0-6.5	5/12/2010	6.0-6.5	1.1	1.2	1.4	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<100	ND<5.0
B-4-9.5-10.0	5/12/2010	9.5-10.0	ND<1.0	ND<1.0	ND<1.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<100	ND<5.0
B-4-11.0-11.5	5/12/2010	11.0-11.5	14	ND	9.7	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<100	ND<5.0
B-5-4.5-5.0	5/12/2010	4.5-5.0	<b>160</b>	1.3	140	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<100	ND<5.0
B-5-6.0-6.5	5/12/2010	6.0-6.5	1.7	ND<1.0	ND<1.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<100	ND<5.0
B-5-8.0-8.5	5/12/2010	8.0-8.5	ND<1.0	ND<1.0	ND<1.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<100	ND<5.0
B-6-7.0-7.5	5/12/2010	7.0-7.5	7.1	ND<1.0	3.9	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<100	ND<5.0
B-6-15.0-15.5	5/12/2010	15.0-15.5	38	2.4	12	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<100	ND<5.0
B-6-18.0-18.5	5/12/2010	18.0-18.5	ND<1.0	ND<1.0	ND<1.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<100	ND<5.0
B-7-7.5-8.0	5/12/2010	7.5-8.0	15	1.0	5.8	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<100	ND<5.0
B-7-14.0-14.5	5/12/2010	14.0-14.5	<b>400</b>	65	90	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<100	ND<5.0
B-7-19.0-19.5	5/12/2010	19.0-19.5	ND<1.0	ND<1.0	ND<1.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<100	ND<5.0
B-8-0.0-0.5	5/12/2010	0.0-0.5	<b>4,800</b>	ND<1.0	<b>15,000</b>	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<100	ND<5.0
B-8-2.0-2.5	5/12/2010	2.0-2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>ESLs</b>			83	83	2,500	0.33	4.5	44	NE	NE	3,300	2,300*	23	2,300*	NE	75	2,900

**Notes:**  
 TPH – Total Petroleum Hydrocarbons by EPA Method 8015B  
 VOCs = volatile organic compounds analyzed by EPA Method 8260B  
 ESLs - Shallow Soil Environmental Screening Levels for commercial land use where groundwater is a potential drinking water resource  
**Bold** indicates concentration in excess of ESL  
 mg/kg – milligrams per kilogram  
 µg/kg – micrograms per kilogram  
 \* - indicates the ESL for total xylenes was used as there are no specific ESLs for o-xylenes or mp-xylenes  
 NE - indicates that an ESL does not exist  
 bgs – below ground surface  
 NA - not analyzed  
 ND< indicates concentration below laboratory detection limits

**TABLE 2 - GROUNDWATER SAMPLE ANALYTICAL RESULTS FOR TPH AND VOCs**

Sample ID	Sample Date	TPH Analytical Results (mg/L)			VOCs Analytical Results (µg/L)												
		TPH-d	TPH-g	TPH-mo	1,2-Dibromoethane	1,2-Dichloroethane	Benzene	Di-isopropyl ether	Ethyl tert-butyl ether	Ethyl-benzene	mp-xylenes	Methyl tert-butyl ether	o-Xylenes	Tert-amyl methyl ether	Tert-Butanol	Toluene	
B-1-GW	5/12/2010	ND<0.053	ND<0.050	ND<0.053	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5
B-2-GW	5/12/2010	0.072	ND<0.050	ND<0.053	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5
B-3-GW	5/12/2010	<b>0.21</b>	ND<0.050	0.087	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5
B-4-GW	5/12/2010	<b>0.53</b>	ND<0.050	<b>0.43</b>	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5
B-5-GW	5/12/2010	<b>0.57</b>	0.061	<b>0.35</b>	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5
B-6-GW	5/13/2010	<b>2.3</b>	<b>0.61</b>	<b>0.54</b>	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<20	ND<1.0
B-7-GW	5/13/2010	<b>2.5</b>	<b>2.5</b>	<b>0.56</b>	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0	ND<5.0	ND<100	ND<5.0	
<b>ESLs</b>		0.1	0.1	0.1	0.05	0.5	1	NE	NE	30	20*	5	20*	NE	12	40	
<p><b>Notes:</b>                      TPH = total petroleum hydrocarbons analyzed by EPA Method 8015B                      VOCs = volatile organic compounds analyzed by EPA Method 8260B                      mg/L = milligrams per liter                      ug/L = micrograms per liter                      * - indicates the ESL for total xylenes was used as there are no specific ESLs for o-xylenes or mp-xylenes                      ESLs - Groundwater Environmental Screening Levels (groundwater is a potential drinking water source)                      NE - indicates that an ESL does not exist  <b>Bold</b> indicates concentration in excess of ESL                      ND&lt; indicates concentration below laboratory detection limits</p>																	



REFERENCE: METRO AREAS OF ALAMEDA, CONTRA COSTA, MARIN, SAN FRANCISCO, SAN MATEO, AND SANTA CLARA COUNTIES, THOMAS GUIDE, 2008.

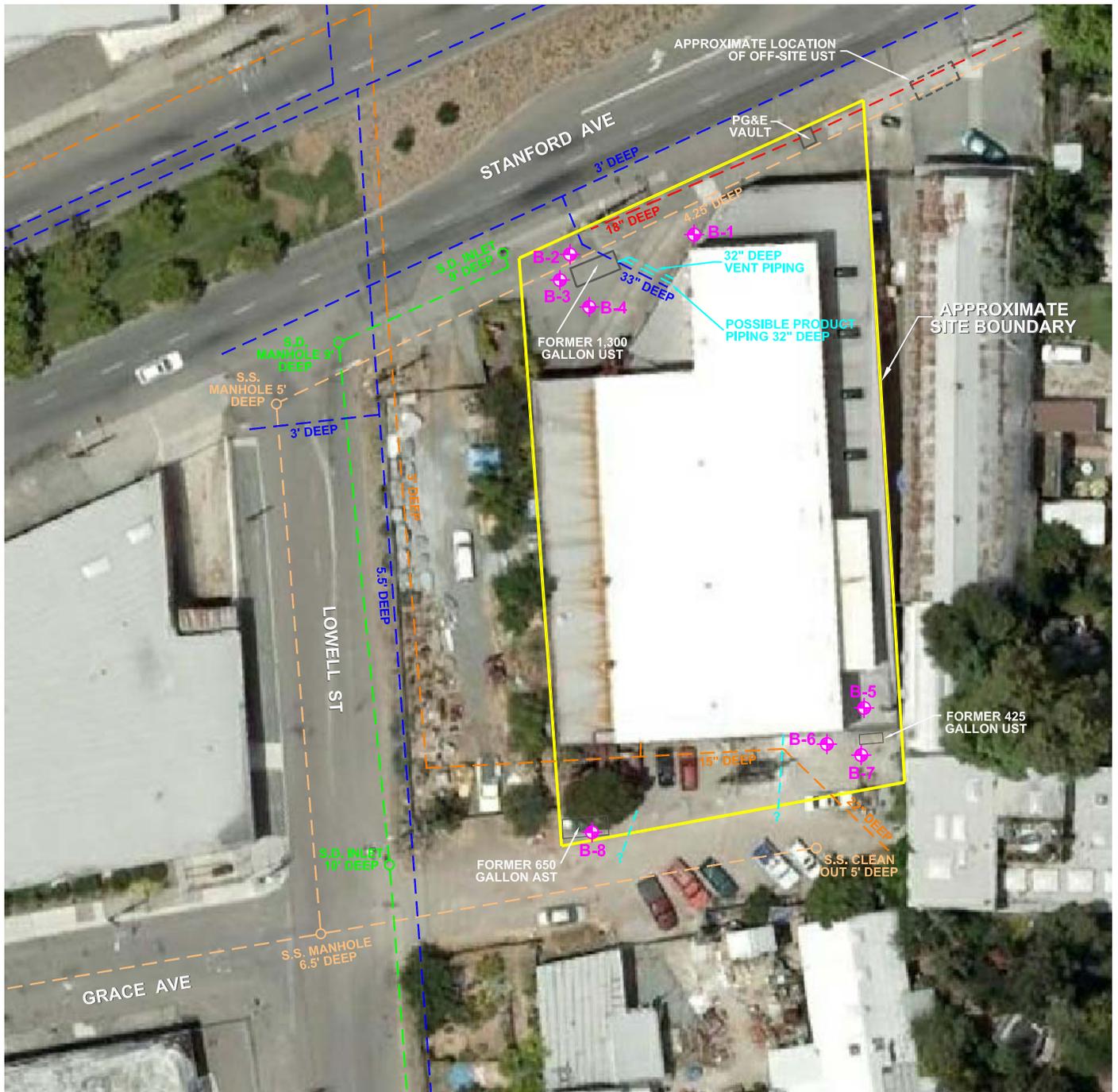


APPROXIMATE SCALE IN FEET



NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

		<b>SITE LOCATION MAP</b>		FIGURE  <b>1</b>
		PROJECT NUMBER 401559002	DATE 6/10	



REFERENCE: GOOGLE EARTH, 2010.



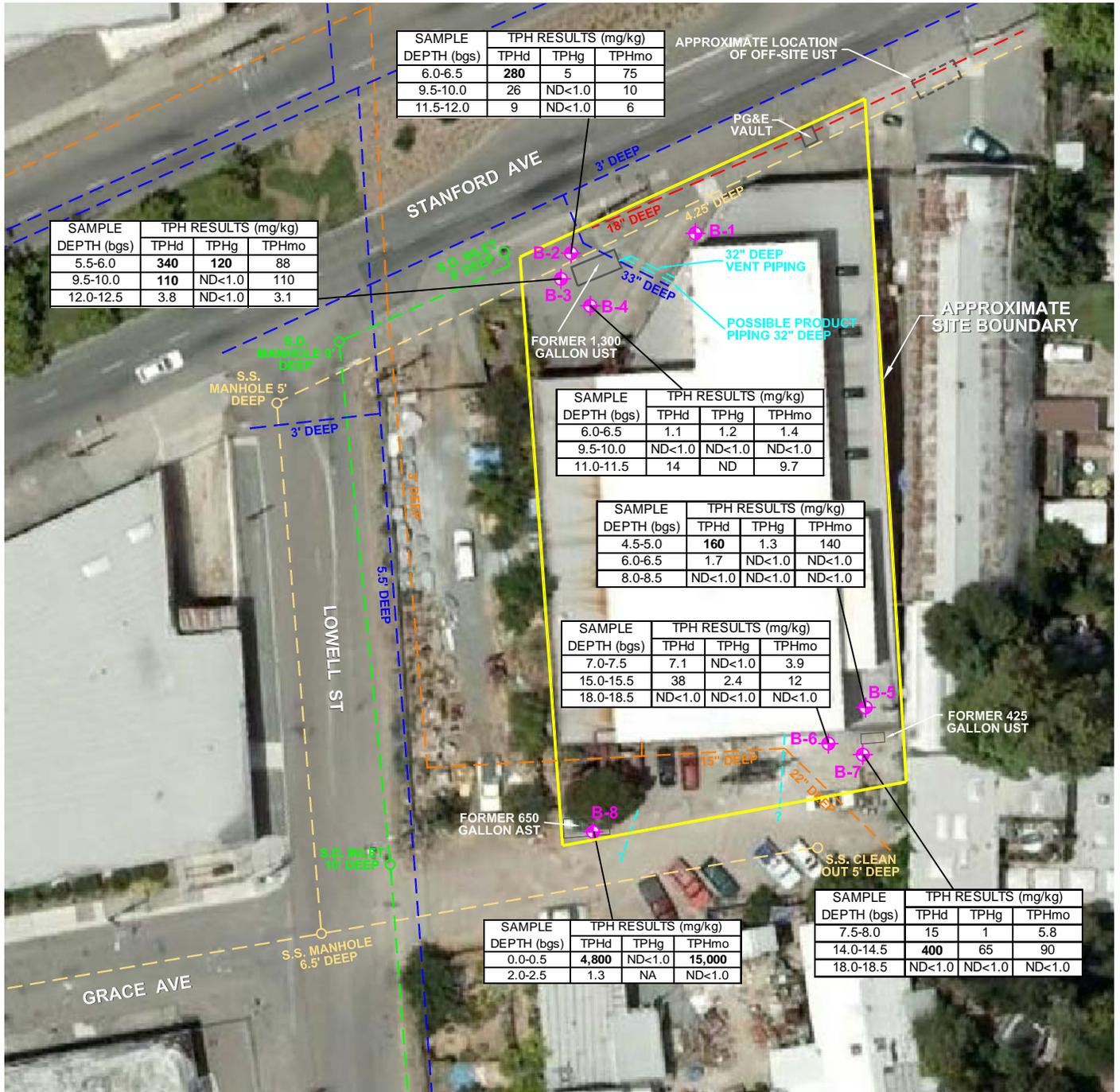
APPROXIMATE SCALE IN FEET



NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

LEGEND			
<span style="color: red;">---</span>	ELECTRIC LINE	<span style="color: green;">---</span>	STORM DRAIN
<span style="color: orange;">---</span>	GAS LINE	<span style="color: cyan;">---</span>	OTHER PIPELINES
<span style="color: blue;">---</span>	WATER LINE	<span style="color: pink;">◆</span>	APPROXIMATE LOCATION OF BORING
<span style="color: brown;">---</span>	SANITARY SEWER		

<b>Ninyo &amp; Moore</b>		<b>BORING LOCATION MAP</b>	FIGURE
PROJECT NUMBER	DATE	SOIL AND GROUNDWATER INVESTIGATION REPORT 925 STANFORD AVENUE OAKLAND, CALIFORNIA	<b>2</b>
401559002	6/10		



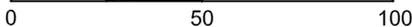
REFERENCE: GOOGLE EARTH, 2010.

**LEGEND**

— — — —	ELECTRIC LINE	B-8	APPROXIMATE LOCATION OF BORING	<b>BOLD</b>	INDICATES CONCENTRATION EXCEEDING ESL
- - - - -	GAS LINE	bgs	FEET BELOW GROUND SURFACE	TPHd	TOTAL PETROLEUM HYDROCARBONS AS DIESEL
- - - - -	WATER LINE	ND<	INDICATES CONCENTRATION BELOW LABORATORY DETECTION LIMITS	TPHg	TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
- - - - -	SANITARY SEWER	NA	NOT ANALYZED	TPHmo	TOTAL PETROLEUM HYDROCARBONS AS MOTOR OIL
- - - - -	STORM DRAIN	mg/kg	MILLIGRAMS PER KILOGRAM		
- - - - -	OTHER PIPELINES	ESLs = 83 mg/kg FOR TPHd & TPHg AND 2.500 mg/kg FOR TPHmo			



APPROXIMATE SCALE IN FEET



NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

		<b>SOIL SAMPLE ANALYTICAL RESULT FOR TPHg, TPHd, AND TPHmo</b>		FIGURE  <b>3</b>
		SOIL AND GROUNDWATER INVESTIGATION REPORT 925 STANFORD AVENUE OAKLAND, CALIFORNIA		
PROJECT NUMBER	DATE			
401559002	6/10			



**APPENDIX A**  
**SUPPORTING DOCUMENTS**



ENVIRONMENTAL HEALTH SERVICES  
ENVIRONMENTAL PROTECTION  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577  
(510) 567-6700  
FAX (510) 337-9335

April 16, 2010

Ms. Susan Rosenberg (sent via e-mail: Rosenberg.4@comcast.net)  
Willbett Company  
109 Hartford Road  
Danville, CA 94526

Subject: WORK PLAN APPROVAL Fuel Leak Case No. RO00002983 and Geotracker Global ID T10000000420, Willbett Company, 925 Stanford Avenue, Oakland, CA 94608

Dear Ms. Rosenberg:

Thank you for the recently submitted document entitled, *Preferential Pathway Survey and Site Assessment Work Plan*, dated July 20, 2009, which was prepared by Ninyo and Moore Consultants for the subject site. Alameda County Environmental Health (ACEH) staff has reviewed the case file including the above-mentioned report/work plan for the above-referenced site. The work plan proposes advancing seven borings to determine the extent of contamination in the areas of the two underground storage tanks (USTs).

The proposed scope of work may be implemented provided that the modifications requested in the technical comments below are addressed and incorporated during the field implementation. Submittal of a revised Work Plan is not required unless an alternate scope of work outside that described in the Work Plan and technical comments below is proposed.

We request that you address the following technical comments, perform the proposed work, and send us the technical reports requested below.

#### **TECHNICAL COMMENTS**

1. **Soil Sampling and Soil and Groundwater Analysis**– The proposal to transfer soil samples from the acetate liner to glass jars for analysis of volatile organic compounds is not acceptable. Please use the original acetate liners to collect your samples to minimize volatilization. The standard procedure is to cut the acetate liners, place Teflon tape over each end, place end caps over the Teflon tape before labeling, placing into plastic bags and placing the samples on ice. In addition to sampling at the proposed areas of impact, please submit samples at lithologic changes and at a minimum of every five-feet. Also, please analyze for BTEX, methyl tertiary butyl ether (MTBE), ethyl tertiary butyl ether (ETBE), diisopropyl ether (DIPE), tertiary amyl methyl ether (TAME), tert butyl alcohol (TBA), ethylene dibromide (EDB) and ethylene dichloride (EDC) by EPA Method 8260 in soil and groundwater.

Ms. Rosenberg  
RO0002983  
April 16, 2010, Page 2

2. **Preferential Pathway Study** – The preferential pathway survey indicates a sanitary sewer line is located almost immediately on the north side of the former 1,300 gallon UST and could intercept groundwater from this site. The depth of the line is indicated as 4.25 to 5 feet deep along that section. Borings have been proposed to the north of the sewer line (B-2) and to the west of the UST (B-3). Please relocate B-3 closer to the former UST to determine if contamination may be intercepted by the trench backfill of the sanitary sewer line.
3. **Above-ground Tank** – The initial UST removal report also identified that an above-ground tank was identified and removed from the site. If you have additional samples that were collected during the AST removal please submit them with the report requested below. However, if no results are available, additional sampling should be performed during this investigation to determine if any impact exists in the AST area.

### **NOTIFICATION OF FIELDWORK ACTIVITIES**

Please schedule and complete the fieldwork activities by the date specified below and provide ACEH with at least three (3) business days notification prior to conducting the fieldwork.

### **TECHNICAL REPORT REQUEST**

Please submit technical reports to ACEH (Attention: Barbara Jakub), according to the following schedule:

- **July 1, 2010** – Soil and Water Investigation Report

Thank you for your cooperation. Should you have any questions or concerns regarding this correspondence or your case, please call me at (510) 639-1287 or send me an electronic mail message at [barbara.jakub@acgov.org](mailto:barbara.jakub@acgov.org).

Sincerely,

Barbara J. Jakub, P.G.  
Hazardous Materials Specialist

Enclosures: Responsible Party(ies) Legal Requirements/Obligations  
ACEH Electronic Report Upload (ftp) Instructions

cc: Cem Atabek, Ninyo and Moore, 1956 Webster St., Oakland, CA 94612 (Sent via email to [catabek@ninyoandmoore.com](mailto:catabek@ninyoandmoore.com))  
Leroy Griffin, Oakland Fire Department, 250 Frank H. Ogawa Plaza, Ste. 3341, Oakland, CA 94612-2032 (Sent via E-mail to: [lgriffin@oaklandnet.com](mailto:lgriffin@oaklandnet.com))  
Donna Drogos, ACEH (Sent via E-mail to: [donna.drogos@acgov.org](mailto:donna.drogos@acgov.org))  
Barbara Jakub, ACEH  
GeoTracker, file

## Attachment 1

### Responsible Party(ies) Legal Requirements/Obligations

#### REPORT REQUESTS

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

#### ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of reports in electronic form. The electronic copy replaces paper copies and is expected to be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program FTP site are provided on the attached "Electronic Report Upload Instructions." Submission of reports to the Alameda County FTP site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) GeoTracker website. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for all groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitoring wells, and other data to the GeoTracker database over the Internet. Beginning July 1, 2005, these same reporting requirements were added to Spills, Leaks, Investigations, and Cleanup (SLIC) sites. Beginning July 1, 2005, electronic submittal of a complete copy of all reports for all sites is required in GeoTracker (in PDF format). Please visit the SWRCB website for more information on these requirements ([http://www.swrcb.ca.gov/ust/electronic\\_submittal/report\\_rqmts.shtml](http://www.swrcb.ca.gov/ust/electronic_submittal/report_rqmts.shtml)).

#### PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

#### PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

#### UNDERGROUND STORAGE TANK CLEANUP FUND

Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

#### AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to \$10,000 per day for each day of violation.

<b>Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC)</b>	<b>ISSUE DATE:</b> July 5, 2005
	<b>REVISION DATE:</b> March 27, 2009
	<b>PREVIOUS REVISIONS:</b> December 16, 2005, October 31, 2005
<b>SECTION:</b> Miscellaneous Administrative Topics & Procedures	<b>SUBJECT:</b> Electronic Report Upload (ftp) Instructions

The Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities.

#### REQUIREMENTS

- Entire report including cover letter must be submitted to the ftp site as a **single portable document format (PDF) with no password protection**. (Please do not submit reports as attachments to electronic mail.)
- It is **preferable** that reports be converted to PDF format from their original format, (e.g., Microsoft Word) rather than scanned.
- Signature pages and perjury statements **must** be included and have either original or electronic signature.
- **Do not password protect the document**. Once indexed and inserted into the correct electronic case file, the document will be secured in compliance with the County's current security standards and a password. **Documents with password protection will not be accepted.**
- Each page in the PDF document should be rotated in the direction that will make it easiest to read on a computer monitor.
- Reports must be named and saved using the following naming convention:  
RO#\_Report Name\_Year-Month-Date (e.g., RO#5555\_WorkPlan\_2005-06-14)

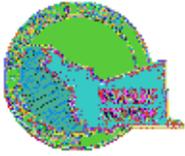
#### Additional Recommendations

- A separate copy of the tables in the document should be submitted by e-mail to your Caseworker in **Excel** format. These are for use by assigned Caseworker only.

#### Submission Instructions

- 1) Obtain User Name and Password:
  - a) Contact the Alameda County Environmental Health Department to obtain a User Name and Password to upload files to the ftp site.
    - i) Send an e-mail to [dehloptoxic@acgov.org](mailto:dehloptoxic@acgov.org)  
Or
    - ii) Send a fax on company letterhead to (510) 337-9335, to the attention of My Le Huynh.
  - b) In the subject line of your request, be sure to include **"ftp PASSWORD REQUEST"** and in the body of your request, include the **Contact Information, Site Addresses**, and the **Case Numbers (RO# available in Geotracker) you will be posting for**.
- 2) Upload Files to the ftp Site
  - a) Using Internet Explorer (IE4+), go to <ftp://alcoftp1.acgov.org>
    - (i) Note: Netscape and Firefox browsers will not open the FTP site.
  - b) Click on File, then on Login As.
  - c) Enter your User Name and Password. (Note: Both are Case Sensitive.)
  - d) Open "My Computer" on your computer and navigate to the file(s) you wish to upload to the ftp site.
  - e) With both "My Computer" and the ftp site open in separate windows, drag and drop the file(s) from "My Computer" to the ftp window.
- 3) Send E-mail Notifications to the Environmental Cleanup Oversight Programs
  - a) Send email to [dehloptoxic@acgov.org](mailto:dehloptoxic@acgov.org) notify us that you have placed a report on our ftp site.
  - b) Copy your Caseworker on the e-mail. Your Caseworker's e-mail address is the entire first name then a period and entire last name @acgov.org. (e.g., firstname.lastname@acgov.org)
  - c) The subject line of the e-mail must start with the RO# followed by **Report Upload**. (e.g., Subject: RO1234 Report Upload) If site is a new case without an RO# use the street address instead.
  - d) If your document meets the above requirements and you follow the submission instructions, you will receive a notification by email indicating that your document was successfully uploaded to the ftp site.

# Alameda County Public Works Agency - Water Resources Well Permit



399 Elmhurst Street  
Hayward, CA 94544-1395  
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 05/04/2010 By jamesy

Permit Numbers: W2010-0297  
Permits Valid from 05/11/2010 to 05/12/2010

Application Id: 1272558576296  
Site Location: 925 Stanford Avenue  
Project Start Date: 05/11/2010  
Assigned Inspector: Contact Ron Smalley at (510) 670-5407 or ronaldws@acpwa.org

City of Project Site:Oakland

Completion Date:05/12/2010

Applicant: Ninyo & Moore - Cem Atabek  
1956 Webster Street, Oakland, CA 94612

Phone: 510-633-5640

Property Owner: Susan Rosenberg  
109 Hartford Road, Danville, CA 94562

Phone: --

Client: \*\* same as Property Owner \*\*

Receipt Number: WR2010-0142 Total Due: \$265.00  
Payer Name : Ninyo & Moore Total Amount Paid: \$265.00  
Paid By: CHECK PAID IN FULL

## Works Requesting Permits:

Borehole(s) for Geo Probes-Sampling 24 to 72 hours only - 8 Boreholes  
Driller: Vapor-Tech Services - Lic #: 916085 - Method: DP

Work Total: \$265.00

## Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2010-0297	05/04/2010	08/09/2010	8	2.50 in.	15.00 ft

## Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site. The containers shall be clearly labeled to the ownership of the container and labeled hazardous or non-hazardous.
2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.
3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.
4. Applicant shall contact Ron Smalley for an inspection time at 510-670-5407 or email to ronaldws@acpwa.org at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.
5. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or

## **Alameda County Public Works Agency - Water Resources Well Permit**

waterways or be allowed to move off the property where work is being completed.

6. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of \$500.00.

7. Prior to any drilling activities onto any public right-of-ways, it shall be the applicants responsibilities to contact and coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that City or to the County and follow all City or County Ordinances. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County a Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

8. Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.

---

**NON-HAZARDOUS WASTE MANIFEST**

1. Generator ID Number

2. Page 1 of 1

3. Emergency Response Phone  
909 731 2038

4. Waste Tracking Number  
M16401711

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

WILLBETT COMPANY  
925 STANFORD AVE  
OAKLAND, CA 94608

Generator's Phone: 510 772 7118

6. Transporter 1 Company Name

U.S. EPA ID Number

ENVIRONMENTAL LOGISTICS, INC

CA000172178

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

FILTER RECYCLING SERVICES, INC  
180 WEST MONTE AVENUE  
RIALTO, CA 92316 USA

CA1982444481

Facility's Phone: 800-698-4377

9. Waste Shipping Name and Description

10. Containers

11. Total Quantity

12. Unit Wt./Vol.

No.

Type

1. NON HAZARDOUS WASTE LIQUID (WATER)

1

DM

50

g

2. NON HAZARDOUS WASTE SOLID (SOIL)

1

DM

250

P

3.

4.

13. Special Handling Instructions and Additional Information

9B1) WATER # 10052606 N/S

9B2) SOIL # 10052607 1/S

WEAR APPROPRIATE PPE

HW# 64087 N

BILL TO: NINYO & MOORE

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offor's Printed/Typed Name

Signature

Month Day Year

15. International Shipments

Import to U.S.

Export from U.S.

Port of entry/exit:

Transporter Signature (for exports only):

Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Signature

Month Day Year

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

**APPENDIX B**  
**BORING LOGS**

DEPTH (feet)	SAMPLES		BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DATE DRILLED <u>5/12/2010</u> BORING NO. <u>B-1</u>	
	Bulk	Driven							GROUND ELEVATION <u>60' ± MSL</u>	SHEET <u>1</u> OF <u>1</u>
									METHOD OF DRILLING <u>HAND AUGER/DIRECT PUSH</u>	
									DRIVE WEIGHT _____ DROP _____	
									SAMPLED BY <u>CRA</u> LOGGED BY <u>CRA</u> REVIEWED BY <u>KML</u>	
									DESCRIPTION/INTERPRETATION	
0									<u>CONCRETE</u> : Approximately 6 inches thick.	
						0		CL	<u>FILL</u> : Dark brown, moist, silty sandy CLAY with gravel.	
						0				
						0				
						0		CL	<u>ALLUVIUM</u> : Brown, moist, stiff, sandy CLAY.	
5						0			Brown, moist, sandy gravelly CLAY.	
						0				
						0				
						0				
						0				
						0				
						0				
						0				
						0				
						0				
						0				
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						0				
						0				
						0				
						0				
						0				
						0				
						0				
						0				
						0				
						0				
20									Final depth = 17 feet bgs.  Groundwater encounter at 12.75 feet bgs.  Boring tremie grouted on 5/12/2010.	



BORING LOG		
PREFERENTIAL PATHWAY SURVEY & SITE ASSESSMENT WORK PLAN 925 STANFORD AVENUE - OAKLAND, CALIFORNIA		
PROJECT NO. 401559002	DATE 6/10	FIGURE

DEPTH (feet)	SAMPLES		BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DATE DRILLED <u>5/12/2010</u> BORING NO. <u>B-2</u>		
	Bulk	Driven							GROUND ELEVATION <u>60' ± MSL</u>	SHEET <u>1</u> OF <u>1</u>	METHOD OF DRILLING <u>HAND AUGER/DIRECT PUSH</u>
									DRIVE WEIGHT _____	DROP _____	
									SAMPLED BY <u>CRA</u>	LOGGED BY <u>CRA</u>	REVIEWED BY <u>KML</u>
									DESCRIPTION/INTERPRETATION		
0						0		SC	<u>ASPHALT</u> : Approximately 3 inches thick.		
						0			<u>FILL</u> : Brown, moist, gravelly clayey SAND.		
						0		CL	<u>CONCRETE</u> : Approximately 3 inches thick.		
						0			<u>FILL</u> : Dark brown, moist, silty sandy CLAY with gravel.		
						0			Brown, moist, stiff, sandy CLAY with gravel.		
						0					
						0					
5						6.6			Gray staining.		
						30.7					
						1.6		CL	<u>ALLUVIUM</u> : Gray, moist, stiff, silty sandy CLAY.		
						1.8					
						8.9			Brown.		
10						0.5					
						0			Wet.		
						0					
						0					
15						0		SC	Brown, wet, clayey SAND.		
						0			Brown, wet, clayey SAND with gravel.		
						0		CL	Brown, moist, very stiff, sandy CLAY.		
						0			Final depth = 18 feet bgs. Groundwater encountered at 6.81 feet bgs. Boring tremie grouted on 5/12/2010.		
20											



**BORING LOG**

PREFERENTIAL PATHWAY SURVEY & SITE ASSESSMENT WORK PLAN  
925 STANFORD AVENUE - OAKLAND, CALIFORNIA

PROJECT NO.  
401559002

DATE  
6/10

FIGURE

DEPTH (feet)	SAMPLES		BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DATE DRILLED <u>5/12/2010</u> BORING NO. <u>B-3</u>		
	Bulk	Driven							GROUND ELEVATION <u>60' ± MSL</u> SHEET <u>1</u> OF <u>1</u>		
									METHOD OF DRILLING <u>HAND AUGER/DIRECT PUSH</u>		
									DRIVE WEIGHT _____ DROP _____		
									SAMPLED BY <u>CRA</u> LOGGED BY <u>CRA</u> REVIEWED BY <u>KML</u>		
									DESCRIPTION/INTERPRETATION		
0								SC	<u>ASPHALT</u> : Approximately 3 inches thick.		
						0		CL	<u>FILL</u> : Brown, moist, gravelly clayey SAND. Gray/black, moist, silty sandy CLAY with gravel.		
						0			Gray.		
						0					
						36.2		SC	Gray stained, moist, gravelly clayey SAND.		
5						46.5					
						112		CL	Gray stained, moist, sandy gravelly CLAY.		
						100					
						23					
						13.5					
10						1.7		SC	<u>ALLUVIUM</u> : Brown, moist, clayey SAND with some gravel.		
						0.7			Wet.		
						0.6		CL	Brown, wet, sandy CLAY.		
						0.6					
						0.4					
15									Final depth = 15 feet bgs.		
									Groundwater encountered at 10.2 feet bgs.		
									Boring tremie grouted on 5/12/2010.		
20											



**BORING LOG**

PREFERENTIAL PATHWAY SURVEY & SITE ASSESSMENT WORK PLAN  
925 STANFORD AVENUE - OAKLAND, CALIFORNIA

PROJECT NO.  
401559002

DATE  
6/10

FIGURE



DEPTH (feet)	SAMPLES		BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION			
	Bulk	Driven							DATE DRILLED	BORING NO.	GROUND ELEVATION	SHEET
									DATE DRILLED	5/12/2010	BORING NO.	B-5
									GROUND ELEVATION	60' ± MSL	SHEET	1 OF 1
									METHOD OF DRILLING	HAND AUGER/DIRECT PUSH		
									DRIVE WEIGHT		DROP	
									SAMPLED BY	CRA	LOGGED BY	CRA
									REVIEWED BY	KML		
0									CONCRETE: Approximately 6 inches thick.			
						0		CL	FILL: Brown, moist, silty sandy CLAY with gravel.			
						0		CL	ALLUVIUM: Gray, moist, stiff, silty sandy CLAY.			
						0						
						3.6						
						18.6		ML	Gray, moist, stiff, clayey sandy SILT.			
5						0.3		CL	Brown, moist, very stiff, sandy CLAY.			
						0						
						0		SC	Brown, wet, clayey gravelly SAND.			
						0		CL	Brown, wet, sandy CLAY.			
10									Final depth = 10 feet bgs.			
									Groundwater encountered at 2.8 feet bgs.			
									Boring tremie grouted on 5/12/2010.			
15												
20												



**BORING LOG**

PREFERENTIAL PATHWAY SURVEY & SITE ASSESSMENT WORK PLAN  
925 STANFORD AVENUE - OAKLAND, CALIFORNIA

PROJECT NO.  
401559002

DATE  
6/10

FIGURE

DEPTH (feet)	SAMPLES		BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DATE DRILLED <u>5/12/2010</u> BORING NO. <u>B-6</u>	
	Bulk	Driven							GROUND ELEVATION <u>60' ± MSL</u>	SHEET <u>1</u> OF <u>2</u>
									METHOD OF DRILLING <u>DIRECT PUSH</u>	
									DRIVE WEIGHT _____ DROP _____	
									SAMPLED BY <u>CRA</u> LOGGED BY <u>CRA</u> REVIEWED BY <u>KML</u>	
									DESCRIPTION/INTERPRETATION	
0									CONCRETE: Approximately 11 inches thick.	
						0		ML	FILL: Black, sandy clayey SILT with gravel.	
						0		CL	ALLUVIUM: Gray, moist, stiff, silty sandy CLAY.	
						0		ML	Gray, moist, stiff, clayey sandy SILT.	
						0		CL	Brown, moist, very stiff, sandy CLAY.	
5						0			Wet.	
						0				
						0				
						0				
						0				
						0				
						0.1				
						1.5				
15						5.6		SC	Gray staining. Brown with gray staining, moist, clayey gravelly SAND.	
						2.5			Brown.	
						1.8			Gray staining.	
						0		CL	Brown. Brown, moist, stiff, sandy CLAY.	
						0				
20						0				



**BORING LOG**

PREFERENTIAL PATHWAY SURVEY & SITE ASSESSMENT WORK PLAN  
925 STANFORD AVENUE - OAKLAND, CALIFORNIA

PROJECT NO.  
401559002

DATE  
6/10

FIGURE

DEPTH (feet)	SAMPLES		BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DATE DRILLED	BORING NO.	
	Bulk	Driven							5/12/2010	B-6	
									GROUND ELEVATION	SHEET	OF
									60' ± MSL	2	2
									METHOD OF DRILLING		
									DIRECT PUSH		
									DRIVE WEIGHT	DROP	
									SAMPLED BY	LOGGED BY	REVIEWED BY
									CRA	CRA	KML
									DESCRIPTION/INTERPRETATION		
20									Final depth = 20 feet bgs.		
									Groundwater encountered at 13.5 feet bgs.		
									Boring tremie grouted on 5/13/2010.		
25											
30											
35											
40											



**BORING LOG**

PREFERENTIAL PATHWAY SURVEY & SITE ASSESSMENT WORK PLAN  
925 STANFORD AVENUE - OAKLAND, CALIFORNIA

PROJECT NO.  
401559002

DATE  
6/10

FIGURE

DEPTH (feet)	SAMPLES		BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DATE DRILLED <u>5/12/2010</u> BORING NO. <u>B-7</u>	
	Bulk	Driven							GROUND ELEVATION <u>60' ± MSL</u>	SHEET <u>1</u> OF <u>2</u>
									METHOD OF DRILLING <u>DIRECT PUSH</u>	
									DRIVE WEIGHT _____ DROP _____	
									SAMPLED BY <u>CRA</u> LOGGED BY <u>CRA</u> REVIEWED BY <u>KML</u>	
									DESCRIPTION/INTERPRETATION	
0									CONCRETE: Approximately 6 inches thick.	
						0		CL	FILL: Black, moist, silty sandy CLAY with gravel.	
						0		CL	ALLUVIUM: Gray, moist, stiff, silty sandy CLAY.	
						0				
5						0			Brown.	
						0			Gray staining.	
						67.8				
						37.3				
10						45				
						87.3				
						56				
						61				
						437		SC	Gray stained, moist, clayey gravelly SAND.	
15						225			Brown/gray.	
						50.5				
						8.9			Brown.	
						3.6				
						1.8				
20						0.8				



**BORING LOG**

PREFERENTIAL PATHWAY SURVEY & SITE ASSESSMENT WORK PLAN  
925 STANFORD AVENUE - OAKLAND, CALIFORNIA

PROJECT NO.  
401559002

DATE  
6/10

FIGURE

DEPTH (feet)	SAMPLES		BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DATE DRILLED	BORING NO.	
	Bulk Driven								5/12/2010	B-7	
									GROUND ELEVATION	SHEET	OF
									60' ± MSL	2	2
									METHOD OF DRILLING		
									DIRECT PUSH		
									DRIVE WEIGHT	DROP	
									SAMPLED BY	LOGGED BY	REVIEWED BY
									CRA	CRA	KML
									DESCRIPTION/INTERPRETATION		
20						0.8			<u>ALLUVIUM</u> : (continued) Brown, moist, clayey gravelly SAND.		
									Final depth = 21.5 feet bgs.  Groundwater encounter at 3.2 feet bgs.  Boring tremie grouted on 5/13/2010.		
25											
30											
35											
40											



**BORING LOG**

PREFERENTIAL PATHWAY SURVEY & SITE ASSESSMENT WORK PLAN  
 925 STANFORD AVENUE - OAKLAND, CALIFORNIA

PROJECT NO.  
401559002

DATE  
6/10

FIGURE

DEPTH (feet)	SAMPLES		BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DATE DRILLED <u>5/12/2010</u> BORING NO. <u>B-8</u>	
	Bulk	Driven							GROUND ELEVATION <u>60' ± MSL</u>	SHEET <u>1</u> OF <u>1</u>
									METHOD OF DRILLING <u>DIRECT PUSH</u>	
									DRIVE WEIGHT _____ DROP _____	
									SAMPLED BY <u>CRA</u> LOGGED BY <u>CRA</u> REVIEWED BY <u>KML</u>	
									DESCRIPTION/INTERPRETATION	
0		<input checked="" type="checkbox"/>				0		SC	<u>FILL:</u> Brown, moist, gravelly clayey SAND.	
						0		CL	<u>ALLUVIUM:</u> Brown, moist, stiff, sandy CLAY.	
		<input checked="" type="checkbox"/>				0				
						0				
						0				
5									Final depth = 5 feet bgs.	
									Groundwater not encounter.	
									Boring grouted on 5/12/2010.	
10										
15										
20										



**BORING LOG**

PREFERENTIAL PATHWAY SURVEY & SITE ASSESSMENT WORK PLAN  
925 STANFORD AVENUE - OAKLAND, CALIFORNIA

PROJECT NO.  
401559002

DATE  
6/10

FIGURE

**APPENDIX C**  
**LABORATORY ANALYTICAL REPORT**

May 21, 2010



Cem Atabek  
Ninyo & Moore  
1956 Webster Street, Suite 400  
Oakland, CA 94612  
TEL: (510) 772-7418  
FAX: (510) 633-5646

ELAP No.: 1838  
NELAP No.: 02107CA  
NEVADA.: CA-401  
CSDLAC No.: 10196

Workorder No.: 111760

RE: 925 Stanford Ave, 401559002

Attention: Cem Atabek

Enclosed are the results for sample(s) received on May 14, 2010 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.



---

**CLIENT:** Ninyo & Moore  
**Project:** 925 Stanford Ave, 401559002  
**Lab Order:** 111760

---

**CASE NARRATIVE**

Analytical Comments for EPA 8015B(M) DRO

Samples 111760-004A, 111760-008A, 111760-014A and 111760-023A, surrogate diluted out.

Sample 111761-012AMSD, RPD for Matrix Spike Duplicate (MSD) is outside criteria; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

Analytical Comments for EPA 8260B

Sample 111760-004A, dilution was necessary due to high concentration of heavy hydrocarbons.

Samples 111760-025A and 111760-026A, dilution was necessary due to high concentration of non-target compounds.

Samples 111760-008A and 111760-023A, surrogate recovery biased high possibly due to matrix interferences.



# Advanced Technology Laboratories

# ANALYTICAL RESULTS

Print Date: 21-May-10

**CLIENT:** Ninyo & Moore  
**Lab Order:** 111760  
**Project:** 925 Stanford Ave, 401559002  
**Lab ID:** 111760-001A

**Client Sample ID:** B-4-6.0-6.5  
**Collection Date:** 5/12/2010 9:15:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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## DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID

### EPA 3550B

### EPA 8015B(M)

RunID: GC16_100519E	QC Batch: 64216				PrepDate: 5/19/2010	Analyst: CBR
DRO	1.1	1.0		mg/Kg	1	5/20/2010 03:45 AM
ORO	1.4	1.0		mg/Kg	1	5/20/2010 03:45 AM
Surr: p-Terphenyl	71.1	30-128		%REC	1	5/20/2010 03:45 AM

## GASOLINE RANGE ORGANICS BY GC/FID

### EPA 8015B(M)

RunID: GC2_100517B	QC Batch: E10VS124				PrepDate:	Analyst: DDL
GRO	1.2	1.0		mg/Kg	1	5/18/2010 01:18 AM
Surr: Bromofluorobenzene (FID)	66.1	56-137		%REC	1	5/18/2010 01:18 AM

## VOLATILE ORGANIC COMPOUNDS BY GC/MS

### EPA 8260B

RunID: MS4_100518A	QC Batch: K10VS114				PrepDate:	Analyst: TT
1,2-Dibromoethane	ND	5.0		µg/Kg	1	5/18/2010 11:48 PM
1,2-Dichloroethane	ND	5.0		µg/Kg	1	5/18/2010 11:48 PM
Benzene	ND	5.0		µg/Kg	1	5/18/2010 11:48 PM
Di-isopropyl ether	ND	5.0		µg/Kg	1	5/18/2010 11:48 PM
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	5/18/2010 11:48 PM
Ethylbenzene	ND	5.0		µg/Kg	1	5/18/2010 11:48 PM
m,p-Xylene	ND	10		µg/Kg	1	5/18/2010 11:48 PM
MTBE	ND	5.0		µg/Kg	1	5/18/2010 11:48 PM
o-Xylene	ND	5.0		µg/Kg	1	5/18/2010 11:48 PM
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	5/18/2010 11:48 PM
Tert-Butanol	ND	100		µg/Kg	1	5/18/2010 11:48 PM
Toluene	ND	5.0		µg/Kg	1	5/18/2010 11:48 PM
Surr: 1,2-Dichloroethane-d4	105	70-130		%REC	1	5/18/2010 11:48 PM
Surr: 4-Bromofluorobenzene	106	70-130		%REC	1	5/18/2010 11:48 PM
Surr: Dibromofluoromethane	101	70-130		%REC	1	5/18/2010 11:48 PM
Surr: Toluene-d8	99.8	70-130		%REC	1	5/18/2010 11:48 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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**ANALYTICAL RESULTS**

Print Date: 21-May-10

**CLIENT:** Ninyo & Moore  
**Lab Order:** 111760  
**Project:** 925 Stanford Ave, 401559002  
**Lab ID:** 111760-002A

**Client Sample ID:** B-4-9.5-10.0  
**Collection Date:** 5/12/2010 9:20:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B(M)**

RunID: GC16_100519E	QC Batch: 64216				PrepDate: 5/19/2010	Analyst: CBR
DRO	ND	1.0		mg/Kg	1	5/20/2010 03:55 AM
ORO	ND	1.0		mg/Kg	1	5/20/2010 03:55 AM
Surr: p-Terphenyl	83.5	30-128		%REC	1	5/20/2010 03:55 AM

**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B(M)**

RunID: GC2_100517B	QC Batch: E10VS124				PrepDate:	Analyst: DDL
GRO	ND	1.0		mg/Kg	1	5/18/2010 01:33 AM
Surr: Bromofluorobenzene (FID)	91.4	56-137		%REC	1	5/18/2010 01:33 AM

**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS4_100518A	QC Batch: K10VS114				PrepDate:	Analyst: TT
1,2-Dibromoethane	ND	5.0		µg/Kg	1	5/19/2010 12:04 AM
1,2-Dichloroethane	ND	5.0		µg/Kg	1	5/19/2010 12:04 AM
Benzene	ND	5.0		µg/Kg	1	5/19/2010 12:04 AM
Di-isopropyl ether	ND	5.0		µg/Kg	1	5/19/2010 12:04 AM
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	5/19/2010 12:04 AM
Ethylbenzene	ND	5.0		µg/Kg	1	5/19/2010 12:04 AM
m,p-Xylene	ND	10		µg/Kg	1	5/19/2010 12:04 AM
MTBE	ND	5.0		µg/Kg	1	5/19/2010 12:04 AM
o-Xylene	ND	5.0		µg/Kg	1	5/19/2010 12:04 AM
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	5/19/2010 12:04 AM
Tert-Butanol	ND	100		µg/Kg	1	5/19/2010 12:04 AM
Toluene	ND	5.0		µg/Kg	1	5/19/2010 12:04 AM
Surr: 1,2-Dichloroethane-d4	107	70-130		%REC	1	5/19/2010 12:04 AM
Surr: 4-Bromofluorobenzene	94.4	70-130		%REC	1	5/19/2010 12:04 AM
Surr: Dibromofluoromethane	103	70-130		%REC	1	5/19/2010 12:04 AM
Surr: Toluene-d8	97.7	70-130		%REC	1	5/19/2010 12:04 AM

**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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# ANALYTICAL RESULTS

Print Date: 21-May-10

**CLIENT:** Ninyo & Moore  
**Lab Order:** 111760  
**Project:** 925 Stanford Ave, 401559002  
**Lab ID:** 111760-003A

**Client Sample ID:** B-4-11.0-11.5  
**Collection Date:** 5/12/2010 9:30:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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## DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID

### EPA 3550B

### EPA 8015B(M)

RunID: GC16_100519E	QC Batch: 64216				PrepDate: 5/19/2010	Analyst: CBR
DRO	14	1.0		mg/Kg	1	5/20/2010 04:04 AM
ORO	9.7	1.0		mg/Kg	1	5/20/2010 04:04 AM
Surr: p-Terphenyl	73.5	30-128		%REC	1	5/20/2010 04:04 AM

## GASOLINE RANGE ORGANICS BY GC/FID

### EPA 8015B(M)

RunID: GC2_100517B	QC Batch: E10VS124				PrepDate:	Analyst: DDL
GRO	ND	1.0		mg/Kg	1	5/18/2010 01:48 AM
Surr: Bromofluorobenzene (FID)	93.6	56-137		%REC	1	5/18/2010 01:48 AM

## VOLATILE ORGANIC COMPOUNDS BY GC/MS

### EPA 8260B

RunID: MS4_100518A	QC Batch: K10VS114				PrepDate:	Analyst: TT
1,2-Dibromoethane	ND	5.0		µg/Kg	1	5/19/2010 12:21 AM
1,2-Dichloroethane	ND	5.0		µg/Kg	1	5/19/2010 12:21 AM
Benzene	ND	5.0		µg/Kg	1	5/19/2010 12:21 AM
Di-isopropyl ether	ND	5.0		µg/Kg	1	5/19/2010 12:21 AM
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	5/19/2010 12:21 AM
Ethylbenzene	ND	5.0		µg/Kg	1	5/19/2010 12:21 AM
m,p-Xylene	ND	10		µg/Kg	1	5/19/2010 12:21 AM
MTBE	ND	5.0		µg/Kg	1	5/19/2010 12:21 AM
o-Xylene	ND	5.0		µg/Kg	1	5/19/2010 12:21 AM
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	5/19/2010 12:21 AM
Tert-Butanol	ND	100		µg/Kg	1	5/19/2010 12:21 AM
Toluene	ND	5.0		µg/Kg	1	5/19/2010 12:21 AM
Surr: 1,2-Dichloroethane-d4	109	70-130		%REC	1	5/19/2010 12:21 AM
Surr: 4-Bromofluorobenzene	92.9	70-130		%REC	1	5/19/2010 12:21 AM
Surr: Dibromofluoromethane	105	70-130		%REC	1	5/19/2010 12:21 AM
Surr: Toluene-d8	100	70-130		%REC	1	5/19/2010 12:21 AM

**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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# ANALYTICAL RESULTS

Print Date: 21-May-10

**CLIENT:** Ninyo & Moore  
**Lab Order:** 111760  
**Project:** 925 Stanford Ave, 401559002  
**Lab ID:** 111760-004A

**Client Sample ID:** B-3-5.5-6.0  
**Collection Date:** 5/12/2010 9:40:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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## DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID

### EPA 3550B

### EPA 8015B(M)

RunID: GC16_100519E	QC Batch: 64216				PrepDate: 5/19/2010	Analyst: CBR
DRO	340	20		mg/Kg	20	5/20/2010 10:18 AM
ORO	88	20		mg/Kg	20	5/20/2010 10:18 AM
Surr: p-Terphenyl	0	30-128	SDO	%REC	20	5/20/2010 10:18 AM

## GASOLINE RANGE ORGANICS BY GC/FID

### EPA 8015B(M)

RunID: GC2_100517B	QC Batch: E10VS124				PrepDate:	Analyst: DDL
GRO	120	5.0		mg/Kg	5	5/18/2010 02:32 AM
Surr: Bromofluorobenzene (FID)	110	56-137		%REC	5	5/18/2010 02:32 AM

## VOLATILE ORGANIC COMPOUNDS BY GC/MS

### EPA 8260B

RunID: MS4_100520A	QC Batch: K10VS116				PrepDate:	Analyst: BD
1,2-Dibromoethane	ND	250		µg/Kg	50	5/20/2010 12:54 PM
1,2-Dichloroethane	ND	250		µg/Kg	50	5/20/2010 12:54 PM
Benzene	ND	250		µg/Kg	50	5/20/2010 12:54 PM
Di-isopropyl ether	ND	250		µg/Kg	50	5/20/2010 12:54 PM
Ethyl Tert-butyl ether	ND	250		µg/Kg	50	5/20/2010 12:54 PM
Ethylbenzene	ND	250		µg/Kg	50	5/20/2010 12:54 PM
m,p-Xylene	ND	500		µg/Kg	50	5/20/2010 12:54 PM
MTBE	ND	250		µg/Kg	50	5/20/2010 12:54 PM
o-Xylene	ND	250		µg/Kg	50	5/20/2010 12:54 PM
Tert-amyl methyl ether	ND	250		µg/Kg	50	5/20/2010 12:54 PM
Tert-Butanol	ND	5000		µg/Kg	50	5/20/2010 12:54 PM
Toluene	ND	250		µg/Kg	50	5/20/2010 12:54 PM
Surr: 1,2-Dichloroethane-d4	91.0	70-130		%REC	50	5/20/2010 12:54 PM
Surr: 4-Bromofluorobenzene	103	70-130		%REC	50	5/20/2010 12:54 PM
Surr: Dibromofluoromethane	94.0	70-130		%REC	50	5/20/2010 12:54 PM
Surr: Toluene-d8	99.9	70-130		%REC	50	5/20/2010 12:54 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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# ANALYTICAL RESULTS

Print Date: 21-May-10

**CLIENT:** Ninyo & Moore  
**Lab Order:** 111760  
**Project:** 925 Stanford Ave, 401559002  
**Lab ID:** 111760-005A

**Client Sample ID:** B-3-9.5-10.0  
**Collection Date:** 5/12/2010 9:50:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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## DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID

### EPA 3550B

### EPA 8015B(M)

RunID: GC16_100519E	QC Batch: 64216				PrepDate: 5/19/2010	Analyst: CBR
DRO	110	1.0		mg/Kg	1	5/20/2010 05:56 AM
ORO	110	1.0		mg/Kg	1	5/20/2010 05:56 AM
Surr: p-Terphenyl	57.9	30-128		%REC	1	5/20/2010 05:56 AM

## GASOLINE RANGE ORGANICS BY GC/FID

### EPA 8015B(M)

RunID: GC2_100517B	QC Batch: E10VS124				PrepDate:	Analyst: DDL
GRO	ND	1.0		mg/Kg	1	5/18/2010 02:02 AM
Surr: Bromofluorobenzene (FID)	86.4	56-137		%REC	1	5/18/2010 02:02 AM

## VOLATILE ORGANIC COMPOUNDS BY GC/MS

### EPA 8260B

RunID: MS4_100518A	QC Batch: K10VS114				PrepDate:	Analyst: TT
1,2-Dibromoethane	ND	5.0		µg/Kg	1	5/19/2010 12:37 AM
1,2-Dichloroethane	ND	5.0		µg/Kg	1	5/19/2010 12:37 AM
Benzene	ND	5.0		µg/Kg	1	5/19/2010 12:37 AM
Di-isopropyl ether	ND	5.0		µg/Kg	1	5/19/2010 12:37 AM
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	5/19/2010 12:37 AM
Ethylbenzene	ND	5.0		µg/Kg	1	5/19/2010 12:37 AM
m,p-Xylene	ND	10		µg/Kg	1	5/19/2010 12:37 AM
MTBE	ND	5.0		µg/Kg	1	5/19/2010 12:37 AM
o-Xylene	ND	5.0		µg/Kg	1	5/19/2010 12:37 AM
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	5/19/2010 12:37 AM
Tert-Butanol	ND	100		µg/Kg	1	5/19/2010 12:37 AM
Toluene	ND	5.0		µg/Kg	1	5/19/2010 12:37 AM
Surr: 1,2-Dichloroethane-d4	103	70-130		%REC	1	5/19/2010 12:37 AM
Surr: 4-Bromofluorobenzene	101	70-130		%REC	1	5/19/2010 12:37 AM
Surr: Dibromofluoromethane	103	70-130		%REC	1	5/19/2010 12:37 AM
Surr: Toluene-d8	96.2	70-130		%REC	1	5/19/2010 12:37 AM

**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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**ANALYTICAL RESULTS**

Print Date: 21-May-10

**CLIENT:** Ninyo & Moore  
**Lab Order:** 111760  
**Project:** 925 Stanford Ave, 401559002  
**Lab ID:** 111760-006A

**Client Sample ID:** B-3-12.0-12.5  
**Collection Date:** 5/12/2010 10:00:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B(M)**

RunID: GC16_100519E	QC Batch: 64216				PrepDate: 5/19/2010	Analyst: <b>CBR</b>
DRO	3.8	1.0		mg/Kg	1	5/20/2010 04:14 AM
ORO	3.1	1.0		mg/Kg	1	5/20/2010 04:14 AM
Surr: p-Terphenyl	59.7	30-128		%REC	1	5/20/2010 04:14 AM

**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B(M)**

RunID: GC2_100517B	QC Batch: E10VS124				PrepDate:	Analyst: <b>DDL</b>
GRO	ND	1.0		mg/Kg	1	5/18/2010 02:17 AM
Surr: Bromofluorobenzene (FID)	89.0	56-137		%REC	1	5/18/2010 02:17 AM

**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS4_100518A	QC Batch: K10VS114				PrepDate:	Analyst: <b>TT</b>
1,2-Dibromoethane	ND	5.0		µg/Kg	1	5/19/2010 12:53 AM
1,2-Dichloroethane	ND	5.0		µg/Kg	1	5/19/2010 12:53 AM
Benzene	ND	5.0		µg/Kg	1	5/19/2010 12:53 AM
Di-isopropyl ether	ND	5.0		µg/Kg	1	5/19/2010 12:53 AM
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	5/19/2010 12:53 AM
Ethylbenzene	ND	5.0		µg/Kg	1	5/19/2010 12:53 AM
m,p-Xylene	ND	10		µg/Kg	1	5/19/2010 12:53 AM
MTBE	ND	5.0		µg/Kg	1	5/19/2010 12:53 AM
o-Xylene	ND	5.0		µg/Kg	1	5/19/2010 12:53 AM
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	5/19/2010 12:53 AM
Tert-Butanol	ND	100		µg/Kg	1	5/19/2010 12:53 AM
Toluene	ND	5.0		µg/Kg	1	5/19/2010 12:53 AM
Surr: 1,2-Dichloroethane-d4	103	70-130		%REC	1	5/19/2010 12:53 AM
Surr: 4-Bromofluorobenzene	93.5	70-130		%REC	1	5/19/2010 12:53 AM
Surr: Dibromofluoromethane	100	70-130		%REC	1	5/19/2010 12:53 AM
Surr: Toluene-d8	98.3	70-130		%REC	1	5/19/2010 12:53 AM

**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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**ANALYTICAL RESULTS**  
 Print Date: 21-May-10

<b>CLIENT:</b> Ninyo & Moore	<b>Client Sample ID:</b> B-4-GW
<b>Lab Order:</b> 111760	<b>Collection Date:</b> 5/12/2010 10:40:00 AM
<b>Project:</b> 925 Stanford Ave, 401559002	<b>Matrix:</b> GROUNDWATER
<b>Lab ID:</b> 111760-007A	

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS11_100518A	QC Batch: A10VW112	PrepDate:	Analyst: <b>SLL</b>		
1,2-Dibromoethane	ND	0.50	µg/L	1	5/18/2010 10:22 AM
1,2-Dichloroethane	ND	0.50	µg/L	1	5/18/2010 10:22 AM
Benzene	ND	0.50	µg/L	1	5/18/2010 10:22 AM
Di-isopropyl ether	ND	0.50	µg/L	1	5/18/2010 10:22 AM
Ethyl tert-butyl ether	ND	0.50	µg/L	1	5/18/2010 10:22 AM
Ethylbenzene	ND	0.50	µg/L	1	5/18/2010 10:22 AM
m,p-Xylene	ND	1.0	µg/L	1	5/18/2010 10:22 AM
MTBE	ND	0.50	µg/L	1	5/18/2010 10:22 AM
o-Xylene	ND	0.50	µg/L	1	5/18/2010 10:22 AM
Tert-amyl methyl ether	ND	0.50	µg/L	1	5/18/2010 10:22 AM
Tert-Butanol	ND	10	µg/L	1	5/18/2010 10:22 AM
Toluene	ND	0.50	µg/L	1	5/18/2010 10:22 AM
Surr: 1,2-Dichloroethane-d4	107	70-130	%REC	1	5/18/2010 10:22 AM
Surr: 4-Bromofluorobenzene	95.9	70-130	%REC	1	5/18/2010 10:22 AM
Surr: Dibromofluoromethane	101	70-130	%REC	1	5/18/2010 10:22 AM
Surr: Toluene-d8	100	70-130	%REC	1	5/18/2010 10:22 AM

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected 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**

**ANALYTICAL RESULTS**  
Print Date: 21-May-10

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<b>CLIENT:</b> Ninyo & Moore	<b>Client Sample ID:</b> B-4-GW
<b>Lab Order:</b> 111760	<b>Collection Date:</b> 5/12/2010 10:40:00 AM
<b>Project:</b> 925 Stanford Ave, 401559002	<b>Matrix:</b> GROUNDWATER
<b>Lab ID:</b> 111760-007B	

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<b>Analyses</b>	<b>Result</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
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**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B(M)**

RunID: GC19_100517A	QC Batch: M10VW018	PrepDate:	Analyst: <b>CL</b>		
GRO	ND	0.050	mg/L	1	5/17/2010 07:22 PM
Surr: Bromofluorobenzene (FID)	107	70-130	%REC	1	5/17/2010 07:22 PM

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<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected 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 RESULTS**  
 Print Date: 21-May-10

**CLIENT:** Ninyo & Moore  
**Lab Order:** 111760  
**Project:** 925 Stanford Ave, 401559002  
**Lab ID:** 111760-007C

**Client Sample ID:** B-4-GW  
**Collection Date:** 5/12/2010 10:40:00 AM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL &amp; MOTOR OIL RANGE ORGANICS BY GC/FID</b>						
	<b>EPA 3510C</b>		<b>EPA 8015B(M)</b>			
RunID: GC16_100519B	QC Batch: 64185				PrepDate: 5/18/2010	Analyst: <b>CBR</b>
DRO	0.53	0.056		mg/L	1	5/19/2010 07:09 PM
ORO	0.43	0.056		mg/L	1	5/19/2010 07:09 PM
Surr: p-Terphenyl	78.7	36-126		%REC	1	5/19/2010 07:09 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

# ANALYTICAL RESULTS

Print Date: 21-May-10

**CLIENT:** Ninyo & Moore  
**Lab Order:** 111760  
**Project:** 925 Stanford Ave, 401559002  
**Lab ID:** 111760-008A

**Client Sample ID:** B-2-6.0-6.5  
**Collection Date:** 5/12/2010 11:05:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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### DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID

#### EPA 3550B

#### EPA 8015B(M)

RunID: GC16_100519E	QC Batch: 64216				PrepDate: 5/19/2010	Analyst: CBR
DRO	280	20		mg/Kg	20	5/20/2010 10:09 AM
ORO	75	20		mg/Kg	20	5/20/2010 10:09 AM
Surr: p-Terphenyl	0	30-128	SDO	%REC	20	5/20/2010 10:09 AM

### GASOLINE RANGE ORGANICS BY GC/FID

#### EPA 8015B(M)

RunID: GC2_100517B	QC Batch: E10VS124				PrepDate:	Analyst: DDL
GRO	5.0	1.0		mg/Kg	1	5/18/2010 02:46 AM
Surr: Bromofluorobenzene (FID)	91.5	56-137		%REC	1	5/18/2010 02:46 AM

### VOLATILE ORGANIC COMPOUNDS BY GC/MS

#### EPA 8260B

RunID: MS4_100518A	QC Batch: K10VS114				PrepDate:	Analyst: TT
1,2-Dibromoethane	ND	5.0		µg/Kg	1	5/19/2010 01:10 AM
1,2-Dichloroethane	ND	5.0		µg/Kg	1	5/19/2010 01:10 AM
Benzene	ND	5.0		µg/Kg	1	5/19/2010 01:10 AM
Di-isopropyl ether	ND	5.0		µg/Kg	1	5/19/2010 01:10 AM
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	5/19/2010 01:10 AM
Ethylbenzene	ND	5.0		µg/Kg	1	5/19/2010 01:10 AM
m,p-Xylene	ND	10		µg/Kg	1	5/19/2010 01:10 AM
MTBE	ND	5.0		µg/Kg	1	5/19/2010 01:10 AM
o-Xylene	ND	5.0		µg/Kg	1	5/19/2010 01:10 AM
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	5/19/2010 01:10 AM
Tert-Butanol	ND	100		µg/Kg	1	5/19/2010 01:10 AM
Toluene	ND	5.0		µg/Kg	1	5/19/2010 01:10 AM
Surr: 1,2-Dichloroethane-d4	99.4	70-130		%REC	1	5/19/2010 01:10 AM
Surr: 4-Bromofluorobenzene	173	70-130	S	%REC	1	5/19/2010 01:10 AM
Surr: Dibromofluoromethane	98.9	70-130		%REC	1	5/19/2010 01:10 AM
Surr: Toluene-d8	100	70-130		%REC	1	5/19/2010 01:10 AM

**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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# ANALYTICAL RESULTS

Print Date: 21-May-10

**CLIENT:** Ninyo & Moore  
**Lab Order:** 111760  
**Project:** 925 Stanford Ave, 401559002  
**Lab ID:** 111760-009A

**Client Sample ID:** B-2-9.5-10.0  
**Collection Date:** 5/12/2010 11:15:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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## DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID

### EPA 3550B

### EPA 8015B(M)

RunID: GC16_100519E	QC Batch: 64216				PrepDate: 5/19/2010	Analyst: CBR
DRO	26	1.0		mg/Kg	1	5/20/2010 04:42 AM
ORO	10	1.0		mg/Kg	1	5/20/2010 04:42 AM
Surr: p-Terphenyl	67.0	30-128		%REC	1	5/20/2010 04:42 AM

## GASOLINE RANGE ORGANICS BY GC/FID

### EPA 8015B(M)

RunID: GC2_100518A	QC Batch: E10VS125				PrepDate:	Analyst: DDL
GRO	ND	1.0		mg/Kg	1	5/18/2010 02:39 PM
Surr: Bromofluorobenzene (FID)	91.0	56-137		%REC	1	5/18/2010 02:39 PM

## VOLATILE ORGANIC COMPOUNDS BY GC/MS

### EPA 8260B

RunID: MS4_100518A	QC Batch: K10VS114				PrepDate:	Analyst: TT
1,2-Dibromoethane	ND	5.0		µg/Kg	1	5/19/2010 01:26 AM
1,2-Dichloroethane	ND	5.0		µg/Kg	1	5/19/2010 01:26 AM
Benzene	ND	5.0		µg/Kg	1	5/19/2010 01:26 AM
Di-isopropyl ether	ND	5.0		µg/Kg	1	5/19/2010 01:26 AM
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	5/19/2010 01:26 AM
Ethylbenzene	ND	5.0		µg/Kg	1	5/19/2010 01:26 AM
m,p-Xylene	ND	10		µg/Kg	1	5/19/2010 01:26 AM
MTBE	ND	5.0		µg/Kg	1	5/19/2010 01:26 AM
o-Xylene	ND	5.0		µg/Kg	1	5/19/2010 01:26 AM
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	5/19/2010 01:26 AM
Tert-Butanol	ND	100		µg/Kg	1	5/19/2010 01:26 AM
Toluene	ND	5.0		µg/Kg	1	5/19/2010 01:26 AM
Surr: 1,2-Dichloroethane-d4	96.2	70-130		%REC	1	5/19/2010 01:26 AM
Surr: 4-Bromofluorobenzene	91.2	70-130		%REC	1	5/19/2010 01:26 AM
Surr: Dibromofluoromethane	93.4	70-130		%REC	1	5/19/2010 01:26 AM
Surr: Toluene-d8	99.3	70-130		%REC	1	5/19/2010 01:26 AM

**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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# ANALYTICAL RESULTS

Print Date: 21-May-10

**CLIENT:** Ninyo & Moore  
**Lab Order:** 111760  
**Project:** 925 Stanford Ave, 401559002  
**Lab ID:** 111760-010A

**Client Sample ID:** B-2-11.5-12.0  
**Collection Date:** 5/12/2010 11:20:00 AM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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## DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID

### EPA 3550B

### EPA 8015B(M)

RunID: GC16_100519E	QC Batch: 64216				PrepDate: 5/19/2010	Analyst: CBR
DRO	9.0	1.0		mg/Kg	1	5/20/2010 04:23 AM
ORO	6.0	1.0		mg/Kg	1	5/20/2010 04:23 AM
Surr: p-Terphenyl	71.5	30-128		%REC	1	5/20/2010 04:23 AM

## GASOLINE RANGE ORGANICS BY GC/FID

### EPA 8015B(M)

RunID: GC2_100518A	QC Batch: E10VS125				PrepDate:	Analyst: DDL
GRO	ND	1.0		mg/Kg	1	5/18/2010 02:53 PM
Surr: Bromofluorobenzene (FID)	89.4	56-137		%REC	1	5/18/2010 02:53 PM

## VOLATILE ORGANIC COMPOUNDS BY GC/MS

### EPA 8260B

RunID: MS4_100518A	QC Batch: K10VS114				PrepDate:	Analyst: TT
1,2-Dibromoethane	ND	5.0		µg/Kg	1	5/19/2010 01:42 AM
1,2-Dichloroethane	ND	5.0		µg/Kg	1	5/19/2010 01:42 AM
Benzene	ND	5.0		µg/Kg	1	5/19/2010 01:42 AM
Di-isopropyl ether	ND	5.0		µg/Kg	1	5/19/2010 01:42 AM
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	5/19/2010 01:42 AM
Ethylbenzene	ND	5.0		µg/Kg	1	5/19/2010 01:42 AM
m,p-Xylene	ND	10		µg/Kg	1	5/19/2010 01:42 AM
MTBE	ND	5.0		µg/Kg	1	5/19/2010 01:42 AM
o-Xylene	ND	5.0		µg/Kg	1	5/19/2010 01:42 AM
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	5/19/2010 01:42 AM
Tert-Butanol	ND	100		µg/Kg	1	5/19/2010 01:42 AM
Toluene	ND	5.0		µg/Kg	1	5/19/2010 01:42 AM
Surr: 1,2-Dichloroethane-d4	97.0	70-130		%REC	1	5/19/2010 01:42 AM
Surr: 4-Bromofluorobenzene	89.5	70-130		%REC	1	5/19/2010 01:42 AM
Surr: Dibromofluoromethane	99.1	70-130		%REC	1	5/19/2010 01:42 AM
Surr: Toluene-d8	100	70-130		%REC	1	5/19/2010 01:42 AM

**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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**ANALYTICAL RESULTS**

Print Date: 21-May-10

**CLIENT:** Ninyo & Moore  
**Lab Order:** 111760  
**Project:** 925 Stanford Ave, 401559002  
**Lab ID:** 111760-011A

**Client Sample ID:** B-2-GW  
**Collection Date:** 5/12/2010 12:20:00 PM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS11_100518A	QC Batch: A10VW112	PrepDate:	Analyst: SLL		
1,2-Dibromoethane	ND	0.50	µg/L	1	5/18/2010 10:43 AM
1,2-Dichloroethane	ND	0.50	µg/L	1	5/18/2010 10:43 AM
Benzene	ND	0.50	µg/L	1	5/18/2010 10:43 AM
Di-isopropyl ether	ND	0.50	µg/L	1	5/18/2010 10:43 AM
Ethyl tert-butyl ether	ND	0.50	µg/L	1	5/18/2010 10:43 AM
Ethylbenzene	ND	0.50	µg/L	1	5/18/2010 10:43 AM
m,p-Xylene	ND	1.0	µg/L	1	5/18/2010 10:43 AM
MTBE	ND	0.50	µg/L	1	5/18/2010 10:43 AM
o-Xylene	ND	0.50	µg/L	1	5/18/2010 10:43 AM
Tert-amyl methyl ether	ND	0.50	µg/L	1	5/18/2010 10:43 AM
Tert-Butanol	ND	10	µg/L	1	5/18/2010 10:43 AM
Toluene	ND	0.50	µg/L	1	5/18/2010 10:43 AM
Surr: 1,2-Dichloroethane-d4	104	70-130	%REC	1	5/18/2010 10:43 AM
Surr: 4-Bromofluorobenzene	97.0	70-130	%REC	1	5/18/2010 10:43 AM
Surr: Dibromofluoromethane	103	70-130	%REC	1	5/18/2010 10:43 AM
Surr: Toluene-d8	101	70-130	%REC	1	5/18/2010 10:43 AM

**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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**ANALYTICAL RESULTS**  
Print Date: 21-May-10

**CLIENT:** Ninyo & Moore  
**Lab Order:** 111760  
**Project:** 925 Stanford Ave, 401559002  
**Lab ID:** 111760-011B

**Client Sample ID:** B-2-GW  
**Collection Date:** 5/12/2010 12:20:00 PM  
**Matrix:** GROUNDWATER

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Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B(M)**

RunID: GC19_100517A	QC Batch: M10VW018	PrepDate:	Analyst: <b>CL</b>		
GRO	ND	0.050	mg/L	1	5/17/2010 09:59 PM
Surr: Bromofluorobenzene (FID)	105	70-130	%REC	1	5/17/2010 09:59 PM

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**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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**ANALYTICAL RESULTS**  
 Print Date: 21-May-10

**CLIENT:** Ninyo & Moore  
**Lab Order:** 111760  
**Project:** 925 Stanford Ave, 401559002  
**Lab ID:** 111760-011C

**Client Sample ID:** B-2-GW  
**Collection Date:** 5/12/2010 12:20:00 PM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL &amp; MOTOR OIL RANGE ORGANICS BY GC/FID</b>						
	<b>EPA 3510C</b>		<b>EPA 8015B(M)</b>			
RunID: GC16_100519B	QC Batch: 64185				PrepDate: 5/18/2010	Analyst: <b>CBR</b>
DRO	0.072	0.053		mg/L	1	5/19/2010 04:23 PM
ORO	ND	0.053		mg/L	1	5/19/2010 04:23 PM
Surr: p-Terphenyl	80.1	36-126		%REC	1	5/19/2010 04:23 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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**ANALYTICAL RESULTS**

Print Date: 21-May-10

**CLIENT:** Ninyo & Moore  
**Lab Order:** 111760  
**Project:** 925 Stanford Ave, 401559002  
**Lab ID:** 111760-012A

**Client Sample ID:** B-3-GW  
**Collection Date:** 5/12/2010 12:40:00 PM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS11_100517A	QC Batch: A10VW111	PrepDate:	Analyst: SLL		
1,2-Dibromoethane	ND	0.50	µg/L	1	5/17/2010 04:09 PM
1,2-Dichloroethane	ND	0.50	µg/L	1	5/17/2010 04:09 PM
Benzene	ND	0.50	µg/L	1	5/17/2010 04:09 PM
Di-isopropyl ether	ND	0.50	µg/L	1	5/17/2010 04:09 PM
Ethyl tert-butyl ether	ND	0.50	µg/L	1	5/17/2010 04:09 PM
Ethylbenzene	ND	0.50	µg/L	1	5/17/2010 04:09 PM
m,p-Xylene	ND	1.0	µg/L	1	5/17/2010 04:09 PM
MTBE	ND	0.50	µg/L	1	5/17/2010 04:09 PM
o-Xylene	ND	0.50	µg/L	1	5/17/2010 04:09 PM
Tert-amyl methyl ether	ND	0.50	µg/L	1	5/17/2010 04:09 PM
Tert-Butanol	ND	10	µg/L	1	5/17/2010 04:09 PM
Toluene	ND	0.50	µg/L	1	5/17/2010 04:09 PM
Surr: 1,2-Dichloroethane-d4	109	70-130	%REC	1	5/17/2010 04:09 PM
Surr: 4-Bromofluorobenzene	97.4	70-130	%REC	1	5/17/2010 04:09 PM
Surr: Dibromofluoromethane	104	70-130	%REC	1	5/17/2010 04:09 PM
Surr: Toluene-d8	102	70-130	%REC	1	5/17/2010 04:09 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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**ANALYTICAL RESULTS**  
Print Date: 21-May-10

**CLIENT:** Ninyo & Moore  
**Lab Order:** 111760  
**Project:** 925 Stanford Ave, 401559002  
**Lab ID:** 111760-012B

**Client Sample ID:** B-3-GW  
**Collection Date:** 5/12/2010 12:40:00 PM  
**Matrix:** GROUNDWATER

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Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B(M)**

RunID: GC19_100517A	QC Batch: M10VW018	PrepDate:	Analyst: <b>CL</b>		
GRO	ND	0.050	mg/L	1	5/17/2010 07:41 PM
Surr: Bromofluorobenzene (FID)	106	70-130	%REC	1	5/17/2010 07:41 PM

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<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected 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 RESULTS**  
 Print Date: 21-May-10

**CLIENT:** Ninyo & Moore  
**Lab Order:** 111760  
**Project:** 925 Stanford Ave, 401559002  
**Lab ID:** 111760-012C

**Client Sample ID:** B-3-GW  
**Collection Date:** 5/12/2010 12:40:00 PM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL &amp; MOTOR OIL RANGE ORGANICS BY GC/FID</b>						
	<b>EPA 3510C</b>		<b>EPA 8015B(M)</b>			
RunID: GC16_100519B	QC Batch: 64185				PrepDate: 5/18/2010	Analyst: <b>CBR</b>
DRO	0.21	0.053		mg/L	1	5/19/2010 04:34 PM
ORO	0.087	0.053		mg/L	1	5/19/2010 04:34 PM
Surr: p-Terphenyl	90.4	36-126		%REC	1	5/19/2010 04:34 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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**ANALYTICAL RESULTS**

Print Date: 21-May-10

**CLIENT:** Ninyo & Moore  
**Lab Order:** 111760  
**Project:** 925 Stanford Ave, 401559002  
**Lab ID:** 111760-013A

**Client Sample ID:** B-1-GW  
**Collection Date:** 5/12/2010 1:00:00 PM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID:	MS11_100517A	QC Batch:	A10VW111	PrepDate:	Analyst:	SLL
1,2-Dibromoethane	ND	0.50	µg/L	1	5/17/2010 04:30 PM	
1,2-Dichloroethane	ND	0.50	µg/L	1	5/17/2010 04:30 PM	
Benzene	ND	0.50	µg/L	1	5/17/2010 04:30 PM	
Di-isopropyl ether	ND	0.50	µg/L	1	5/17/2010 04:30 PM	
Ethyl tert-butyl ether	ND	0.50	µg/L	1	5/17/2010 04:30 PM	
Ethylbenzene	ND	0.50	µg/L	1	5/17/2010 04:30 PM	
m,p-Xylene	ND	1.0	µg/L	1	5/17/2010 04:30 PM	
MTBE	ND	0.50	µg/L	1	5/17/2010 04:30 PM	
o-Xylene	ND	0.50	µg/L	1	5/17/2010 04:30 PM	
Tert-amyl methyl ether	ND	0.50	µg/L	1	5/17/2010 04:30 PM	
Tert-Butanol	ND	10	µg/L	1	5/17/2010 04:30 PM	
Toluene	ND	0.50	µg/L	1	5/17/2010 04:30 PM	
Surr: 1,2-Dichloroethane-d4	108	70-130	%REC	1	5/17/2010 04:30 PM	
Surr: 4-Bromofluorobenzene	95.6	70-130	%REC	1	5/17/2010 04:30 PM	
Surr: Dibromofluoromethane	103	70-130	%REC	1	5/17/2010 04:30 PM	
Surr: Toluene-d8	101	70-130	%REC	1	5/17/2010 04:30 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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**ANALYTICAL RESULTS**  
Print Date: 21-May-10

**CLIENT:** Ninyo & Moore  
**Lab Order:** 111760  
**Project:** 925 Stanford Ave, 401559002  
**Lab ID:** 111760-013B

**Client Sample ID:** B-1-GW  
**Collection Date:** 5/12/2010 1:00:00 PM  
**Matrix:** GROUNDWATER

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Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B(M)**

RunID: GC19_100517A	QC Batch: M10VW018	PrepDate:	Analyst: <b>CL</b>		
GRO	ND	0.050	mg/L	1	5/17/2010 09:39 PM
Surr: Bromofluorobenzene (FID)	103	70-130	%REC	1	5/17/2010 09:39 PM

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<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected 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 RESULTS**  
 Print Date: 21-May-10

**CLIENT:** Ninyo & Moore  
**Lab Order:** 111760  
**Project:** 925 Stanford Ave, 401559002  
**Lab ID:** 111760-013C

**Client Sample ID:** B-1-GW  
**Collection Date:** 5/12/2010 1:00:00 PM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL &amp; MOTOR OIL RANGE ORGANICS BY GC/FID</b>						
	<b>EPA 3510C</b>		<b>EPA 8015B(M)</b>			
RunID: GC16_100519B	QC Batch: 64185				PrepDate: 5/18/2010	Analyst: <b>CBR</b>
DRO	ND	0.053		mg/L	1	5/19/2010 04:44 PM
ORO	ND	0.053		mg/L	1	5/19/2010 04:44 PM
Surr: p-Terphenyl	119	36-126		%REC	1	5/19/2010 04:44 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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# ANALYTICAL RESULTS

Print Date: 21-May-10

**CLIENT:** Ninyo & Moore  
**Lab Order:** 111760  
**Project:** 925 Stanford Ave, 401559002  
**Lab ID:** 111760-014A

**Client Sample ID:** B-8-0.0-0.5  
**Collection Date:** 5/12/2010 2:05:00 PM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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## DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID

### EPA 3550B

### EPA 8015B(M)

RunID: GC16_100519E	QC Batch: 64216				PrepDate: 5/19/2010	Analyst: CBR
DRO	4800	100		mg/Kg	25	5/20/2010 06:43 AM
ORO	15000	100		mg/Kg	25	5/20/2010 06:43 AM
Surr: p-Terphenyl	0	30-128	SDO	%REC	25	5/20/2010 06:43 AM

## GASOLINE RANGE ORGANICS BY GC/FID

### EPA 8015B(M)

RunID: GC2_100518B	QC Batch: E10VS126				PrepDate:	Analyst: DDL
GRO	ND	1.0		mg/Kg	1	5/18/2010 11:33 PM
Surr: Bromofluorobenzene (FID)	60.6	56-137		%REC	1	5/18/2010 11:33 PM

## VOLATILE ORGANIC COMPOUNDS BY GC/MS

### EPA 8260B

RunID: MS4_100520A	QC Batch: K10VS116				PrepDate:	Analyst: BD
1,2-Dibromoethane	ND	5.0		µg/Kg	1	5/20/2010 03:38 PM
1,2-Dichloroethane	ND	5.0		µg/Kg	1	5/20/2010 03:38 PM
Benzene	ND	5.0		µg/Kg	1	5/20/2010 03:38 PM
Di-isopropyl ether	ND	5.0		µg/Kg	1	5/20/2010 03:38 PM
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	5/20/2010 03:38 PM
Ethylbenzene	ND	5.0		µg/Kg	1	5/20/2010 03:38 PM
m,p-Xylene	ND	10		µg/Kg	1	5/20/2010 03:38 PM
MTBE	ND	5.0		µg/Kg	1	5/20/2010 03:38 PM
o-Xylene	ND	5.0		µg/Kg	1	5/20/2010 03:38 PM
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	5/20/2010 03:38 PM
Tert-Butanol	ND	100		µg/Kg	1	5/20/2010 03:38 PM
Toluene	ND	5.0		µg/Kg	1	5/20/2010 03:38 PM
Surr: 1,2-Dichloroethane-d4	94.2	70-130		%REC	1	5/20/2010 03:38 PM
Surr: 4-Bromofluorobenzene	79.6	70-130		%REC	1	5/20/2010 03:38 PM
Surr: Dibromofluoromethane	99.5	70-130		%REC	1	5/20/2010 03:38 PM
Surr: Toluene-d8	95.9	70-130		%REC	1	5/20/2010 03:38 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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# ANALYTICAL RESULTS

Print Date: 21-May-10

**CLIENT:** Ninyo & Moore  
**Lab Order:** 111760  
**Project:** 925 Stanford Ave, 401559002  
**Lab ID:** 111760-016A

**Client Sample ID:** B-5-4.5-5.0  
**Collection Date:** 5/12/2010 2:45:00 PM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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## DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID

### EPA 3550B

### EPA 8015B(M)

RunID:	GC16_100519D	QC Batch:	64217	PrepDate:	5/19/2010	Analyst:	CBR
DRO		160	1.0	mg/Kg	1	5/20/2010 01:25 AM	
ORO		140	1.0	mg/Kg	1	5/20/2010 01:25 AM	
Surr: p-Terphenyl		56.3	30-128	%REC	1	5/20/2010 01:25 AM	

## GASOLINE RANGE ORGANICS BY GC/FID

### EPA 8015B(M)

RunID:	GC2_100518B	QC Batch:	E10VS126	PrepDate:		Analyst:	DDL
GRO		1.3	1.0	mg/Kg	1	5/19/2010 12:17 AM	
Surr: Bromofluorobenzene (FID)		72.8	56-137	%REC	1	5/19/2010 12:17 AM	

## VOLATILE ORGANIC COMPOUNDS BY GC/MS

### EPA 8260B

RunID:	MS4_100520A	QC Batch:	K10VS116	PrepDate:		Analyst:	BD
1,2-Dibromoethane		ND	5.0	µg/Kg	1	5/20/2010 12:38 PM	
1,2-Dichloroethane		ND	5.0	µg/Kg	1	5/20/2010 12:38 PM	
Benzene		ND	5.0	µg/Kg	1	5/20/2010 12:38 PM	
Di-isopropyl ether		ND	5.0	µg/Kg	1	5/20/2010 12:38 PM	
Ethyl Tert-butyl ether		ND	5.0	µg/Kg	1	5/20/2010 12:38 PM	
Ethylbenzene		ND	5.0	µg/Kg	1	5/20/2010 12:38 PM	
m,p-Xylene		ND	10	µg/Kg	1	5/20/2010 12:38 PM	
MTBE		ND	5.0	µg/Kg	1	5/20/2010 12:38 PM	
o-Xylene		ND	5.0	µg/Kg	1	5/20/2010 12:38 PM	
Tert-amyl methyl ether		ND	5.0	µg/Kg	1	5/20/2010 12:38 PM	
Tert-Butanol		ND	100	µg/Kg	1	5/20/2010 12:38 PM	
Toluene		ND	5.0	µg/Kg	1	5/20/2010 12:38 PM	
Surr: 1,2-Dichloroethane-d4		97.7	70-130	%REC	1	5/20/2010 12:38 PM	
Surr: 4-Bromofluorobenzene		99.4	70-130	%REC	1	5/20/2010 12:38 PM	
Surr: Dibromofluoromethane		100	70-130	%REC	1	5/20/2010 12:38 PM	
Surr: Toluene-d8		97.6	70-130	%REC	1	5/20/2010 12:38 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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**ANALYTICAL RESULTS**

Print Date: 21-May-10

**CLIENT:** Ninyo & Moore  
**Lab Order:** 111760  
**Project:** 925 Stanford Ave, 401559002  
**Lab ID:** 111760-017A

**Client Sample ID:** B-5-6.0-6.5  
**Collection Date:** 5/12/2010 2:55:00 PM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B(M)**

RunID: GC16_100519D	QC Batch: 64217				PrepDate: 5/19/2010	Analyst: <b>CBR</b>
DRO	1.7	1.0		mg/Kg	1	5/19/2010 11:54 PM
ORO	ND	1.0		mg/Kg	1	5/19/2010 11:54 PM
Surr: p-Terphenyl	69.9	30-128		%REC	1	5/19/2010 11:54 PM

**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B(M)**

RunID: GC2_100518A	QC Batch: E10VS125				PrepDate:	Analyst: <b>DDL</b>
GRO	ND	1.0		mg/Kg	1	5/18/2010 03:23 PM
Surr: Bromofluorobenzene (FID)	93.7	56-137		%REC	1	5/18/2010 03:23 PM

**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS4_100518A	QC Batch: K10VS114				PrepDate:	Analyst: <b>TT</b>
1,2-Dibromoethane	ND	5.0		µg/Kg	1	5/19/2010 01:59 AM
1,2-Dichloroethane	ND	5.0		µg/Kg	1	5/19/2010 01:59 AM
Benzene	ND	5.0		µg/Kg	1	5/19/2010 01:59 AM
Di-isopropyl ether	ND	5.0		µg/Kg	1	5/19/2010 01:59 AM
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	5/19/2010 01:59 AM
Ethylbenzene	ND	5.0		µg/Kg	1	5/19/2010 01:59 AM
m,p-Xylene	ND	10		µg/Kg	1	5/19/2010 01:59 AM
MTBE	ND	5.0		µg/Kg	1	5/19/2010 01:59 AM
o-Xylene	ND	5.0		µg/Kg	1	5/19/2010 01:59 AM
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	5/19/2010 01:59 AM
Tert-Butanol	ND	100		µg/Kg	1	5/19/2010 01:59 AM
Toluene	ND	5.0		µg/Kg	1	5/19/2010 01:59 AM
Surr: 1,2-Dichloroethane-d4	92.5	70-130		%REC	1	5/19/2010 01:59 AM
Surr: 4-Bromofluorobenzene	86.9	70-130		%REC	1	5/19/2010 01:59 AM
Surr: Dibromofluoromethane	94.7	70-130		%REC	1	5/19/2010 01:59 AM
Surr: Toluene-d8	98.9	70-130		%REC	1	5/19/2010 01:59 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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# ANALYTICAL RESULTS

Print Date: 21-May-10

**CLIENT:** Ninyo & Moore  
**Lab Order:** 111760  
**Project:** 925 Stanford Ave, 401559002  
**Lab ID:** 111760-018A

**Client Sample ID:** B-5-8.0-8.5  
**Collection Date:** 5/12/2010 3:05:00 PM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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## DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID

### EPA 3550B

### EPA 8015B(M)

RunID: GC16_100519D	QC Batch: 64217				PrepDate: 5/19/2010	Analyst: CBR
DRO	ND	1.0		mg/Kg	1	5/20/2010 12:03 AM
ORO	ND	1.0		mg/Kg	1	5/20/2010 12:03 AM
Surr: p-Terphenyl	70.7	30-128		%REC	1	5/20/2010 12:03 AM

## GASOLINE RANGE ORGANICS BY GC/FID

### EPA 8015B(M)

RunID: GC2_100518A	QC Batch: E10VS125				PrepDate:	Analyst: DDL
GRO	ND	1.0		mg/Kg	1	5/18/2010 03:37 PM
Surr: Bromofluorobenzene (FID)	89.8	56-137		%REC	1	5/18/2010 03:37 PM

## VOLATILE ORGANIC COMPOUNDS BY GC/MS

### EPA 8260B

RunID: MS5_100518B	QC Batch: T10VS092				PrepDate:	Analyst: TT
1,2-Dibromoethane	ND	5.0		µg/Kg	1	5/19/2010 04:35 AM
1,2-Dichloroethane	ND	5.0		µg/Kg	1	5/19/2010 04:35 AM
Benzene	ND	5.0		µg/Kg	1	5/19/2010 04:35 AM
Di-isopropyl ether	ND	5.0		µg/Kg	1	5/19/2010 04:35 AM
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	5/19/2010 04:35 AM
Ethylbenzene	ND	5.0		µg/Kg	1	5/19/2010 04:35 AM
m,p-Xylene	ND	10		µg/Kg	1	5/19/2010 04:35 AM
MTBE	ND	5.0		µg/Kg	1	5/19/2010 04:35 AM
o-Xylene	ND	5.0		µg/Kg	1	5/19/2010 04:35 AM
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	5/19/2010 04:35 AM
Tert-Butanol	ND	100		µg/Kg	1	5/19/2010 04:35 AM
Toluene	ND	5.0		µg/Kg	1	5/19/2010 04:35 AM
Surr: 1,2-Dichloroethane-d4	106	70-130		%REC	1	5/19/2010 04:35 AM
Surr: 4-Bromofluorobenzene	101	70-130		%REC	1	5/19/2010 04:35 AM
Surr: Dibromofluoromethane	112	70-130		%REC	1	5/19/2010 04:35 AM
Surr: Toluene-d8	121	70-130		%REC	1	5/19/2010 04:35 AM

**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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# ANALYTICAL RESULTS

Print Date: 21-May-10

**CLIENT:** Ninyo & Moore  
**Lab Order:** 111760  
**Project:** 925 Stanford Ave, 401559002  
**Lab ID:** 111760-019A

**Client Sample ID:** B-6-7.0-7.5  
**Collection Date:** 5/12/2010 4:00:00 PM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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## DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID

### EPA 3550B

### EPA 8015B(M)

RunID: GC16_100519D	QC Batch: 64217				PrepDate: 5/19/2010	Analyst: CBR
DRO	7.1	1.0		mg/Kg	1	5/20/2010 12:12 AM
ORO	3.9	1.0		mg/Kg	1	5/20/2010 12:12 AM
Surr: p-Terphenyl	59.8	30-128		%REC	1	5/20/2010 12:12 AM

## GASOLINE RANGE ORGANICS BY GC/FID

### EPA 8015B(M)

RunID: GC2_100518A	QC Batch: E10VS125				PrepDate:	Analyst: DDL
GRO	ND	1.0		mg/Kg	1	5/18/2010 03:52 PM
Surr: Bromofluorobenzene (FID)	91.9	56-137		%REC	1	5/18/2010 03:52 PM

## VOLATILE ORGANIC COMPOUNDS BY GC/MS

### EPA 8260B

RunID: MS5_100518B	QC Batch: T10VS092				PrepDate:	Analyst: TT
1,2-Dibromoethane	ND	5.0		µg/Kg	1	5/19/2010 04:58 AM
1,2-Dichloroethane	ND	5.0		µg/Kg	1	5/19/2010 04:58 AM
Benzene	ND	5.0		µg/Kg	1	5/19/2010 04:58 AM
Di-isopropyl ether	ND	5.0		µg/Kg	1	5/19/2010 04:58 AM
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	5/19/2010 04:58 AM
Ethylbenzene	ND	5.0		µg/Kg	1	5/19/2010 04:58 AM
m,p-Xylene	ND	10		µg/Kg	1	5/19/2010 04:58 AM
MTBE	ND	5.0		µg/Kg	1	5/19/2010 04:58 AM
o-Xylene	ND	5.0		µg/Kg	1	5/19/2010 04:58 AM
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	5/19/2010 04:58 AM
Tert-Butanol	ND	100		µg/Kg	1	5/19/2010 04:58 AM
Toluene	ND	5.0		µg/Kg	1	5/19/2010 04:58 AM
Surr: 1,2-Dichloroethane-d4	97.8	70-130		%REC	1	5/19/2010 04:58 AM
Surr: 4-Bromofluorobenzene	100	70-130		%REC	1	5/19/2010 04:58 AM
Surr: Dibromofluoromethane	108	70-130		%REC	1	5/19/2010 04:58 AM
Surr: Toluene-d8	116	70-130		%REC	1	5/19/2010 04:58 AM

**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**

**ANALYTICAL RESULTS**

Print Date: 21-May-10

**CLIENT:** Ninyo & Moore  
**Lab Order:** 111760  
**Project:** 925 Stanford Ave, 401559002  
**Lab ID:** 111760-020A

**Client Sample ID:** B-6-15.0-15.5  
**Collection Date:** 5/12/2010 4:20:00 PM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3550B**

**EPA 8015B(M)**

RunID: GC16_100519D	QC Batch: 64217				PrepDate: 5/19/2010	Analyst: <b>CBR</b>
DRO	38	1.0		mg/Kg	1	5/20/2010 12:21 AM
ORO	12	1.0		mg/Kg	1	5/20/2010 12:21 AM
Surr: p-Terphenyl	66.2	30-128		%REC	1	5/20/2010 12:21 AM

**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B(M)**

RunID: GC2_100518A	QC Batch: E10VS125				PrepDate:	Analyst: <b>DDL</b>
GRO	2.4	1.0		mg/Kg	1	5/18/2010 04:07 PM
Surr: Bromofluorobenzene (FID)	65.6	56-137		%REC	1	5/18/2010 04:07 PM

**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS5_100518B	QC Batch: T10VS092				PrepDate:	Analyst: <b>TT</b>
1,2-Dibromoethane	ND	5.0		µg/Kg	1	5/19/2010 05:21 AM
1,2-Dichloroethane	ND	5.0		µg/Kg	1	5/19/2010 05:21 AM
Benzene	ND	5.0		µg/Kg	1	5/19/2010 05:21 AM
Di-isopropyl ether	ND	5.0		µg/Kg	1	5/19/2010 05:21 AM
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	5/19/2010 05:21 AM
Ethylbenzene	ND	5.0		µg/Kg	1	5/19/2010 05:21 AM
m,p-Xylene	ND	10		µg/Kg	1	5/19/2010 05:21 AM
MTBE	ND	5.0		µg/Kg	1	5/19/2010 05:21 AM
o-Xylene	ND	5.0		µg/Kg	1	5/19/2010 05:21 AM
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	5/19/2010 05:21 AM
Tert-Butanol	ND	100		µg/Kg	1	5/19/2010 05:21 AM
Toluene	ND	5.0		µg/Kg	1	5/19/2010 05:21 AM
Surr: 1,2-Dichloroethane-d4	99.0	70-130		%REC	1	5/19/2010 05:21 AM
Surr: 4-Bromofluorobenzene	113	70-130		%REC	1	5/19/2010 05:21 AM
Surr: Dibromofluoromethane	110	70-130		%REC	1	5/19/2010 05:21 AM
Surr: Toluene-d8	118	70-130		%REC	1	5/19/2010 05:21 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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# ANALYTICAL RESULTS

Print Date: 21-May-10

**CLIENT:** Ninyo & Moore  
**Lab Order:** 111760  
**Project:** 925 Stanford Ave, 401559002  
**Lab ID:** 111760-021A

**Client Sample ID:** B-6-18.0-18.5  
**Collection Date:** 5/12/2010 4:35:00 PM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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## DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID

### EPA 3550B

### EPA 8015B(M)

RunID: GC16_100519D	QC Batch: 64217				PrepDate: 5/19/2010	Analyst: CBR
DRO	ND	1.0		mg/Kg	1	5/20/2010 12:30 AM
ORO	ND	1.0		mg/Kg	1	5/20/2010 12:30 AM
Surr: p-Terphenyl	93.3	30-128		%REC	1	5/20/2010 12:30 AM

## GASOLINE RANGE ORGANICS BY GC/FID

### EPA 8015B(M)

RunID: GC2_100518B	QC Batch: E10VS126				PrepDate:	Analyst: DDL
GRO	ND	1.0		mg/Kg	1	5/18/2010 11:48 PM
Surr: Bromofluorobenzene (FID)	87.6	56-137		%REC	1	5/18/2010 11:48 PM

## VOLATILE ORGANIC COMPOUNDS BY GC/MS

### EPA 8260B

RunID: MS4_100520A	QC Batch: K10VS116				PrepDate:	Analyst: BD
1,2-Dibromoethane	ND	5.0		µg/Kg	1	5/20/2010 12:04 PM
1,2-Dichloroethane	ND	5.0		µg/Kg	1	5/20/2010 12:04 PM
Benzene	ND	5.0		µg/Kg	1	5/20/2010 12:04 PM
Di-isopropyl ether	ND	5.0		µg/Kg	1	5/20/2010 12:04 PM
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	5/20/2010 12:04 PM
Ethylbenzene	ND	5.0		µg/Kg	1	5/20/2010 12:04 PM
m,p-Xylene	ND	10		µg/Kg	1	5/20/2010 12:04 PM
MTBE	ND	5.0		µg/Kg	1	5/20/2010 12:04 PM
o-Xylene	ND	5.0		µg/Kg	1	5/20/2010 12:04 PM
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	5/20/2010 12:04 PM
Tert-Butanol	ND	100		µg/Kg	1	5/20/2010 12:04 PM
Toluene	ND	5.0		µg/Kg	1	5/20/2010 12:04 PM
Surr: 1,2-Dichloroethane-d4	97.3	70-130		%REC	1	5/20/2010 12:04 PM
Surr: 4-Bromofluorobenzene	92.0	70-130		%REC	1	5/20/2010 12:04 PM
Surr: Dibromofluoromethane	101	70-130		%REC	1	5/20/2010 12:04 PM
Surr: Toluene-d8	96.9	70-130		%REC	1	5/20/2010 12:04 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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# ANALYTICAL RESULTS

Print Date: 21-May-10

**CLIENT:** Ninyo & Moore  
**Lab Order:** 111760  
**Project:** 925 Stanford Ave, 401559002  
**Lab ID:** 111760-022A

**Client Sample ID:** B-7-7.5-8.0  
**Collection Date:** 5/12/2010 4:45:00 PM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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### DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID

#### EPA 3550B

#### EPA 8015B(M)

RunID: GC16_100519D	QC Batch: 64217				PrepDate: 5/19/2010	Analyst: CBR
DRO	15	1.0		mg/Kg	1	5/20/2010 01:16 AM
ORO	5.8	1.0		mg/Kg	1	5/20/2010 01:16 AM
Surr: p-Terphenyl	55.4	30-128		%REC	1	5/20/2010 01:16 AM

### GASOLINE RANGE ORGANICS BY GC/FID

#### EPA 8015B(M)

RunID: GC2_100519A	QC Batch: E10VS128				PrepDate:	Analyst: DDL
GRO	1.0	1.0		mg/Kg	1	5/19/2010 01:37 PM
Surr: Bromofluorobenzene (FID)	91.8	56-137		%REC	1	5/19/2010 01:37 PM

### VOLATILE ORGANIC COMPOUNDS BY GC/MS

#### EPA 8260B

RunID: MS4_100518A	QC Batch: K10VS114				PrepDate:	Analyst: TT
1,2-Dibromoethane	ND	5.0		µg/Kg	1	5/19/2010 02:15 AM
1,2-Dichloroethane	ND	5.0		µg/Kg	1	5/19/2010 02:15 AM
Benzene	ND	5.0		µg/Kg	1	5/19/2010 02:15 AM
Di-isopropyl ether	ND	5.0		µg/Kg	1	5/19/2010 02:15 AM
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	5/19/2010 02:15 AM
Ethylbenzene	ND	5.0		µg/Kg	1	5/19/2010 02:15 AM
m,p-Xylene	ND	10		µg/Kg	1	5/19/2010 02:15 AM
MTBE	ND	5.0		µg/Kg	1	5/19/2010 02:15 AM
o-Xylene	ND	5.0		µg/Kg	1	5/19/2010 02:15 AM
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	5/19/2010 02:15 AM
Tert-Butanol	ND	100		µg/Kg	1	5/19/2010 02:15 AM
Toluene	ND	5.0		µg/Kg	1	5/19/2010 02:15 AM
Surr: 1,2-Dichloroethane-d4	95.8	70-130		%REC	1	5/19/2010 02:15 AM
Surr: 4-Bromofluorobenzene	104	70-130		%REC	1	5/19/2010 02:15 AM
Surr: Dibromofluoromethane	97.1	70-130		%REC	1	5/19/2010 02:15 AM
Surr: Toluene-d8	96.5	70-130		%REC	1	5/19/2010 02:15 AM

**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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# ANALYTICAL RESULTS

Print Date: 21-May-10

**CLIENT:** Ninyo & Moore  
**Lab Order:** 111760  
**Project:** 925 Stanford Ave, 401559002  
**Lab ID:** 111760-023A

**Client Sample ID:** B-7-14.0-14.5  
**Collection Date:** 5/12/2010 5:10:00 PM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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## DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID

### EPA 3550B

### EPA 8015B(M)

RunID: GC16_100519D	QC Batch: 64217				PrepDate: 5/19/2010	Analyst: CBR
DRO	400	10		mg/Kg	10	5/20/2010 10:27 AM
ORO	90	10		mg/Kg	10	5/20/2010 10:27 AM
Surr: p-Terphenyl	0	30-128	SDO	%REC	10	5/20/2010 10:27 AM

## GASOLINE RANGE ORGANICS BY GC/FID

### EPA 8015B(M)

RunID: GC2_100518B	QC Batch: E10VS126				PrepDate:	Analyst: DDL
GRO	65	5.0		mg/Kg	5	5/19/2010 12:02 AM
Surr: Bromofluorobenzene (FID)	108	56-137		%REC	5	5/19/2010 12:02 AM

## VOLATILE ORGANIC COMPOUNDS BY GC/MS

### EPA 8260B

RunID: MS5_100518B	QC Batch: T10VS092				PrepDate:	Analyst: TT
1,2-Dibromoethane	ND	5.0		µg/Kg	1	5/19/2010 05:43 AM
1,2-Dichloroethane	ND	5.0		µg/Kg	1	5/19/2010 05:43 AM
Benzene	ND	5.0		µg/Kg	1	5/19/2010 05:43 AM
Di-isopropyl ether	ND	5.0		µg/Kg	1	5/19/2010 05:43 AM
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	5/19/2010 05:43 AM
Ethylbenzene	ND	5.0		µg/Kg	1	5/19/2010 05:43 AM
m,p-Xylene	ND	10		µg/Kg	1	5/19/2010 05:43 AM
MTBE	ND	5.0		µg/Kg	1	5/19/2010 05:43 AM
o-Xylene	ND	5.0		µg/Kg	1	5/19/2010 05:43 AM
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	5/19/2010 05:43 AM
Tert-Butanol	ND	100		µg/Kg	1	5/19/2010 05:43 AM
Toluene	ND	5.0		µg/Kg	1	5/19/2010 05:43 AM
Surr: 1,2-Dichloroethane-d4	91.2	70-130		%REC	1	5/19/2010 05:43 AM
Surr: 4-Bromofluorobenzene	410	70-130	S	%REC	1	5/19/2010 05:43 AM
Surr: Dibromofluoromethane	101	70-130		%REC	1	5/19/2010 05:43 AM
Surr: Toluene-d8	135	70-130	S	%REC	1	5/19/2010 05:43 AM

**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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# ANALYTICAL RESULTS

Print Date: 21-May-10

**CLIENT:** Ninyo & Moore  
**Lab Order:** 111760  
**Project:** 925 Stanford Ave, 401559002  
**Lab ID:** 111760-024A

**Client Sample ID:** B-7-19.0-19.5  
**Collection Date:** 5/12/2010 5:25:00 PM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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## DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID

### EPA 3550B

### EPA 8015B(M)

RunID: GC16_100519D	QC Batch: 64217				PrepDate: 5/19/2010	Analyst: CBR
DRO	ND	1.0		mg/Kg	1	5/20/2010 12:39 AM
ORO	ND	1.0		mg/Kg	1	5/20/2010 12:39 AM
Surr: p-Terphenyl	68.6	30-128		%REC	1	5/20/2010 12:39 AM

## GASOLINE RANGE ORGANICS BY GC/FID

### EPA 8015B(M)

RunID: GC2_100518B	QC Batch: E10VS126				PrepDate:	Analyst: DDL
GRO	ND	1.0		mg/Kg	1	5/19/2010 01:01 AM
Surr: Bromofluorobenzene (FID)	91.4	56-137		%REC	1	5/19/2010 01:01 AM

## VOLATILE ORGANIC COMPOUNDS BY GC/MS

### EPA 8260B

RunID: MS5_100518B	QC Batch: T10VS092				PrepDate:	Analyst: TT
1,2-Dibromoethane	ND	5.0		µg/Kg	1	5/19/2010 06:06 AM
1,2-Dichloroethane	ND	5.0		µg/Kg	1	5/19/2010 06:06 AM
Benzene	ND	5.0		µg/Kg	1	5/19/2010 06:06 AM
Di-isopropyl ether	ND	5.0		µg/Kg	1	5/19/2010 06:06 AM
Ethyl Tert-butyl ether	ND	5.0		µg/Kg	1	5/19/2010 06:06 AM
Ethylbenzene	ND	5.0		µg/Kg	1	5/19/2010 06:06 AM
m,p-Xylene	ND	10		µg/Kg	1	5/19/2010 06:06 AM
MTBE	ND	5.0		µg/Kg	1	5/19/2010 06:06 AM
o-Xylene	ND	5.0		µg/Kg	1	5/19/2010 06:06 AM
Tert-amyl methyl ether	ND	5.0		µg/Kg	1	5/19/2010 06:06 AM
Tert-Butanol	ND	100		µg/Kg	1	5/19/2010 06:06 AM
Toluene	ND	5.0		µg/Kg	1	5/19/2010 06:06 AM
Surr: 1,2-Dichloroethane-d4	93.2	70-130		%REC	1	5/19/2010 06:06 AM
Surr: 4-Bromofluorobenzene	104	70-130		%REC	1	5/19/2010 06:06 AM
Surr: Dibromofluoromethane	108	70-130		%REC	1	5/19/2010 06:06 AM
Surr: Toluene-d8	118	70-130		%REC	1	5/19/2010 06:06 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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**ANALYTICAL RESULTS**  
 Print Date: 21-May-10

<b>CLIENT:</b> Ninyo & Moore	<b>Client Sample ID:</b> B-6-GW
<b>Lab Order:</b> 111760	<b>Collection Date:</b> 5/13/2010 8:20:00 AM
<b>Project:</b> 925 Stanford Ave, 401559002	<b>Matrix:</b> GROUNDWATER
<b>Lab ID:</b> 111760-025A	

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS11_100518A	QC Batch: A10VW112	PrepDate:	Analyst: <b>SLL</b>		
1,2-Dibromoethane	ND	1.0	µg/L	2	5/18/2010 11:06 AM
1,2-Dichloroethane	ND	1.0	µg/L	2	5/18/2010 11:06 AM
Benzene	ND	1.0	µg/L	2	5/18/2010 11:06 AM
Di-isopropyl ether	ND	1.0	µg/L	2	5/18/2010 11:06 AM
Ethyl tert-butyl ether	ND	1.0	µg/L	2	5/18/2010 11:06 AM
Ethylbenzene	ND	1.0	µg/L	2	5/18/2010 11:06 AM
m,p-Xylene	ND	2.0	µg/L	2	5/18/2010 11:06 AM
MTBE	ND	1.0	µg/L	2	5/18/2010 11:06 AM
o-Xylene	ND	1.0	µg/L	2	5/18/2010 11:06 AM
Tert-amyl methyl ether	ND	1.0	µg/L	2	5/18/2010 11:06 AM
Tert-Butanol	ND	20	µg/L	2	5/18/2010 11:06 AM
Toluene	ND	1.0	µg/L	2	5/18/2010 11:06 AM
Surr: 1,2-Dichloroethane-d4	115	70-130	%REC	2	5/18/2010 11:06 AM
Surr: 4-Bromofluorobenzene	92.8	70-130	%REC	2	5/18/2010 11:06 AM
Surr: Dibromofluoromethane	100	70-130	%REC	2	5/18/2010 11:06 AM
Surr: Toluene-d8	99.7	70-130	%REC	2	5/18/2010 11:06 AM

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected 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 RESULTS**  
Print Date: 21-May-10

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<b>CLIENT:</b> Ninyo & Moore	<b>Client Sample ID:</b> B-6-GW
<b>Lab Order:</b> 111760	<b>Collection Date:</b> 5/13/2010 8:20:00 AM
<b>Project:</b> 925 Stanford Ave, 401559002	<b>Matrix:</b> GROUNDWATER
<b>Lab ID:</b> 111760-025B	

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<b>Analyses</b>	<b>Result</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
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**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B(M)**

RunID: GC19_100517A	QC Batch: M10VW018	PrepDate:	Analyst: <b>CL</b>		
GRO	0.61	0.050	mg/L	1	5/17/2010 08:01 PM
Surr: Bromofluorobenzene (FID)	107	70-130	%REC	1	5/17/2010 08:01 PM

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<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected 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 RESULTS**  
Print Date: 21-May-10

**CLIENT:** Ninyo & Moore  
**Lab Order:** 111760  
**Project:** 925 Stanford Ave, 401559002  
**Lab ID:** 111760-025C

**Client Sample ID:** B-6-GW  
**Collection Date:** 5/13/2010 8:20:00 AM  
**Matrix:** GROUNDWATER

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Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3510C**

**EPA 8015B(M)**

RunID: GC16_100519B	QC Batch: 64185				PrepDate: 5/18/2010	Analyst: <b>CBR</b>
DRO	2.3	0.050		mg/L	1	5/19/2010 04:55 PM
ORO	0.54	0.050		mg/L	1	5/19/2010 04:55 PM
Surr: p-Terphenyl	94.2	36-126		%REC	1	5/19/2010 04:55 PM

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<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected 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 RESULTS**  
 Print Date: 21-May-10

<b>CLIENT:</b> Ninyo & Moore	<b>Client Sample ID:</b> B-7-GW
<b>Lab Order:</b> 111760	<b>Collection Date:</b> 5/13/2010 8:40:00 AM
<b>Project:</b> 925 Stanford Ave, 401559002	<b>Matrix:</b> GROUNDWATER
<b>Lab ID:</b> 111760-026A	

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID: MS11_100518A	QC Batch: A10VW112	PrepDate:	Analyst: <b>SLL</b>		
1,2-Dibromoethane	ND	5.0	µg/L	10	5/18/2010 11:27 AM
1,2-Dichloroethane	ND	5.0	µg/L	10	5/18/2010 11:27 AM
Benzene	ND	5.0	µg/L	10	5/18/2010 11:27 AM
Di-isopropyl ether	ND	5.0	µg/L	10	5/18/2010 11:27 AM
Ethyl tert-butyl ether	ND	5.0	µg/L	10	5/18/2010 11:27 AM
Ethylbenzene	ND	5.0	µg/L	10	5/18/2010 11:27 AM
m,p-Xylene	ND	10	µg/L	10	5/18/2010 11:27 AM
MTBE	ND	5.0	µg/L	10	5/18/2010 11:27 AM
o-Xylene	ND	5.0	µg/L	10	5/18/2010 11:27 AM
Tert-amyl methyl ether	ND	5.0	µg/L	10	5/18/2010 11:27 AM
Tert-Butanol	ND	100	µg/L	10	5/18/2010 11:27 AM
Toluene	ND	5.0	µg/L	10	5/18/2010 11:27 AM
Surr: 1,2-Dichloroethane-d4	107	70-130	%REC	10	5/18/2010 11:27 AM
Surr: 4-Bromofluorobenzene	96.8	70-130	%REC	10	5/18/2010 11:27 AM
Surr: Dibromofluoromethane	101	70-130	%REC	10	5/18/2010 11:27 AM
Surr: Toluene-d8	99.9	70-130	%REC	10	5/18/2010 11:27 AM

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected 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 RESULTS**  
 Print Date: 21-May-10

**CLIENT:** Ninyo & Moore  
**Lab Order:** 111760  
**Project:** 925 Stanford Ave, 401559002  
**Lab ID:** 111760-026B

**Client Sample ID:** B-7-GW  
**Collection Date:** 5/13/2010 8:40:00 AM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B(M)**

RunID: GC19_100517A	QC Batch: M10VW018	PrepDate:	Analyst: <b>CL</b>		
GRO	2.5	0.050	mg/L	1	5/17/2010 08:20 PM
Surr: Bromofluorobenzene (FID)	115	70-130	%REC	1	5/17/2010 08:20 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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**ANALYTICAL RESULTS**  
 Print Date: 21-May-10

**CLIENT:** Ninyo & Moore  
**Lab Order:** 111760  
**Project:** 925 Stanford Ave, 401559002  
**Lab ID:** 111760-026C

**Client Sample ID:** B-7-GW  
**Collection Date:** 5/13/2010 8:40:00 AM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL &amp; MOTOR OIL RANGE ORGANICS BY GC/FID</b>						
	<b>EPA 3510C</b>		<b>EPA 8015B(M)</b>			
RunID: GC16_100519B	QC Batch: 64185				PrepDate: 5/18/2010	Analyst: <b>CBR</b>
DRO	2.5	0.050		mg/L	1	5/19/2010 05:04 PM
ORO	0.56	0.050		mg/L	1	5/19/2010 05:04 PM
Surr: p-Terphenyl	94.7	36-126		%REC	1	5/19/2010 05:04 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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**ANALYTICAL RESULTS**

Print Date: 21-May-10

**CLIENT:** Ninyo & Moore  
**Lab Order:** 111760  
**Project:** 925 Stanford Ave, 401559002  
**Lab ID:** 111760-027A

**Client Sample ID:** B-5-GW  
**Collection Date:** 5/12/2010 3:25:00 PM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**VOLATILE ORGANIC COMPOUNDS BY GC/MS**

**EPA 8260B**

RunID:	MS11_100517A	QC Batch:	A10VW111	PrepDate:	Analyst:	SLL
1,2-Dibromoethane	ND	0.50	µg/L	1	5/17/2010 04:51 PM	
1,2-Dichloroethane	ND	0.50	µg/L	1	5/17/2010 04:51 PM	
Benzene	ND	0.50	µg/L	1	5/17/2010 04:51 PM	
Di-isopropyl ether	ND	0.50	µg/L	1	5/17/2010 04:51 PM	
Ethyl tert-butyl ether	ND	0.50	µg/L	1	5/17/2010 04:51 PM	
Ethylbenzene	ND	0.50	µg/L	1	5/17/2010 04:51 PM	
m,p-Xylene	ND	1.0	µg/L	1	5/17/2010 04:51 PM	
MTBE	ND	0.50	µg/L	1	5/17/2010 04:51 PM	
o-Xylene	ND	0.50	µg/L	1	5/17/2010 04:51 PM	
Tert-amyl methyl ether	ND	0.50	µg/L	1	5/17/2010 04:51 PM	
Tert-Butanol	ND	10	µg/L	1	5/17/2010 04:51 PM	
Toluene	ND	0.50	µg/L	1	5/17/2010 04:51 PM	
Surr: 1,2-Dichloroethane-d4	109	70-130	%REC	1	5/17/2010 04:51 PM	
Surr: 4-Bromofluorobenzene	97.6	70-130	%REC	1	5/17/2010 04:51 PM	
Surr: Dibromofluoromethane	106	70-130	%REC	1	5/17/2010 04:51 PM	
Surr: Toluene-d8	103	70-130	%REC	1	5/17/2010 04:51 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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**ANALYTICAL RESULTS**  
Print Date: 21-May-10

**CLIENT:** Ninyo & Moore  
**Lab Order:** 111760  
**Project:** 925 Stanford Ave, 401559002  
**Lab ID:** 111760-027B

**Client Sample ID:** B-5-GW  
**Collection Date:** 5/12/2010 3:25:00 PM  
**Matrix:** GROUNDWATER

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Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**GASOLINE RANGE ORGANICS BY GC/FID**

**EPA 8015B(M)**

RunID: GC19_100517A	QC Batch: M10VW018	PrepDate:	Analyst: <b>CL</b>		
GRO	0.061	0.050	mg/L	1	5/17/2010 10:19 PM
Surr: Bromofluorobenzene (FID)	105	70-130	%REC	1	5/17/2010 10:19 PM

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<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected 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 RESULTS**

Print Date: 21-May-10

**CLIENT:** Ninyo & Moore  
**Lab Order:** 111760  
**Project:** 925 Stanford Ave, 401559002  
**Lab ID:** 111760-027C

**Client Sample ID:** B-5-GW  
**Collection Date:** 5/12/2010 3:25:00 PM  
**Matrix:** GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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**DIESEL & MOTOR OIL RANGE ORGANICS BY GC/FID**

**EPA 3510C**

**EPA 8015B(M)**

RunID:	GC16_100519B	QC Batch:	64185	PrepDate:	5/18/2010	Analyst:	CBR
DRO		0.57	0.056	mg/L	1		5/19/2010 05:14 PM
ORO		0.35	0.056	mg/L	1		5/19/2010 05:14 PM
Surr: p-Terphenyl		91.4	36-126	%REC	1		5/19/2010 05:14 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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**CLIENT:** Ninyo & Moore  
**Work Order:** 111760  
**Project:** 925 Stanford Ave, 401559002

**ANALYTICAL QC SUMMARY REPORT**

**TestCode: 8015\_S\_DM LL**

Sample ID: <b>LCS-64216</b>	SampType: <b>LCS</b>	TestCode: <b>8015_S_DM L</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/19/2010</b>	RunNo: <b>121352</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>64216</b>	TestNo: <b>EPA 8015B(M EPA 3550B)</b>	Analysis Date: <b>5/20/2010</b>	SeqNo: <b>1939299</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	28.377	1.0	33.00	0	86.0	35	118				
Surr: p-Terphenyl	2.039		2.670		76.4	30	128				

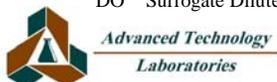
Sample ID: <b>111761-005AMS</b>	SampType: <b>MS</b>	TestCode: <b>8015_S_DM L</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/19/2010</b>	RunNo: <b>121352</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>64216</b>	TestNo: <b>EPA 8015B(M EPA 3550B)</b>	Analysis Date: <b>5/20/2010</b>	SeqNo: <b>1939313</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	23.389	1.0	33.00	3.781	59.4	25	129				
Surr: p-Terphenyl	1.857		2.670		69.5	30	128				

Sample ID: <b>111761-005AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>8015_S_DM L</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/19/2010</b>	RunNo: <b>121352</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>64216</b>	TestNo: <b>EPA 8015B(M EPA 3550B)</b>	Analysis Date: <b>5/20/2010</b>	SeqNo: <b>1939314</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	24.413	1.0	33.00	3.781	62.5	25	129	23.39	4.29	20	
Surr: p-Terphenyl	2.005		2.670		75.1	30	128		0	0	

Sample ID: <b>MB-64216</b>	SampType: <b>MBLK</b>	TestCode: <b>8015_S_DM L</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/19/2010</b>	RunNo: <b>121352</b>						
Client ID: <b>PBS</b>	Batch ID: <b>64216</b>	TestNo: <b>EPA 8015B(M EPA 3550B)</b>	Analysis Date: <b>5/20/2010</b>	SeqNo: <b>1939323</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DRO	ND	1.0									
ORO	ND	1.0									
Surr: p-Terphenyl	1.724		2.670		64.6	30	128				

**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



**CLIENT:** Ninyo & Moore  
**Work Order:** 111760  
**Project:** 925 Stanford Ave, 401559002

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8015\_S\_DM LL**

Sample ID: <b>MB-64217</b>	SampType: <b>MBLK</b>	TestCode: <b>8015_S_DM L</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/19/2010</b>	RunNo: <b>121346</b>						
Client ID: <b>PBS</b>	Batch ID: <b>64217</b>	TestNo: <b>EPA 8015B(M EPA 3550B</b>		Analysis Date: <b>5/19/2010</b>	SeqNo: <b>1939214</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	ND	1.0									
ORO	ND	1.0									
Surr: p-Terphenyl	1.094		2.670		41.0	30	128				

Sample ID: <b>LCS-64217</b>	SampType: <b>LCS</b>	TestCode: <b>8015_S_DM L</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/19/2010</b>	RunNo: <b>121346</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>64217</b>	TestNo: <b>EPA 8015B(M EPA 3550B</b>		Analysis Date: <b>5/19/2010</b>	SeqNo: <b>1939215</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	27.723	1.0	33.00	0	84.0	35	118				
Surr: p-Terphenyl	2.417		2.670		90.5	30	128				

Sample ID: <b>111761-012AMS</b>	SampType: <b>MS</b>	TestCode: <b>8015_S_DM L</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/19/2010</b>	RunNo: <b>121346</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>64217</b>	TestNo: <b>EPA 8015B(M EPA 3550B</b>		Analysis Date: <b>5/20/2010</b>	SeqNo: <b>1939230</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

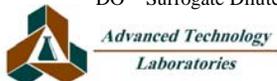
DRO	25.410	1.0	33.00	2.487	69.5	25	129				
Surr: p-Terphenyl	2.043		2.670		76.5	30	128				

Sample ID: <b>111761-012AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>8015_S_DM L</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/19/2010</b>	RunNo: <b>121346</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>64217</b>	TestNo: <b>EPA 8015B(M EPA 3550B</b>		Analysis Date: <b>5/20/2010</b>	SeqNo: <b>1939231</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	19.137	1.0	33.00	2.487	50.5	25	129	25.41	28.2	20	R
Surr: p-Terphenyl	1.601		2.670		60.0	30	128		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   |  |



**CLIENT:** Ninyo & Moore  
**Work Order:** 111760  
**Project:** 925 Stanford Ave, 401559002

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8015\_S\_GAS**

Sample ID: <b>E100517MB2</b>	SampType: <b>MBLK</b>	TestCode: <b>8015_S_GAS</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>121262</b>						
Client ID: <b>PBS</b>	Batch ID: <b>E10VS124</b>	TestNo: <b>EPA 8015B(M)</b>		Analysis Date: <b>5/17/2010</b>	SeqNo: <b>1937241</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	ND	1.0									
Surr: Bromofluorobenzene (FID)	88.037		100.0		88.0	56	137				

Sample ID: <b>111762-006AMS</b>	SampType: <b>MS</b>	TestCode: <b>8015_S_GAS</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>121262</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>E10VS124</b>	TestNo: <b>EPA 8015B(M)</b>		Analysis Date: <b>5/17/2010</b>	SeqNo: <b>1937251</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	4.798	1.0	5.000	0	96.0	40	121				
Surr: Bromofluorobenzene (FID)	92.357		100.0		92.4	56	137				

Sample ID: <b>111762-006AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>8015_S_GAS</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>121262</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>E10VS124</b>	TestNo: <b>EPA 8015B(M)</b>		Analysis Date: <b>5/17/2010</b>	SeqNo: <b>1937252</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	4.375	1.0	5.000	0	87.5	40	121	4.798	9.22	20	
Surr: Bromofluorobenzene (FID)	90.828		100.0		90.8	56	137		0	0	

Sample ID: <b>E100517LCS4</b>	SampType: <b>LCS</b>	TestCode: <b>8015_S_GAS</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>121262</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>E10VS124</b>	TestNo: <b>EPA 8015B(M)</b>		Analysis Date: <b>5/17/2010</b>	SeqNo: <b>1937254</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

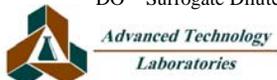
GRO	5.165	1.0	5.000	0	103	70	130				
Surr: Bromofluorobenzene (FID)	93.541		100.0		93.5	56	137				

Sample ID: <b>E100517LCS4D</b>	SampType: <b>LCS4D</b>	TestCode: <b>8015_S_GAS</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>121262</b>						
Client ID: <b>LCSS02</b>	Batch ID: <b>E10VS124</b>	TestNo: <b>EPA 8015B(M)</b>		Analysis Date: <b>5/17/2010</b>	SeqNo: <b>1937256</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	4.943	1.0	5.000	0	98.9	70	130	5.165	4.39	20	
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**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in 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   |  |



**CLIENT:** Ninyo & Moore  
**Work Order:** 111760  
**Project:** 925 Stanford Ave, 401559002

## ANALYTICAL QC SUMMARY REPORT

**TestCode:** 8015\_S\_GAS

Sample ID: <b>E100517LCS4D</b>	SampType: <b>LCSD</b>	TestCode: <b>8015_S_GAS</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>121262</b>						
Client ID: <b>LCSS02</b>	Batch ID: <b>E10VS124</b>	TestNo: <b>EPA 8015B(M)</b>	Analysis Date: <b>5/17/2010</b>	SeqNo: <b>1937256</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Bromofluorobenzene (FID)	100.337		100.0		100	56	137		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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**CLIENT:** Ninyo & Moore  
**Work Order:** 111760  
**Project:** 925 Stanford Ave, 401559002

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8015\_S\_GAS**

Sample ID: <b>E100518LCS2</b>		SampType: <b>LCS</b>		TestCode: <b>8015_S_GAS</b>		Units: <b>mg/Kg</b>		Prep Date:		RunNo: <b>121268</b>		
Client ID: <b>LCSS</b>		Batch ID: <b>E10VS125</b>		TestNo: <b>EPA 8015B(M)</b>		Analysis Date: <b>5/18/2010</b>		SeqNo: <b>1937413</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
GRO	5.049	1.0	5.000	0	101	70	130					
Surr: Bromofluorobenzene (FID)	90.974		100.0		91.0	56	137					

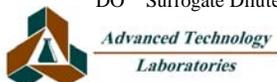
Sample ID: <b>E100518MB1</b>		SampType: <b>MBLK</b>		TestCode: <b>8015_S_GAS</b>		Units: <b>mg/Kg</b>		Prep Date:		RunNo: <b>121268</b>		
Client ID: <b>PBS</b>		Batch ID: <b>E10VS125</b>		TestNo: <b>EPA 8015B(M)</b>		Analysis Date: <b>5/18/2010</b>		SeqNo: <b>1937414</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
GRO	ND	1.0										
Surr: Bromofluorobenzene (FID)	87.690		100.0		87.7	56	137					

Sample ID: <b>111789-001AMS</b>		SampType: <b>MS</b>		TestCode: <b>8015_S_GAS</b>		Units: <b>mg/Kg</b>		Prep Date:		RunNo: <b>121268</b>		
Client ID: <b>ZZZZZ</b>		Batch ID: <b>E10VS125</b>		TestNo: <b>EPA 8015B(M)</b>		Analysis Date: <b>5/18/2010</b>		SeqNo: <b>1937433</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
GRO	5.061	1.0	5.000	0	101	40	121					
Surr: Bromofluorobenzene (FID)	101.883		100.0		102	56	137					

Sample ID: <b>111789-001AMSD</b>		SampType: <b>MSD</b>		TestCode: <b>8015_S_GAS</b>		Units: <b>mg/Kg</b>		Prep Date:		RunNo: <b>121268</b>		
Client ID: <b>ZZZZZ</b>		Batch ID: <b>E10VS125</b>		TestNo: <b>EPA 8015B(M)</b>		Analysis Date: <b>5/18/2010</b>		SeqNo: <b>1937434</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
GRO	4.907	1.0	5.000	0	98.1	40	121	5.061	3.09	20		
Surr: Bromofluorobenzene (FID)	99.672		100.0		99.7	56	137		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   |  |



**CLIENT:** Ninyo & Moore  
**Work Order:** 111760  
**Project:** 925 Stanford Ave, 401559002

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8015\_S\_GAS**

Sample ID: <b>E100518MB2</b>	SampType: <b>MBLK</b>	TestCode: <b>8015_S_GAS</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>121287</b>						
Client ID: <b>PBS</b>	Batch ID: <b>E10VS126</b>	TestNo: <b>EPA 8015B(M)</b>		Analysis Date: <b>5/18/2010</b>	SeqNo: <b>1938050</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	ND	1.0									
Surr: Bromofluorobenzene (FID)	84.784		100.0		84.8	56	137				

Sample ID: <b>111761-010AMS</b>	SampType: <b>MS</b>	TestCode: <b>8015_S_GAS</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>121287</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>E10VS126</b>	TestNo: <b>EPA 8015B(M)</b>		Analysis Date: <b>5/18/2010</b>	SeqNo: <b>1938060</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	4.837	1.0	5.000	0	96.7	40	121				
Surr: Bromofluorobenzene (FID)	92.243		100.0		92.2	56	137				

Sample ID: <b>111761-010AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>8015_S_GAS</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>121287</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>E10VS126</b>	TestNo: <b>EPA 8015B(M)</b>		Analysis Date: <b>5/18/2010</b>	SeqNo: <b>1938061</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	4.672	1.0	5.000	0	93.4	40	121	4.837	3.47	20	
Surr: Bromofluorobenzene (FID)	93.954		100.0		94.0	56	137		0	0	

Sample ID: <b>E100518LCS4</b>	SampType: <b>LCS</b>	TestCode: <b>8015_S_GAS</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>121287</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>E10VS126</b>	TestNo: <b>EPA 8015B(M)</b>		Analysis Date: <b>5/18/2010</b>	SeqNo: <b>1938063</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

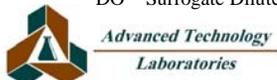
GRO	4.976	1.0	5.000	0	99.5	70	130				
Surr: Bromofluorobenzene (FID)	97.057		100.0		97.1	56	137				

Sample ID: <b>E100518LCS4D</b>	SampType: <b>LCS4D</b>	TestCode: <b>8015_S_GAS</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>121287</b>						
Client ID: <b>LCSS02</b>	Batch ID: <b>E10VS126</b>	TestNo: <b>EPA 8015B(M)</b>		Analysis Date: <b>5/18/2010</b>	SeqNo: <b>1938065</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	4.923	1.0	5.000	0	98.5	70	130	4.976	1.07	20	
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**Qualifiers:**

- |   |  |  |
|---|--|--|
| B Analyte detected in 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   |  |



**CLIENT:** Ninyo & Moore  
**Work Order:** 111760  
**Project:** 925 Stanford Ave, 401559002

## ANALYTICAL QC SUMMARY REPORT

**TestCode:** 8015\_S\_GAS

Sample ID: <b>E100518LCS4D</b>	SampType: <b>LCSD</b>	TestCode: <b>8015_S_GAS</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>121287</b>						
Client ID: <b>LCSS02</b>	Batch ID: <b>E10VS126</b>	TestNo: <b>EPA 8015B(M)</b>	Analysis Date: <b>5/18/2010</b>	SeqNo: <b>1938065</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Bromofluorobenzene (FID)	88.041		100.0		88.0	56	137		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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3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040

**CLIENT:** Ninyo & Moore  
**Work Order:** 111760  
**Project:** 925 Stanford Ave, 401559002

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8015\_S\_GAS**

Sample ID: <b>E100518LCS2</b>	SampType: <b>LCS</b>	TestCode: <b>8015_S_GAS</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>121334</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>E10VS128</b>	TestNo: <b>EPA 8015B(M)</b>	Analysis Date: <b>5/19/2010</b>	SeqNo: <b>1939004</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	5.258	1.0	5.000	0	105	70	130				
Surr: Bromofluorobenzene (FID)	93.965		100.0		94.0	56	137				

Sample ID: <b>E100519MB1</b>	SampType: <b>MBLK</b>	TestCode: <b>8015_S_GAS</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>121334</b>						
Client ID: <b>PBS</b>	Batch ID: <b>E10VS128</b>	TestNo: <b>EPA 8015B(M)</b>	Analysis Date: <b>5/19/2010</b>	SeqNo: <b>1939005</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	ND	1.0									
Surr: Bromofluorobenzene (FID)	88.029		100.0		88.0	56	137				

Sample ID: <b>111763-033AMS</b>	SampType: <b>MS</b>	TestCode: <b>8015_S_GAS</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>121334</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>E10VS128</b>	TestNo: <b>EPA 8015B(M)</b>	Analysis Date: <b>5/19/2010</b>	SeqNo: <b>1939020</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

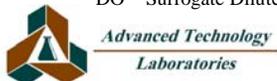
GRO	4.263	1.0	5.000	0	85.3	40	121				
Surr: Bromofluorobenzene (FID)	104.196		100.0		104	56	137				

Sample ID: <b>111763-033AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>8015_S_GAS</b>	Units: <b>mg/Kg</b>	Prep Date:	RunNo: <b>121334</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>E10VS128</b>	TestNo: <b>EPA 8015B(M)</b>	Analysis Date: <b>5/19/2010</b>	SeqNo: <b>1939021</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	4.015	1.0	5.000	0	80.3	40	121	4.263	5.99	20	
Surr: Bromofluorobenzene (FID)	95.093		100.0		95.1	56	137		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   |  |



**CLIENT:** Ninyo & Moore  
**Work Order:** 111760  
**Project:** 925 Stanford Ave, 401559002

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8015\_W\_DM\_LL**

Sample ID: <b>MB-64185</b>	SampType: <b>MBLK</b>	TestCode: <b>8015_W_DM_</b> Units: <b>mg/L</b>	Prep Date: <b>5/18/2010</b>	RunNo: <b>121318</b>							
Client ID: <b>PBW</b>	Batch ID: <b>64185</b>	TestNo: <b>EPA 8015B(M EPA 3510C</b>	Analysis Date: <b>5/19/2010</b>	SeqNo: <b>1938714</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	ND	0.050									
ORO	ND	0.050									
Surr: p-Terphenyl	0.059		0.08000		74.3	36	126				

Sample ID: <b>LCS-64185</b>	SampType: <b>LCS</b>	TestCode: <b>8015_W_DM_</b> Units: <b>mg/L</b>	Prep Date: <b>5/18/2010</b>	RunNo: <b>121318</b>							
Client ID: <b>LCSW</b>	Batch ID: <b>64185</b>	TestNo: <b>EPA 8015B(M EPA 3510C</b>	Analysis Date: <b>5/19/2010</b>	SeqNo: <b>1938715</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	0.764	0.050	1.000	0	76.4	52	128				
Surr: p-Terphenyl	0.059		0.08000		73.6	36	126				

Sample ID: <b>MB-64185MS</b>	SampType: <b>MS</b>	TestCode: <b>8015_W_DM_</b> Units: <b>mg/L</b>	Prep Date: <b>5/18/2010</b>	RunNo: <b>121318</b>							
Client ID: <b>ZZZZZ</b>	Batch ID: <b>64185</b>	TestNo: <b>EPA 8015B(M EPA 3510C</b>	Analysis Date: <b>5/19/2010</b>	SeqNo: <b>1938716</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

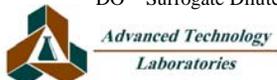
DRO	0.816	0.050	1.000	0	81.6	52	128				
Surr: p-Terphenyl	0.062		0.08000		77.4	36	126				

Sample ID: <b>MB-64185MSD</b>	SampType: <b>MSD</b>	TestCode: <b>8015_W_DM_</b> Units: <b>mg/L</b>	Prep Date: <b>5/18/2010</b>	RunNo: <b>121318</b>							
Client ID: <b>ZZZZZ</b>	Batch ID: <b>64185</b>	TestNo: <b>EPA 8015B(M EPA 3510C</b>	Analysis Date: <b>5/19/2010</b>	SeqNo: <b>1938717</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	0.871	0.050	1.000	0	87.1	52	128	0.8160	6.57	20	
Surr: p-Terphenyl	0.067		0.08000		84.1	36	126		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   |  |



**CLIENT:** Ninyo & Moore  
**Work Order:** 111760  
**Project:** 925 Stanford Ave, 401559002

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8015\_W\_GP LL**

Sample ID: <b>M100517LCS4</b>	SampType: <b>LCS</b>	TestCode: <b>8015_W_GP</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>121270</b>						
Client ID: <b>LCSW</b>	Batch ID: <b>M10VW018</b>	TestNo: <b>EPA 8015B(M)</b>	Analysis Date: <b>5/17/2010</b>	SeqNo: <b>1937539</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	1.045	0.050	1.000	0	104	70	130				
Surr: Bromofluorobenzene (FID)	111.460		100.0		111	70	130				

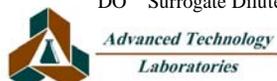
Sample ID: <b>M100517MB1MS</b>	SampType: <b>MS</b>	TestCode: <b>8015_W_GP</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>121270</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>M10VW018</b>	TestNo: <b>EPA 8015B(M)</b>	Analysis Date: <b>5/17/2010</b>	SeqNo: <b>1937541</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	1.029	0.050	1.000	0	103	70	130				
Surr: Bromofluorobenzene (FID)	112.359		100.0		112	70	130				

Sample ID: <b>M100517MB1MSD</b>	SampType: <b>MSD</b>	TestCode: <b>8015_W_GP</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>121270</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>M10VW018</b>	TestNo: <b>EPA 8015B(M)</b>	Analysis Date: <b>5/17/2010</b>	SeqNo: <b>1937542</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	1.067	0.050	1.000	0	107	70	130	1.029	3.63	20	
Surr: Bromofluorobenzene (FID)	112.492		100.0		112	70	130		0	0	

Sample ID: <b>M100517MB1</b>	SampType: <b>MBLK</b>	TestCode: <b>8015_W_GP</b>	Units: <b>mg/L</b>	Prep Date:	RunNo: <b>121270</b>						
Client ID: <b>PBW</b>	Batch ID: <b>M10VW018</b>	TestNo: <b>EPA 8015B(M)</b>	Analysis Date: <b>5/17/2010</b>	SeqNo: <b>1937543</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.050									
Surr: Bromofluorobenzene (FID)	107.357		100.0		107	70	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   |  |



**CLIENT:** Ninyo & Moore  
**Work Order:** 111760  
**Project:** 925 Stanford Ave, 401559002

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260\_S**

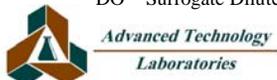
Sample ID: <b>K100518LCS1</b>		SampType: <b>LCS</b>		TestCode: <b>8260_S</b>		Units: <b>µg/Kg</b>		Prep Date:		RunNo: <b>121297</b>		
Client ID: <b>LCSS</b>		Batch ID: <b>K10VS114</b>		TestNo: <b>EPA 8260B</b>				Analysis Date: <b>5/18/2010</b>		SeqNo: <b>1938252</b>		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
1,1-Dichloroethene	48.950	5.0	50.00	0	97.9	70	130					
Benzene	101.880	5.0	100.0	0	102	70	130					
Chlorobenzene	48.250	5.0	50.00	0	96.5	82	130					
MTBE	50.380	5.0	50.00	0	101	70	130					
Toluene	101.760	5.0	100.0	0	102	70	130					
Trichloroethene	52.330	5.0	50.00	0	105	77	130					
Surr: 1,2-Dichloroethane-d4	48.200		50.00		96.4	70	130					
Surr: 4-Bromofluorobenzene	44.590		50.00		89.2	70	130					
Surr: Dibromofluoromethane	50.330		50.00		101	70	130					
Surr: Toluene-d8	49.700		50.00		99.4	70	130					

Sample ID: <b>111709-001AMS</b>		SampType: <b>MS</b>		TestCode: <b>8260_S</b>		Units: <b>µg/Kg</b>		Prep Date:		RunNo: <b>121297</b>		
Client ID: <b>ZZZZZ</b>		Batch ID: <b>K10VS114</b>		TestNo: <b>EPA 8260B</b>				Analysis Date: <b>5/18/2010</b>		SeqNo: <b>1938253</b>		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Benzene	83.410	5.0	100.0	0	83.4	70	130					
MTBE	42.160	5.0	50.00	0	84.3	70	130					
Toluene	80.170	5.0	100.0	0	80.2	70	130					
Surr: 1,2-Dichloroethane-d4	48.690		50.00		97.4	70	130					
Surr: 4-Bromofluorobenzene	47.010		50.00		94.0	70	130					
Surr: Dibromofluoromethane	51.200		50.00		102	70	130					
Surr: Toluene-d8	49.450		50.00		98.9	70	130					

Sample ID: <b>111709-001AMSD</b>		SampType: <b>MSD</b>		TestCode: <b>8260_S</b>		Units: <b>µg/Kg</b>		Prep Date:		RunNo: <b>121297</b>		
Client ID: <b>ZZZZZ</b>		Batch ID: <b>K10VS114</b>		TestNo: <b>EPA 8260B</b>				Analysis Date: <b>5/18/2010</b>		SeqNo: <b>1938254</b>		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Benzene	87.370	5.0	100.0	0	87.4	70	130	83.41	4.64	20		
MTBE	43.880	5.0	50.00	0	87.8	70	130	42.16	4.00	20		
Toluene	84.770	5.0	100.0	0	84.8	70	130	80.17	5.58	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   |  |



**CLIENT:** Ninyo & Moore  
**Work Order:** 111760  
**Project:** 925 Stanford Ave, 401559002

## ANALYTICAL QC SUMMARY REPORT

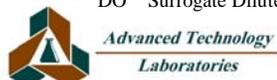
**TestCode: 8260\_S**

Sample ID: <b>111709-001AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>8260_S</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>121297</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>K10VS114</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>5/18/2010</b>	SeqNo: <b>1938254</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	45.350		50.00		90.7	70	130		0	0	
Surr: 4-Bromofluorobenzene	43.600		50.00		87.2	70	130		0	0	
Surr: Dibromofluoromethane	49.080		50.00		98.2	70	130		0	0	
Surr: Toluene-d8	49.110		50.00		98.2	70	130		0	0	

Sample ID: <b>K100518MB2</b>	SampType: <b>MBLK</b>	TestCode: <b>8260_S</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>121297</b>						
Client ID: <b>PBS</b>	Batch ID: <b>K10VS114</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>5/18/2010</b>	SeqNo: <b>1938255</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane	ND	5.0									
1,2-Dichloroethane	ND	5.0									
Benzene	ND	5.0									
Di-isopropyl ether	ND	5.0									
Ethyl Tert-butyl ether	ND	5.0									
Ethylbenzene	ND	5.0									
m,p-Xylene	ND	10									
MTBE	ND	5.0									
o-Xylene	ND	5.0									
Tert-amyl methyl ether	ND	5.0									
Tert-Butanol	ND	100									
Toluene	ND	5.0									
Surr: 1,2-Dichloroethane-d4	48.690		50.00		97.4	70	130				
Surr: 4-Bromofluorobenzene	47.000		50.00		94.0	70	130				
Surr: Dibromofluoromethane	49.420		50.00		98.8	70	130				
Surr: Toluene-d8	49.280		50.00		98.6	70	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   |  |



**CLIENT:** Ninyo & Moore  
**Work Order:** 111760  
**Project:** 925 Stanford Ave, 401559002

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260\_S**

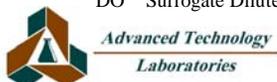
Sample ID: <b>K100520LCS1</b>		SampType: <b>LCS</b>		TestCode: <b>8260_S</b>		Units: <b>µg/Kg</b>		Prep Date:		RunNo: <b>121348</b>		
Client ID: <b>LCSS</b>		Batch ID: <b>K10VS116</b>		TestNo: <b>EPA 8260B</b>				Analysis Date: <b>5/20/2010</b>		SeqNo: <b>1939273</b>		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
1,1-Dichloroethene	51.240	5.0	50.00	0	102	70	130					
Benzene	102.150	5.0	100.0	0	102	70	130					
Chlorobenzene	49.270	5.0	50.00	0	98.5	82	130					
MTBE	52.910	5.0	50.00	0	106	70	130					
Toluene	99.430	5.0	100.0	0	99.4	70	130					
Trichloroethene	53.390	5.0	50.00	0	107	77	130					
Surr: 1,2-Dichloroethane-d4	47.180		50.00		94.4	70	130					
Surr: 4-Bromofluorobenzene	46.570		50.00		93.1	70	130					
Surr: Dibromofluoromethane	47.000		50.00		94.0	70	130					
Surr: Toluene-d8	48.730		50.00		97.5	70	130					

Sample ID: <b>111789-001AMS</b>		SampType: <b>MS</b>		TestCode: <b>8260_S</b>		Units: <b>µg/Kg</b>		Prep Date:		RunNo: <b>121348</b>		
Client ID: <b>ZZZZZ</b>		Batch ID: <b>K10VS116</b>		TestNo: <b>EPA 8260B</b>				Analysis Date: <b>5/20/2010</b>		SeqNo: <b>1939274</b>		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Benzene	100.190	5.0	100.0	0	100	70	130					
MTBE	55.670	5.0	50.00	0	111	70	130					
Toluene	99.260	5.0	100.0	0	99.3	70	130					
Surr: 1,2-Dichloroethane-d4	47.040		50.00		94.1	70	130					
Surr: 4-Bromofluorobenzene	44.060		50.00		88.1	70	130					
Surr: Dibromofluoromethane	49.280		50.00		98.6	70	130					
Surr: Toluene-d8	48.410		50.00		96.8	70	130					

Sample ID: <b>111789-001AMSD</b>		SampType: <b>MSD</b>		TestCode: <b>8260_S</b>		Units: <b>µg/Kg</b>		Prep Date:		RunNo: <b>121348</b>		
Client ID: <b>ZZZZZ</b>		Batch ID: <b>K10VS116</b>		TestNo: <b>EPA 8260B</b>				Analysis Date: <b>5/20/2010</b>		SeqNo: <b>1939275</b>		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Benzene	98.370	5.0	100.0	0	98.4	70	130	100.2	1.83	20		
MTBE	52.470	5.0	50.00	0	105	70	130	55.67	5.92	20		
Toluene	97.440	5.0	100.0	0	97.4	70	130	99.26	1.85	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   |  |



**CLIENT:** Ninyo & Moore  
**Work Order:** 111760  
**Project:** 925 Stanford Ave, 401559002

## ANALYTICAL QC SUMMARY REPORT

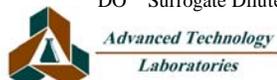
**TestCode: 8260\_S**

Sample ID: <b>111789-001AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>8260_S</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>121348</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>K10VS116</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>5/20/2010</b>	SeqNo: <b>1939275</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	47.340		50.00		94.7	70	130		0	0	
Surr: 4-Bromofluorobenzene	44.810		50.00		89.6	70	130		0	0	
Surr: Dibromofluoromethane	47.950		50.00		95.9	70	130		0	0	
Surr: Toluene-d8	48.830		50.00		97.7	70	130		0	0	

Sample ID: <b>K100520MB2</b>	SampType: <b>MBLK</b>	TestCode: <b>8260_S</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>121348</b>						
Client ID: <b>PBS</b>	Batch ID: <b>K10VS116</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>5/20/2010</b>	SeqNo: <b>1939276</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane	ND	5.0									
1,2-Dichloroethane	ND	5.0									
Benzene	ND	5.0									
Di-isopropyl ether	ND	5.0									
Ethyl Tert-butyl ether	ND	5.0									
Ethylbenzene	ND	5.0									
m,p-Xylene	ND	10									
MTBE	ND	5.0									
o-Xylene	ND	5.0									
Tert-amyl methyl ether	ND	5.0									
Tert-Butanol	ND	100									
Toluene	ND	5.0									
Surr: 1,2-Dichloroethane-d4	47.390		50.00		94.8	70	130				
Surr: 4-Bromofluorobenzene	45.900		50.00		91.8	70	130				
Surr: Dibromofluoromethane	47.590		50.00		95.2	70	130				
Surr: Toluene-d8	51.450		50.00		103	70	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   |  |



**CLIENT:** Ninyo & Moore  
**Work Order:** 111760  
**Project:** 925 Stanford Ave, 401559002

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260\_S**

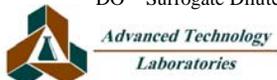
Sample ID: <b>T100518LCS2</b>		SampType: <b>LCS</b>		TestCode: <b>8260_S</b>		Units: <b>µg/Kg</b>		Prep Date:		RunNo: <b>121327</b>		
Client ID: <b>LCSS</b>		Batch ID: <b>T10VS092</b>		TestNo: <b>EPA 8260B</b>				Analysis Date: <b>5/19/2010</b>		SeqNo: <b>1938844</b>		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
1,1-Dichloroethene	44.120	5.0	50.00	0	88.2	70	130					
Benzene	102.990	5.0	100.0	0	103	70	130					
Chlorobenzene	48.680	5.0	50.00	0	97.4	82	130					
MTBE	49.050	5.0	50.00	0	98.1	70	130					
Toluene	107.860	5.0	100.0	0	108	70	130					
Trichloroethene	54.000	5.0	50.00	0	108	77	130					
Surr: 1,2-Dichloroethane-d4	49.220		50.00		98.4	70	130					
Surr: 4-Bromofluorobenzene	52.240		50.00		104	70	130					
Surr: Dibromofluoromethane	55.070		50.00		110	70	130					
Surr: Toluene-d8	58.940		50.00		118	70	130					

Sample ID: <b>T100518MB4MS</b>		SampType: <b>MS</b>		TestCode: <b>8260_S</b>		Units: <b>µg/Kg</b>		Prep Date:		RunNo: <b>121327</b>		
Client ID: <b>ZZZZZ</b>		Batch ID: <b>T10VS092</b>		TestNo: <b>EPA 8260B</b>				Analysis Date: <b>5/19/2010</b>		SeqNo: <b>1938845</b>		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Benzene	107.130	5.0	100.0	0	107	70	130					
MTBE	52.470	5.0	50.00	0	105	70	130					
Toluene	112.920	5.0	100.0	0	113	70	130					
Surr: 1,2-Dichloroethane-d4	48.070		50.00		96.1	70	130					
Surr: 4-Bromofluorobenzene	49.850		50.00		99.7	70	130					
Surr: Dibromofluoromethane	54.850		50.00		110	70	130					
Surr: Toluene-d8	58.430		50.00		117	70	130					

Sample ID: <b>T100518MB4MSD</b>		SampType: <b>MSD</b>		TestCode: <b>8260_S</b>		Units: <b>µg/Kg</b>		Prep Date:		RunNo: <b>121327</b>		
Client ID: <b>ZZZZZ</b>		Batch ID: <b>T10VS092</b>		TestNo: <b>EPA 8260B</b>				Analysis Date: <b>5/19/2010</b>		SeqNo: <b>1938846</b>		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Benzene	107.800	5.0	100.0	0	108	70	130	107.1	0.623	20		
MTBE	52.660	5.0	50.00	0	105	70	130	52.47	0.361	20		
Toluene	112.000	5.0	100.0	0	112	70	130	112.9	0.818	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   |  |



**CLIENT:** Ninyo & Moore  
**Work Order:** 111760  
**Project:** 925 Stanford Ave, 401559002

## ANALYTICAL QC SUMMARY REPORT

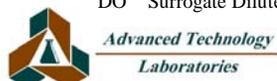
**TestCode: 8260\_S**

Sample ID: <b>T100518MB4MSD</b>	SampType: <b>MSD</b>	TestCode: <b>8260_S</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>121327</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>T10VS092</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>5/19/2010</b>	SeqNo: <b>1938846</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	47.810		50.00		95.6	70	130		0	0	
Surr: 4-Bromofluorobenzene	51.210		50.00		102	70	130		0	0	
Surr: Dibromofluoromethane	54.930		50.00		110	70	130		0	0	
Surr: Toluene-d8	58.990		50.00		118	70	130		0	0	

Sample ID: <b>T100518MB4</b>	SampType: <b>MBLK</b>	TestCode: <b>8260_S</b>	Units: <b>µg/Kg</b>	Prep Date:	RunNo: <b>121327</b>						
Client ID: <b>PBS</b>	Batch ID: <b>T10VS092</b>	TestNo: <b>EPA 8260B</b>		Analysis Date: <b>5/19/2010</b>	SeqNo: <b>1938847</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane	ND	5.0									
1,2-Dichloroethane	ND	5.0									
Benzene	ND	5.0									
Di-isopropyl ether	ND	5.0									
Ethyl Tert-butyl ether	ND	5.0									
Ethylbenzene	ND	5.0									
m,p-Xylene	ND	10									
MTBE	ND	5.0									
o-Xylene	ND	5.0									
Tert-amyl methyl ether	ND	5.0									
Tert-Butanol	ND	100									
Toluene	ND	5.0									
Surr: 1,2-Dichloroethane-d4	48.110		50.00		96.2	70	130				
Surr: 4-Bromofluorobenzene	51.140		50.00		102	70	130				
Surr: Dibromofluoromethane	54.440		50.00		109	70	130				
Surr: Toluene-d8	60.330		50.00		121	70	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   |  |



**CLIENT:** Ninyo & Moore  
**Work Order:** 111760  
**Project:** 925 Stanford Ave, 401559002

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260\_WP\_LL**

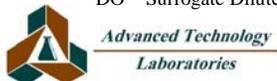
Sample ID: <b>A100517LCS1</b>		SampType: <b>LCS</b>		TestCode: <b>8260_WP_LL</b>		Units: <b>µg/L</b>		Prep Date:		RunNo: <b>121208</b>		
Client ID: <b>LCSW</b>		Batch ID: <b>A10VW111</b>		TestNo: <b>EPA 8260B</b>		Analysis Date: <b>5/17/2010</b>		SeqNo: <b>1937721</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
1,1-Dichloroethene	19.630	0.50	20.00	0	98.2	70	130					
Benzene	32.900	0.50	40.00	0	82.2	70	130					
Chlorobenzene	17.350	0.50	20.00	0	86.8	70	130					
MTBE	22.160	0.50	20.00	0	111	70	130					
Toluene	33.850	0.50	40.00	0	84.6	70	130					
Trichloroethene	15.900	0.50	20.00	0	79.5	70	130					
Surr: 1,2-Dichloroethane-d4	26.570		25.00		106	70	130					
Surr: 4-Bromofluorobenzene	24.030		25.00		96.1	70	130					
Surr: Dibromofluoromethane	25.070		25.00		100	70	130					
Surr: Toluene-d8	25.710		25.00		103	70	130					

Sample ID: <b>A100517MB2MS</b>		SampType: <b>MS</b>		TestCode: <b>8260_WP_LL</b>		Units: <b>µg/L</b>		Prep Date:		RunNo: <b>121208</b>		
Client ID: <b>ZZZZZ</b>		Batch ID: <b>A10VW111</b>		TestNo: <b>EPA 8260B</b>		Analysis Date: <b>5/17/2010</b>		SeqNo: <b>1937722</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Benzene	34.390	0.50	40.00	0	86.0	70	130					
MTBE	23.350	0.50	20.00	0	117	70	130					
Toluene	34.790	0.50	40.00	0	87.0	70	130					
Surr: 1,2-Dichloroethane-d4	27.150		25.00		109	70	130					
Surr: 4-Bromofluorobenzene	24.510		25.00		98.0	70	130					
Surr: Dibromofluoromethane	23.670		25.00		94.7	70	130					
Surr: Toluene-d8	25.910		25.00		104	70	130					

Sample ID: <b>A100517MB2MSD</b>		SampType: <b>MSD</b>		TestCode: <b>8260_WP_LL</b>		Units: <b>µg/L</b>		Prep Date:		RunNo: <b>121208</b>		
Client ID: <b>ZZZZZ</b>		Batch ID: <b>A10VW111</b>		TestNo: <b>EPA 8260B</b>		Analysis Date: <b>5/17/2010</b>		SeqNo: <b>1937723</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Benzene	34.380	0.50	40.00	0	86.0	70	130	34.39	0.0291	20		
MTBE	23.290	0.50	20.00	0	116	70	130	23.35	0.257	20		
Toluene	35.300	0.50	40.00	0	88.2	70	130	34.79	1.46	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   |  |



**CLIENT:** Ninyo & Moore  
**Work Order:** 111760  
**Project:** 925 Stanford Ave, 401559002

## ANALYTICAL QC SUMMARY REPORT

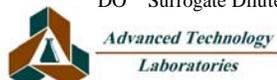
**TestCode: 8260\_WP\_LL**

Sample ID: <b>A100517MB2MSD</b>	SampType: <b>MSD</b>	TestCode: <b>8260_WP_LL</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>121208</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>A10VW111</b>	TestNo: <b>EPA 8260B</b>	Analysis Date: <b>5/17/2010</b>	SeqNo: <b>1937723</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	26.570		25.00		106	70	130		0	0	
Surr: 4-Bromofluorobenzene	24.530		25.00		98.1	70	130		0	0	
Surr: Dibromofluoromethane	25.590		25.00		102	70	130		0	0	
Surr: Toluene-d8	25.950		25.00		104	70	130		0	0	

Sample ID: <b>A100517MB2</b>	SampType: <b>MBLK</b>	TestCode: <b>8260_WP_LL</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>121208</b>						
Client ID: <b>PBW</b>	Batch ID: <b>A10VW111</b>	TestNo: <b>EPA 8260B</b>	Analysis Date: <b>5/17/2010</b>	SeqNo: <b>1937724</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane	ND	0.50									
1,2-Dichloroethane	ND	0.50									
Benzene	ND	0.50									
Di-isopropyl ether	ND	0.50									
Ethyl tert-butyl ether	ND	0.50									
Ethylbenzene	ND	0.50									
m,p-Xylene	ND	1.0									
MTBE	ND	0.50									
o-Xylene	ND	0.50									
Tert-amyl methyl ether	ND	0.50									
Tert-Butanol	ND	10									
Toluene	ND	0.50									
Surr: 1,2-Dichloroethane-d4	26.150		25.00		105	70	130				
Surr: 4-Bromofluorobenzene	24.420		25.00		97.7	70	130				
Surr: Dibromofluoromethane	24.050		25.00		96.2	70	130				
Surr: Toluene-d8	25.570		25.00		102	70	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   |  |



**CLIENT:** Ninyo & Moore  
**Work Order:** 111760  
**Project:** 925 Stanford Ave, 401559002

## ANALYTICAL QC SUMMARY REPORT

**TestCode: 8260\_WP\_LL**

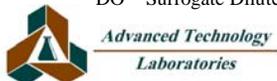
Sample ID: <b>A100518LCS1</b>		SampType: <b>LCS</b>		TestCode: <b>8260_WP_LL</b>		Units: <b>µg/L</b>		Prep Date:		RunNo: <b>121251</b>		
Client ID: <b>LCSW</b>		Batch ID: <b>A10VW112</b>		TestNo: <b>EPA 8260B</b>		Analysis Date: <b>5/18/2010</b>		SeqNo: <b>1938786</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
1,1-Dichloroethene	23.360	0.50	20.00	0	117	70	130					
Benzene	34.150	0.50	40.00	0	85.4	70	130					
Chlorobenzene	17.580	0.50	20.00	0	87.9	70	130					
MTBE	24.630	0.50	20.00	0	123	70	130					
Toluene	34.810	0.50	40.00	0	87.0	70	130					
Trichloroethene	16.580	0.50	20.00	0	82.9	70	130					
Surr: 1,2-Dichloroethane-d4	28.300		25.00		113	70	130					
Surr: 4-Bromofluorobenzene	24.290		25.00		97.2	70	130					
Surr: Dibromofluoromethane	26.580		25.00		106	70	130					
Surr: Toluene-d8	25.800		25.00		103	70	130					

Sample ID: <b>A100518MB2MS</b>		SampType: <b>MS</b>		TestCode: <b>8260_WP_LL</b>		Units: <b>µg/L</b>		Prep Date:		RunNo: <b>121251</b>		
Client ID: <b>ZZZZZ</b>		Batch ID: <b>A10VW112</b>		TestNo: <b>EPA 8260B</b>		Analysis Date: <b>5/18/2010</b>		SeqNo: <b>1938787</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Benzene	32.310	0.50	40.00	0	80.8	70	130					
MTBE	23.690	0.50	20.00	0	118	70	130					
Toluene	33.170	0.50	40.00	0	82.9	70	130					
Surr: 1,2-Dichloroethane-d4	28.070		25.00		112	70	130					
Surr: 4-Bromofluorobenzene	24.030		25.00		96.1	70	130					
Surr: Dibromofluoromethane	26.230		25.00		105	70	130					
Surr: Toluene-d8	26.020		25.00		104	70	130					

Sample ID: <b>A100518MB2MSD</b>		SampType: <b>MSD</b>		TestCode: <b>8260_WP_LL</b>		Units: <b>µg/L</b>		Prep Date:		RunNo: <b>121251</b>		
Client ID: <b>ZZZZZ</b>		Batch ID: <b>A10VW112</b>		TestNo: <b>EPA 8260B</b>		Analysis Date: <b>5/18/2010</b>		SeqNo: <b>1938788</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Benzene	33.950	0.50	40.00	0	84.9	70	130	32.31	4.95	20		
MTBE	23.830	0.50	20.00	0	119	70	130	23.69	0.589	20		
Toluene	34.990	0.50	40.00	0	87.5	70	130	33.17	5.34	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   |  |



**CLIENT:** Ninyo & Moore  
**Work Order:** 111760  
**Project:** 925 Stanford Ave, 401559002

## ANALYTICAL QC SUMMARY REPORT

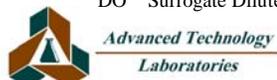
**TestCode: 8260\_WP\_LL**

Sample ID: <b>A100518MB2MSD</b>	SampType: <b>MSD</b>	TestCode: <b>8260_WP_LL</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>121251</b>						
Client ID: <b>ZZZZZZ</b>	Batch ID: <b>A10VW112</b>	TestNo: <b>EPA 8260B</b>	Analysis Date: <b>5/18/2010</b>	SeqNo: <b>1938788</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	27.950		25.00		112	70	130		0	0	
Surr: 4-Bromofluorobenzene	24.350		25.00		97.4	70	130		0	0	
Surr: Dibromofluoromethane	26.330		25.00		105	70	130		0	0	
Surr: Toluene-d8	25.970		25.00		104	70	130		0	0	

Sample ID: <b>A100518MB2</b>	SampType: <b>MBLK</b>	TestCode: <b>8260_WP_LL</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>121251</b>						
Client ID: <b>PBW</b>	Batch ID: <b>A10VW112</b>	TestNo: <b>EPA 8260B</b>	Analysis Date: <b>5/18/2010</b>	SeqNo: <b>1938789</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane	ND	0.50									
1,2-Dichloroethane	ND	0.50									
Benzene	ND	0.50									
Di-isopropyl ether	ND	0.50									
Ethyl tert-butyl ether	ND	0.50									
Ethylbenzene	ND	0.50									
m,p-Xylene	ND	1.0									
MTBE	ND	0.50									
o-Xylene	ND	0.50									
Tert-amyl methyl ether	ND	0.50									
Tert-Butanol	ND	10									
Toluene	ND	0.50									
Surr: 1,2-Dichloroethane-d4	26.690		25.00		107	70	130				
Surr: 4-Bromofluorobenzene	24.020		25.00		96.1	70	130				
Surr: Dibromofluoromethane	25.350		25.00		101	70	130				
Surr: Toluene-d8	25.080		25.00		100	70	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   |  |



# CHAIN OF CUSTODY RECORD

<b>ADVANCED TECHNOLOGY LABORATORIES</b> 3275 Walnut Ave., Signal Hill, CA 90755 Tel: (562) 989-4045 • Fax: (562) 989-4040	P.O.#: _____ Quote #: _____ Logged By: <u>[Signature]</u> Date: <u>5/14/10</u>	<b>FOR LABORATORY USE ONLY:</b>	
	NOTE: Please include your Quote No. to ensure proper pricing of your project.	Method of Transport <input type="checkbox"/> Client <input type="checkbox"/> ATL <input type="checkbox"/> FedEx <input type="checkbox"/> OnTrac <input checked="" type="checkbox"/> GSO <input type="checkbox"/> Other: <u>GSO</u>	3.4 4.2 Sample Condition Upon Receipt 1. CHILLED    Y <input checked="" type="checkbox"/> N <input type="checkbox"/> 4. SEALED    Y <input type="checkbox"/> N <input checked="" type="checkbox"/> 2. HEADSPACE (VOA)    Y <input type="checkbox"/> N <input checked="" type="checkbox"/> 5. # OF SPLS MATCH COC    Y <input checked="" type="checkbox"/> N <input type="checkbox"/> 3. CONTAINER INTACT    Y <input checked="" type="checkbox"/> N <input type="checkbox"/> 6. PRESERVED    Y <input checked="" type="checkbox"/> N <input type="checkbox"/>

Client: <u>Ninyo &amp; Moore</u> Attn: <u>Cem Atabek</u>	Address: <u>1956 Webster St</u> City: <u>Oakland</u> State: <u>CA</u> Zip Code: <u>94612</u>	TEL: <u>510-633-5640</u> FAX: <u>510-633-5646</u>
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Project Name: <u>925 Stanford Ave</u>	Project #: <u>401559002</u>	Sampler: <u>Cem Atabek</u> (Printed Name)	(Signature)
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Relinquished by: <u>Cem Atabek</u> (Signature and Printed Name)	Date: <u>5/13/10</u>	Time: <u>1:25</u>	Received by: <u>Jeff Siegfried</u> (Signature and Printed Name)	Date: <u>5/13/10</u>	Time: <u>1:25pm</u>
Relinquished by: <u>Jeff Siegfried</u>	Date: <u>5/13/10</u>	Time: <u>2:12pm</u>	Received by: <u>GSO</u>	Date: <u>5/13/10</u>	Time: <u>2:12pm</u>
Relinquished by: <u>[Signature]</u>	Date: _____	Time: _____	Received by: <u>Mary [Signature]</u>	Date: <u>5/14/10</u>	Time: <u>11:10</u>

I hereby authorize ATL to perform the work indicated below: Project Mgr /Submitter: <u>Cem Atabek</u> <u>5/13/10</u> Print Name Date <u>[Signature]</u> Signature	Send Report To: Attn: <u>Cem Atabek</u> Co: <u>See above</u> Addr: _____ City: _____ State: _____ Zip: _____	Bill To: Attn: <u>Same</u> Co: _____ Addr: _____ City: _____ State: _____ Zip: _____	Special Instructions/Comments: <u>include EDB and EDC in list of fuel oxygenates</u>
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**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)

ITEM	LAB USE ONLY:		Sample Description				SPECIFY APPROPRIATE MATRIX										CONTAINER(S) # Type	PRESERVATION	Q A / Q C RTNE <input type="checkbox"/> CT <input type="checkbox"/> Legal <input type="checkbox"/> SWRCB <input type="checkbox"/> Logcode _____ OTHER _____ REMARKS							
	Batch #:	Lab No.	Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8280B (Volatiles)	8270C (BNA)	8010B (Total Metal)	8015B (GRO)	8015B (DRO)	TITLE 22 / CAM 17 (6010 / 7000)	8260B (BTEX + Oxygenates)	SEDIMENT	SOLID				SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT
	<u>111760-001</u>		<u>B-4-6.0-6.5</u>	<u>5/14/10</u>	<u>915</u>					<u>X</u>	<u>X</u>	<u>X</u>				<u>X</u>							<u>5-day</u>	1		
	<u>2</u>		<u>B-4-9.5-10.0</u>		<u>920</u>																			1		
	<u>3</u>		<u>B-4-11.0-11.5</u>		<u>930</u>																			1		
	<u>4</u>		<u>B-3-5.5-6.0</u>		<u>940</u>																			1		
	<u>5</u>		<u>B-3-9.5-10.0</u>		<u>950</u>																			1		
	<u>6</u>		<u>B-3-12.0-12.5</u>		<u>1000</u>																			1		
	<u>7</u>		<u>B-4-GW</u>		<u>1040</u>																			1		
	<u>8</u>		<u>B-2-6.0-6.5</u>		<u>1105</u>											<u>X</u>		<u>X</u>						1		
	<u>9</u>		<u>B-2-9.5-10.0</u>		<u>1115</u>																			1		
	<u>10</u>		<u>B-2-11.5-12.0</u>		<u>1120</u>																			1		

• TAT starts 8 a.m. following day if samples received after 5 p.m.	TAT: <input type="checkbox"/> A= Overnight ≤ 24 hrs <input type="checkbox"/> B= Emergency Next workday <input type="checkbox"/> C= Critical 2 Workdays <input type="checkbox"/> D= Urgent 3 Workdays <input type="checkbox"/> E= Routine 7 Workdays	Preservatives: H=HCl N=HNO <sub>3</sub> S=H <sub>2</sub> SO <sub>4</sub> C=4°C Z=Zn(AC) <sub>2</sub> O=NaOH T=Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>
Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tealdr G=Glass P=Plastic M=Metal		

# CHAIN OF CUSTODY RECORD

 <p><b>ADVANCED TECHNOLOGY LABORATORIES</b></p> <p>3275 Walnut Ave., Signal Hill, CA 90755 Tel: (562) 989-4045 • Fax: (562) 989-4040</p>	P.O.#: _____ Quote #: _____  Logged By: _____ Date: _____	<b>FOR LABORATORY USE ONLY:</b>	
	NOTE: Please include your Quote No. to ensure proper pricing of your project.	Method of Transport <input type="checkbox"/> Client <input type="checkbox"/> ATL <input type="checkbox"/> FedEx <input type="checkbox"/> OnTrac <input type="checkbox"/> GSO <input type="checkbox"/> Other: _____	Sample Condition Upon Receipt 1. CHILLED    Y <input type="checkbox"/> N <input type="checkbox"/> 4. SEALED    Y <input type="checkbox"/> N <input type="checkbox"/> 2. HEADSPACE (VOA)    Y <input type="checkbox"/> N <input type="checkbox"/> 5. # OF SPLS MATCH COC    Y <input type="checkbox"/> N <input type="checkbox"/> 3. CONTAINER INTACT    Y <input type="checkbox"/> N <input type="checkbox"/> 6. PRESERVED    Y <input type="checkbox"/> N <input type="checkbox"/>

Client: <u>Ninyo &amp; Moore</u> Attn: <u>Cam Atabeck</u>	Address: <u>1956 Webster St.</u> City: <u>Oakland</u> State: <u>CA</u> Zip Code: <u>94612</u>	TEL: <u>510-633-5640</u> FAX: <u>510-633-5646</u>
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Project Name: <u>925 Stanford Ave</u> Project #: <u>401559002</u> Sampler: <u>Cam Atabeck</u> (Printed Name)	Relinquished by: <u>Cam Atabeck</u> (Signature and Printed Name)    Date: <u>5/13/10</u> Time: <u>1:25</u>	Received by: <u>Jeff Siegfried</u> (Signature and Printed Name)    Date: <u>5/13/10</u> Time: <u>1:25</u>
Relinquished by: <u>Jeff Siegfried</u> (Signature and Printed Name)    Date: <u>5/13/10</u> Time: <u>2:12p</u>	Received by: <u>GSO</u> (Signature and Printed Name)    Date: <u>5/13/10</u> Time: <u>2:12p</u>	Relinquished by: <u>Mark</u> (Signature and Printed Name)    Date: <u>5/14/10</u> Time: <u>1:10</u>

I hereby authorize ATL to perform the work indicated below: Project Mgr /Submitter: <u>Cam Atabeck</u> <u>5/10/10</u> Print Name    Date <u>[Signature]</u> Signature	Send Report To: Attn: <u>Cam Atabeck</u> Co: <u>see above</u> Addr: _____ City: _____ State: _____ Zip: _____	Bill To: Attn: <u>same</u> Co: _____ Addr: _____ City: _____ State: _____ Zip: _____	Special Instructions/Comments: <u>include EDB and EDC in list of fuel oxygenates</u>
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**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)

ITEM	LAB USE ONLY:		Sample Description				SPECIFY APPROPRIATE MATRIX										PRESERVATION	REMARKS								
	Batch #:	Lab No.	Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8280B (V Volatiles)	8270C (BVA)	6010B (Total Metal)	8015B (GRO) - 8001 (Pb)	8015B (DRO) & TPH	TITLE 22 / CAM 17 (6010 / 7000)	8260B (BTX + Oxygenates)	SEDIMENT	SOLID			SOIL	DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	#
	111760-	11	B-2-GW	5/12/10	1220					X	X	X						X					5-day	7		
		12	B-3-GW		1240													X						7		
		13	B-1-GW		1300													X						7		
		14	B-P-0.0-0.5		1405											X										
		15	B-B-2.0-2.5		1410																					
		16	B-S-4.5-5.0		1445																					
		17	B-S-6.0-6.5		1455																					
		18	B-S-8.0-8.5		1505																					
		19	B-6-7.0-7.5		1600																					
		20	B-6-15.0-15.5		1620																					

• TAT starts 8 a.m. following day if samples received after 5 p.m.	TAT: <input type="checkbox"/> A= Overnight ≤ 24 hrs <input type="checkbox"/> B= Emergency Next workday <input type="checkbox"/> C= Critical 2 Workdays <input type="checkbox"/> D= Urgent 3 Workdays <input type="checkbox"/> E= Routine 7 Workdays	Preservatives: H=Hcl N=HNO <sub>3</sub> S=H <sub>2</sub> SO <sub>4</sub> C=4°C Z=Zn(AC) <sub>2</sub> O=NaOH T=Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>
Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal		

# CHAIN OF CUSTODY RECORD

 <b>ADVANCED TECHNOLOGY</b> LABORATORIES 3275 Walnut Ave., Signal Hill, CA 90755 Tel: (562) 989-4045 • Fax: (562) 989-4040	P.O.#: _____ Quote #: _____	<b>FOR LABORATORY USE ONLY:</b>	
	Logged By: _____ Date: _____	Method of Transport <input type="checkbox"/> Client <input type="checkbox"/> ATL <input type="checkbox"/> FedEx <input type="checkbox"/> OnTrac <input type="checkbox"/> GSO <input type="checkbox"/> Other: _____	Sample Condition Upon Receipt 1. CHILLED    Y <input type="checkbox"/> N <input type="checkbox"/> 4. SEALED    Y <input type="checkbox"/> N <input type="checkbox"/> 2. HEADSPACE (VOA)    Y <input type="checkbox"/> N <input type="checkbox"/> 5. # OF SPLS MATCH COC    Y <input type="checkbox"/> N <input type="checkbox"/> 3. CONTAINER INTACT    Y <input type="checkbox"/> N <input type="checkbox"/> 6. PRESERVED    Y <input type="checkbox"/> N <input type="checkbox"/>

Client: <u>Ningo &amp; Moore</u>	Address: <u>1956 Webster St.</u>	TEL: <u>510-633-5640</u>
Attn: <u>Cam Atabek</u>	City: <u>Oakland</u> State: <u>CA</u> Zip Code: <u>94612</u>	FAX: <u>510-633-5646</u>

Project Name: <u>925 Stanford Ave</u>	Project #: <u>401559002</u>	Sampler: <u>Cam Atabek</u> (Printed Name)	(Signature)
Relinquished by: <u>Cam Atabek</u> (Signature and Printed Name)	Date: <u>5/13/10</u>	Time: <u>1:25</u>	Received by: <u>Jeff Siegfried</u> (Signature and Printed Name)
Relinquished by: <u>Jeff Siegfried</u> (Signature and Printed Name)	Date: <u>5/13/10</u>	Time: <u>2:12p</u>	Received by: <u>GSO</u> (Signature and Printed Name)
Relinquished by: _____ (Signature and Printed Name)	Date: _____	Time: _____	Received by: <u>Margo Ann</u> (Signature and Printed Name)

I hereby authorize ATL to perform the work indicated below: Project Mgr /Submitter: <u>Cam Atabek</u> <u>5/13/10</u> Print Name Date <u>[Signature]</u> Signature	Send Report To: Attn: <u>Cam Atabek</u> Co: <u>see above</u> Addr: _____ City: _____ State: _____ Zip: _____	Bill To: Attn: <u>same</u> Co: _____ Addr: _____ City: _____ State: _____ Zip: _____	Special Instructions/Comments: <u>Include EDB &amp; EDC in 1:st of fuel oxygenates</u>
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**Sample/Records - Archival & Disposal**  
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**Storage Fees (applies when storage is requested):**  
 • Sample : \$2.00 / sample / mo (after 45 days)  
 • Records : \$1.00 / ATL workorder / mo (after 1 year)

I T E M	LAB USE ONLY:		Sample Description				SPECIFY APPROPRIATE MATRIX										CONTAINER(S) # Type	PRESERVATION	Q A / Q C	REMARKS							
	Batch #:	Lab No.	Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	8010B (Total Metal)	8015B (GRO)	8015B (DRO)	TITLE 22 / CAM 17 (6010 / 7000)	SEDIMENT	SOLID	SOIL					DRINKING WATER	GROUND WATER	WASTEWATER	STORMWATER	AQUEOUS	TAT	RTNE <input type="checkbox"/>
	<u>111760</u>	<u>21</u>	<u>B-6-18.0-18.5</u>	<u>5/13/10</u>	<u>1625</u>					<u>X</u>	<u>X</u>	<u>X</u>			<u>X</u>							<u>5-day</u>					
		<u>22</u>	<u>B-7-7.5-8.0</u>		<u>1645</u>																						
		<u>23</u>	<u>B-7-14.0-14.5</u>		<u>1710</u>																						
		<u>24</u>	<u>B-7-19.0-19.5</u>		<u>1725</u>																						
		<u>25</u>	<u>B-6-GW</u>	<u>5/13/10</u>	<u>820</u>												<u>X</u>										
		<u>26</u>	<u>B-7-GW</u>		<u>840</u>												<u>X</u>										

• TAT starts 8 a.m. following day if samples received after 5 p.m.	TAT: <input type="checkbox"/> A= Overnight ≤ 24 hrs <input type="checkbox"/> B= Emergency Next workday <input type="checkbox"/> C= Critical 2 Workdays <input type="checkbox"/> D= Urgent 3 Workdays <input type="checkbox"/> E= Routine 7 Workdays	Preservatives: H=HCl N=HNO <sub>3</sub> S=H <sub>2</sub> SO <sub>4</sub> C=4°C Z=Zn(AC) <sub>2</sub> O=NaOH T=Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>
Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal		

## Carmen Aguila

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**From:** Cem Atabek [catabek@ninyoandmoore.com]

**Sent:** Monday, May 17, 2010 10:09 AM

**To:** Carmen Aguila

**Cc:** Rachelle Arada

**Subject:** Revised COC for 925 Stanford Avenue

Hi Carmen, attached is a revised Page 3 of the COC for the samples from 925 Stanford Avenue as sample B-5-GW was omitted from the original COC.

-Cem

Cem R. Atabek

Senior Staff Engineer

**Ninyo & Moore**

Geotechnical & Environmental Sciences Consultants

1956 Webster Street, Suite 400

Oakland, California 94612

(510) 633-5640 (x5202)

(510) 633-5646 (Fax)

catabek@ninyoandmoore.com

**Experience · Quality · Commitment**

# CHAIN OF CUSTODY RECORD

**ADVANCED TECHNOLOGY LABORATORIES**  
 3275 Walnut Ave., Signal Hill, CA 90755  
 Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O.#: \_\_\_\_\_ Quote #: \_\_\_\_\_  
 Logged By: \_\_\_\_\_ Date: \_\_\_\_\_

NOTE: Please include your Quote No. to ensure proper pricing of your project.

**FOR LABORATORY USE ONLY:**

Method of Transport  
 Client     ATL  
 FedEx     OnTrac  
 GSO  
 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: Ninjo Z Moore    Address: 1956 Webster St.    TEL: 510-633-5640  
 Attn: Cem Atabek    City: OAKLAND    State: CA    Zip Code: 94612    FAX: 510-633-5640

Project Name: 925 Stanford Ave    Project #: 401559002    Sampler: Cem Atabek (Printed Name)    (Signature) \_\_\_\_\_  
 Relinquished by: (Signature and Printed Name) Cem Atabek    Date: 5/13/10    Time: 1725    Received by: (Signature and Printed Name) Jeff Siegfried    Date: 5/13/10    Time: 1:25pm

I hereby authorize ATL to perform the work indicated below:  
 Project Mgr /Submitter: Cem Atabek    Date: 5/13/10  
 Send Report To: Attn: Cem Atabek  
 Co: see above  
 Bill To: Attn: same  
 Special Instructions/Comments: Include EDB & EDC in list of fuel oxygenates

**Sample/Records - Archival & Disposal**  
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I T E M	LAB USE ONLY:		Sample Description				SPECIFY APPROPRIATE MATRIX												PRESERVATION	REMARKS						
	Batch #:	Lab No.	Sample I.D. / Location	Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	8010B (Total Metal)	8015B (GRO) / 8021 (BTEX)	8015B (DRO) / 8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	SEDIMENT	SOLID	SOIL	DRINKING WATER	GROUND WATER			WASTEWATER	STORMWATER	AQUEOUS	TAT	Container(s) #	Type
			B-6-18.0-18.5	5/12/10	1635					X	X	X				X								5-day	1	
			B-7-7.5-8.0		1645																					
			B-7-14.0-14.5		1710																					
			B-7-19.0-19.5		1725																					
			B-6-6W	5/13/10	820																			7		
			B-7-6W		840																			7		
			B-5-6W	5/12/10	1525					X	X	X												7		

• TAT starts 8 a.m. following day if samples received after 5 p.m.  
 TAT:  A= Overnight ≤ 24 hrs     B= Emergency Next workday     C= Critical 2 Workdays     D= Urgent 3 Workdays     E= Routine 7 Workdays  
 Preservatives: H=HCl N=HNO<sub>3</sub> S=H<sub>2</sub>SO<sub>4</sub> C=4°C  
 Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal    Z=Zn(AC) O=NaOH T=Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>

## Rachelle Arada

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**From:** Cem Atabek [catabek@ninyoandmoore.com]  
**Sent:** Thursday, May 20, 2010 9:54 AM  
**To:** Rachelle Arada  
**Subject:** EDD for 925 Stanford Ave report

Hi Rachelle, can you please provide an EDD in Geotracker format for the results for 925 Stanford Avenue. The Global ID is T10000000420, Log Code is NMO, and the field points are the B-X at the beginning of each sample ID. For example, for sample B-1-GW, field point is B-1. For sample B-2-6.0-6.5, field point is B-2. Let me know if you need me to list field points in more detail or if this will work. Thanks

-Cem

Cem R. Atabek  
Senior Staff Engineer  
**Ninyo & Moore**  
Geotechnical & Environmental Sciences Consultants  
1956 Webster Street, Suite 400  
Oakland, California 94612  
(510) 633-5640 (x5202)  
(510) 633-5646 (Fax)  
[catabek@ninyoandmoore.com](mailto:catabek@ninyoandmoore.com)

**Experience · Quality · Commitment**

June 01, 2010



Cem Atabek  
Ninyo & Moore  
1956 Webster Street, Suite 400  
Oakland, CA 94612  
TEL: (510) 772-7418  
FAX: (510) 633-5646

ELAP No.: 1838  
NELAP No.: 02107CA  
NEVADA.: CA-401  
CSDLAC No.: 10196

Workorder No.: 111760

RE: 925 Stanford Ave, 401559002

Attention: Cem Atabek

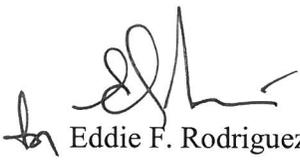
Enclosed are the results for sample(s) received on May 14, 2010 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

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.

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**CLIENT:** Ninyo & Moore  
**Project:** 925 Stanford Ave, 401559002  
**Lab Order:** 111760

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**CASE NARRATIVE**

Analytical Comments for EPA 8015B(M)

Sample 111874-004AMSD, RPD for Matrix Spike Duplicate (MSD) is outside criteria; however, the analytical batch was validated by the Laboratory Control Sample (LCS).



**Advanced Technology Laboratories**

**ANALYTICAL RESULTS**  
Print Date: 01-Jun-10

**CLIENT:** Ninyo & Moore  
**Lab Order:** 111760  
**Project:** 925 Stanford Ave, 401559002  
**Lab ID:** 111760-015A

**Client Sample ID:** B-8-2.0-2.5  
**Collection Date:** 5/12/2010 2:10:00 PM  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL &amp; MOTOR OIL RANGE ORGANICS BY GC/FID</b>						
	<b>EPA 3550B</b>				<b>EPA 8015B(M)</b>	
RunID: GC16_100526B	QC Batch: 64337				PrepDate: 5/25/2010	Analyst: CBR
DRO	1.3	1.0		mg/Kg	1	5/26/2010 05:01 PM
ORO	ND	1.0		mg/Kg	1	5/26/2010 05:01 PM
Surr: p-Terphenyl	64.4	30-128		%REC	1	5/26/2010 05:01 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



**CLIENT:** Ninyo & Moore  
**Work Order:** 111760  
**Project:** 925 Stanford Ave, 401559002

**ANALYTICAL QC SUMMARY REPORT**

**BatchID: 64337**

Sample ID: <b>MB-64337</b>	SampType: <b>MBLK</b>	TestCode: <b>8015_S_DM L</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/25/2010</b>	RunNo: <b>121523</b>						
Client ID: <b>PBS</b>	Batch ID: <b>64337</b>	TestNo: <b>EPA 8015B(M EPA 3550B)</b>		Analysis Date: <b>5/26/2010</b>	SeqNo: <b>1942625</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	ND	1.0									
ORO	ND	1.0									
Surr: p-Terphenyl	2.469		2.670		92.5	30	128				

Sample ID: <b>LCS-64337</b>	SampType: <b>LCS</b>	TestCode: <b>8015_S_DM L</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/25/2010</b>	RunNo: <b>121523</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>64337</b>	TestNo: <b>EPA 8015B(M EPA 3550B)</b>		Analysis Date: <b>5/26/2010</b>	SeqNo: <b>1942626</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	30.435	1.0	33.00	0	92.2	35	118				
Surr: p-Terphenyl	3.046		2.670		114	30	128				

Sample ID: <b>111874-004AMS</b>	SampType: <b>MS</b>	TestCode: <b>8015_S_DM L</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/25/2010</b>	RunNo: <b>121523</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>64337</b>	TestNo: <b>EPA 8015B(M EPA 3550B)</b>		Analysis Date: <b>5/26/2010</b>	SeqNo: <b>1942628</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

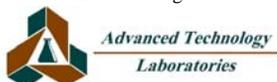
DRO	18.214	1.0	33.00	5.163	39.5	25	129				
Surr: p-Terphenyl	1.961		2.670		73.4	30	128				

Sample ID: <b>111874-004AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>8015_S_DM L</b>	Units: <b>mg/Kg</b>	Prep Date: <b>5/25/2010</b>	RunNo: <b>121523</b>						
Client ID: <b>ZZZZZ</b>	Batch ID: <b>64337</b>	TestNo: <b>EPA 8015B(M EPA 3550B)</b>		Analysis Date: <b>5/26/2010</b>	SeqNo: <b>1942629</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	14.075	1.0	33.00	5.163	27.0	25	129	18.21	25.6	20	R
Surr: p-Terphenyl	1.694		2.670		63.4	30	128		0	0	

**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

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**From:** Cem Atabek [catabek@ninyoandmoore.com]  
**Sent:** Monday, May 24, 2010 9:23 AM  
**To:** Rachelle Arada  
**Subject:** RE: Results for 925 Stanford Ave, 401559002 (ATL# 111760)

Hi Rachelle, can you please analyze sample B-8-2.0-2.5 for TPHd and TPHmo. Thanks

-Cem

Cem R. Atabek  
Senior Staff Engineer  
**Ninyo & Moore**  
Geotechnical & Environmental Sciences Consultants  
1956 Webster Street, Suite 400  
Oakland, California 94612  
(510) 633-5640 (x5202)  
(510) 633-5646 (Fax)  
[catabek@ninyoandmoore.com](mailto:catabek@ninyoandmoore.com)

### Experience · Quality · Commitment

-----Original Message-----

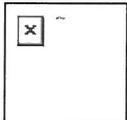
**From:** Rachelle Arada [mailto:[Rachelle@atlglobal.com](mailto:Rachelle@atlglobal.com)]  
**Sent:** Friday, May 21, 2010 4:33 PM  
**To:** Cem Atabek  
**Subject:** Results for 925 Stanford Ave, 401559002 (ATL# 111760)

Hi Cem,

Enclosed are the results for the above project. Signed cover letter to follow.

Thanks,

Rachelle Arada  
Project Coordinator



Advanced Technology Laboratories  
[www.atlglobal.com](http://www.atlglobal.com)  
Tel: (562) 989-4045 ext. 237  
Fax: (562) 989-4040

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