SITE ASSESSMENT REPORT
FORMER HOLLAND OIL PROPERTY
16301 EAST 14TH STREET
SAN LEANDRO, CALIFORNIA

PREPARED FOR:
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December 11, 2008
Project No. 401314002

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Mr. Lawrence Lepore
Hayward Area Recreation Department
1099 E Street
Hayward, California 94541

Subject: Site Assessment Report
Former Holland Oil Property
16301 East 14th Street, San Leandro, California

Dear Mr. Lepore:

Enclosed please find the Site Assessment Report for the former Holland Oil property located at 16301 East 14th Street in San Leandro, California. This report documents the recent site assessment activities, the results of site work, and our conclusions and recommendations.

Thank you very much for the opportunity to assist with this important project.

Sincerely,
NINYO & MOORE

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1. INTRODUCTION

On behalf of Hayward Area Recreation Department (HARD), Ninyo & Moore has prepared this Site Assessment Report for the former Holland Oil property located at 16301 East 14th Street in unincorporated Alameda County near San Leandro, California (the "site") (Figure 1). Site assessment activities were conducted in accordance with Ninyo & Moore's Site Assessment Workplan, dated August 20, 2008, which was conditionally approved by Alameda County Environmental Health Services (ACEH) in a letter dated September 16, 2008. A copy of the ACEH letter is included in Appendix A.

1.1. Background

The currently vacant site is located at 16301 East 14th Street, in San Leandro.

The site was utilized as a bulk fuel storage and distribution facility from the 1960's to the mid 1980's. Eight underground storage tanks (USTs) were located on site, three of which contained gasoline, two contained diesel, two contained kerosene, and one contained stoddard solvent. The USTs were removed in 1998 and the excavated overburden soil was placed back in the UST excavation. Additionally, two former structures, a warehouse located in the southwestern section and a small garage located in the central section of the site, were reportedly used for vehicle maintenance.

A series of environmental evaluations of site soil and groundwater have been conducted on site since 1990. This testing evaluated the presence of a broad array of potential use-related chemicals; the results of testing revealed elevated concentrations of specific constituents of concern at several locations on the site. Gasoline, diesel, and kerosene-range petroleum hydrocarbons were detected, primarily in areas where former USTs (T1 through T8) were located (Figure 2). Analytical results from site investigation activities conducted by Environmental Bio-Systems, Inc. in 2001 are summarized in data tables presented in Appendix B. Ninyo & Moore has not reviewed laboratory analytical reports produced for data prior to 2001 because the reports were not available. Analytical results from site

investigation activities conducted by Ninyo & Moore in 2007 and 2008 are presented in Tables 1 through 5.

2. PURPOSE

The purpose of the site assessment was to provide additional data needed to evaluate the magnitude, lateral and vertical extent, and stability of contaminants of concern on site. Soil, groundwater, and soil vapor samples were collected during the site assessment and analyzed for compounds related to fuels and other hydrocarbon-based products historically stored and used on site.

3. SITE SETTING

3.1. Geographic Setting

The site is a pentagon-shaped property located in San Leandro, California; bordered to the south by a baseball field; to the west by Edendale Middle School; and to the northeast by East 14th Street. Commercial properties border the site to the northwest and southeast on East 14th Street.

3.2. Environmental Setting

The site is relatively flat, with a gradual downward slope toward the west. The Hayward area is situated on a broad, alluvial plain that slopes gently west from the Hayward 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 at the eastern margin of the alluvial plain and is underlain by fine-grained alluvial and tidal-bay sediments. The surface layer of fill observed throughout the site is underlain by soft bay mud of geologically recent age. Depth to groundwater throughout the site was observed to range from approximately 8 to 9 feet below ground surface (bgs).

4. SITE ASSESSMENT ACTIVITIES

Investigative activities consisted of pre-field preparations; soil borings for soil, groundwater, and soil vapor sampling; and the installation of groundwater monitoring wells for groundwater sampling. Ninyo & Moore conducted the field activities in September and October of 2008. Our field activities are discussed in the sections below.

4.1. Pre-field Preparations

Pre-field preparations were performed prior to implementation of drilling activities. Ninyo & Moore performed the following pre-field preparations:

4.1.1. Permits

Ninyo & Moore obtained permits from Alameda County Public Works Agency for soil borings and monitoring well installation. Copies of the permits are included in Appendix C.

4.1.2. Underground Services Alert

Ninyo & Moore marked proposed soil boring and monitoring well locations with white paint and notified underground services alert (USA) to mark the locations of subsurface utilities within the vicinity of the proposed drilling locations.

4.1.3. Private Utility Location

In order to minimize the chance of damaging a subsurface utility, Ninyo & Moore procured the services of Precision Locating, LLC (Precision) of Brentwood, California. On September 29, 2008, Precision performed a utility location site visit to verify utility markings made by USA and identify the locations of additional utilities that may not have been observed by USA.

4.1.4. Notification of Drilling Activities

Ninyo & Moore coordinated with personnel from the neighboring property, Edendale Middle School, prior to site work. Edendale School representatives were provided with a notice and description of site assessment activities.

4.2. Drilling Company and Drilling Dates

Vannucci Technologies (Vanntec), of Woodland, California, performed drilling of soil borings and well installation on September 30th, October 1st, and October 2nd, 2008. Vanntec is a licensed California well drilling contractor (C-57# 814760).

4.3. Ninyo & Moore Personnel

Ninyo & Moore's Senior Staff Geologist, Blair Bridges, supervised the installation of monitoring wells MW-10 through MW-12 on September 30, 2008. Ninyo & Moore's Staff Environmental Engineer, Cem Atabek, supervised the advancement of soil and soil vapor borings, and the installation of monitoring well MW-9 on October 1st and 2nd, 2008. Field activities were overseen by Ninyo & Moore's Senior Geologist, Kris Larson; Mr. Larson is a California Professional Geologist.

4.4. Shallow Soil Borings for Soil Sampling

Five soil borings (B-9 through B-12 and pilot boring MW-9) were advanced in the southeastern portion of the site for the collection of soil samples (Figure 2). Pilot boring MW-9 was subsequently converted into a monitoring well. Borings were advanced in areas where no previous data had been collected and near areas where previously collected soil samples revealed elevated concentrations of petroleum hydrocarbon compounds. Borings were advanced to a depth of 15 feet bgs using a direct push drill rig. Continuous soil cores were recovered in acetate liners and a lithology description of the soil was recorded. The soil was also screened for volatile organic vapors using a photo-ionization detector (PID). Samples were collected for analysis from depths of 2, 5 and 10 feet bgs or at depths where indications of contamination, such as elevated PID readings, odor, or staining, were observed.

Boring logs describing the lithologic and physical characteristics observed on site are presented in Appendix D.

Soil samples were collected in containers specific to their analysis, including 8 ounce glass jars for total petroleum hydrocarbons as diesel (TPH-d), and Encore® samplers for total petroleum hydrocarbons as gasoline (TPH-g) and volatile organic compounds (VOCs). Sample containers were affixed with labels, placed in individual zip-lock type bags and packed in a cooler with ice under chain of custody (COC) for transportation to the state certified analytical laboratory.

4.5. Deep Soil Borings for Discreet Groundwater Sampling

On October 1st, 2008, four deep soil borings (DB-1A, DB-1B, DB-2 and DB-3) were advanced in the southwestern portion of the site for the purpose of collecting discreet groundwater samples from a deeper water bearing zone (Figure 2). Boring DB-1A was advanced first to a depth of approximately 40 feet bgs using dual tube direct push tooling for the purpose of identifying a targeted deep groundwater bearing zone. Continuous soil cores were recovered in acetate liners and were examined for sedimentology and screened for volatile organic vapors using a PID. A zone of high estimated permeability consisting of silty sand was observed at a depth of approximately 34 to 37 feet bgs. This water bearing zone was targeted in the remaining three deep soil borings (DB-1B, DB-2 and DB-3). Discreet groundwater samples were collected from these three borings by advancing a Hydropunch© groundwater sampling tool with an expendable tip to 37 feet bgs and retracting the drill rod approximately 3 feet. This exposed a stainless steel screened casing to the desired sampling zone while sealing off the shallow water bearing zone(s). A boring log describing the subsurface characteristics observed in boring DB-1A is presented in Appendix D.

The depth to groundwater was measured prior to sampling using a decontaminated water level meter. Groundwater samples were collected using a peristaltic pump with new tubing. Groundwater samples were collected in the appropriate laboratory supplied containers, la-

beled, and stored in a cooler with ice under COC documentation for transport to the analytical laboratory. Samples for analysis of VOCs and TPHg were collected first and the pump was run at low speed to minimize disturbance of groundwater.

4.6. Soil Vapor Sampling

On October 2, 2008, six borings (SV-1 through SV-6) were advanced in the southeastern portion of the site for collection of soil vapor samples (Figure 2). Borings were advanced to 5.5 feet bgs using a direct push drill rig. The drill rods were retracted approximately 6 inches to expose the probe tip in the sampling zone. The appropriate length of Teflon© tubing was connected to a fitting, inserted down the inside of the drill rods, and reverse threaded into the post run tubing adapter. The end of the tubing was capped using a temporary stainless steel cap.

For each soil vapor boring, two seals constructed with hydrated bentonite powder were installed to prevent ambient air from entering the boring. One seal was installed around the base of the drill rod between the drill rod and the ground surface. The purpose of this seal was to prevent ambient air from entering and traveling down the outside of the drill rod. The other seal was installed around the tubing at the top of the drill rod. The purpose of this seal was to prevent ambient air from entering the inside of the drill rod. After hydrated bentonite seals were installed, at least 30 minutes elapsed prior to sampling to allow the seal to properly set. This time also allowed restoration of subsurface equilibrium.

Prior to connecting each soil vapor sampling manifold to the respective downhole tubing, leak tests were performed on each manifold. A stainless steel cap was fitted on the downhole side of the manifold and a leak test was performed by opening the purge Summa® canister. The leak test continued for approximately 10 minutes. Vacuum pressures remained constant for each manifold for the duration of the leak test for all sampling manifolds. As a result, the manifold leak tests were successful.

Prior to sample collection, three tubing volumes (including the probe tip volume) of air were purged using the 6 liter Summa© canister. The purge volume was monitored by the drop in

vacuum pressure. The purge begin time, initial purge canister vacuum, end time, and final vacuum were recorded on the soil vapor sampling field forms. The combined volume of tubing and probe tip was calculated prior to field activities. The volume was calculated in milliliters (mL) and converted to inches of mercury (in. Hg) based on the size of Summa canister used for purging. The appropriate purge volume was determined to correspond to a drop of 4.5 in. Hg.

After the appropriate volume of soil vapor had been purged, the purging canister valve was closed and the sample canister valve opened to begin sample collection. The sample beginning time, initial sample canister vacuum, end time, and final vacuum were recorded on the field forms. A leak detection compound was used to evaluate whether leaks were present in the sampling equipment which could cause the dilution of analytical samples with ambient air. Isopropyl alcohol with an active ingredient of 2-propanol was used as the leak detection compound. During sample collection, the vapor sampling fittings and tubing were surrounded by isopropyl alcohol soaked gauze. The gauze was secured to the manifold so that it was very close to but not touching the areas of potential leakage throughout the duration of sampling. Isopropyl alcohol was included in the list of analyzed compounds. The sample canister valves were closed when the gauge read approximately 5 in. Hg of remaining vacuum. Due to the slow flow rate in sample SV-3, the sample canister valve was closed while 7 in. Hg of vacuum remained in the canister.

During and after soil vapor sampling, the sample canisters were kept in the shade to prevent fluctuations in temperature. The samples, accompanied by completed COC documentation, were transported to the analytical laboratory. Copies of the soil vapor sampling field data sheets are presented in Appendix E.

4.7. Monitoring Well Installation

On September 30th and October 1st, 2008, four soil borings (MW-9 through MW-12) were advanced for the installation of groundwater monitoring wells using 8-inch diameter hollow stem augers. The locations of the monitoring wells are presented on Figure 2. After reaching

the total depth of 15 feet bgs, each monitoring well was installed and constructed through the hollow stem augers.

Monitoring wells MW-9 through MW-12 were constructed with 2-inch diameter PVC casing with 0.010-inch screened PVC casing extending from 5 to 15 feet bgs. A filter pack consisting of # 2/12 Monterey Sand was installed from the base of the borehole to approximately 4 feet bgs. The sand pack was overlain by approximately 1 foot of hydrated bentonite chips, and sealed with Portland cement grout from approximately 4 feet bgs to 0.5 feet bgs. Each well was finished with a locking well cap and a flush mounted well box set in concrete. Well construction schematics displaying the construction of the monitoring wells are presented in Appendix D.

4.8. Monitoring Well Development

On October 9th, 2008, the four new monitoring wells (MW-9 through MW-12) were developed using a surge block, submersible pump, and disposable bailer. The wells were surged with a surge block within the screened portion of the well to remove sediment in the sand pack, after which groundwater was purged using the submersible pump or disposable bailer to remove sediment accumulation in the bottom of the well. Wells were developed until groundwater parameters (pH, temperature and conductivity) had stabilized and a minimum of 10 casing volumes of groundwater were purged. Copies of the well development field data sheets presented in Appendix F.

4.9. Monitoring Well Groundwater Sampling

On October 13th and 14th, 2008, Ninyo & Moore collected groundwater samples from monitoring wells MW-1 through MW-12. The depth to static groundwater from top of casing in each well was measured with a decontaminated water level meter to an accuracy to 0.01 feet. Prior to sample collection, a minimum of three casing volumes of groundwater were purged from each well using a new disposable bailer and a peristaltic pump with new tubing. Groundwater parameters (pH, temperature, and electrical conductivity) and physical characteristics were recorded during purging. Subsequent to purging, groundwater samples

were collected from each well using a peristaltic pump with new tubing. Samples scheduled for analysis of VOCs and TPHg were collected first. While collecting samples for VOCs and TPHg analysis, the pump was run at low speed to minimize disturbance of groundwater. The groundwater samples were collected in the appropriate sample containers, labeled and placed into a cooler containing ice under chain-of-custody for transport to the analytical laboratory. Copies of the groundwater sampling field data sheets are presented in Appendix G.

4.10. Analytical Laboratories and Methods

Select soil and groundwater samples were submitted to Sparger Technology, Inc (Sparger), of Sacramento, California, for analysis of TPHd by United States Environmental Protection Agency (EPA) Method 8015B, for TPHg by EPA Method 8015B, and for VOCs by EPA Method 8260B. Soil vapor samples were submitted to Torrent Laboratory, Inc (Torrent), of Milpitas, California for analysis of VOCs using EPA Method TO-15. Sparger and Torrent are both State-certified laboratories. Copies of the analytical reports including COC documentation are presented in Appendix H.

4.11. Monitoring Well Survey

On October 9, 2008, Virgil Chavez Land Surveying (Chavez), of Vallejo, California, performed a survey of the elevations and locations of well casings MW-1 through MW-12 and recent soil borings DB-1A, DB-1B, DB-2, DB-3, and SB-9 through SB-12. The latitude, longitude, and coordinates for the survey were based on California State Coordinate System, Zone III (NAD 83). The benchmark for the survey was a USGS brass disk with the notation *M-1256 1974.* A copy of the survey report is presented in Appendix I.

4.12. Disposal of Investigation Derived Waste

Drill cuttings were stockpiled on and covered with plastic sheeting within the site boundaries. Decontamination water and purged groundwater were contained in 55-gallon drums and subsequently removed from the site and properly disposed of by Filter Recycling

of Colton, California on November 11, 2008. A copy of the waste disposal manifest is presented in Appendix J.

4.13. GeoTracker

Electronic deliverable data associated with this report will be uploaded to the State Geo-Tracker database. The uploaded documents will include a copy of this report, electronic copies of the associated laboratory analytical reports, depth to groundwater measurements, survey data, the site plan, and recent boring and well construction logs.

5. SITE ASSESSMENT FINDINGS

5.1. Site Sedimentology

Much of the site shallow subsurface is composed of approximately 1 to 2 feet of brown clayey, gravely sand fill material. Underlying the fill are layers of brown and grey silty sandy clay to approximately 5 feet bgs. From approximately 5 to 14 feet bgs, several layers of clayey sand and clean sand were encountered. Brown silty sandy clay of varying density was encountered from a depth of approximately 15 to 34 feet bgs in boring DB-1A. A deeper unit of silty sand was encountered at approximately 34 to 37 feet bgs, which was underlain by grey silty clay was from approximately 37 to the total depth explored of 40 feet bgs. Boring logs describing the subsurface conditions described above are presented in Appendix D.

5.2. Hydrogeology

First groundwater was consistently encountered between approximately 8 and 9 feet. bgs in recent soil borings in a unit of sand with minor percentages of fine grained soils. Various additional saturated lenses of sand and sandy clay were observed between 8 and 14 feet bgs. Static groundwater elevations measured in monitoring wells MW-1 through MW-12 on October 13th and 14th, 2008 ranged from 8.11 feet below top of casing (ft toc) in well MW-9 to 9.04 ft toc in well MW-2.

A deeper water bearing zone consisting of clean sand was encountered in boring DB-1A between approximately 34 and 37 feet bgs. After exposing the Hydropunch© screen to this deeper water bearing zone, the groundwater elevation in the drill tooling rose quickly and stabilized between 9.05 and 9.80 feet bgs in discreet groundwater sample borings DB-1B, DB-2, and DB-3.

5.2.1. Groundwater Flow Direction and Gradient

Static groundwater elevations in all site monitoring wells were measured relative to top of casing (toc) on October 13th and 14th, 2008. Using the recently surveyed toc elevations of wells MW-1 through MW-12, Ninyo & Moore calculated the elevation of static groundwater relative to mean sea level. Using this data, a groundwater elevation contour map was prepared (Figure 4). On October 13th and 14th, 2008, shallow groundwater beneath the site appeared to flow toward the northwest with a gradient of approximately 0.005 feet per foot. This result is generally consistent with the natural topography and anticipated regional groundwater flow toward San Francisco Bay to the west.

5.3. Observations During Drilling

Observations of petroleum hydrocarbons were noted in three recent borings (DB-1A, SB-11, and SB-12), consisting of physical observations of staining and hydrocarbon odors, and elevated PID readings. Apparent petroleum hydrocarbon soil contamination was observed in boring DB-1A, extending from the ground surface to approximately 14.5 feet bgs. The depth of observed contamination in boring DB-1A extended approximately 6 feet below first encountered groundwater. No physical signs of contamination were observed below the dense clay with low estimated permeability encountered at approximately 14.5 feet bgs.

Physical signs of contamination were observed in the soil of boring SB-11, extending from the ground surface to approximately two feet below the depth of first encountered groundwater which was approximately 8 feet bgs. Physical signs of impacts were observed to attenuate rapidly with depth into the dense clay formation of low estimated permeability

encountered below the shallow water table at approximately 10 feet bgs. Physical signs of contamination were also observed in the upper three feet of soil in boring SB-12.

5.4. Analytical Results

Laboratory analytical results are documented in the sections below. A summary of analytical data is presented on Tables 1 through 5. Select soil analytical results are presented on Figure 3. Complete copies of the analytical reports are presented in Appendix H.

5.4.1. Soil

Soil samples were collected from the borings MW-9 (pilot boring) and SB-9 through SB-12, located in the southeast portion of the site, to the east and up-gradient of the former USTs. A summary of soil analytical results for each boring is presented below:

- ***Pilot boring MW-9:*** Soil samples were collected from pilot boring MW-9 at depths of 2 feet bgs, 5 feet bgs, and 10 feet bgs. No concentrations of TPHd; TPHg; benzene, toluene, ethylbenzene, xylenes (BTEX compounds); methyl tertiary butyl ether (MTBE), or any other VOC were detected above laboratory reporting limits in any soil sample collected from MW-9.

- ***Boring SB-9:*** Soil samples were collected from boring SB-9 at depths of 2 feet bgs, 5 feet bgs, and 10 feet bgs. No concentrations of TPHd; TPHg; BTEX compounds; or MTBE were detected in any soil sample collected from SB-9. Acetone, 2-butanone, and carbon disulfide were detected in sample SB-9 at 2 feet bgs at concentrations of 0.340 milligrams per kilogram (mg/kg), 0.070 mg/kg, and 0.0045 mg/kg, respectively. Acetone, 2-butanone, and carbon disulfide were detected in sample SB-9 at 5 feet bgs at concentrations of 0.050 mg/kg, 0.0071 mg/kg, and 0.0029 mg/kg, respectively. No other VOCs were detected above laboratory reporting limits in any soil sample collected from boring SB-9.

- ***Boring SB-10:*** Soil samples were collected from boring SB-10 at depths of 2 feet bgs, 5 feet bgs, and 10 feet bgs. No concentrations of TPHd; TPHg; benzene, toluene, ethylbenzene, xylenes (BTEX compounds); methyl tertiary butyl ether (MTBE), or any other VOC were detected above laboratory reporting limits in any soil sample collected from SB-10.

- ***Boring SB-11:*** Soil samples were collected from boring SB-11 at depths of 3 feet bgs, 8 feet bgs, and 11 feet bgs. Concentrations of TPHd (1,200 mg/kg), TPHg (30 mg/kg), and MTBE (0.320 mg/kg) were detected in sample SB-11 at 3 feet bgs. Concentrations of TPHd (2,300 mg/kg), TPHg (80 mg/kg), and MTBE

(0.310 mg/kg) were detected in sample SB-11 at 8 feet bgs. Additional VOCs, including acetone, 2-butanone, isopropyl benzene, n-propyl benzene, tert-butyl benzene, n-butyl benzene, naphthalene, and sec-butyl benzene were detected in samples SB-11 at 3 feet bgs and SB-11 at 8 feet bgs. Analytical results are presented in Tables 1 and 2.

No TPHd, TPHg, BTEX, MTBE, or any other VOC was detected in sample SB-11 at 11 feet bgs.

- ***Boring SB-12:*** Soil samples were collected from boring SB-12 at depths of 2 feet bgs, 5 feet bgs, and 10 feet bgs. Sample SB-12 at 2 feet bgs contained detectable concentrations of TPHd (1,000 mg/kg), TPHg (40 mg/kg), benzene (0.39 mg/kg), ethylbenzene (3.2 mg/kg), toluene (6.8 mg/kg), MTBE (0.34 mg/kg), and various other VOCs (Table 2).

- No TPHd, TPHg, BTEX compound, or MTBE was detected in samples SB-12 at 5 feet bgs or SB-12 at 10 feet bgs. Sample SB-12 at 5 feet bgs contained detectable VOC concentrations of acetone (0.05 mg/kg), 2-butanone (0.01 mg/kg), and carbon disulfide (0.0069 mg/kg). No other VOCs were detected in sample SB-12 at 5 feet bgs. Sample SB-12 at 10 feet bgs contained a minimal concentration of acetone (0.0053 mg/kg) and no other detectable concentrations of VOCs.

5.4.2. Groundwater

Twelve monitoring well groundwater samples (MW-1 through MW-12) and three discreet groundwater samples (DB-1B, DB-2, and DB-3) were collected and analyzed during the recent site assessment. The monitoring well groundwater sample analytical results are indicative of the shallow water bearing zone. The discreet groundwater samples were collected from a deeper water bearing zone between approximately 34 and 37 feet bgs. A summary of groundwater analytical results is presented on Tables 3 and 4. Copies of the analytical reports are presented in Appendix H.

5.4.2.1. Shallow Water Bearing Zone

TPHd was detected in monitoring wells MW-1, MW-4, MW-6, and MW-8 at concentrations of 550 micrograms per liter (µg/L), 660 µg/L, 600 µg/L, and 500 µg/L, respectively. No TPHd was detected above laboratory reporting limits in any other monitoring well groundwater sample.

TPHg was detected in monitoring wells MW-1, MW-4, MW-5, MW-6, MW-8, and MW-12 at concentrations of 440 µg/L, 470 µg/L, 70 µg/L, and 470 µg/L, 390 µg/L, and 110 µg/L, respectively. No TPHg was detected above laboratory reporting limits in any other monitoring well groundwater samples.

Benzene was detected in monitoring wells MW-4, MW-6, and MW-8 at concentrations of 2.9 µg/L, 7 µg/L, and 50 µg/L, respectively. No benzene was detected above laboratory reporting limits in any other monitoring well groundwater samples.

Toluene and ethylbenzene were only detected in well MW-8 at concentrations of 1.4 µg/L and 10 µg/L, respectively. Xylenes were detected in wells MW-6 and MW-8 at concentrations of 1.1 µg/L and 23 µg/L, respectively.

No petroleum hydrocarbons, BTEX compounds, MTBE, or other VOCs were detected in groundwater samples collected from the four recently installed wells (MW-9 through MW-12) with minor exceptions for samples MW-11 and MW-12. Acetone (10 µg/L) and carbon disulfide (2.4 µg/L) were detected in sample MW-11. Sample MW-12 contained a minor detectable concentration of TPHg (110 µg/L).

5.4.2.2. Deeper Groundwater Bearing Zone

TPHg was detected at minor concentrations in two of three discreet groundwater samples. Sample DB-1B contained TPHg at a concentration of 120 mg/L. Sample DB-2 contained TPHg at a concentration of 60 mg/L. No TPHg was detected above reporting limits in sample DB-3.

No TPHd, BTEX compounds, or MTBE were detected in any of the three deep groundwater samples.

No other VOCs were detected in any of the three deep groundwater samples with the exceptions of cis-1,2-dichloroethene (1.9 µg/L) in sample DB-1B and acetone (6.0 µg/L) and carbon disulfide (1.1 µg/L) in sample DB-3.

5.4.3. Soil Vapor

Soil vapor samples were collected from six discreet vapor points (SV-1 through SV-6) installed to approximately 5 feet bgs. The vapor samples were analyzed for VOCs using EPA Method TO-15. Soil vapor analytical results are summarized on Table 5 and presented in the laboratory analytical report in Appendix H.

Benzene was only detected in sample SV-1 at a minimal concentration of 2 micrograms per meters cubed (µg/m^3). No benzene was detected in any other soil vapor sample.

Toluene was detected in samples SV-1, SV-2, SV-4, and SV-5 at concentrations of 15 µg/m^3, 16 µg/m^3, 3.2 µg/m^3, and 19 µg/m^3, respectively. No toluene was detected in samples SV-3 or SV-6.

No ethylbenzene was detected above laboratory reporting limits in any soil vapor sample.

Xylenes were only detected in samples SV-1, SV-2, and SV-5 at concentrations of 11 µg/m^3, 17 µg/m^3, and 11 µg/m^3, respectively. No xylenes were detected in any other soil vapor sample.

MTBE was only detected in sample SV-6 at a concentration of 50 µg/m^3.

Acetone was detected in all six vapor samples at concentrations ranging from 54 µg/m^3 (SV-5) to 610 µg/m^3 (SV-3).

Additional VOC detections included 2-butanone in samples SV-1, SV-2, SV-4, and SV-5 and carbon disulfide in sample SV-2.

Isopropyl alcohol, the leak detection agent, was detected in sample SV-1 at a concentration of 27 $\mu g/m^3$. Since this detection was fairly minor, the sample results are considered representative of natural condition. No isopropyl alcohol was detected in any other sample.

6. CONTAMINANT DISTRIBUTION

The recent analysis of 15 soil samples, 15 groundwater samples, and 6 soil vapor samples has yielded valuable data and provided a more thorough understanding of the extent and magnitude of contamination beneath the subject property. Presented below is a description of the contaminant distribution in soil, groundwater, and soil vapor.

6.1. Soil

Historical soil analytical results are summarized in Appendix B. 2007 and 2008 soil analytical results are presented on Tables 1 and 2. Select 2008 soil analytical results are graphically presented on Figure 3.

The former USTs (T1 through T8) and associated piping are considered to be the source area of petroleum hydrocarbon contamination. Soil in the central portion of the site within the vicinity of former USTs is known to be impacted with petroleum hydrocarbon contamination as indicated by the results of soil sample analysis from 2007 source area borings B-1, MW-6, MW-8, and B-4. Additionally, the results of field observations and PID screenings of soils collected from 2008 source area boring DB-1A indicated that petroleum hydrocarbon impacted soil exist from ground surface to approximately 14.5 feet bgs.

Soil contamination north of the source area appears to be minimal according to the results of previous sample data. Elevated concentrations of TPHd were reported in shallow (2 feet bgs) soil in well MW-7 (located 50 feet from the nearest UST location); however TPHd concentrations decreased an order of magnitude between two and five feet bgs (Figure 2). Very low TPHd impacts to shallow soil were also observed to the northwest of well MW-7 in soil sample B-3 at 2 feet bgs. Because the deeper samples were much lower in TPHd concentra-

tions than the shallow samples, this pattern of contamination may be the result of isolated fuel spills. Since only minimal hydrocarbon concentrations were detected in sample MW-7 at 5 and 7.5 feet bgs, the highest TPH impacts to soil appear to be located in the source area, and the soil north of the source area appears to be impacted with TPH compounds in shallow soil only, and in much lower concentrations.

Soil samples collected, and physical properties observed from soils during well installation on site and off site areas west of the USTs indicate that soil contamination in the western portion of the site may be limited to the source areas. Soil samples collected from boring B-8 (located west and adjacent to former UST 5) at 2 and 8 feet bgs, were reported to have very low concentrations of constituents of concern. Additionally, although no soil samples were collected prior to the installation of groundwater monitoring wells MW-11 and MW-12 (located west of the site boundary), no physical signs (staining or odors) of soil contamination were observed in the soil cuttings.

No soil analytical data is available to the southwest and south of the source area borings. Observation of soil cuttings during the installation of groundwater monitoring well MW-10 (located off site and adjacent to the southwest corner of the site) indicated no physical signs of soil contamination. Additionally, no constituents of concern were detected above reporting limits in groundwater samples collected from boring B-10 or recently installed well MW-10. TPHd and kerosene concentrations were reported in groundwater samples collected from 2007 boring B-11, located south of the southern site boundary. This boring was located upgradient of the former USTs, so it appears that there may be either a source for groundwater contamination in the vicinity of this boring, or contaminated groundwater is migrating from another area.

An area of soil contamination was observed in shallow (2 feet. bgs) and mid-range depth (5 feet bgs) in soil samples collected from the east-central portion of the site, directly to the east and upgradient of the source area. Shallow soil samples collected from borings B-2 and SB-12 contained elevated TPHd concentrations. TPHd contamination in this area appears to attenuate with depth because no significant TPHd impacted soil was reported below

5 feet bgs. Since no constituents of concern were reported in the closest groundwater monitoring well (MW-3), located downgradient of the soil contamination, the soil contamination does not appear to have migrated to groundwater, and is probably not related to subsurface features. Constituents of concern were not detected in soil samples collected from boring SB-9, the nearest boring to the east.

An area of soil contamination upgradient of the source areas, in the southeastern portion of the site was encountered during the recent investigation. Physical observations, PID screenings, and analytical data from boring SB-11 indicated that petroleum hydrocarbon and other contamination exists in this area to a depth of approximately 10 feet bgs. Moderate concentrations of TPHd and other compounds were detected in soil samples SB-11 at 3 feet bgs and SB-11 at 8 feet bgs. Naphthalene was also detected at 15.0 mg/kg in sample SB-11 at 8 feet bgs. The vertical extent of soil contamination is defined by no detectable constituents of concern in sample SB-11 at 11 feet bgs. A shallow soil sample was also collected at an adjacent boring, B-7, where TPHd was reported in moderate concentrations.

6.2. Groundwater

Groundwater analytical data is presented in Tables 3 and 4. Isoconcentration contour maps for dissolved-phase TPHd, TPHg, and benzene are presented on Figures 5, 6, and 7, respectively. Groundwater flow direction was toward the northwest in October of 2008.

Petroleum hydrocarbon contamination exists in shallow groundwater in the source area of the former USTs. Petroleum hydrocarbon concentrations in source area wells MW-6 and MW-8 decreased since the last groundwater monitoring event in July of 2007. Contaminant concentrations in wells MW-1 and MW-2, located immediately downgradient of the source areas, also displayed decreases during the October 2008 sampling event.

The downgradient extent of TPHd and benzene has been delineated, however the downgradient extent of TPHg appears to extend northwest of the furthest downgradient wells, MW-5 and MW-12. TPHd and benzene were not reported in either of these wells.

The limit of groundwater contamination is delineated to the southwest (cross-gradient) by no detectable constituents of concern in wells MW-10 an MW-11.

The extent of groundwater contamination is delineated to the northeast (cross-gradient) by either low or no detectable constituents of concern in well MW-7.

The groundwater sample collected from well MW-9 provides analytical data to assess potential contaminant impacts to groundwater in the eastern portion of the site. Since no contaminants of concern were detected in the groundwater sample collected from well MW-9, it appears that no contamination exists in groundwater in eastern portion of the site.

Results of laboratory analysis indicate the deeper groundwater bearing zone, characterized by the results of discreet groundwater samples DB-1B, DB-2, and DB-3, is free of significant concentrations of petroleum hydrocarbon compounds. Groundwater samples DB-1B and DB-2 contained minimal concentrations of TPHg and no detectable concentrations of BTEX or MTBE. No detectable petroleum hydrocarbon, BTEX, or MTBE concentrations were detected in groundwater sample DB-3.

6.3. Soil Vapor

Recent soil vapor borings SV-1 through SV-6 were installed and sampled in order to evaluate vapor conditions in the eastern portion of the site. Soil vapor sample locations are presented on Figure 2 and soil vapor analytical results are summarized in Table 5.

No significant concentrations of any constituent of concern were detected in any soil vapor sample, with respect to residential regulatory screening levels.

7. CONCLUSIONS AND RECOMMENDATIONS

Based on the results of the recent and previous site assessments, Ninyo & Moore presents the following conclusions:

- Soil contamination is generally limited to source area soils although localized areas of soil contamination exist in shallow soils north and east of the source area.

- Groundwater with concentrations of residual hydrocarbons is limited to the source area in the vicinity of the former USTs (T1 through T8). The plume of TPH groundwater contamination is stable and only low concentrations of TPHg appear to have migrated downgradient and beyond the northwest site boundary.

- The deeper water bearing zone contains no significant petroleum hydrocarbon contamination.

- No potentially hazardous soil vapor conditions exist in the eastern portion of the site as delineated by soil vapor borings SV-1 through SV-6.

Based on these conclusions, Ninyo & Moore recommends the completion of two quarters of additional groundwater monitoring. This monitoring will be conducted to evaluate seasonal trends of residual hydrocarbon concentrations in groundwater. Groundwater samples will be collected for analysis of concentrations of TPHg, TPHd and BTEX/MTBE.

Recommendations for appropriate remedial action will be presented with the Second Quarter 2009 Groundwater Monitoring Report.

TABLE 1. SOIL ANALYTICAL DATA - TPH, BTEX & MTBE - Former Holland Oil Facility, 16301 East 14th Street, San Leandro, California

Sample I.D.	Date	Depth (ft bgs)	TPH-d	Kerosene	TPH-g	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
			← Analytical Results (mg/kg) →							
B-1-S-2.0	7/2/2007	2.0	67	15	4	--	--	--		--
B-1-S-5.0	7/2/2007	5.0	3.2	3.3	1.1	--	--	--		--
B-1-S-6.5	7/2/2007	6.5	11,000	5,900	67	--	--	--		--
B-2-S-2.0	7/2/2007	2.0	15,000	4,600	37	--	--	--		--
B-2-S-5.0	7/2/2007	5.0	7,000	2,000	ND<1.0	--	--	--		--
B-2-S-6.5	7/2/2007	6.5	1.2	ND<1.0	ND<1.0	--	--	--		--
B-3-S-2.0	7/2/2007	2.0	18	ND<2.0	ND<1.0	--	--	--		--
B-4-S-2.0	7/2/2007	2.0	8.4	1.9	ND<1.0	--	--	--		--
B-4-S-5.0	7/2/2007	5.0	2	1.2	ND<1.0	--	--	--		--
B-4-S-8.0	7/2/2007	8.0	5,100	5,600	410	--	--	--		--
B-5-S-2.0	7/2/2007	2.0	1.5	ND<1.0	ND<1.0	--	--	--		--
B-7-S-2.0	7/2/2007	2.0	1,900	380	13	--	--	--		--
B-8-S-2.0	7/2/2007	2.0	2.1	1.2	ND<1.0	--	--	--		--
B-8-S-8.0	7/2/2007	8.0	23	14	14	--	--	--		--
MW-6-S-2.0	7/2/2007	2.0	1,200	760	1.7	--	--	--		--
MW-6-S-5.0	7/2/2007	5.0	1,500	850	34	--	--	--		--
MW-6-S-6.5	7/2/2007	6.5	2,000	1,300	54	--	--	--		--
MW-7-S-2.0	7/2/2007	2.0	770	74	ND<1.0	--	--	--		--
MW-7-S-5.0	7/2/2007	5.0	34	ND<5.0	ND<1.0	--	--	--		--
MW-7-S-7.5	7/2/2007	7.5	16	ND<2.0	ND<1.0	--	--	--		--
MW-8-S-2.0	7/2/2007	2.0	110	140	5,700	--	--	--		--
MW-8-S-5.0	7/2/2007	5.0	14,000	16,000	5,200	--	--	--		--
MW-8-S-6.5	7/2/2007	6.5	1,700	1,600	3,800	--	--	--		--

TABLE 1. SOIL ANALYTICAL DATA - TPH, BTEX & MTBE - Former Holland Oil Facility, 16301 East 14th Street, San Leandro, California

Sample I.D.	Date	Depth (ft bgs)	TPH-d	Kerosene	TPH-g	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
			← Analytical Results (mg/kg) →							
MW-9-2	10/1/2008	2.0	ND<1.0	--	ND<0.5	ND<0.002	ND<0.002	ND<0.002	ND<0.004	ND<0.0005
MW-9-5	10/1/2008	5.0	ND<1.0	--	ND<0.5	ND<0.002	ND<0.002	ND<0.002	ND<0.004	ND<0.0005
MW-9-10	10/1/2008	10.0	ND<1.0	--	ND<0.5	ND<0.002	ND<0.002	ND<0.002	ND<0.004	ND<0.0005
SB-9-2	10/2/2008	2.0	ND<1.0	--	ND<0.5	ND<0.002	ND<0.002	ND<0.002	ND<0.004	ND<0.0005
SB-9-5	10/2/2008	5.0	ND<1.0	--	ND<0.5	ND<0.002	ND<0.002	ND<0.002	ND<0.004	ND<0.0005
SB-9-10	10/2/2008	10.0	ND<1.0	--	ND<0.5	ND<0.002	ND<0.002	ND<0.002	ND<0.004	ND<0.0005
SB-10-2	10/2/2008	2.0	ND<1.0	--	ND<0.5	ND<0.002	ND<0.002	ND<0.002	ND<0.004	ND<0.0005
SB-10-5	10/2/2008	5.0	ND<1.0	--	ND<0.5	ND<0.002	ND<0.002	ND<0.002	ND<0.004	ND<0.0005
SB-10-10	10/2/2008	10.0	ND<1.0	--	ND<0.5	ND<0.002	ND<0.002	ND<0.002	ND<0.004	ND<0.0005
SB-11-3	10/2/2008	3.0	1,200	--	30	ND<0.002	ND<0.002	ND<0.002	ND<0.004	0.320
SB-11-8	10/2/2008	8.0	2,300	--	80	ND<0.002	ND<0.002	ND<0.002	ND<0.004	0.310
SB-11-11	10/2/2008	11.0	ND<1.0	--	ND<0.5	ND<0.002	ND<0.002	ND<0.002	ND<0.004	ND<0.0005
SB-12-2	10/2/2008	2.0	1,000	--	40	0.390	6.800	3.200	26.800	0.340
SB-12-5	10/2/2008	5.0	ND<1.0	--	ND<0.5	ND<0.002	ND<0.002	ND<0.002	ND<0.004	ND<0.0005
SB-12-10	10/2/2008	10.0	ND<1.0	--	ND<0.5	ND<0.002	ND<0.002	ND<0.002	ND<0.004	ND<0.0005

Notes and Abbreviations:
ft bgs = feet below ground surface
TPH-d = total petroleum hydrocarbons as diesel analyzed by EPA Method 8015B
kerosene analyzed by EPA Method 8015B
TPH-g = total petroleum hydrocarbons as gasoline analyzed by EPA Method 8015B
BTEX = benzene, toluene, ethylbenzene, xylenes analyzed by EPA Method 8260B
MTBE = methyl tert butyl ether analyzed by EPA Method 8260B
mg/kg = miligrams per kilogram
-- = not analyzed, not available, not applicaple
ND< X = not detected, below laboratory reporting limit of X

TABLE 2. SOIL ANALYTICAL DATA - VOCs - Former Holland Oil Facility, 16301 East 14th Street, San Leandro, California

Sample ID	Date	Depth (ft bgs)	Acetone	2-Butanone	Carbon disulfide	Isopropyl-benzene	n-Propyl-benzene	tert-Butyl-benzene	n-Butyl-benzene	Naphthalene	Other VOCs
			Analytical Results (mg/kg)								
MW-9-2	10/1/2008	2.0	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND
MW-9-5	10/1/2008	5.0	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND
MW-9-10	10/1/2008	10.0	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND
SB-9-2	10/2/2008	2.0	0.340	0.070	0.0045	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND
SB-9-5	10/2/2008	5.0	0.050	0.0071	0.0029	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND
SB-9-10	10/2/2008	10.0	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND
SB-10-2	10/2/2008	2.0	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND
SB-10-5	10/2/2008	5.0	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND
SB-10-10	10/2/2008	10.0	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND
SB-11-3	10/2/2008	3.0	1.200	2.600	ND<.200	0.400	1.100	0.200	2.100	2.700	sec-Butylbenzene (1.700)
SB-11-8	10/2/2008	8.0	0.460	2.100	ND<.200	1.100	4.400	0.780	26.000	15.000	sec-Butylbenzene (10.000)
SB-11-11	10/2/2008	11.0	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND
SB-12-2	10/2/2008	2.0	1.300	2.600	ND<.200	0.990	2.300	ND<.200	1.900	4.000	1,3,5-Trimethylbenzene (7.000) 4-Isopropyltoluene (1.300) 1,2,4-Trimethylbenzene (1.600)
SB-12-5	10/2/2008	5.0	0.050	0.010	0.0069	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND
SB-12-10	10/2/2008	10.0	0.0053	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND<.002	ND

Notes and Abbreviations:
ft bgs = feet below ground surface
VOCs analyzed using EPA Method 8260 B
mg/kg = miligrams per kilogram
ND< X = not detected, below laboratory reporting limit of X
ND = not detected

TABLE 3. GROUNDWATER ANALYTICAL DATA - TPH & VOCs - Former Holland Oil Facility, 16301 East 14th Street, San Leandro, California

Boring/Well ID (toc elev)	Sample Date	Sample Collection Depth (ft bgs)	Depth to Groundwater (ft btoc/ ft bgs)	Groundwater Elevation (ft msl)	TPH-d	Kerosene	TPH-g	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	1,4-Dichloro-benzene	Chloro-benzene	Isopropyl-benzene	n-Butyl-benzene	n-Propyl-benzene	sec-Butyl-benzene	tert-Butyl-benzene	Other VOCs
					Analytical Results (µg/L)															
Monitoring Well Groundwater Samples																				
MW-1	7/10/2007	Shallow WBZ	8.22	28.37	1,100	800	1,700	3	ND<0.5	1.3	ND<1.5	ND<0.5	0.51	0.84	51	27.0	130	25	1.9	ND
36.59	10/13/2008	Shallow WBZ	8.73	27.86	550	--	440	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	20	5.5	30	ND<1.0	ND<1.0	ND
MW-2	7/9/2007	Shallow WBZ	8.41	28.92	210	94	93	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<0.5	0.68	ND<0.5	0.6	0.52	ND<0.5	ND
37.33	10/13/2008	Shallow WBZ	9.04	28.29	ND<50	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND
MW-3	7/10/2007	Shallow WBZ	8.11	29.27	62	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND
37.38	10/13/2008	Shallow WBZ	8.77	28.61	ND<50	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND
MW-4	7/10/2007	Shallow WBZ	8.38	28.39	710	400	670	3.7	ND<0.5	ND<0.5	ND<1.5	13	0.51	1.7	20	7.9	42	12	1.2	1,2-Dichlorobenzene (0.51)
36.77	10/13/2008	Shallow WBZ	8.89	27.88	660	--	470	2.9	ND<1.0	ND<1.0	ND<1.0	1.9	ND<1.0	1.7	10	5.3	30	ND<1.0	ND<1.0	Carbon disulfide (2) Naphthalene (1.4)
MW-5	7/10/2007	Shallow WBZ	8.21	28.03	380	170	170	ND<0.5	ND<0.5	ND<0.5	ND<1.5	6.9	ND<0.5	ND<0.5	1.8	ND<0.5	2.3	0.94	0.51	ND
36.24	10/13/2008	Shallow WBZ	8.66	27.58	ND<50	--	70	ND<1.0	ND<1.0	ND<1.0	ND<1.0	20	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	Acetone (4.9)
MW-6	7/9/2007	Shallow WBZ	8.25	28.9	1,500	910	780	11	0.64	0.71	2.4	ND<0.5	9.1	2.1	20	5.4	32	7	0.57	1,2-Dichlorobenzene (0.58); 1,3-Dichlorobenzene (3.1); 2-Chlorotoluene (1.6)
37.15	10/13/2008	Shallow WBZ	8.85	28.30	600	--	470	7	ND<1.0	ND<1.0	1.1	ND<0.5	6.3	1.6	10	2.8	20	ND<1.0	ND<1.0	1,3-Dichlorobenzene (2)
MW-7	7/10/2007	Shallow WBZ	8.24	28.58	510	91	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	0.94	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND
36.82	10/13/2008	Shallow WBZ	8.75	28.07	ND<50	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND
MW-8	7/9/2007	Shallow WBZ	8.16	28.65	790	500	2,100	110	6.8	76	215	ND<0.5	ND<0.5	3.8	12	7.2	30	2.5	0.59	1,2,4-Trimethylbenzene (82); 1,3,5-Trimethylbenzen (30); 4-Isopropyltoluene (3.5)
36.81	10/14/2008	Shallow WBZ	8.69	28.12	500	--	390	50	1.4	10	23.2	ND<0.5	ND<1.0	2.6	3.3	ND<1.0	8.6	ND<1.0	ND<1.0	Naphthalene (4.9)
MW-9	10/14/2008	Shallow WBZ	8.11	29.11	ND<50	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND
37.22																				
MW-10	10/14/2008	Shallow WBZ	8.77	28.02	ND<50	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND
36.79																				
MW-11	10/14/2008	Shallow WBZ	8.35	27.85	ND<50	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	Acetone (10) Carbon disulfide (2.4)
36.2																				
MW-12	10/14/2008	Shallow WBZ	8.51	27.55	ND<50	--	110	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND
36.06																				
2008 Discrete Groundwater Samples																				
DB-1B	10/1/2008	34-37	9.05	--	ND<50	--	120	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	cis-1,2-Dichloroethene (1.9)
DB-2	10/1/2008	34-37	9.12	--	ND<50	--	60	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND
DB-3	10/1/2008	34-37	9.80	--	ND<50	--	ND<50	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<0.5	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	Acetone (6.0) Carbon disulfide (1.1)
2007 Grab Groundwater Samples																				
B-9-GW	8/10/2007	Shallow WBZ	7.85	--	ND<50	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	Chloromethane (0.67)
B-10-GW	8/10/2007	Shallow WBZ	7.85	--	ND<50	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND
B-11-GW	8/10/2007	Shallow WBZ	7.40	--	740	270	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND

TABLE 3. GROUNDWATER ANALYTICAL DATA - TPH & VOCs - Former Holland Oil Facility, 16301 East 14th Street, San Leandro, California

Boring/Well ID (toc elev)	Sample Date	Sample Collection Depth (ft bgs)	Depth to Groundwater (ft btoc/ ft bgs)	Groundwater Elevation (ft msl)	TPH-d	Kerosene	TPH-g	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	1,4-Dichloro-benzene	Chloro-benzene	Isopropyl-benzene	n-Butyl-benzene	n-Propyl-benzene	sec-Butyl-benzene	tert-Butyl-benzene	Other VOCs
					Analytical Results (µg/L)															

Notes and Abbreviations:
TPH = total petroleum hydrocarbons analyzed by EPA Method 8015B
VOCs = volatile organic compounds analyzed by EPA Method 8260B
toc elev = top of casing elevation in feet above mean sea level
ft btoc= feet below top of casing
ft bgs= feet below ground surface
ft msl = feet above mean sea level
TPH-d = total petroleum hydrocarbons as diesel analyzed by EPA Method 8015B
Kerosene analyzed by EPA Method 8015B
TPH-g = total petroleum hydrocarbons as gasoline analyzed by EPA Method 8015B
BTEX = benzene, toluene, ethylbenzene, xylenes analyzed by EPA Method 8260B
MTBE = methyl tert butyl ether analyzed by EPA Method 8260B
µg/L = micrograms per liter
WBZ = water bearing zone
-- = not analyzed, not available, not applicaple
ND< X = not detected, below laboratory reporting limit of X

TABLE 4. GROUNDWATER ANALYTICAL DATA - PAHs - Former Holland Oil Facility, 16301 East 14th Street, San Leandro, California

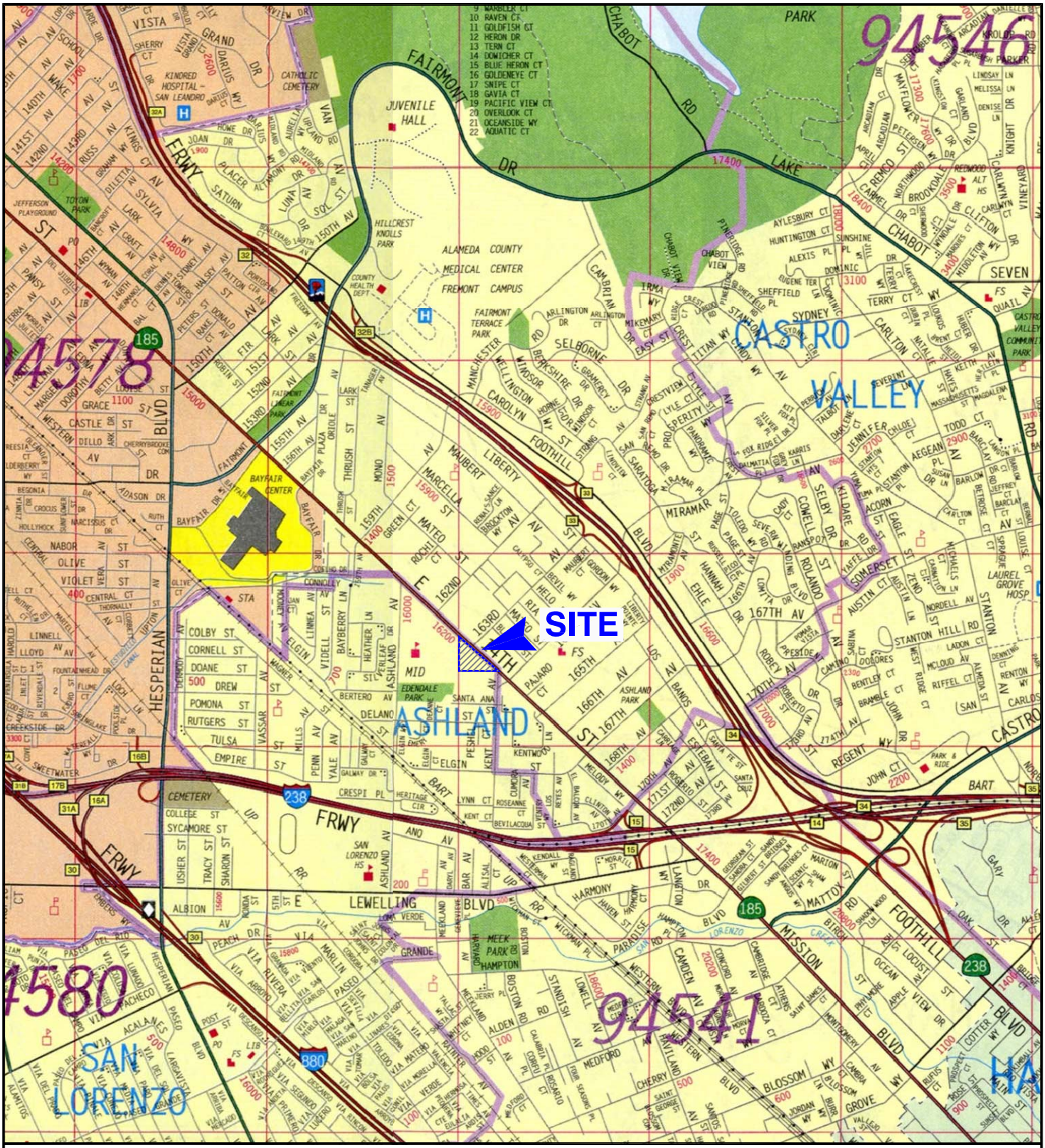
Monitoring Well ID (toc elev)	Sample I.D.	Sample Date	Depth to Groundwater (ft btoc)	Groundwater Elevation (ft msl)	Acenaphthene	Flourene	Naphthalene	Phenanthrene	Other PAHs
					← Analytical Results (µg/L) →				
Monitoring Well Groundwater Samples									
MW-1 *36.59*	MW-1-GW	7/10/2007	8.22	28.37	0.52	0.63	ND<0.2	ND<0.2	ND
MW-2 *37.33*	MW-2-GW	7/9/2007	8.41	28.92	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND
MW-3 *37.38*	MW-3-GW	7/10/2007	8.11	29.27	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND
MW-4 *36.77*	MW-4-GW	7/10/2007	8.38	28.39	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND
MW-5 *36.24*	MW-5-GW	7/10/2007	8.21	28.03	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND
MW-6 *37.15*	MW-6-GW	7/9/2007	8.25	28.90	0.37	1.1	ND<0.2	1.1	ND
MW-7 *36.82*	MW-7-GW	7/10/2007	8.24	28.58	ND<0.2	ND<0.2	ND<0.2	ND<0.2	ND
MW-8 *36.81*	MW-8-GW	7/9/2007	8.16	28.65	ND<0.2	0.29	40	0.32	ND

Notes and Abbreviations:
PAHs = polycyclic aromatic hydrocarbons analyzed by EPA Method 8270C-SIM
ft btoc= feet below top of casing
ft msl = feet above mean sea level
µg/L = micrograms per liter
-- = not analyzed, not available, not applicaple
ND< X = not detected, below laboratory reporting limit of X

TABLE 5. SOIL VAPOR ANALYTICAL DATA - VOCs - Former Holland Oil Facility, 16301 East 14th Street, San Leandro, California

	Sample ID					
	SV-1	**SV-2**	**SV-3**	**SV-4**	**SV-5**	**SV-6**
Analyte	← **Analytical Results (µg/m³)** →					
1,1 - Dichloroethene	ND<2.0	ND<2.0	ND<40	ND<2.0	ND<2.0	ND<10
1,1,1,2-Tetrachloroethane	ND<3.4	ND<3.4	ND<34	ND<3.4	ND<3.4	ND<170
1,1,1-Trichloroethane	ND<2.7	ND<2.7	ND<41	ND<2.7	ND<2.7	ND<14
1,1,2,2-Tetrachloroethane	ND<3.4	ND<3.4	ND<52	ND<3.4	ND<3.4	ND<170
1,1,2-Trichloroethane	ND<2.7	ND<2.7	ND<52	ND<2.7	ND<2.7	ND<14
1,1-Dichloroethane	ND<2.0	ND<2.0	ND<34	ND<2.0	ND<2.0	ND<10
1,1-Difluoroethane	ND<27	ND<27	ND<1400	ND<27	ND<27	ND<140
1,2,4-Trichlorobenzene	ND<3.6	ND<3.6	ND<25	ND<3.6	ND<3.6	ND<180
1,2,4-Trimethylbenzene	ND<2.5	ND<2.5	ND<44	ND<2.5	ND<2.5	ND<120
1,2-Dibromoethane(Ethylene dibromide)	ND<3.8	ND<3.8	ND<54	ND<3.8	ND<3.8	ND<19
1,2-Dichlorobenzene	ND<3.0	ND<3.0	ND<30	ND<3.0	ND<3.0	ND<150
1,2-Dichloroethane	ND<2.0	ND<2.0	ND<32	ND<2.0	ND<2.0	ND<10
1,2-Dichloropropane	ND<2.3	ND<2.3	ND<51	ND<2.3	ND<2.3	ND<12
1,3,5-Trimethylbenzene	ND<2.5	ND<2.5	ND<34	ND<2.5	ND<2.5	ND<120
1,3-Butadiene	ND<4.4	ND<4.4	ND<30	ND<4.4	ND<4.4	ND<22
1,3-Dichlorobenzene	ND<3.0	ND<3.0	ND<18	ND<3.0	ND<3.0	ND<150
1,4-Dichlorobenzene	ND<3.0	ND<3.0	ND<33	ND<3.0	ND<3.0	ND<150
1,4-Dioxane	ND<1.8	ND<1.8	ND<25	ND<1.8	ND<1.8	ND<9
2-Butanone (MEK)	**13**	**11**	ND<22	**4.3**	**6.2**	ND<7.4
2-Hexanone	ND<2.0	ND<2.0	ND<43	ND<2.0	ND<2.0	ND<10
4-Ethyl Toluene	ND<2.5	ND<2.5	ND<37	ND<2.5	ND<2.5	ND<120
4-Methyl-2-Pentanone (MIBK)	ND<2.0	ND<2.0	ND<33	ND<2.0	ND<2.0	ND<10
Acetone	**59**	**95**	**610**	**86**	**54**	**460**
Benzene	**2**	ND<1.6	ND<45	ND<1.6	ND<1.6	ND<8
Bromodichloromethane	ND<3.4	ND<3.4	ND<44	ND<3.4	ND<3.4	ND<17
Bromoform	ND<5.2	ND<5.2	ND<88	ND<5.2	ND<5.2	ND<260
Bromomethane	ND<1.9	ND<1.9	ND<39	ND<1.9	ND<1.9	ND<9.7
Carbon Disulfide	ND<1.6	**4.60**	ND<25	ND<1.6	ND<1.6	ND<7.8
Carbon Tetrachloride	ND<3.2	ND<3.2	ND<47	ND<3.2	ND<3.2	ND<16
Chlorobenzene	ND<2.3	ND<2.3	ND<21	ND<2.3	ND<2.3	ND<120
Chloroethane	ND<1.3	ND<1.3	ND<20	ND<1.3	ND<1.3	ND<6.6
Chloroform	ND<2.4	ND<2.4	ND<98	ND<2.4	ND<2.4	ND<12
Chloromethane	ND<1.0	ND<1.0	ND<36	ND<1.0	ND<1.0	ND<5.2
cis-1,2-dichloroethene	ND<2.0	ND<2.0	ND<28	ND<2.0	ND<2.0	ND<9.9
cis-1,3-Dichloropropene	ND<2.3	ND<2.3	ND<18	ND<2.3	ND<2.3	ND<11
Dibromochloromethane	ND<4.3	ND<4.3	ND<47	ND<4.3	ND<4.3	ND<21
Dichlorodifluoromethane	ND<2.5	ND<2.5	ND<37	ND<2.5	ND<2.5	ND<12
Diisopropyl ether (DIPE)	ND<2.1	ND<2.1	ND<33	ND<2.1	ND<2.1	ND<10
Ethyl Acetate	ND<1.8	ND<1.8	ND<21	ND<1.8	ND<1.8	ND<9
Ethyl Benzene	ND<2.2	ND<2.2	ND<16	ND<2.2	ND<2.2	ND<110
Ethyl tert-butyl ether (ETBE)	ND<2.1	ND<2.1	ND<33	ND<2.1	ND<2.1	ND<10
Freon 113	ND<3.8	ND<3.8	ND<46	ND<3.8	ND<3.8	ND<19
Hexachlorobutadiene	ND<5.3	ND<5.3	ND<91	ND<5.3	ND<5.3	ND<270
Hexane	ND<14	ND<14	ND<90	ND<14	ND<14	ND<70
Isopropanol*	**27**	ND<16	ND<82	ND<16	ND<16	ND<82
m,p-Xylene	**11**	**17**	ND<25	<2.0	**11**	ND<100
Methylene Chloride	ND<3.6	ND<3.6	ND<34	ND<3.6	ND<3.6	ND<18
MTBE	ND<1.8	ND<1.8	ND<25	ND<1.8	ND<1.8	**50**
Naphthalene	ND<2.6	ND<2.6	ND<130	ND<2.6	ND<2.6	ND<130
o-xylene	ND<2.2	ND<2.2	ND<31	ND<2.2	ND<2.2	ND<110
Styrene	ND<2.1	ND<2.1	ND<32	ND<2.1	ND<2.1	ND<110
t-Butyl alcohol (t-Butanol)	ND<6.1	ND<6.1	ND<24	ND<6.1	ND<6.1	ND<30
tert-Amyl methyl ether (TAME)	ND<2.1	ND<2.1	ND<33	ND<2.1	ND<2.1	ND<10
Tetrachloroethene (PCE)	ND<3.4	ND<3.4	ND<64	ND<3.4	ND<3.4	ND<17
Toluene	**15**	**16**	ND<26	**3.2**	**19**	ND<9.4
trans-1,2-Dichloroethene	ND<2.0	ND<2.0	ND<28	ND<2.0	ND<2.0	ND<9.9
Trichloroethene	ND<2.7	ND<2.7	ND<26	ND<2.7	ND<2.7	ND<13
Trichlorofluoromethane	ND<2.5	ND<2.5	ND<35	ND<2.5	ND<2.5	ND<12
Vinyl Acetate	ND<1.8	ND<1.8	ND<32	ND<1.8	ND<1.8	ND<8.8
Vinyl Chloride	ND<1.3	ND<1.3	ND<12	ND<1.3	ND<1.3	ND<6.4

Notes:
ND< X = not detected, below laboratory reporting limit of X
µg/m³ = micrograms per cubic meter
Soil gas samples analyzed using US EPA Method TO-15
* indicates Isopropanol was used as a leak detection compound.
Bold indicates analysis above laboratory reporting limits



REFERENCE: 2005 THOMAS GUIDE FOR ALAMEDA, CONTRA COSTA, MARIN, SAN FRANCISCO, SAN MATEO AND SANTA CLARA COUNTIES, STREET GUIDE AND DIRECTORY.

APPROXIMATE SCALE IN FEET

0 1900 3800

N

NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

Ninyo & Moore	SITE LOCATION MAP	FIGURE
PROJECT NO. 401314002 / DATE 11/08	FORMER HOLLAND OIL FACILITY 16301 EAST 14th STREET SAN LEANDRO, CALIFORNIA	1

LEGEND

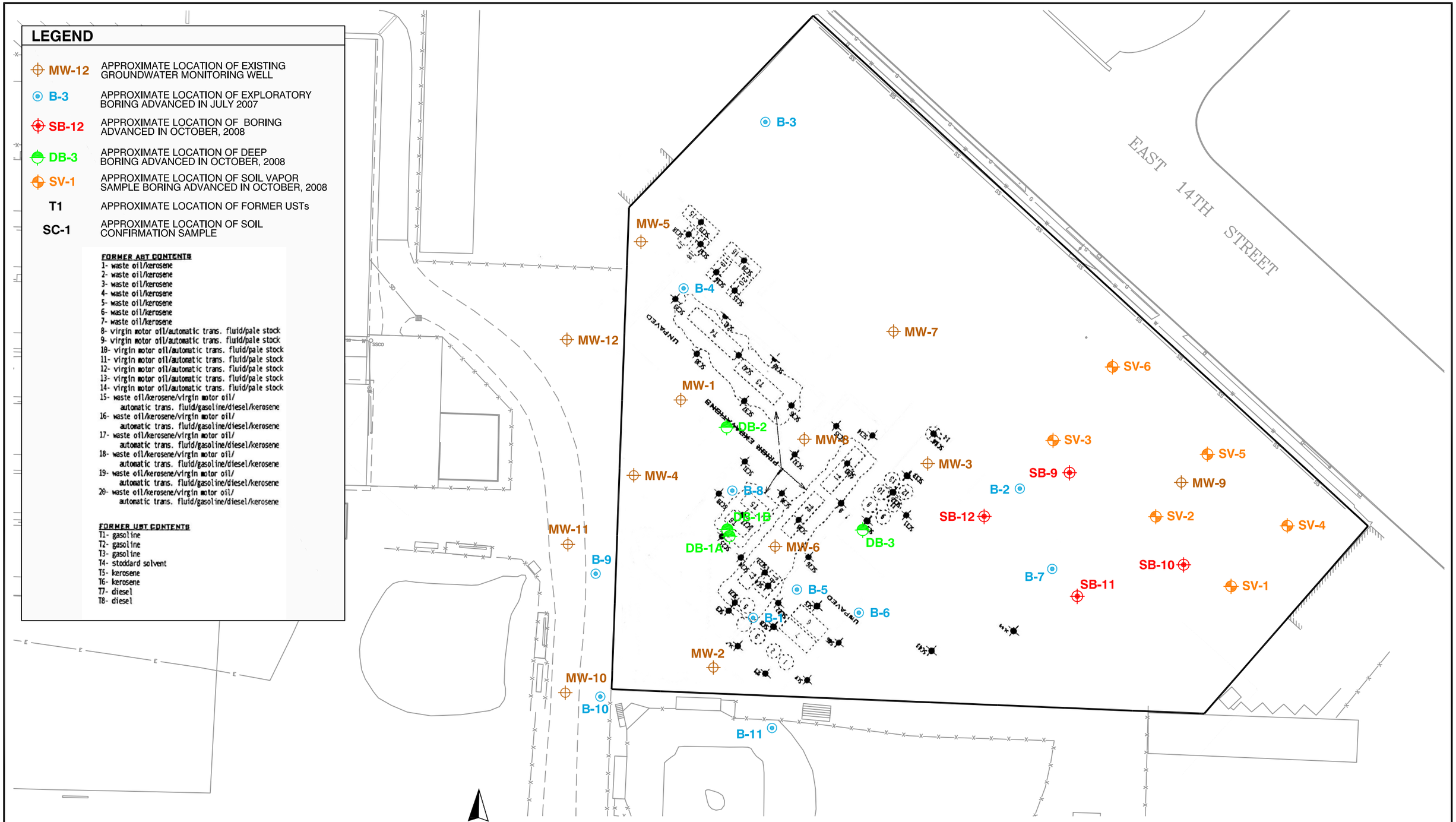
MW-12	APPROXIMATE LOCATION OF EXISTING GROUNDWATER MONITORING WELL
B-3	APPROXIMATE LOCATION OF EXPLORATORY BORING ADVANCED IN JULY 2007
SB-12	APPROXIMATE LOCATION OF BORING ADVANCED IN OCTOBER, 2008
DB-3	APPROXIMATE LOCATION OF DEEP BORING ADVANCED IN OCTOBER, 2008
SV-1	APPROXIMATE LOCATION OF SOIL VAPOR SAMPLE BORING ADVANCED IN OCTOBER, 2008
T1	APPROXIMATE LOCATION OF FORMER USTs
SC-1	APPROXIMATE LOCATION OF SOIL CONFIRMATION SAMPLE

FORMER ABT CONTENTS

1- waste oil/kerosene
2- waste oil/kerosene
3- waste oil/kerosene
4- waste oil/kerosene
5- waste oil/kerosene
6- waste oil/kerosene
7- waste oil/kerosene
8- virgin motor oil/automatic trans. fluid/pale stock
9- virgin motor oil/automatic trans. fluid/pale stock
10- virgin motor oil/automatic trans. fluid/pale stock
11- virgin motor oil/automatic trans. fluid/pale stock
12- virgin motor oil/automatic trans. fluid/pale stock
13- virgin motor oil/automatic trans. fluid/pale stock
14- virgin motor oil/automatic trans. fluid/pale stock
15- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene
16- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene
17- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene
18- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene
19- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene
20- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene

FORMER UST CONTENTS

T1- gasoline
T2- gasoline
T3- gasoline
T4- stoddard solvent
T5- kerosene
T6- kerosene
T7- diesel
T8- diesel



NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

REFERENCE: VIRGIL CHAVEZ LAND SURVEYING 2008, ENVIRONMENTAL BIO–SYSTEM, INC 2003.

Ninyo & Moore	SITE PLAN	FIGURE
PROJECT NO. 401314002 / DATE 11/08	FORMER HOLLAND OIL FACILITY 16301 EAST 14th STREET SAN LEANDRO, CALIFORNIA	2

LEGEND

MW-12	APPROXIMATE LOCATION OF EXISTING GROUNDWATER MONITORING WELL
B-3	APPROXIMATE LOCATION OF EXPLORATORY BORING ADVANCED IN JULY 2007
SB-12	APPROXIMATE LOCATION OF BORING ADVANCED IN OCTOBER, 2008
DB-3	APPROXIMATE LOCATION OF DEEP BORING ADVANCED IN OCTOBER, 2008
SV-1	APPROXIMATE LOCATION OF SOIL VAPOR SAMPLE BORING ADVANCED IN OCTOBER, 2008
T1	APPROXIMATE LOCATION OF FORMER USTs
SC-1	APPROXIMATE LOCATION OF SOIL CONFIRMATION SAMPLE
– –	NOT ANALYZED
ND<X	NOT DETECTED ABOVE LABORATORY REPORTING LIMIT OF X
TPH-d	TOTAL PETROLEUM HYDROCARBONS AS DIESEL
TPH-g	TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
MTBE	METHYL TERT BUTYL ETHER
mg/kg	MILLIGRAMS PER KILOGRAM

FORMER ABT CONTENTS

1- waste oil/kerosene
2- waste oil/kerosene
3- waste oil/kerosene
4- waste oil/kerosene
5- waste oil/kerosene
6- waste oil/kerosene
7- waste oil/kerosene
8- virgin motor oil/automatic trans. fluid/pale stock
9- virgin motor oil/automatic trans. fluid/pale stock
10- virgin motor oil/automatic trans. fluid/pale stock
11- virgin motor oil/automatic trans. fluid/pale stock
12- virgin motor oil/automatic trans. fluid/pale stock
13- virgin motor oil/automatic trans. fluid/pale stock
14- virgin motor oil/automatic trans. fluid/pale stock
15- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene
16- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene
17- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene
18- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene
19- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene
20- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene

FORMER UST CONTENTS

T1- gasoline
T2- gasoline
T3- gasoline
T4- stoddard solvent
T5- kerosene
T6- kerosene
T7- diesel
T8- diesel

EAST 14TH STREET

B-4 7/2007

DEPTH (FT)	2	5	8
ANALYTE	RESULT (mg/kg)		
TPH-d	8.4	2	5,100
TPH-g	ND<1.0	ND<1.0	410
BENZENE	--	--	--
MTBE	--	--	--

B-3 7/2007

DEPTH (FT)	2
ANALYTE	RESULT (mg/kg)
TPH-d	18
TPH-g	ND<1.0
BENZENE	--
MTBE	--

MW-7 7/2007

DEPTH (FT)	2	5	7.5
ANALYTE	RESULT (mg/kg)		
TPH-d	770	34	16
TPH-g	ND<1.0	ND<1.0	ND<1.0
BENZENE	--	--	--
MTBE	--	--	--

SB-9 10/2008

DEPTH (FT)	2	5	10
ANALYTE	RESULT (mg/kg)		
TPH-d	ND<1.0	ND<1.0	ND<1.0
TPH-g	ND<0.5	ND<0.5	ND<0.5
BENZENE	ND<0.002	ND<0.002	ND<0.002
MTBE	ND<0.0005	ND<0.0005	ND<0.0005

MW-8 7/2007

DEPTH (FT)	2	5	6.5
ANALYTE	RESULT (mg/kg)		
TPH-d	110	14,000	1,700
TPH-g	5,700	5,200	3,800
BENZENE	--	--	--
MTBE	--	--	--

B-2 7/2007

DEPTH (FT)	2	5	6.5
ANALYTE	RESULT (mg/kg)		
TPH-d	15,000	7,000	1.2
TPH-g	37	ND<1.0	ND<1.0
BENZENE	--	--	--
MTBE	--	--	--

MW-9 10/2008

DEPTH (FT)	2	5	10
ANALYTE	RESULT (mg/kg)		
TPH-d	ND<1.0	ND<1.0	ND<1.0
TPH-g	ND<0.5	ND<0.5	ND<0.5
BENZENE	ND<0.002	ND<0.002	ND<0.002
MTBE	ND<0.0005	ND<0.0005	ND<0.0005

B-8 7/2007

DEPTH (FT)	2	8
ANALYTE	RESULT (mg/kg)	
TPH-d	2.1	23
TPH-g	ND<1.0	14
BENZENE	--	--
MTBE	--	--

SB-12 10/2008

DEPTH (FT)	2	5	10
ANALYTE	RESULT (mg/kg)		
TPH-d	1,000	ND<1.0	ND<1.0
TPH-g	40	ND<0.5	ND<0.5
BENZENE	0.390	ND<0.002	ND<0.002
MTBE	0.340	ND<0.0005	ND<0.0005

B-5 7/2007

DEPTH (FT)	2
ANALYTE	RESULT (mg/kg)
TPH-d	1.5
TPH-g	ND<1.0
BENZENE	--
MTBE	--

MW-6 7/2007

DEPTH (FT)	2	5	6.5
ANALYTE	RESULT (mg/kg)		
TPH-d	1,200	1,500	2,000
TPH-g	1.7	34	54
BENZENE	--	--	--
MTBE	--	--	--

B-7 7/2007

DEPTH (FT)	2
ANALYTE	RESULT (mg/kg)
TPH-d	1,900
TPH-g	13
BENZENE	--
MTBE	--

SB-10 10/2008

DEPTH (FT)	2	5	10
ANALYTE	RESULT (mg/kg)		
TPH-d	ND<1.0	ND<1.0	ND<1.0
TPH-g	ND<0.5	ND<0.5	ND<0.5
BENZENE	ND<0.002	ND<0.002	ND<0.002
MTBE	ND<0.0005	ND<0.0005	ND<0.0005

B-1 7/2007

DEPTH (FT)	2	5	6.5
ANALYTE	RESULT (mg/kg)		
TPH-d	67	3.2	11,000
TPH-g	4	1.1	67
BENZENE	--	--	--
MTBE	--	--	--

SB-11 10/2008

DEPTH (FT)	3	8	11
ANALYTE	RESULT (mg/kg)		
TPH-d	1,200	2,300	ND<1.0
TPH-g	30	80	ND<0.5
BENZENE	ND<0.002	ND<0.002	ND<0.002
MTBE	0.320	0.310	ND<0.0005

N

APPROXIMATE SCALE IN FEET

0 50 100

NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

REFERENCE: VIRGIL CHAVEZ LAND SURVEYING 2008, ENVIRONMENTAL BIO-SYSTEM, INC 2003.

Ninyo & Moore	SOIL ANALYTICAL RESULTS FOR TPH-d, TPH-g, BENZENE AND MTBE	FIGURE
PROJECT NO. 401314002 / DATE 11/08	FORMER HOLLAND OIL FACILITY 16301 EAST 14th STREET SAN LEANDRO, CALIFORNIA	3

LEGEND

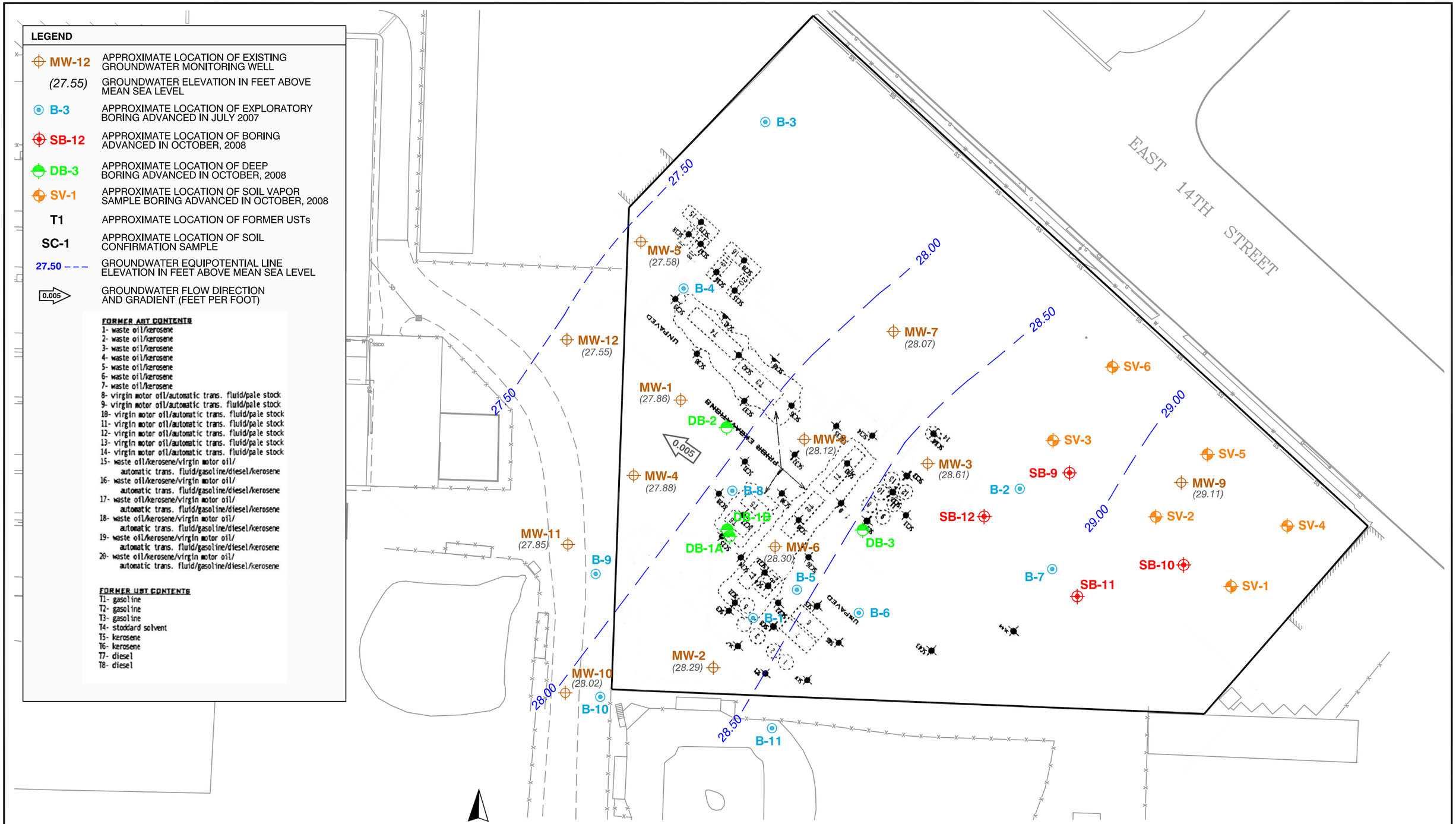
MW-12	APPROXIMATE LOCATION OF EXISTING GROUNDWATER MONITORING WELL
(27.55)	GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL
B-3	APPROXIMATE LOCATION OF EXPLORATORY BORING ADVANCED IN JULY 2007
SB-12	APPROXIMATE LOCATION OF BORING ADVANCED IN OCTOBER, 2008
DB-3	APPROXIMATE LOCATION OF DEEP BORING ADVANCED IN OCTOBER, 2008
SV-1	APPROXIMATE LOCATION OF SOIL VAPOR SAMPLE BORING ADVANCED IN OCTOBER, 2008
T1	APPROXIMATE LOCATION OF FORMER USTs
SC-1	APPROXIMATE LOCATION OF SOIL CONFIRMATION SAMPLE
27.50	GROUNDWATER EQUIPOTENTIAL LINE ELEVATION IN FEET ABOVE MEAN SEA LEVEL
0.005	GROUNDWATER FLOW DIRECTION AND GRADIENT (FEET PER FOOT)

FORMER ABT CONTENTS

1- waste oil/kerosene
2- waste oil/kerosene
3- waste oil/kerosene
4- waste oil/kerosene
5- waste oil/kerosene
6- waste oil/kerosene
7- waste oil/kerosene
8- virgin motor oil/automatic trans. fluid/pale stock
9- virgin motor oil/automatic trans. fluid/pale stock
10- virgin motor oil/automatic trans. fluid/pale stock
11- virgin motor oil/automatic trans. fluid/pale stock
12- virgin motor oil/automatic trans. fluid/pale stock
13- virgin motor oil/automatic trans. fluid/pale stock
14- virgin motor oil/automatic trans. fluid/pale stock
15- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene
16- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene
17- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene
18- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene
19- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene
20- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene

FORMER UST CONTENTS

T1- gasoline
T2- gasoline
T3- gasoline
T4- stoddard solvent
T5- kerosene
T6- kerosene
T7- diesel
T8- diesel



N

APPROXIMATE SCALE IN FEET

0 50 100

NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

REFERENCE: VIRGIL CHAVEZ LAND SURVEYING 2008, ENVIRONMENTAL BIO–SYSTEM, INC 2003.

Ninyo & Moore	SHALLOW GROUNDWATER ELEVATION CONTOUR MAP - OCTOBER 13-14, 2008	FIGURE
PROJECT NO. / DATE	FORMER HOLLAND OIL FACILITY 16301 EAST 14th STREET SAN LEANDRO, CALIFORNIA	4
401314002 / 11/08		

LEGEND

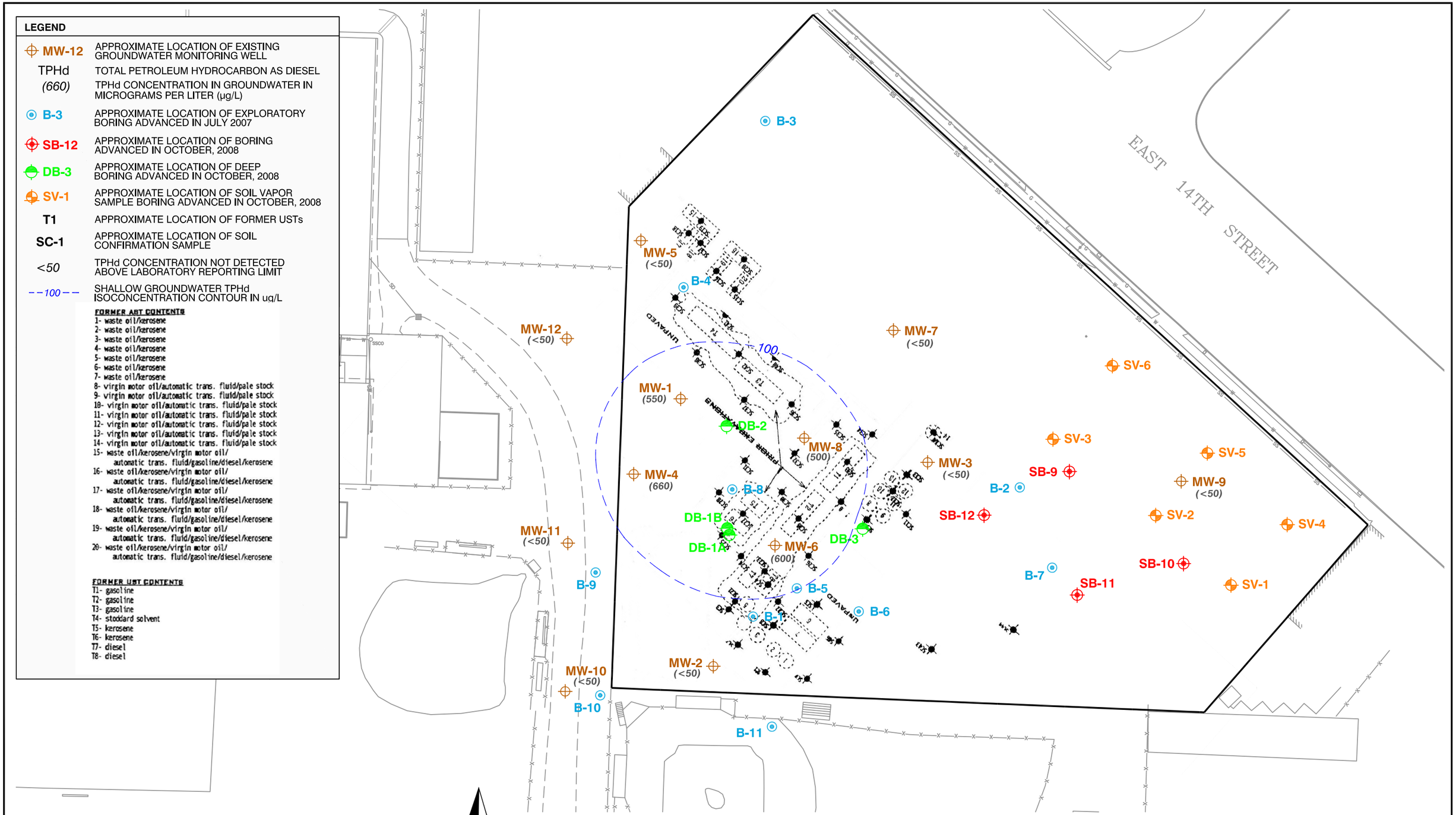
MW-12	APPROXIMATE LOCATION OF EXISTING GROUNDWATER MONITORING WELL
TPHd	TOTAL PETROLEUM HYDROCARBON AS DIESEL
(660)	TPHd CONCENTRATION IN GROUNDWATER IN MICROGRAMS PER LITER (µg/L)
B-3	APPROXIMATE LOCATION OF EXPLORATORY BORING ADVANCED IN JULY 2007
SB-12	APPROXIMATE LOCATION OF BORING ADVANCED IN OCTOBER, 2008
DB-3	APPROXIMATE LOCATION OF DEEP BORING ADVANCED IN OCTOBER, 2008
SV-1	APPROXIMATE LOCATION OF SOIL VAPOR SAMPLE BORING ADVANCED IN OCTOBER, 2008
T1	APPROXIMATE LOCATION OF FORMER USTs
SC-1	APPROXIMATE LOCATION OF SOIL CONFIRMATION SAMPLE
<50	TPHd CONCENTRATION NOT DETECTED ABOVE LABORATORY REPORTING LIMIT
--100--	SHALLOW GROUNDWATER TPHd ISOCONCENTRATION CONTOUR IN ug/L

FORMER ABT CONTENTS

1- waste oil/kerosene
2- waste oil/kerosene
3- waste oil/kerosene
4- waste oil/kerosene
5- waste oil/kerosene
6- waste oil/kerosene
7- waste oil/kerosene
8- virgin motor oil/automatic trans. fluid/pale stock
9- virgin motor oil/automatic trans. fluid/pale stock
10- virgin motor oil/automatic trans. fluid/pale stock
11- virgin motor oil/automatic trans. fluid/pale stock
12- virgin motor oil/automatic trans. fluid/pale stock
13- virgin motor oil/automatic trans. fluid/pale stock
14- virgin motor oil/automatic trans. fluid/pale stock
15- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene
16- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene
17- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene
18- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene
19- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene
20- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene

FORMER UST CONTENTS

T1- gasoline
T2- gasoline
T3- gasoline
T4- stoddard solvent
T5- kerosene
T6- kerosene
T7- diesel
T8- diesel



NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

REFERENCE: VIRGIL CHAVEZ LAND SURVEYING 2008, ENVIRONMENTAL BIO–SYSTEM, INC 2003.

Ninyo & Moore		DISSOLVED - PHASE TPHd ISOCONCENTRATION MAP	FIGURE
PROJECT NO.	DATE	FORMER HOLLAND OIL FACILITY 16301 EAST 14th STREET SAN LEANDRO, CALIFORNIA	5
401314002	11/08		

LEGEND

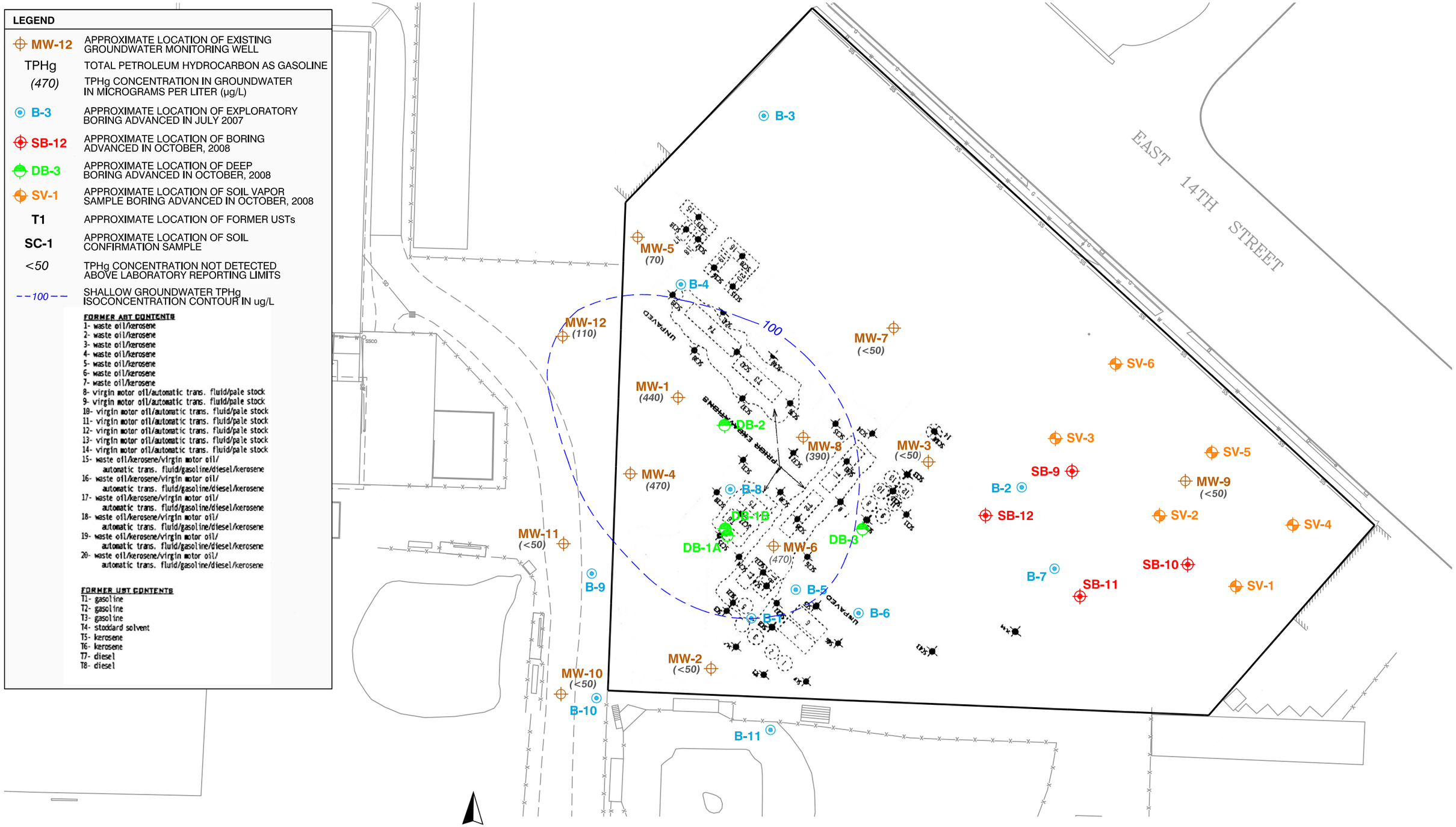
MW-12	APPROXIMATE LOCATION OF EXISTING GROUNDWATER MONITORING WELL
TPHg	TOTAL PETROLEUM HYDROCARBON AS GASOLINE
(470)	TPHg CONCENTRATION IN GROUNDWATER IN MICROGRAMS PER LITER (µg/L)
B-3	APPROXIMATE LOCATION OF EXPLORATORY BORING ADVANCED IN JULY 2007
SB-12	APPROXIMATE LOCATION OF BORING ADVANCED IN OCTOBER, 2008
DB-3	APPROXIMATE LOCATION OF DEEP BORING ADVANCED IN OCTOBER, 2008
SV-1	APPROXIMATE LOCATION OF SOIL VAPOR SAMPLE BORING ADVANCED IN OCTOBER, 2008
T1	APPROXIMATE LOCATION OF FORMER USTs
SC-1	APPROXIMATE LOCATION OF SOIL CONFIRMATION SAMPLE
<50	TPHg CONCENTRATION NOT DETECTED ABOVE LABORATORY REPORTING LIMITS
100	SHALLOW GROUNDWATER TPHg ISOCONCENTRATION CONTOUR IN ug/L

FORMER ART CONTENTS

1- waste oil/kerosene
2- waste oil/kerosene
3- waste oil/kerosene
4- waste oil/kerosene
5- waste oil/kerosene
6- waste oil/kerosene
7- waste oil/kerosene
8- virgin motor oil/automatic trans. fluid/pale stock
9- virgin motor oil/automatic trans. fluid/pale stock
10- virgin motor oil/automatic trans. fluid/pale stock
11- virgin motor oil/automatic trans. fluid/pale stock
12- virgin motor oil/automatic trans. fluid/pale stock
13- virgin motor oil/automatic trans. fluid/pale stock
14- virgin motor oil/automatic trans. fluid/pale stock
15- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene
16- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene
17- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene
18- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene
19- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene
20- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene

FORMER UST CONTENTS

T1- gasoline
T2- gasoline
T3- gasoline
T4- stoddard solvent
T5- kerosene
T6- kerosene
T7- diesel
T8- diesel



APPROXIMATE SCALE IN FEET

0 50 100

NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

REFERENCE: VIRGIL CHAVEZ LAND SURVEYING 2008, ENVIRONMENTAL BIO–SYSTEM, INC 2003.

Ninyo & Moore	DISSOLVED - PHASE TPHg ISOCONCENTRATION MAP	FIGURE
PROJECT NO. / DATE	FORMER HOLLAND OIL FACILITY 16301 EAST 14th STREET SAN LEANDRO, CALIFORNIA	6
401314002 / 11/08		

LEGEND

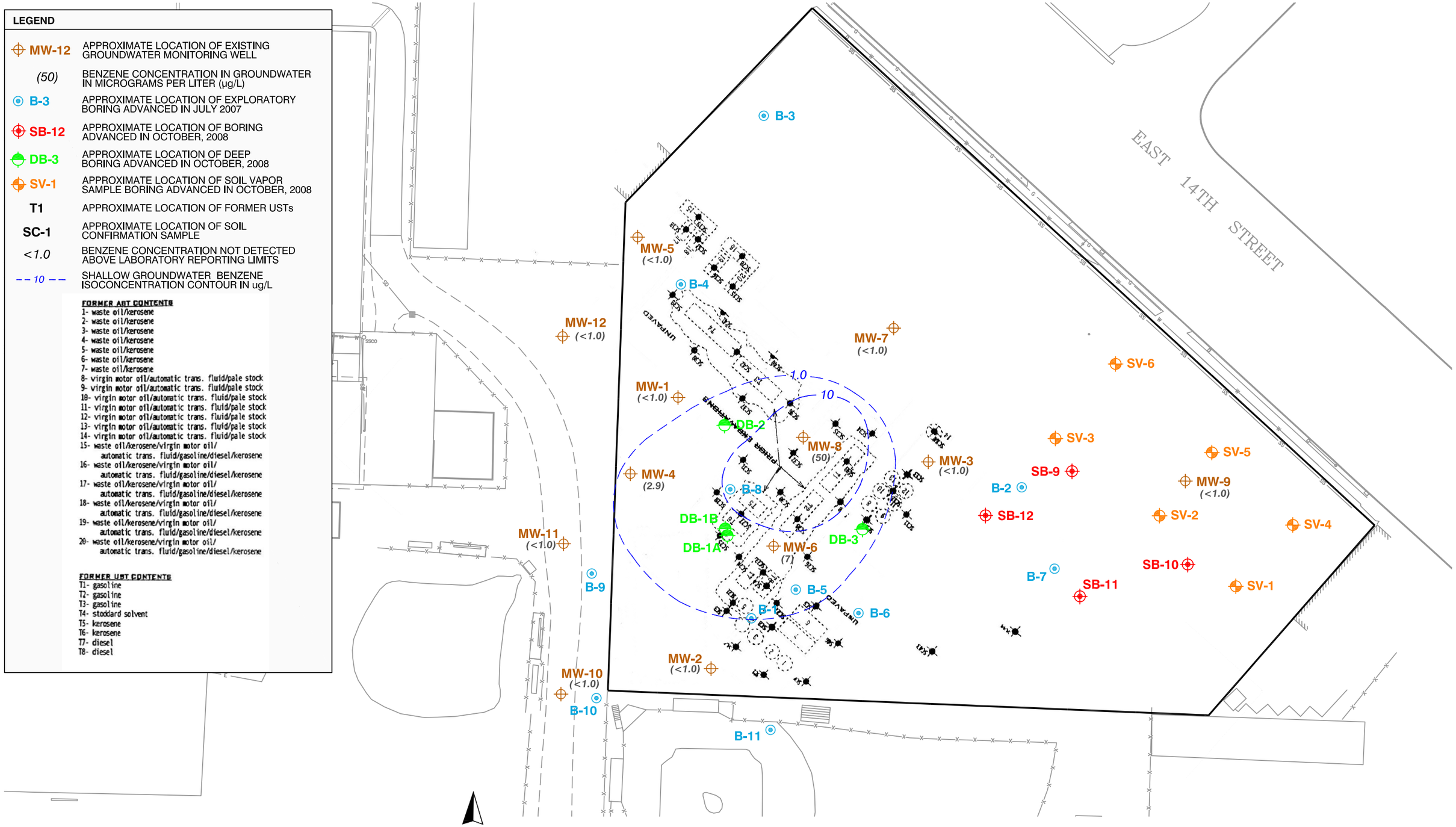
MW-12	APPROXIMATE LOCATION OF EXISTING GROUNDWATER MONITORING WELL
(50)	BENZENE CONCENTRATION IN GROUNDWATER IN MICROGRAMS PER LITER (µg/L)
B-3	APPROXIMATE LOCATION OF EXPLORATORY BORING ADVANCED IN JULY 2007
SB-12	APPROXIMATE LOCATION OF BORING ADVANCED IN OCTOBER, 2008
DB-3	APPROXIMATE LOCATION OF DEEP BORING ADVANCED IN OCTOBER, 2008
SV-1	APPROXIMATE LOCATION OF SOIL VAPOR SAMPLE BORING ADVANCED IN OCTOBER, 2008
T1	APPROXIMATE LOCATION OF FORMER USTs
SC-1	APPROXIMATE LOCATION OF SOIL CONFIRMATION SAMPLE
<1.0	BENZENE CONCENTRATION NOT DETECTED ABOVE LABORATORY REPORTING LIMITS
10	SHALLOW GROUNDWATER BENZENE ISOCONCENTRATION CONTOUR IN ug/L

FORMER ABT CONTENTS

1- waste oil/kerosene
2- waste oil/kerosene
3- waste oil/kerosene
4- waste oil/kerosene
5- waste oil/kerosene
6- waste oil/kerosene
7- waste oil/kerosene
8- virgin motor oil/automatic trans. fluid/pale stock
9- virgin motor oil/automatic trans. fluid/pale stock
10- virgin motor oil/automatic trans. fluid/pale stock
11- virgin motor oil/automatic trans. fluid/pale stock
12- virgin motor oil/automatic trans. fluid/pale stock
13- virgin motor oil/automatic trans. fluid/pale stock
14- virgin motor oil/automatic trans. fluid/pale stock
15- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene
16- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene
17- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene
18- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene
19- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene
20- waste oil/kerosene/virgin motor oil/ automatic trans. fluid/gasoline/diesel/kerosene

FORMER UST CONTENTS

T1- gasoline
T2- gasoline
T3- gasoline
T4- stoddard solvent
T5- kerosene
T6- kerosene
T7- diesel
T8- diesel



NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

REFERENCE: VIRGIL CHAVEZ LAND SURVEYING 2008, ENVIRONMENTAL BIO–SYSTEM, INC 2003.

Ninyo & Moore	DISSOLVED - PHASE BENZENE ISOCONCENTRATION MAP	FIGURE
PROJECT NO. 401314002 / DATE 11/08	FORMER HOLLAND OIL FACILITY 16301 EAST 14th STREET SAN LEANDRO, CALIFORNIA	7

APPENDIX A

REGULATORY CORRESPONDENCE

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

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

September 16, 2008

Ms. Ann Marie Holland Tiers
Estate of Jack Holland
1498 Hamrick Lane
Hayward, CA 94544

Ms. Barbara Holland
P.O. Box 5
Kentfield, CA 94914

Mr. Lawrence Lepore
Hayward Area Recreation and Park District
1099 E Street
Hayward, CA 94541

Subject: Fuel Leak Case No. RO0000212 and Geotracker Global ID T0600100709, Holland Oil, 16301 East 14th Street, San Leandro, CA 94580

Dear Ms. Tiers, Ms. Holland, and Mr. Lepore:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the subject site including the recently submitted document entitled, "*Site Assessment Workplan, Holland Oil Property, 16301 East 14th Street, San Leandro, California 945780*," dated August 20, 2008. The Work Plan proposes soil, groundwater, and soil vapor sampling to evaluate the extent of contamination related to unauthorized releases from a former bulk fuel storage and distribution facility.

The scope of work is conditionally approved and may be implemented provided that the technical comments below are addressed and incorporated during the proposed activities. Submittal of a revised Work Plan or Work Plan Addendum is not required unless an alternate scope of work outside that described in the Work Plan and technical comment below is proposed. We request that you address the following technical comments, perform the proposed work, and send us the reports described below.

TECHNICAL COMMENTS

1. **Soil Sampling from Direct Push Soil Borings.** We request that soils from the proposed direct push soil borings and be logged and screened continuously in the field as the boring is advanced. Field screening is to be conducted by a qualified field geologist using visual observations, odor, and measurements using a field photoionization detector (PID) fitted with an appropriate lamp that is calibrated for the chemicals of concern. Soil samples are to be collected for laboratory analysis from any zones where visible staining, odor, or elevated PID readings are observed. If no visible staining, odor, or elevated PID readings are observed in the borings, the collection of soil samples for laboratory analysis at the proposed intervals of 2, 5, and 10 feet bgs are acceptable. Please present the results in the Site Assessment Report requested below.

2. **Soil Contamination in Area of B-2 and B-7.** Elevated concentrations of total petroleum hydrocarbons (TPH) as diesel and kerosene were detected in soil samples collected from soil borings B-2 and B-7, which are located in the eastern portion of the site. The horizontal extent of contamination in this area has not been determined. We request that you advance a minimum of two shallow soil borings in this area using the methods proposed for borings B-9 and B-10 to define the extent of contamination. Approximate locations are shown on Attachment A: Additional Soil Borings. Please present the results in the Site Assessment Report requested below.

3. **Laboratory Analyses.** We request that all soil samples for laboratory analysis be analyzed for total petroleum hydrocarbons as motor oil using EPA Method 8015 in addition to the proposed laboratory analyses. Please present the results in the Site Assessment Report requested below.

4. **Monitoring Well Depths.** We request that the depth of the filter pack and screen intervals for the proposed monitoring wells be limited to 15 feet bgs in order to avoid possible cross contamination of lower water-bearing zones.

5. **Groundwater Monitoring.** Quarterly groundwater monitoring is to be implemented for the existing monitoring wells at the site. The groundwater samples are to be analyzed for TPH as gasoline and TPH as diesel suing EPA Method 8015 and VOCs using EPA method 8260. Please include results from the quarterly groundwater sampling in the reports requested below.

TECHNICAL REPORT REQUEST

Please submit technical reports to Alameda County Environmental Health (Attention: Jerry Wickham), according to the following schedule:

- **November 17, 2008** – Third Quarter 2008 Groundwater Monitoring Report
- **January 23, 2009** – Site Assessment Report
- **February 17, 2009** – Fourth Quarter 2008 Groundwater Monitoring Report
- **May 18, 2009** – First Quarter 2009 Groundwater Monitoring Report

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/cleanup/electronic_reporting).

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.

If you have any questions, please call me at (510) 567-6791 or send me an electronic mail message at jerry.wickham@acgov.org.

Sincerely,

Jerry Wickham, California PG 3766, CEG 1177, and CHG 297
Senior Hazardous Materials Specialist

Attachment A: Additional Soil Borings

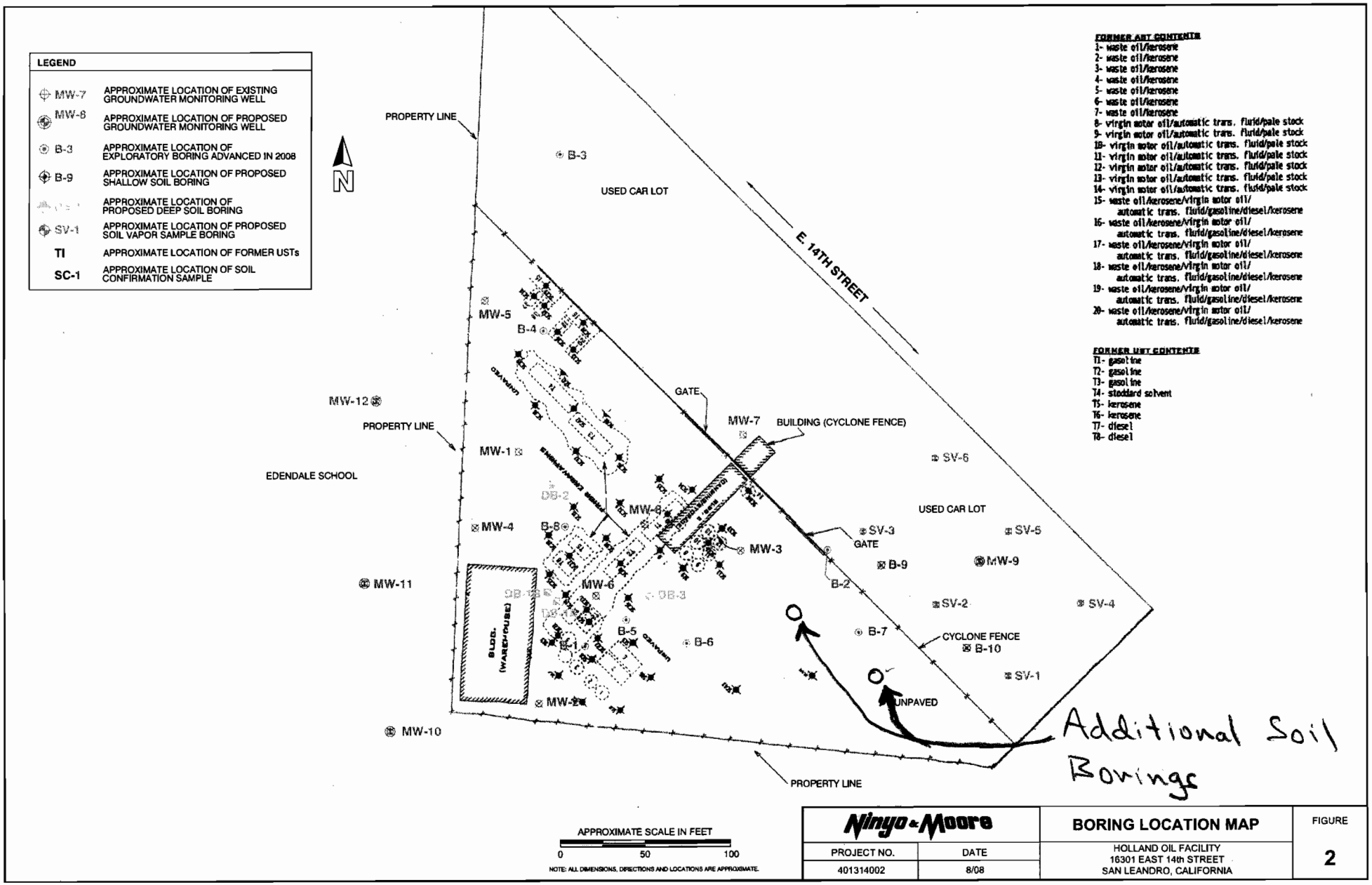
Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Leroy Griffin, Oakland Fire Hazardous Materials Unit, 250 Frank Ogawa Plaza, Suite 3341, Oakland, CA 94612

Markus Niebanck, 580 Second Street, Suite 260, Oakland, CA 94607

Cem Atabek, Ninyo & Moore, 1956 Webster Street, Suite 400, Oakland, CA 94612

Donna Drogos, ACEH
Jerry Wickham, ACEH
File



Attachment A: Additional Soil Borings

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

Effective **January 31, 2006**, 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
         or
      ii) Send a fax on company letterhead to (510) 337-9335, to the attention of Alicia Lam-Finneke.
   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 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 at 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)

APPENDIX B

HISTORICAL DATA TABLE

TABLE 1: TPHg/BTEX/MTBE, TPHd/TPHk/TPHss, TOG, Heavy Metals, PCBs in Soil (mg/kg unless otherwise noted)

Sample #	TPHg	MTBE	Benzene	Toluene	Ethyl Benzene	Xylenes	TPHd	TPHk	TPHss	TOG	Heavy Metals Cd/Cr/Ni/Pb/Zn	PCB's (µg/kg)
SC1-2'	1.5	ND	ND	0.010	0.011	0.024	190	ND[1]	ND[1]	97	ND/38/30/33/80	ND
SC1-5'	ND	ND	ND	ND	ND	ND	29	ND[1]	ND[1]	41	ND/33/4.6/36/40	NA
SC1-12'	1.9	ND	ND	ND	ND	0.016	61	ND[1]	ND[1]	140	ND/36/5.6/34/35	NA
SC2-2'	12	ND	ND	ND	0.057	0.99	79	ND[1]	ND[1]	880	ND/41/19/40/50	ND
SC2-5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND/28/4.5/33/32	NA
SC2-10'	ND	ND	ND	ND	ND	ND	ND	ND	ND	44	ND/43/5.6/46/48	NA
SC3-2'	ND	ND	ND	ND	0.014	0.18	ND	ND	ND	ND	ND/54/4.0/49/37	NA[2]
SC3-5'	510	ND	ND	ND	4.3	57	ND[1]	780	ND[1]	2,100	ND/31/9.8/19/39	NA
SC3-10'	130	ND	ND	ND	ND	7.3	ND[1]	510	ND[1]	47	ND/40/5.2/37/42	NA
SC4-2'	430	ND	1.2	ND	2.5	11	8,200	ND[1]	ND[1]	14,000	ND/37/14/38/59	ND
SC4-5'	170	ND	ND	ND	ND	3.3	1,900	ND[1]	ND[1]	2,800	ND/40/6.0/42/46	NA
SC4-9'	20	ND	0.13	0.08	0.03	0.20	110	ND[1]	ND[1]	26	ND/48/3.6/37/32	NA
SC5-2'	270	ND	ND	ND	ND	ND	1,300	ND[1]	ND[1]	6,400	ND/45/9.6/48/56	ND
SC5-5'	820	ND	ND	ND	1.6	ND	5,700	ND[1]	ND[1]	12,000	ND/32/5.6/33/38	NA
SC5-10'	290	ND	ND	ND	ND	ND	1,300	ND[1]	ND[1]	760	ND/40/6.9/42/55	NA
SC6-2'	770	ND	ND	2.4	2.6	15	6,000	ND[1]	ND[1]	11,000	ND/35/640/46/110	ND
SC6-5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND/41/6.0/45/52	NA
SC6-9'	21	ND	ND	ND	ND	ND	28	ND[1]	ND[1]	ND	ND/34/3.8/33/35	NA

TABLE 1: PAGE 2 OF 8

Sample #	TPHg	MTBE	Benzene	Toluene	Ethyl Benzene	Xylenes	TPHd	TPHk	TPHss	TOG	Heavy Metals Cd/Cr/Ni/Pb/Zn	PCB's (µg/kg)
SC7-2'	ND	ND	ND	ND	ND	ND	33	ND[1]	ND[1]	270	ND/33/6.6/29/52	ND
SC7-5'	ND	ND	ND	ND	ND	ND	12	ND[1]	ND[1]	22	ND/35/5.0/40/44	NA
SC7-9.5'	230	ND	ND	ND	ND	ND	500	ND[1]	ND[1]	750	ND/29/4.7/30/39	NA
SC8-2'	110	ND	ND	0.28	0.9	2.0	390	ND[1]	ND[1]	6,200	ND/36/7.8/41/45	ND
SC8-5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND/40/5.7/43/46	NA
SC8-10'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND/27/4.7/30/32	NA
SC9-2'	NA	NA	NA	NA	NA	NA	NA	NA	NA	260	NA	ND
SC9-5'	NA	NA	NA	NA	NA	NA	NA	NA	NA	110	NA	ND
SC9-9'	NA	NA	NA	NA	NA	NA	NA	NA	NA	4,500	NA	160
SC10-2'	NA	NA	NA	NA	NA	NA	NA	NA	NA	180	NA	ND
SC10-9'	NA	NA	NA	NA	NA	NA	NA	NA	NA	3,500	NA	ND
SC11-2'	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	ND
SC11-5'	NA	NA	NA	NA	NA	NA	NA	NA	NA	38	NA	ND
SC11-9'	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,100	NA	250
SC12-2'	NA	NA	NA	NA	NA	NA	NA	NA	NA	7,300	NA	ND
SC12-5'	NA	NA	NA	NA	NA	NA	NA	NA	NA	8,900	NA	ND
SC12-9'	NA	NA	NA	NA	NA	NA	NA	NA	NA	29,000	NA	ND

TABLE 1: PAGE 3 OF 8

Sample #	TPHg	MTBE	Benzene	Toluene	Ethyl Benzene	Xylenes	TPHd	TPHk	TPHss	TOG	Heavy Metals Cd/Cr/Ni/Pb/Zn	PCB's (µg/kg)
SC13-2'	NA	NA	NA	NA	NA	NA	NA	NA	NA	44,000	NA	240
SC13-5'	NA	NA	NA	NA	NA	NA	NA	NA	NA	190	NA	ND
SC13-9'	NA	NA	NA	NA	NA	NA	NA	NA	NA	8,800	NA	ND
SC14-2'	NA	NA	NA	NA	NA	NA	NA	NA	NA	240	NA	ND
SC14-5'	NA	NA	NA	NA	NA	NA	NA	NA	NA	22,000	NA	99
SC14-8'	NA	NA	NA	NA	NA	NA	NA	NA	NA	10,000	NA	ND
SC15-2'	ND	ND	ND	ND	ND	ND	ND	ND	ND	28	ND/42/9.9/39/31	NA[2]
SC15-5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND/39/6.4/50/51	NA
SC15-9'	230	ND	ND	ND	ND	ND	310	ND[1]	ND[1]	380	ND/27/4.9/31/33	NA
SC16-2'	1.6	ND	ND	ND	ND	0.022	ND	ND	ND	22	ND/36/7.0/39/27	NA[2]
SC16-5'	1.5	ND	ND	ND	ND	0.028	ND	ND	ND	55	ND/47/7.4/58/61	NA
SC16-8.5'	5,400	ND	ND	3.0	17	110	ND[1]	ND[1]	6,600	7,000	ND/26/4.8/27/28	NA
SC17-2'	1,200	ND	ND	ND	1.4	3.8	ND[1]	ND[1]	1,900	4,700	ND/41/6.3/31/32	ND
SC17-5'	18	ND	ND	ND	ND	0.03	ND[1]	ND[1]	410	430	ND/38/6.5/49/54	NA
SC17-8'	5,300	ND	ND	5.8	9.2	68	ND[1]	ND[1]	5,500	5,000	ND/37/5.9/42/45	NA
SC18-2'	3,800	ND	ND	3.6	4.7	37	ND[1]	ND[1]	3,400	6,500	ND/35/16/29/26	ND
SC18-5'	7,200	ND	ND	7.6	13	97	ND[1]	ND[1]	8,300	9,200	ND/20/4.7/31/32	NA
SC18-8'	8.1	ND	ND	ND	0.02	0.12	ND	ND	ND	ND	ND/31/3.6/34/33	NA

TABLE 1: PAGE 4 OF 8

Sample #	TPHg	MTBE	Benzene	Toluene	Ethyl Benzene	Xylenes	TPHd	TPHk	TPHss	TOG	Heavy Metals Cd/Cr/Nl/Pb/Zn	PCB's (µg/kg)
SC19-2'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND/47/5.4/37/32	NA[2]
SC19-5'	1,200	ND	ND	ND	ND	ND	ND[1]	2,900	ND[1]	2,100	ND/27/5.0/32/35	NA
SC19-8'	600	ND	ND	ND	ND	ND	ND[1]	1,600	ND[1]	1,100	ND/35/5.3/39/40	NA
SC20-2'	ND	ND	ND	ND	ND	ND	220	ND[1]	ND[1]	130	ND/38/15/45/40	ND
SC20-5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	66	ND/29/6.6/36/38	NA
SC20-9'	4.3	ND	ND	ND	ND	ND	42	ND[1]	ND[1]	ND	ND/27/5.1/32/39	NA
SC21-2'	11	ND	ND	0.018	ND	0.086	28	ND[1]	ND[1]	NA	NA	NA
SC21-9'	19	ND	ND	ND	ND	0.052	100	ND[1]	ND[1]	NA	NA	NA
SC22-2'	1,400	ND	ND	ND	4.2	15	2,000	ND[1]	ND[1]	NA	NA	NA
SC22-5'	930	ND	ND	ND	ND	ND	5,500	ND[1]	ND[1]	NA	NA	NA
SC22-9'	850	ND	ND	ND	1.8	ND	6,200	ND[1]	ND[1]	NA	NA	NA
SC23-2'	510	ND	ND	ND	1.0	4.9	2,400	ND[1]	ND[1]	NA	NA	NA
SC23-5'	350	ND	ND	ND	ND	ND	780	ND[1]	ND[1]	NA	NA	NA
SC23-9'	490	ND	ND	ND	2.4	4.6	1,400	ND[1]	ND[1]	NA	NA	NA
SC24-2'	190	ND	ND	ND	ND	ND	2,400	ND[1]	ND[1]	NA	NA	NA
SC24-5'	84	ND	ND	ND	ND	ND	730	ND[1]	ND[1]	NA	NA	NA
SC24-9'	1,200	ND	ND	ND	ND	ND	8,400	ND[1]	ND[1]	NA	NA	NA
SC25-2'	460	ND	ND	ND	ND	ND	1,200	ND[1]	ND[1]	NA	NA	NA
SC25-5'	1.2	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
SC25-9'	250	ND	ND	ND	ND	ND	770	ND[1]	ND[1]	NA	NA	NA

TABLE 1: PAGE 5 OF 8

Sample #	TPHg	MTBE	Benzene	Toluene	Ethyl Benzene	Xylenes	TPHd	TPHk	TPHss	TOG	Heavy Metals Cd/Cr/Ni/Pb/Zn	PCB's (µg/kg)
SC26-2'	4,500	ND	7.8	5.6	34	160	6,000	ND[1]	ND[1]	NA	NA	NA
SC26-5'	2,100	ND	ND	1.5	4.9	12	4,800	ND[1]	ND[1]	NA	NA	NA
SC26-9'	230	ND	ND	ND	ND	ND	610	ND[1]	ND[1]	NA	NA	NA
SC27-2'	470	ND	ND	ND	ND	ND	1,900	ND[1]	ND[1]	NA	NA	NA
SC27-5'	840	ND	ND	ND	1.9	3.8	1,800	ND[1]	ND[1]	NA	NA	NA
SC27-9'	180	ND	ND	ND	ND	2.2	150	ND[1]	ND[1]	NA	NA	NA
SC28-2'	ND	ND	ND	ND	ND	0.015	580	ND[1]	ND[1]	NA	NA	NA
SC28-5'	1.2	ND	ND	ND	ND	0.015	26	ND[1]	ND[1]	NA	NA	NA
SC28-8.5'	3.8	ND	ND	0.007	0.005	0.095	24	ND[1]	ND[1]	NA	NA	NA
SC29-2'	600	ND	ND	ND	1.3	7.3	1,800	ND[1]	ND[1]	NA	NA	NA
SC29-5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
SC29-9'	870	ND	ND	ND	1.7	11	2,300	ND[1]	ND[1]	NA	NA	NA
SC30-2'	1.0	ND	ND	ND	ND	0.029	980	ND[1]	ND[1]	NA	NA	NA
SC30-5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
SC30-8.5'	160	ND	ND	ND	ND	ND	200	ND[1]	ND[1]	NA	NA	NA
SC31-2'	1.7	ND	ND	ND	ND	ND	7.2	ND[1]	ND[1]	NA	NA	NA
SC31-5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
SC31-9'	2.1	ND	ND	ND	ND	0.044	5.2	ND[1]	ND[1]	NA	NA	NA

TABLE 1: PAGE 6 OF 8

Sample #	TPHg	MTBE	Benzene	Toluene	Ethyl Benzene	Xylenes	TPHd	TPHk	TPHss	TOG	Heavy Metals Cd/Cr/Ni/Pb/Zn	PCB's (µg/kg)
SC32-2'	1,900	ND	2.8	1.3	9.9	40	2,300	ND[1]	ND[1]	NA	NA	NA
SC32-5'	440	ND	ND	ND	ND	4.0	840	ND[1]	ND[1]	NA	NA	NA
SC32-9'	2,300	ND	5.5	2.1	29	41	3,900	ND[1]	ND[1]	NA	NA	NA
SC33-2'	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
SC33-5'	4,200	ND	2.6	6	46	100	5,200	ND[1]	ND[1]	NA	NA	NA
SC33-9'	960	ND	3.4	3	12	27	370	ND[1]	ND[1]	NA	NA	NA
SC34-2'	3.1	ND	0.020	0.030	0.015	0.038	270	ND[1]	ND[1]	NA	NA	NA
SC34-5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
SC34-9'	330	ND	ND	1.3	1.4	3.6	360	ND[1]	ND[1]	NA	NA	NA
SC35-2'	9.5	ND	0.094	0.045	0.62	1.2	130	ND[1]	ND[1]	NA	NA	NA
SC35-5'	5.0	ND	ND	ND	0.042	0.091	10	ND[1]	ND[1]	NA	NA	NA
SC35-8.5'	13,000	ND	61	35	240	1,100	7,400	ND[1]	ND[1]	NA	NA	NA
SC36-2'	3.4	ND	0.007	0.001	0.025	0.084	110	ND[1]	ND[1]	NA	NA	NA
SC36-5'	11	ND	0.025	0.001	0.022	0.054	350	ND[1]	ND[1]	NA	NA	NA
SC36-8'	1,200	ND	5.2	2.6	22	47	1,000	ND[1]	ND[1]	NA	NA	NA
SC37-2'	ND	ND	ND	ND	ND	ND	80	ND[2]	ND[1]	NA	NA	NA
SC37-5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
SC37-9'	1,900	ND	3.9	3.5	4.0	11	3,400	ND[2]	ND[1]	NA	NA	NA

TABLE 1: PAGE 7 OF 8

Sample #	TPHg	MTBE	Benzene	Toluene	Ethyl Benzene	Xylenes	TPHd	TPHk	TPHss	TOG	Heavy Metals Cd/Cr/Ni/Pb/Zn	PCB's (µg/kg)
SC38-2'	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
SC38-5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
SC38-9'	110	ND	ND	ND	ND	0.56	230	ND[2]	ND[1]	NA	NA	NA
SC39-2'	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
SC39-5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
SC39-8.5'	2.8	ND	ND	ND	ND	0.029	8.4	ND[2]	ND[1]	NA	NA	NA
SC40-2'	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
SC40-5'	ND	ND	ND	ND	ND	ND	30	ND[2]	ND[1]	NA	NA	NA
SC40-9'	450	ND	ND	1.1	1.1	3.2	620	ND[2]	ND[1]	NA	NA	NA
SC41-2'	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
SC41-5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
SC41-8'	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
SC42-2'	ND	ND	ND	ND	ND	ND	50	ND[2]	ND[1]	NA	NA	NA
SC42-5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
SC42-9'	400	ND	ND	ND	ND	5.2	760	ND[2]	ND[1]	NA	NA	NA
MW4-5'	300	ND	ND	ND	ND	6.6	1,800	ND[2]	ND[1]	4,700	NA	310
MW4-9'	960	ND	ND	ND	1.3	14	2,300	ND[2]	ND[1]	1,700	NA	NA
MW5-5'	ND	ND	ND	ND	ND	0.019	220	ND[2]	ND[1]	350	NA	ND
MW5-9'	280	ND	ND	ND	ND	2.3	230	ND[2]	ND[1]	670	NA	NA

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NOTES:

ND = Analyte not detected above laboratory detection limit (as stated on the corresponding certified laboratory report).
NA = Sample not analyzed for this analyte.
Shading = Denotes sample analyzed for PCBs dependant upon the results of an EPA Method 8015 screen.
ND[1] = Analytical Sciences made a determination based upon the chromatographic pattern whether the contamination was most like Stoddard Solvent, Kerosene or Diesel. The value reported reflects the total amount of semi-volatile hydrocarbons observed and is so reported as the determined source.
ND[2] = Sample not analyzed for PCBs because TPHd was not detected.

TABLE 2: HVOCs in Soil (µg/kg unless otherwise noted)

Sample ID	1,1-DCE	1,1-DCA	c-1,2-DCE	1,1,1-TCA	TCE	PCE	CB	CT	1,3-DCB	1,4-DCB	1,2-DCB
SC1-2"	ND	ND	11	ND	ND	ND	ND	ND	ND	ND	ND
SC1-5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SC1-12'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SC2-2'	ND	ND	2.1	ND	5.9	ND	ND	ND	ND	ND	ND
SC2-5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SC2-10'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SC3-2'	ND	2.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
SC3-5'	12	94	1.8	190	1.2	4.2	ND	ND	ND	31	ND
SC3-10'	ND	4.1	ND	4.8	ND	ND	ND	ND	ND	1.3	ND
SC4-2'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SC4-5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SC4-9'	ND	ND	ND	ND	ND	ND	ND	ND	1.6	4.2	ND

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Sample ID	1,1-DCE	1,1-DCA	c-1,2-DCE	1,1,1-TCA	TCE	PCE	CB	CT	1,3-DCB	1,4-DCB	1,2-DCB
SC5-2'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SC5-5'	ND	ND	ND	ND	ND	ND	ND	ND	2.1	3.7	ND
SC5-10'	ND	ND	ND	ND	ND	ND	1.6	ND	41	99	ND
SC6-2'	ND	ND	5.4	ND	2.6	2.1	ND	ND	ND	2.0	2.1
SC6-5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SC6-9'	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.0	ND
SC7-2'	ND	ND	1.3	ND	ND	ND	ND	ND	ND	ND	ND
SC7-5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SC7-9.5'	ND	ND	ND	ND	ND	ND	ND	ND	8.0	25	ND
SC7-12'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC8-2'	ND	ND	4.5	ND	1.6	3.6	13	24	5.9	12	75
SC8-5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SC8-10'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SC9-2'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC9-5'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC9-9'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC10-2'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC10-9'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Sample ID	1,1-DCE	1,1-DCA	c-1,2-DCE	1,1,1-TCA	TCE	PCE	CB	CT	1,3-DCB	1,4-DCB	1,2-DCB
SC11-2'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC11-5'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC11-9'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC12-2'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC12-5'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC12-9'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC13-2'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC13-5'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC13-9'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC14-2'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC14-5'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC14-8'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC15-2'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SC15-5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SC15-9'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SC16-2'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SC16-5"	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SC16-8.5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Sample ID	1,1-DCE	1,1-DCA	c-1,2-DCE	1,1,1-TCA	TCE	PCE	CB	CT	1,3-DCB	1,4-DCB	1,2-DCB
SC17-2'	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND
SC17-5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SC17-8'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SC18-2'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SC18-5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SC18-8"	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SC19-2'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SC19-5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SC19-8'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SC20-2'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SC20-5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SC20-9'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SC21-2'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC21-9'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC22-2'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC22-5'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC22-9'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC23-2'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC23-5'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC23-9'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Sample ID	1,1-DCE	1,1-DCA	c-1,2-DCE	1,1,1-TCA	TCE	PCE	CB	CT	1,3-DCB	1,4-DCB	1,2-DCB
SC24-2'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC24-5'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC24-9'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC25-2'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC25-5'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC25-9'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC26-2'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC26-5'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC26-9'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC27-2'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC27-5'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC27-9'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC28-2'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC28-5'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC28-8.5'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC29-2'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC29-5'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC29-9'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Sample ID	1,1-DCE	1,1-DCA	c-1,2-DCE	1,1,1-TCA	TCE	PCE	CB	CT	1,3-DCB	1,4-DCB	1,2-DCB
SC30-2'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC30-5'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC30-8.5'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC31-2'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC31-5'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC31-9'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC32-2'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC32-5"	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC32-9'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC33-2'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC33-5'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC33-9'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC34-2'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC34-5'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC34-9'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC35-2'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC35-5'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC35-8.5'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Sample ID	1,1-DCE	1,1-DCA	c-1,2-DCE	1,1,1-TCA	TCE	PCE	CB	CT	1,3-DCB	1,4-DCB	1,2-DCB
SC36-2'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC36-5'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC36-8"	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC37-2'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC37-5'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC37-9'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC38-2'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC38-5'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC38-9'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC39-2'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC39-5'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC39-8.5'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC40-2'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC40-5'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC40-9'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC41-2'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC41-5'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC41-8'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 2: PAGE 8 OF 8

Sample ID	1,1-DCE	1,1-DCA	c-1,2-DCE	1,1,1-TCA	TCE	PCE	CB	CT	1,3-DCB	1,4-DCB	1,2-DCB
SC42-2'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC42-5'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SC42-9'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW4-5'	ND	ND	ND	ND	ND	ND	2.0	ND	ND	ND	ND
MW4-9'	ND	ND	ND	ND	ND	ND	9.8	ND	ND	ND	1.0
MW4-15'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW5-5'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW5-9'	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:

ND = Analyte not detected above laboratory detection limit (as stated on the corresponding certified laboratory report).
NA = Sample not analyzed for this analyte.
1,1-DCE = 1,1-Dichloroethylene
c-1,2-DCE = cis-1,2- Dichloroethylene
1,1,1-TCE = 1,1,1-Trichloroethylene
PCE = perchloroethylene (tetrachloroethylene)
CB = chlorobenzene
CT = chlorotoluene
1,3-DCB = 1,3-Dichlorobenzene
1,4-DCB = 1,4- Dichlorobenzene
1,2-DCB = 1,2- Dichlorobenzene

TABLE 3: SOIL PHYCICAL PARAMETERS

Sample #	% Organic Content	Total Porosity (%)	Dry Density (pcf)	Moisture Content (%)
SC44-2'	7.2	23	123	97
SC44-4'	5.8	47	89	29
SC44-9'	1.4	42	98	27

NOTES:
pcf = pounds per cubic foot

TABLE 4: WATER SAMPLE RESULTS (expressed in µg/l unless otherwise noted)

Sample #	TPHg	MTBE	Benzene	Toluene	Ethyl Benzene	Xylenes	TPHd	TPHk	TPHss	TOG (mg/L)	PCB's
MW1-H20	8,200	ND	83	60	33	110	ND[1]	ND[1]	5,100	28	ND
MW2- H20	ND	ND	ND	ND	ND	ND	ND[1]	ND[1]	ND[1]	ND[1]	ND
MW3- H20	ND	ND	ND	ND	ND	ND	ND[1]	ND[1]	ND[1]	ND[1]	ND
MW4- H20	1,000	ND	6.1	2.2	1.6	6.9	ND[1]	ND[1]	240	1.4	ND
MW5- H20	270	9.2	0.70	ND	ND	2.8	ND[1]	ND[1]	ND[1]	ND[1]	ND

NOTES:
ND = Analyte not detected above laboratory detection limit (as stated on the corresponding certified laboratory report).
ND[1] = Analytical Sciences made a determination based upon the chromatographic pattern whether the contamination was most like Stoddard Solvent, Kerosene or Diesel. The value reported reflects the total amount of semi-volatile hydrocarbons observed and is so reported as the determined source.

APPENDIX C

PERMITS

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: 09/19/2008 By jamesy

Permit Numbers: W2008-0687 to W2008-0691
Permits Valid from 09/30/2008 to 10/03/2008

Application Id: 1221606668276
City of Project Site: San Leandro
Site Location: 16301 East 14th Street
Project Start Date: 09/30/2008
Completion Date: 10/03/2008
Requested Inspection: 10/01/2008
Scheduled Inspection: 10/01/2008 at 2:00 PM (Contact your inspector, Vicky Hamlin at (510) 670-5443, to confirm.)

Applicant: Ninyo & Moore - Cem Atabek
1956 Webster Street, Oakland, CA 94612
Phone: 510-633-5640

Property Owner: Hayward Area Recreation Department Hayward
Phone: --

Client: Area Recreation Department
1099 E Street, Hayward, CA 94541
** same as Property Owner **

	Total Due:	$1610.00
Receipt Number: WR2008-0334	**Total Amount Paid:**	$1610.00
Payer Name : Ninyo and Moore	Paid By: CHECK	**PAID IN FULL**

Works Requesting Permits:

Well Construction-Monitoring-Monitoring - 4 Wells
Driller: Vannucci Technologies - Lic #: 814760 - Method: hstem **Work Total: $1380.00**

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth
W2008-0687	09/19/2008	12/29/2008	MW-10	8.00 in.	2.00 in.	4.00 ft	15.00 ft
W2008-0688	09/19/2008	12/29/2008	MW-11	8.00 in.	2.00 in.	4.00 ft	15.00 ft
W2008-0689	09/19/2008	12/29/2008	MW-12	8.00 in.	2.00 in.	4.00 ft	15.00 ft
W2008-0690	09/19/2008	12/29/2008	MW-9	8.00 in.	2.00 in.	4.00 ft	15.00 ft

Specific Work Permit Conditions

1. 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.

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

3. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities

or to Alameda County an 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.

4. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well construction or destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Including permit number and site map.

5. Applicant shall submit the copies of the approved encroachment permit to this office within 60 days.

6. Applicant shall contact Vicky Hamlin for an inspection time at 510-670-5443 or email to vickyh@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.

7. Wells shall have a Christy box or similar structure with a locking cap or cover. Well(s) shall be kept locked at all times. Well(s) that become damaged by traffic or construction shall be repaired in a timely manner or destroyed immediately (through permit process). No well(s) shall be left in a manner to act as a conduit at any time.

8. Minimum surface seal thickness is two inches of cement grout placed by tremie

9. Minimum seal (Neat Cement seal) depth for monitoring wells is 5 feet below ground surface(BGS) or the maximum depth practicable or 20 feet.

10. 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.

Borehole(s) for Investigation-Environmental/Monitorinig Study - 14 Boreholes
Driller: Vannucci Technologies - Lic #: 814760 - Method: DP **Work Total: $230.00**

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2008-0691	09/19/2008	12/29/2008	14	2.00 in.	40.00 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 Vicky Hamlin for an inspection time at 510-670-5443 or email to vickyh@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. 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.

6. 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.

7. 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.

APPENDIX D

SOIL BORING LOGS AND WELL CONSTRUCTION SCHEMATICS

BORING LOG EXPLANATION SHEET

DEPTH (feet)	SAMPLES: Bulk	SAMPLES: Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	SYMBOL	CLASSIFICATION U.S.C.S.	
0	■							Bulk sample.
		■						Modified split-barrel drive sampler.
		⊠						No recovery with modified split-barrel drive sampler.
		▥						Sample retained by others.
		◪						Standard Penetration Test (SPT).
5		◫						No recovery with a SPT.
		▯	XX/XX					Shelby tube sample. Distance pushed in inches/length of sample recovered in inches.
		◪						No recovery with Shelby tube sampler.
		▥						Continuous Push Sample.
				⚲				Seepage.
10				▽				Groundwater encountered during drilling.
				▼				Groundwater measured after drilling.
						▦	SM	ALLUVIUM: Solid line denotes unit change.
								Dashed line denotes material change.
								Attitudes: Strike/Dip b: Bedding c: Contact j: Joint f: Fracture F: Fault cs: Clay Seam s: Shear bss: Basal Slide Surface sf: Shear Fracture sz: Shear Zone sbs: Sheared Bedding Surface
15								
								The total depth line is a solid line that is drawn at the bottom of the boring.
20								

Ninyo & Moore

BORING LOG

EXPLANATION OF BORING LOG SYMBOLS

PROJECT NO.	DATE	FIGURE
	Rev. 01/03	

DATE DRILLED 10/1/08 BORING NO. DB-1A

GROUND ELEVATION 37.19' ABOVE MSL SHEET 1 OF 3

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY _____ LOGGED BY CRA REVIEWED BY KML

DEPTH (feet)	SAMPLES (Bulk / Driven)	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0					184		SC	FILL: Brown, damp, clayey gravelly SAND; dark staining.
					57		CL	ALLUVIUM: Brown, moist, silty sandy CLAY; fine to medium sand. Black staining from 3 to 4.5 feet bgs.
5					20		SW	Gray, moist, fine to medium SAND.
					46		CL	Gray, moist, dense silty CLAY.
			▽		184		CL	Gray, saturated, silty sandy CLAY; fine to medium sand.
10					29		CL	Gray, moist, dense silty CLAY.
					14		SM	Gray, saturated, silty SAND.
15					0		CL	Dark brown, moist, dense CLAY.
					0		ML	Light brown, moist, clayey SILT.
20					0			

Ninyo & Moore

BORING LOG

HOLLAND OIL - 16301 E.14th STREET
SAN LEANDRO, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401314002	11/08	

DATE DRILLED 10/1/08 BORING NO. DB-1A

GROUND ELEVATION 37.19' ABOVE MSL SHEET 2 OF 3

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY _____ LOGGED BY CRA REVIEWED BY KML

DEPTH (feet)	SAMPLES (Bulk / Driven)	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
20								ALLUVIUM (continued):
					0		CL	Light brown, moist, fine to medium sandy CLAY.
					0		CL	Light brown, moist, medium sandy CLAY.
25							CL	Light brown, moist, fine sandy CLAY.
30							SM	Brown, saturated, silty fine to medium SAND.
35					0		CL	Gray, damp, silty CLAY.
40					0			

Ninyo & Moore

BORING LOG

HOLLAND OIL - 16301 E.14th STREET
SAN LEANDRO, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401314002	11/08	

DATE DRILLED 10/1/08 BORING NO. DB-1A

GROUND ELEVATION 37.19' ABOVE MSL SHEET 3 OF 3

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY _____ LOGGED BY CRA REVIEWED BY KML

DEPTH (feet)	SAMPLES: Bulk	SAMPLES: Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
40									Total depth = 40 feet bgs.
									Groundwater encountered at approximately 8 feet bgs.
									Boring tremie grouted with Portland cement on 10/1/08.
45									
50									
55									
60									

Ninyo & Moore

BORING LOG

HOLLAND OIL - 16301 E.14th STREET
SAN LEANDRO, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401314002	11/08	

DATE DRILLED 10/1/08 BORING NO. DB-1B

GROUND ELEVATION 37.31' ABOVE MSL SHEET 1 OF 2

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY _____ LOGGED BY CRA REVIEWED BY KML

DEPTH (feet)	SAMPLES: Bulk	SAMPLES: Groundwater	BLOWS/FOOT	MOISTURE (%) DSFFFSFDFSFA	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0									Boring DB-1B was advanced using a hydropunch discreet groundwater sampling tool. A discreet groundwater sample was collected on 10/1/08 from the targeted zone from 34-37 feet bgs. No lithology was observed. See boring log DB-1A for a general lithologic description of site soils.
5									
10									
15									

Ninyo & Moore

BORING LOG

HOLLAND OIL - 16301 E.14th STREET
SAN LEANDRO, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401314002	11/08	

DATE DRILLED 10/1/08 BORING NO. DB-1B

GROUND ELEVATION 37.31' ABOVE MSL SHEET 2 OF 2

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY _____ LOGGED BY CRA REVIEWED BY KML

DEPTH (feet)	SAMPLES: Bulk	SAMPLES: Groundwater	BLOWS/FOOT	MOISTURE (%) DSFFFSFDFSFA	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
20									
25									
30									
35									Boring DB-1B tremie grouted with Portland cement on 10/1/08.

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BORING LOG

HOLLAND OIL - 16301 E.14th STREET
SAN LEANDRO, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401314002	11/08	

DATE DRILLED 10/1/08 BORING NO. DB-2

GROUND ELEVATION 37.26' ABOVE MSL SHEET 1 OF 2

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY _____ LOGGED BY CRA REVIEWED BY KML

DEPTH (feet)	SAMPLES: Bulk	SAMPLES: Groundwater	BLOWS/FOOT	MOISTURE (%) DSFFFSFDFSFA	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0									Boring DB-2B was advanced using a hydropunch discreet groundwater sampling tool. A discreet groundwater sample was collected on 10/1/08 from the targeted zone from 34-37 feet bgs. No lithology was observed. See boring log DB-1A for a general lithologic description of site soils.
5									
10									
15									

Ninyo & Moore

BORING LOG

HOLLAND OIL - 16301 E.14th STREET
SAN LEANDRO, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401314002	11/08	

DATE DRILLED 10/1/08 BORING NO. DB-2

GROUND ELEVATION 37.26' ABOVE MSL SHEET 2 OF 2

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY _____ LOGGED BY CRA REVIEWED BY KML

DEPTH (feet)	SAMPLES: Bulk	SAMPLES: Groundwater	BLOWS/FOOT	MOISTURE (%) DSFFFSFDFSFA	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
20									
25									
30									
35									Boring DB-2 tremie grouted with Portland cement on 10/1/08.

Ninyo & Moore

BORING LOG

HOLLAND OIL - 16301 E.14th STREET
SAN LEANDRO, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401314002	11/08	

DATE DRILLED 10/1/08 BORING NO. DB-3

GROUND ELEVATION 37.52' ABOVE MSL SHEET 1 OF 2

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY _____ LOGGED BY CRA REVIEWED BY KML

DEPTH (feet)	SAMPLES: Bulk	SAMPLES: Groundwater	BLOWS/FOOT	MOISTURE (%) DSFFFSFDFSFA	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0									Boring DB-3 was advanced using a hydropunch discreet groundwater sampling tool. A discreet groundwater sample was collected on 10/1/08 from the targeted zone from 34-37 feet bgs. No lithology was observed. See boring log DB-1A for a general lithologic description of site soils.
5									
10									
15									

Ninyo & Moore

BORING LOG

HOLLAND OIL - 16301 E.14th STREET
SAN LEANDRO, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401314002	11/08	

DATE DRILLED 10/1/08 BORING NO. DB-3

GROUND ELEVATION 37.52' ABOVE MSL SHEET 2 OF 2

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY _____ LOGGED BY CRA REVIEWED BY KML

DEPTH (feet)	SAMPLES: Bulk	SAMPLES: Groundwater	BLOWS/FOOT	MOISTURE (%) DSFFSFDFSFA	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
20									
25									
30									
35									Boring DB-3 tremie grouted with Portland cement on 10/1/08.

Ninyo & Moore

BORING LOG

HOLLAND OIL - 16301 E.14th STREET
SAN LEANDRO, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401314002	11/08	

DATE DRILLED 10/2/08 BORING NO. SB-9

GROUND ELEVATION 37.34' ABOVE MSL SHEET 1 OF 1

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY CRA LOGGED BY CRA REVIEWED BY KML

DEPTH (feet)	SAMPLES (Bulk / Driven)	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0					0		SC	FILL: Brown, damp, clayey gravelly SAND.
	Driven				0		CL	ALLUVIUM: Black, moist, dense silty CLAY.
5	Driven				0		CL	Gray, moist, silty sandy CLAY; fine sand.
			▽		0		SC	Gray, saturated, silty clayey fine to medium SAND.
10	Driven				0		CL	Brown, moist, silty CLAY.
					0		CL	Brown, saturated, silty, sandy CLAY; fine to medium sand.
					0		SW	Brown, saturated, medium SAND.
					0		CL	Brown, moist, silty, sandy CLAY; fine sand.
15								Total depth = 15 feet bgs. Groundwater encountered at approximately 8 feet bgs. Boring tremie grouted with Portland cement on 10/2/08.
20								

Ninyo & Moore

BORING LOG

HOLLAND OIL - 16301 E.14th STREET
SAN LEANDRO, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401314002	11/08	

DATE DRILLED 10/2/08 BORING NO. SB-10

GROUND ELEVATION 37.72' ABOVE MSL SHEET 1 OF 1

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY CRA LOGGED BY CRA REVIEWED BY KML

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0						0		SC	FILL: Light brown, dry, clayey gravelly SAND.
						0		SM	Brown, damp, silty SAND; with organic materials.
		X						CL	ALLUVIUM: Dark brown, moist, silty sandy CLAY; fine to medium sand.
						0			
5		X							
						0		SW	Brown, moist, fine to medium SAND.
						0		CL	Brown, moist, silty sandy CLAY; fine sand.
						0		SP	Brown, moist, silty gravelly medium SAND.
				▽		0		SM	Brown, saturated, silty, clayey medium SAND.
								CL	Dark brown, moist, dense silty CLAY.
10		X				0			
						0		SW	Brown, saturated, fine to medium SAND.
						0		CL	Brown, moist, silty sandy CLAY; fine sand.
15									Total depth = 15 feet bgs.
									Groundwater encountered at approximately 8.25 feet bgs.
									Boring tremie grouted with Portland cement on 10/2/08.
20									

Ninyo & Moore

BORING LOG

HOLLAND OIL - 16301 E.14th STREET
SAN LEANDRO, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401314002	11/08	

DATE DRILLED 10/2/08 BORING NO. SB-11

GROUND ELEVATION 38.20' ABOVE MSL SHEET 1 OF 1

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY CRA LOGGED BY CRA REVIEWED BY KML

DEPTH (feet)	SAMPLES (Bulk / Driven)	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0							SC	FILL: Brown, damp, clayey gravelly SAND.
	Driven				73			Black, staining from 2.5 to 4 feet bgs.
					120		CL	ALLUVIUM: Black, moist, silty fine sandy CLAY.
5							CL	Gray, moist, dense, silty sandy CLAY; fine sand.
					276			
							SW	Gray, moist, fine to medium SAND.
	Driven		▽		546		CL	Gray, saturated, silty sandy CLAY.
					630			
10							CL	Brown, moist, dense, silty CLAY.
	Driven				0			
							CL	Brown, saturated, silty sandy CLAY; fine sand.
					0			
					0		SW	Brown, saturated, medium SAND.
					0		CL	Brown, saturated, silty sandy CLAY; fine sand.
15								Total depth = 15 feet bgs.
								Groundwater encountered at approximately 8 feet bgs.
								Boring tremie grouted with Portland cement on 10/2/08.
20								

Ninyo & Moore

BORING LOG

HOLLAND OIL - 16301 E.14th STREET
SAN LEANDRO, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401314002	11/08	

DATE DRILLED 10/2/08 BORING NO. SB-12

GROUND ELEVATION 37.55' ABOVE MSL SHEET 1 OF 1

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY CRA LOGGED BY CRA REVIEWED BY KML

DEPTH (feet)	SAMPLES: Bulk	SAMPLES: Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0						76		SC	FILL: Brown, dry to damp, clayey gravelly SAND; dark staining.
						0		CL	ALLUVIUM: Brown, moist, dense, silty sandy CLAY.
						0		CL	Black, moist, dense silty CLAY.
5								CL	Gray, moist, dense silty CLAY.
						0		SM	Gray, moist, silty fine SAND.
						0		CL	Gray, moist, silty sandy CLAY; fine sand.
				▽		0		SW	Gray, saturated, fine to medium SAND.
10						0		CL	Dark brown, moist, dense, silty CLAY.
						0		SM	Brown, saturated, silty fine to medium SAND.
						0		CL	Brown, saturated, silty sandy CLAY; fine sand.
15									Total depth = 15 feet bgs.
									Groundwater encountered at approximately 9 feet bgs.
									Boring tremie grouted Portland cement on 10/2/08.
20									

Ninyo & Moore

BORING LOG

HOLLAND OIL - 16301 E.14th STREET
SAN LEANDRO, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401314002	11/08	

DATE DRILLED 10/1/08 BORING NO. MW-9

TOC ELEVATION 37.22' ABOVE MSL SHEET 1 OF 1

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY CRA LOGGED BY CRA REVIEWED BY KML

DEPTH (feet)	SAMPLES: Bulk	SAMPLES: Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0						0		SC	FILL: Brown, dry, clayey gravelly SAND.
						0		CL	ALLUVIUM: Dark brown, moist, dense silty CLAY.
5						0		CL	Brown, moist, dense silty sandy CLAY; fine sand.
						0		SM	Brown, moist, silty fine to medium SAND.
				▼		0		CL	Brown, moist, dense silty CLAY.
				▽		0		SM	Brown, saturated, silty fine to medium SAND.
10						0		CL	Brown, moist, dense silty CLAY.
						0		SM	Brown, saturated, silty fine to medium SAND.
								CL	Brown, moist, dense silty CLAY.
15									Total depth = 15 feet bgs.
									▽ Groundwater encountered at approximately 8.5 feet bgs during drilling activities.
									Groundwater monitoring well installed 10/1/08.
									See MW-9 well construction diagram.
									▼ Static groundwater measured at 8.11 feet below top of casing on 10/14/08.
20									

Ninyo & Moore

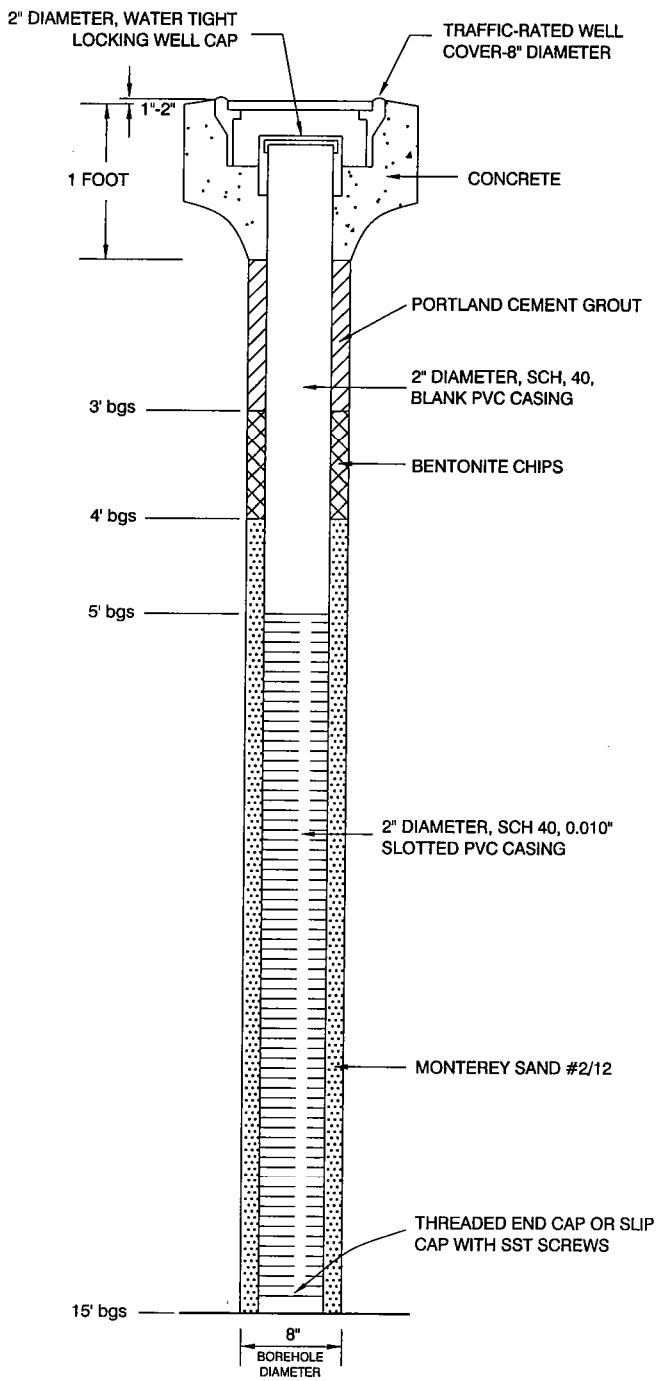
BORING LOG

HOLLAND OIL - 16301 E.14th STREET
SAN LEANDRO, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401314002	11/08	

MONITORING WELL NO: MW - 9

COMPLETION DATE: 10/1/08



TOTAL DEPTH = 15'

NOT TO SCALE

NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

Ninyo & Moore	WELL CONSTRUCTION SCHEMATIC	MW-9
PROJECT NO. / DATE	HOLLAND - OIL 16301 E.14th STREET SAN LEANDRO, CALIFORNIA	
401314002 / 11/08		

DATE DRILLED 9/30/08 BORING NO. MW-10

TOC ELEVATION 36.79' ABOVE MSL SHEET 1 OF 1

METHOD OF DRILLING AUGER (HOLLOW STEM) - 8" OD, 4-1/4" ID

DRIVE WEIGHT _____ DROP _____

SAMPLED BY _____ LOGGED BY DBB REVIEWED BY KML

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0								SC	FILL: Dark brown, moist, clayey gravelly SAND.
								CL	ALLUVIUM: Dark brown, moist, silty CLAY.
5									Brown, moist, sandy CLAY; medium sand. Brown, moist, sandy CLAY; fine sand.
				▼					Brown, moist, silty CLAY.
10								SC	Brown, saturated, clayey fine to medium SAND.
								CL	Grayish brown, moist, silty CLAY.
								SM	Grayish brown, saturated, silty clayey fine to medium SAND.
15									Total depth = 15 feet bgs.
									▽ Groundwater encountered at approximately 9 feet bgs during drilling activities.
									Groundwater monitoring well installed 9/30/08.
									See MW-10 well construction diagram.
									▼ Static groundwater measured at 8.77 feet below top of casing on 10/14/08.
20									

Ninyo & Moore

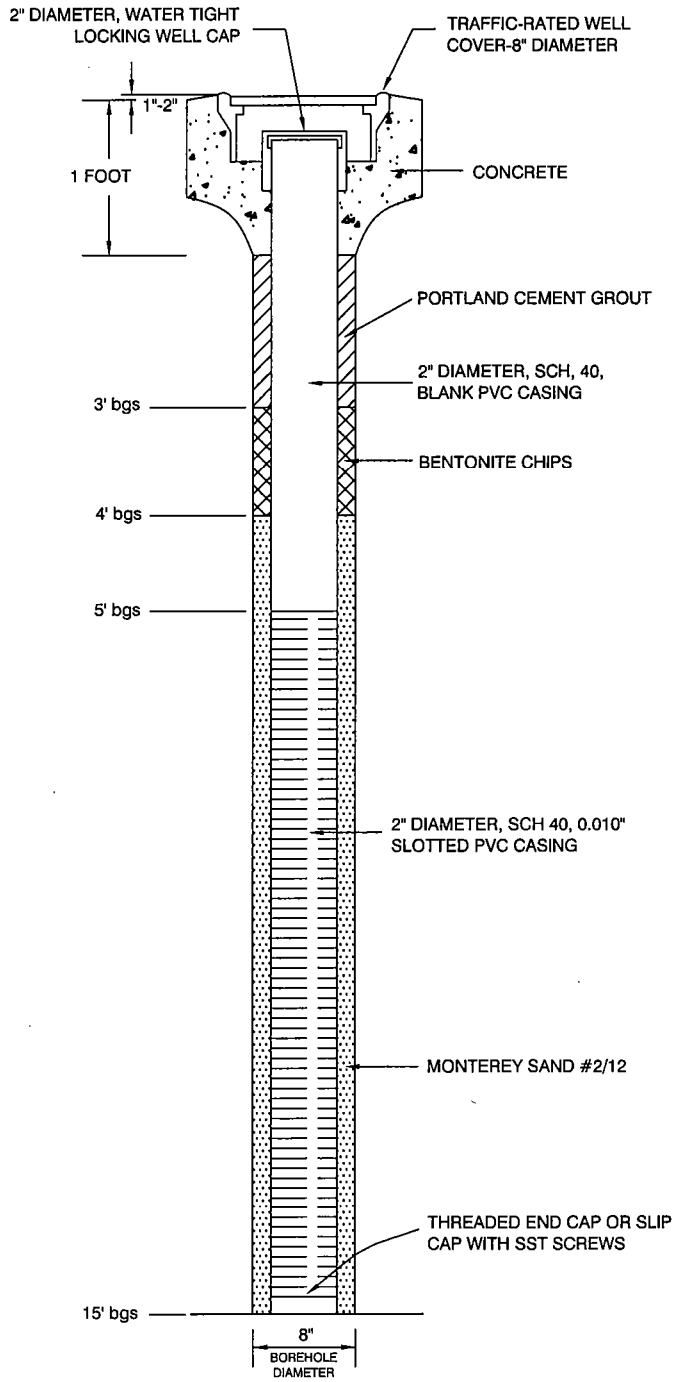
BORING LOG

HOLLAND OIL - 16301 E.14th STREET
SAN LEANDRO, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401314002	11/08	

MONITORING WELL NO: MW - 10

COMPLETION DATE: 9/30/08



TOTAL DEPTH = 15'

NOT TO SCALE

NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

Ninyo & Moore	WELL CONSTRUCTION SCHEMATIC	MW-10
PROJECT NO. 401314002 / DATE 11/08	HOLLAND - OIL 16301 E.14th STREET SAN LEANDRO, CALIFORNIA	

DATE DRILLED 9/30/08 BORING NO. MW-11

TOC ELEVATION 36.2' ABOVE MSL SHEET 1 OF 1

METHOD OF DRILLING AUGER (HOLLOW STEM) - 8" OD, 4-1/4" ID

DRIVE WEIGHT _____ DROP _____

SAMPLED BY _____ LOGGED BY DBB REVIEWED BY KML

DEPTH (feet)	SAMPLES (Bulk / Driven)	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0							SC	FILL: Dark brown, moist, clayey gravelly SAND.
							CL	ALLUVIUM: Dark brown, moist, silty CLAY.
							CL	Brown, moist, sandy CLAY; medium sand.
5							CL	Brown, moist, sandy CLAY; fine sand.
			▼				CL	Brown, moist, silty CLAY.
			▽				CL	Brown, saturated, sandy CLAY; fine to medium sand.
10							CL	Grayish brown, moist, silty CLAY.
							CL	Grayish brown, saturated, silty CLAY.
15								Total depth = 15 feet bgs.
								▽ Groundwater encountered at approximately 9 feet bgs during drilling activities.
								Groundwater monitoring well installed 9/30/08.
								See MW-11 well construction diagram.
								▼ Groundwater encountered at approximately 8.35 feet below top of casing on 10/14/08.
20								

Ninyo & Moore

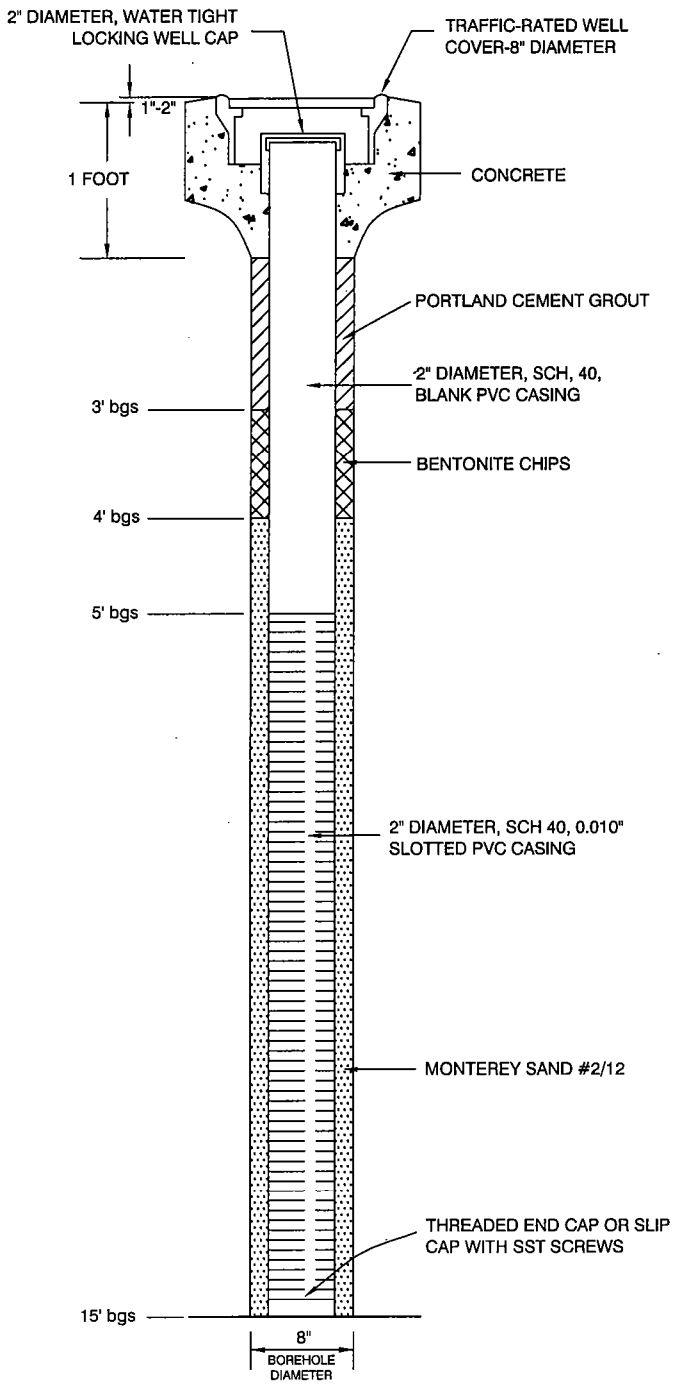
BORING LOG

HOLLAND OIL - 16301 E.14th STREET
SAN LEANDRO, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401314002	11/08	

MONITORING WELL NO: MW - 11

COMPLETION DATE: 9/30/08



TOTAL DEPTH = 15'

NOT TO SCALE

NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

Ninyo & Moore	WELL CONSTRUCTION SCHEMATIC	MW-11
PROJECT NO. / DATE	HOLLAND - OIL 16301 E.14th STREET SAN LEANDRO, CALIFORNIA	
401314002 / 11/08		

DATE DRILLED 9/30/08 BORING NO. MW-12

GROUND ELEVATION 36.06' ABOVE MSL SHEET 1 OF 1

METHOD OF DRILLING AUGER (HOLLOW STEM) - 8" OD, 4-1/4" ID

DRIVE WEIGHT _____ DROP _____

SAMPLED BY _____ LOGGED BY DBB REVIEWED BY KML

DEPTH (feet)	SAMPLES: Bulk	SAMPLES: Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0								SC	FILL: Dark brown, moist, clayey gravelly SAND.
								CL	ALLUVIUM: Dark brown, moist, silty CLAY.
								SC	Brown, moist, clayey coarse SAND.
5								CL	Brown, moist, silty sandy CLAY; fine sand.
				▼ ▽				SM	Brown, saturated, silty fine to medium SAND.
								CL	Brown, moist, silty CLAY.
10									
								SC	Brown, saturated, clayey fine to medium SAND.
15									Total depth = 15 feet bgs.
									▽ Groundwater encountered at approximately 8.5 feet bgs during drilling activities.
									Groundwater monitoring well installed 9/30/08.
									See MW-12 well construction diagram.
									▼ Groundwater encountered at approximately 8.51 feet below top of casing on 10/14/08.
20									

Ninyo & Moore

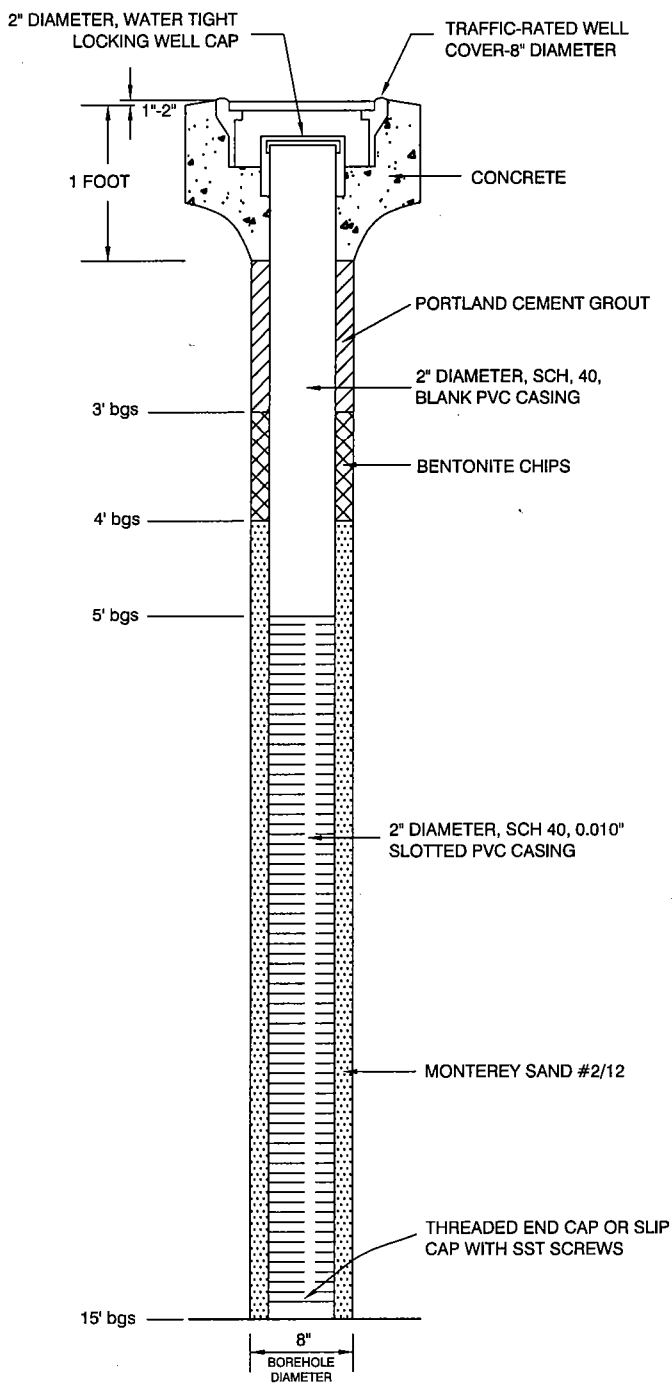
BORING LOG

HOLLAND OIL - 16301 E.14th STREET
SAN LEANDRO, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401314002	11/08	

MONITORING WELL NO: MW - 12

COMPLETION DATE: 9/30/08



TOTAL DEPTH = 15'

NOT TO SCALE

NOTE: ALL DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

Ninyo & Moore	WELL CONSTRUCTION SCHEMATIC	MW-12
PROJECT NO. 401314002 / DATE 11/08	HOLLAND - OIL 16301 E.14th STREET SAN LEANDRO, CALIFORNIA	

APPENDIX E

SOIL VAPOR SAMPLING FIELD DATA

SOIL VAPOR SAMPLING DATA SHEET

Soil Vapor Sampling Point ID: SV-1

Project Name: Holland Oil
Project No: 401314002
Site Address: 16301 E. 14th St.

Date: 10/2/08
Sampler: CRA
PM: GDR

Purge Volume

Calculated Purge Volume: 4.5 in Hg

Time	Flow Rate	Volume	Comments
9:36 - 9:42	~167 ml/min	5 in Hg	

Sample Collection

Flow Control Setting: 167 ml/min
Summa Canister ID: 1243
Summa Canister Size: 6 L
Analysis: TO-15

Time - Begin Sampling	Canister Vacuum	Time - End Sampling	Canister Vacuum	Sampling Time
9:43	-30 in Hg	10:26	-4 in Hg	43 min

Notes:

Soil Vapor Sampling Point ID: SV-2

Project Name: Holland Oil
Project No: 401314002
Site Address: 16301 E. 14th St.

Date: 10/2/08
Sampler: CRA
PM: GDR

Purge Volume

Calculated Purge Volume: 4.5 in Hg

Time	Flow Rate	Volume	Comments
9:38 - 9:45	~143 ml/min	5 in Hg	

Sample Collection

Flow Control Setting: 167 ml/min
Summa Canister ID: 902
Summa Canister Size: 6 L
Analysis: TO-15

Time - Begin Sampling	Canister Vacuum	Time - End Sampling	Canister Vacuum	Sampling Time
9:50	-30 in Hg	11:10	-4 in Hg	80 min

Notes:

SOIL VAPOR SAMPLING DATA SHEET

Soil Vapor Sampling Point ID: SV-3

Project Name: Holland 0.1 **Date:** 10/2/08
Project No: 401314002 **Sampler:** CRA
Site Address: 16301 E 14th St **PM:** GDR

Purge Volume

Calculated Purge Volume: 4.5 in Hg

Time	Flow Rate	Volume	Comments
9:40 - 9:55	~66 mL/min	5 in Hg	

Sample Collection

Flow Control Setting: 167 mL/min Summa Canister ID: 1239
Summa Canister Size: 6L Analysis: TO-15

Time - Begin Sampling	Canister Vacuum	Time - End Sampling	Canister Vacuum	Sampling Time
9:56	-30 in Hg	12:45	-7 in Hg	169 min

Notes:

Soil Vapor Sampling Point ID: SV-4

Project Name: Holland 0.1 **Date:** 10/2/08
Project No: 401314002 **Sampler:** CRA
Site Address: 16301 E 14th St. **PM:** GDR

Purge Volume

Calculated Purge Volume: 4.5 in Hg

Time	Flow Rate	Volume	Comments
11:14 - 1123	~111 ml/min	5 in Hg	

Sample Collection

Flow Control Setting: 167 ml/min Summa Canister ID: 1233
Summa Canister Size: 6L Analysis: TO-15

Time - Begin Sampling	Canister Vacuum	Time - End Sampling	Canister Vacuum	Sampling Time
11:23	-30 in Hg	12:05	-4 in Hg	42 min

Notes:

SOIL VAPOR SAMPLING DATA SHEET

Soil Vapor Sampling Point ID: SV-5

Project Name: Holland oil
Project No: 401314002
Site Address: 16301 E 14th St.

Date: 10/2/08
Sampler: CRA
PM: GDR

Purge Volume

Calculated Purge Volume: 4.5 in Hg

Time	Flow Rate	Volume	Comments
11:55 - 12:12	~50 ml/min	5 in Hg	

Sample Collection

Flow Control Setting: 167 ml/min
Summa Canister ID: 892
Summa Canister Size: 6L
Analysis: TO-15

Time - Begin Sampling	Canister Vacuum	Time - End Sampling	Canister Vacuum	Sampling Time
12:12	-30	1:08	-4 in Hg	56 min

Notes:

Soil Vapor Sampling Point ID: SV-6

Project Name: Holland oil
Project No: 401314002
Site Address: 16301 E 14th St

Date: 10/2/08
Sampler: CRA
PM: GDR

Purge Volume

Calculated Purge Volume: 4.5 in Hg

Time	Flow Rate	Volume	Comments
1242 - 1249	~ 143 ml/min	5 in Hg	

Sample Collection

Flow Control Setting: 167 ml/min
Summa Canister ID: 850
Summa Canister Size: 6 L
Analysis: TO-15

Time - Begin Sampling	Canister Vacuum	Time - End Sampling	Canister Vacuum	Sampling Time
1249	-30	1:35		46 min

Notes:

APPENDIX F

WELL DEVELOPMENT FIELD DATA

Ninyo & Moore — WELL DEVELOPMENT FIELD DATA SHEET

Project Name: *HARD/Holland Oil/Site Asessment*

Site: *16301 E 14th Street* Date: *10/9/2008* Sampler: *CRA*

Project No.: *401314002* Weather: *Sunny*

Monitoring Well ID: *MW-9* Vapor Monitoring Results (ppmv): *0.2*

Casing Diameter: ☑ 2" ☐ 4" ☐ 6" ☐ Other Casing Material: ☑ SCH 40-PVC ☐ Other: S. Steel

Total Depth (ft-TOC)*: *14.43* Floating Immiscible Layer Observed?:

Depth to Water (ft-TOC): *8.04* Floating Immiscible Layer Thickness (feet):

Depth to Water (ft-bgs):

Water Column Height (feet): *6.39* x 2" = 0.16 / 4"=0.65 / 6" = 1.47 gal/ft = *1.02* x 10 = *10.2* Min. Purge Volume (gallons)

Water Level Measurement Equip.: *Dipper-T Water Level Meter* Cleaned: *yes*

Purging Method/Equipment: ~~*wattl pump*~~ *bailer* Cleaned: *yes*

Pump Lines/Bailer Ropes-New or Cleaned?: ~~*cleaned*~~ *new*

Temp./pH Meter: *Oakton*

Conductivity Meter: *"* *"*

Comments: *Soft bottom when first measured, harder after purge, depth → 14.45*

pH STND.	FIELD pH	FIELD TEMP. (°F)
4.0		
7.0	7.02	22.9

TIME	Purge Vol.(Gal)	Totalizer Reading (Gal)	TEMP. (°C)	pH	COND. (µS/cm)	COMMENTS (color, turbidity, odor, sheen, etc.):
408	1		22.1	7.13	850	brown, very turbid, no odor or sheen
412	3		22.0	7.17	792	" "
416	4		21.8	7.23	752	" "
419	5		21.8	7.24	728	" "
422	6		21.8	7.24	722	" "
426	7		21.8	7.25	713	" "
429	8		21.8	7.25	728	" "
433	9		21.7	7.33	725	" "
436	10		21.8	7.30	701	" "
439	11		21.7	7.33	719	" "

Total Volume Purged (gallon): *11* Time Finished Purging: *439*

Sampling Method/Equipment:

Bailer Rope-New or Cleaned?:

Sample Time:

Sample ID:

Replicate ID (if appl.)

Laboratory:

Comments:

Well Recharge Data

Time	*Depth to Water (ft TOC)*		

Ninyo & Moore — WELL DEVELOPMENT FIELD DATA SHEET

Project Name: *HARD/Holland Oil/Site Asessment*

Site: *16301 E 14th Street* Date: *10/9/2008* Sampler: *CRA*

Project No.: *401314002* Weather: *Sunny*

Monitoring Well ID: *MW-10* Vapor Monitoring Results (ppmv): *1.1*

Casing Diameter: ☑ 2" ☐ 4" ☐ 6" ☐ Other Casing Material: ☑ SCH 40-PVC ☐ Other: S. Steel

Total Depth (ft-TOC)*: *14.94* Floating Immiscible Layer Observed?: *no*

Depth to Water (ft-TOC): *8.74* Floating Immiscible Layer Thickness (feet):

Depth to Water (ft-bgs):

Water Column Height (feet): *6.2* x 2" = 0.16, 4"=0.65, 6" = 1.47 gal/ft = *.992* x 10 = *9.92* Min. Purge Volume (gallons)

Water Level Measurement Equip.: *Dipper-T Water Level Meter* Cleaned: *yes*

Purging Method/Equipment: *wail pump* Cleaned: *yes*

Pump Lines/Bailer Ropes-New or Cleaned?: *cleaned*

Temp./pH Meter: *Oakton*

Conductivity Meter: *" "*

Comments: *botton soft when first measured, feels harder after purging but depth doesnt change*

pH STND.	FIELD pH	FIELD TEMP. (°F)
4.0		
7.0	7.02	22.9

TIME	Purge Vol.(Gal)	Totalizer Reading (Gal)	TEMP. (°C)	pH	COND. (µS/cm)	COMMENTS (color, turbidity, odor, sheen, etc.):
1403	1		20.3	7.24	900	brown, very turbid, no odor or sheen
1404	2		20.2	7.23	871	" "
1405	3		20.0	7.22	796	" "
1406	4		19.9	7.22	711	" "
1407	5		19.8	7.22	690	" "
1408	6		19.8	7.26	650	" "
1409	7		19.7	7.27	652	" "
1410	8		19.7	7.28	654	" "
1411	9		19.7	7.29	651	brown, less turbid but still not clear
1412	10		19.7	7.30	649	" "

Total Volume Purged (gallon): *10* Time Finished Purging: *1412*

Sampling Method/Equipment:

Bailer Rope-New or Cleaned?:

Sample Time:

Sample ID:

Replicate ID (if appl.)

Laboratory:

Comments:

Well Recharge Data

Time	*Depth to Water (ft TOC)*		

Ninyo & Moore — WELL DEVELOPMENT FIELD DATA SHEET

Project Name: *HARD/Holland Oil/Site Asessment*

Site: *16301 E 14th Street* Date: *10/9/2008* Sampler: *CRA*

Project No.: *401314002* Weather: *Sunny*

Monitoring Well ID: *MW-11* Vapor Monitoring Results (ppmv): *2.7*

Casing Diameter: ☑ 2" ☐ 4" ☐ 6" ☐ Other Casing Material: ☑ SCH 40-PVC ☐ Other: S. Steel

Total Depth (ft-TOC)*: *14.44* Floating Immiscible Layer Observed?: *no*

Depth to Water (ft-TOC): *8.30* Floating Immiscible Layer Thickness (feet):

Depth to Water (ft-bgs):

Water Column Height (feet): *6.14* x 2" = 0.16 / 4"=0.65 / 6" = 1.47 gal/ft = *.9824* x 10 = *9.82* Min. Purge Volume (gallons)

Water Level Measurement Equip.: *Dipper-T Water Level Meter* Cleaned: *yes*

Purging Method/Equipment: *wail pump* Cleaned: *yes*

Pump Lines/Bailer Ropes-New or Cleaned?: *cleaned*

Temp./pH Meter: *Oakton*

Conductivity Meter: *" "*

Comments: *bottom of well soft when first measured, after purging depth is 14.55 and bottom is hard*

pH STND.	FIELD pH	FIELD TEMP. (°F)
4.0		
7.0	7.02	22.9

TIME	Purge Vol.(Gal)	Totalizer Reading (Gal)	TEMP. (°C)	pH	COND. (µS/cm)	COMMENTS (color, turbidity, odor, sheen, etc.):
1252	1		21.0	6.73	850	grey, turbid, no odor or sheen
1254	2		20.6	6.72	821	" "
1255	3		20.4	6.72	696	" "
1256	4		20.2	6.75	673	" "
1257	5		20.2	6.97	707	" "
1258	6		20.1	7.00	681	" "
1259	7		20.0	7.02	676	" "
1300	8		19.9	7.04	677	" "
1301	9		20.0	7.12	672	" "
1302	10		20.1	7.15	670	" "

Total Volume Purged (gallon): *10* Time Finished Purging: *1302*

Sampling Method/Equipment:

Bailer Rope-New or Cleaned?:

Sample Time:

Sample ID:

Replicate ID (if appl.)

Laboratory:

Comments:

Well Recharge Data

Time	*Depth to Water (ft TOC)*		

Ninyo & Moore — WELL DEVELOPMENT FIELD DATA SHEET

Project Name: *HARD/Holland Oil/Site Asessment*

Site: *16301 E 14th Street* Date: *10/9/2008* Sampler: *CRA*

Project No.: *401314002* Weather: *Sunny*

Monitoring Well ID: *MW-12* Vapor Monitoring Results (ppmv): *20.4*

Casing Diameter: ☑ 2" ☐ 4" ☐ 6" ☐ Other Casing Material: ☑ SCH 40-PVC ☐ Other: S. Steel

Total Depth (ft-TOC)*: *14.90* Floating Immiscible Layer Observed?: *no*

Depth to Water (ft-TOC): *8.46* Floating Immiscible Layer Thickness (feet):

Depth to Water (ft-bgs):

Water Column Height (feet): *6.44* x 2" = 0.16 / 4"=0.65 / 6" = 1.47 gal/ft = *1.03* x 10 = *10.3* Min. Purge Volume (gallons)

Water Level Measurement Equip.: *Dipper-T Water Level Meter* Cleaned: *yes*

Purging Method/Equipment: *wail pump* Cleaned: *yes*

Pump Lines/Bailer Ropes-New or Cleaned?: *cleaned*

Temp./pH Meter: *Oakton*

Conductivity Meter: *" "*

Comments: *well bottom felt soft before purging harder after, no change in depth*

pH STND.	FIELD pH	FIELD TEMP. (°F)
4.0		
7.0	7.02	22.9

TIME	Purge Vol.(Gal)	Totalizer Reading (Gal)	TEMP. (°C)	pH	COND. (µS/cm)	COMMENTS (color, turbidity, odor, sheen, etc.):
11:45	1		21.3	7.55	975	dark grey, very turbid, slight odor, no sheen
11:48	2		21.5	7.63	888	" "
11:50	3		21.6	7.64	820	" "
11:51	4		21.1	7.59	839	" "
11:53	5		20.9	7.56	828	" "
11:55	6		21.3	7.58	760	" "
11:57	7		21.3	7.55	723	" "
11:59	8		21.2	7.55	706	" "
12:01	9		21.2	7.54	701	" "
12:03	10		21.2	7.52	703	" "
12:04	11		21.1	7.51	701	" "

Total Volume Purged (gallon): *11* Time Finished Purging: *1204*

Sampling Method/Equipment:

Bailer Rope-New or Cleaned?:

Sample Time:

Sample ID:

Replicate ID (if appl.)

Laboratory:

Comments:

Well Recharge Data

Time	*Depth to Water (ft TOC)*		

APPENDIX G

GROUNDWATER SAMPLING FIELD DATA

Ninyo & Moore — GROUNDWATER SAMPLING FIELD DATA SHEET

Project Name: *HARD/Holland Oil/Site Assessment* 13

Site: 16301 East 14th Street | Date: *10/13/2008* | Sampler: *CRA*

Project No.: *401314002* | Weather: *Sunny*

Monitoring Well ID: *MW-1* | Vapor Monitoring Results (ppmv):

Casing Diameter: ☑ 2" ☐ 4" ☐ 6" ☐ Other | Casing Material: ☑ SCH 40-PVC ☐ Other: S. Steel

Total Depth (ft-TOC): *15.58* | Floating Immiscible Layer Observed?: *no*

Depth to Water (ft-TOC): *8.73* | Floating Immiscible Layer Thickness (feet):

Water Column Height (feet): *6.85* x (2" = 0.16, 4"=0.65, 6" = 1.47) gal/ft = *1.1* x 3 = *3.3* Min. Purge Volume (gallons)

Water Level Measurement Equip.: *Dipper-T Water Level Meter* | Cleaned:

Purging Method/Equipment: *peristaltic pump/disposable bailer* | Cleaned:

Pump Lines/Bailer Ropes-New or Cleaned?: *new*

Temp./pH Meter: *Oakton* | Calibration (date/time): *10/13/08*

Conductivity Meter: *"* *"* | Calibration (date/time): *10/13/08*

Comments:

pH STND.	FIELD pH	FIELD TEMP. (°F)
4.0		
7.0	7.03	22.7

TIME	Purge Vol.(Gal)	Totalizer Reading (Gal)	TEMP. (°F)	pH	COND. (µS/cm)	COMMENTS (color, turbidity, odor, sheen, etc.):
10:09	0.5		21.3	7.84	697	clear, petroleum odor, no sheen
10:10	1		21.5	7.82	693	" "
10:11	1.5		21.6	7.80	691	slightly grey, clear, odor, no sheen
10:13	2		21.7	7.78	689	" "
10:14	2.5		21.7	7.76	688	grey, slight odor, no sheen
10:15	3		21.6	7.73	689	" "
10:16	3.5		21.6	7.70	685	" "

Total Volume Purged (gallon): *3.5* | Time Finished Purging: *10:16*

Sampling Method/Equipment: *peristaltic pump*

Bailer Rope-New or Cleaned?: *new*

Sample Time: *10:18*

Sample ID: *MW-1*

Replicate ID (if appl.)

Laboratory: *Sparger Technology Inc.*

Comments:

PARAMETER	USEPA METHOD	CONTAINERS/VOLUME/ TYPE (Voa/Glass/Plastic)	PRES.

Ninyo & Moore — GROUNDWATER SAMPLING FIELD DATA SHEET

Project Name: *HARD/Holland Oil/Site Assessment* 13

Site: 16301 East 14th Street | Date: *10/13/2008* | Sampler: *CRA*

Project No.: *401314002* | Weather: *Sunny*

Monitoring Well ID: *MW-2* | Vapor Monitoring Results (ppmv):

Casing Diameter: ☑ 2" ☐ 4" ☐ 6" ☐ Other | Casing Material: ☑ SCH 40-PVC ☐ Other: S. Steel

Total Depth (ft-TOC): 22.04 | Floating Immiscible Layer Observed?:

Depth to Water (ft-TOC): 9.04 | Floating Immiscible Layer Thickness (feet):

Water Column Height (feet): 13.00 x (2" = 0.16, 4"=0.65, 6" = 1.47) gal/ft = 2.08 x 3 = 6.24 Min. Purge Volume (gallons)

Water Level Measurement Equip.: *Dipper-T Water Level Meter* | Cleaned:

Purging Method/Equipment: *peristaltic pump/disposable bailer* | Cleaned:

Pump Lines/Bailer Ropes-New or Cleaned?: *new*

Temp./pH Meter: Oakton | Calibration (date/time): 10/13/08

Conductivity Meter: " " | Calibration (date/time):

Comments:

pH STND.	FIELD pH	FIELD TEMP. (°F)
4.0		
7.0	7.03	22.7

TIME	Purge Vol.(Gal)	Totalizer Reading (Gal)	TEMP. (°F)	pH	COND. (µS/cm)	COMMENTS (color, turbidity, odor, sheen, etc.):
1102	1		19.2	7.46	632	grey, very turbid, slight petroleum odor, no sheen
1109	2		19.0	7.51	623	grey, cloudy, no odor / sheen
1116	3		19.1	7.51	626	" "
1139	4		19.0	7.37	620	" "
1145	5		19.0	7.41	620	" "
1151	6		19.0	7.43	621	" "
1153	6.5		19.0	7.44	621	" "

Total Volume Purged (gallon): 6.5 | Time Finished Purging: 1153

Sampling Method/Equipment: *peristaltic pump*

Bailer Rope-New or Cleaned?: *new*

Sample Time: 1200

Sample ID: MW-2

Replicate ID (if appl.)

Laboratory: *Sparger Technology Inc.*

Comments:

PARAMETER	USEPA METHOD	CONTAINERS/VOLUME/ TYPE (Voa/Glass/Plastic)	PRES.

Ninyo & Moore — GROUNDWATER SAMPLING FIELD DATA SHEET

Project Name: *HARD/Holland Oil/Site Assessment* 13

Site: 16301 East 14th Street
Project No.: *401314002*
Monitoring Well ID: *MW-3*

Date: *10/13/2008* Sampler: *CRA*
Weather: *Sunny*
Vapor Monitoring Results (ppmv):

Casing Diameter: ☑ 2" ☐ 4" ☐ 6" ☐ Other
Casing Material: ☑ SCH 40-PVC ☐ Other: S. Steel
Total Depth (ft-TOC): 22.77
Depth to Water (ft-TOC): 8.77
Floating Immiscible Layer Observed?:
Floating Immiscible Layer Thickness (feet):

Water Column Height (feet): 14.00 x (2" = 0.16, 4"=0.65, 6" = 1.47) gal/ft = 2.24 x 3 = 6.72 Min. Purge Volume (gallons)

Water Level Measurement Equip.: *Dipper-T Water Level Meter* Cleaned:
Purging Method/Equipment: *peristaltic pump/disposable bailer* Cleaned:
Pump Lines/Bailer Ropes-New or Cleaned?: *new*
Temp./pH Meter: Oakton Calibration (date/time): 10/13/08
Conductivity Meter: " " Calibration (date/time):
Comments:

pH STND.	FIELD pH	FIELD TEMP. (°F)
4.0		
7.0	7.03	22.7

TIME	Purge Vol.(Gal)	Totalizer Reading (Gal)	TEMP. (°F)	pH	COND. (µS/cm)	COMMENTS (color, turbidity, odor, sheen, etc.):
1238	1		20.9	7.32	617	clear/grey, no odor/sheen
1243	2		21.5	7.40	609	grey, " "
1248	3		21.7	7.39	610	clear/grey, " "
1253	4		21.8	7.41	609	" "
1258	5		21.8	7.38	610	" "
1303	6		21.8	7.37	610	" "
1308	7		21.8	7.37	610	" "

Total Volume Purged (gallon): 7 Time Finished Purging: 1308

Sampling Method/Equipment: *peristaltic pump*

Bailer Rope-New or Cleaned?: *new*
Sample Time: 1310
Sample ID: MW-3
Replicate ID (if appl.)

Laboratory: *Sparger Technology Inc.*

Comments:

PARAMETER	USEPA METHOD	CONTAINERS/VOLUME/ TYPE (Voa/Glass/Plastic)	PRES.

Ninyo & Moore

GROUNDWATER SAMPLING FIELD DATA SHEET

Project Name: *HARD/Holland Oil/Site Assessment* 13

Site: 16301 East 14th Street

Project No.: *401314002*

Monitoring Well ID: *MW-4*

Date: *10/13/2008* Sampler: *CRA*

Weather: *Sunny*

Vapor Monitoring Results (ppmv):

Casing Diameter: ☑ 2" ☐ 4" ☐ 6" ☐ Other

Casing Material: ☑ SCH 40-PVC ☐ Other: S. Steel

Total Depth (ft-TOC): 19.25

Depth to Water (ft-TOC): 8.89

Floating Immiscible Layer Observed?:

Floating Immiscible Layer Thickness (feet):

Water Column Height (feet): 10.36 x (2" = 0.16, 4"=0.65, 6" = 1.47) gal/ft = 1.66 x 3 = 4.97 Min. Purge Volume (gallons)

Water Level Measurement Equip.: *Dipper-T Water Level Meter* Cleaned:

Purging Method/Equipment: *peristaltic pump/disposable bailer* Cleaned:

Pump Lines/Bailer Ropes-New or Cleaned?: *new*

Temp./pH Meter: Oakton Calibration (date/time): 10/13/08

Conductivity Meter: " " Calibration (date/time): " "

Comments:

pH STND.	FIELD pH	FIELD TEMP. (°F)
4.0		
7.0	7.03	22.7

TIME	Purge Vol.(Gal)	Totalizer Reading (Gal)	TEMP. (°F)	pH	COND. (µS/cm)	COMMENTS (color, turbidity, odor, sheen, etc.):
13:51	1		20.3	7.13	661	Clear/grey, Cloudy, Slight petroleum odor, no sheen
13:55	2		21.0	7.14	657	" "
14:00	3		20.9	7.17	657	" "
14:04	4		20.9	7.18	656	" "
14:09	5.5		20.9	7.19	658	" "

Total Volume Purged (gallon): 5.5 Time Finished Purging: 1409

Sampling Method/Equipment: *peristaltic pump*

Bailer Rope-New or Cleaned?: *new*

Sample Time: 1410

Sample ID: MW-4

Replicate ID (if appl.)

Laboratory: *Sparger Technology Inc.*

Comments:

PARAMETER	USEPA METHOD	CONTAINERS/VOLUME/ TYPE (Voa/Glass/Plastic)	PRES.

Ninyo & Moore — GROUNDWATER SAMPLING FIELD DATA SHEET

Project Name: *HARD/Holland Oil/Site Assessment* 13

Site: 16301 East 14th Street — Date: *10/13/2008* — Sampler: *CRA*

Project No.: *401314002* — Weather: *Sunny*

Monitoring Well ID: *MW-5* — Vapor Monitoring Results (ppmv):

Casing Diameter: ☑ 2" ☐ 4" ☐ 6" ☐ Other — Casing Material: ☑ SCH 40-PVC ☐ Other: S. Steel

Total Depth (ft-TOC): *19.35* — Floating Immiscible Layer Observed?:

Depth to Water (ft-TOC): *8.66* — Floating Immiscible Layer Thickness (feet):

Water Column Height (feet): *10.69* x (2" = 0.16, 4"=0.65, 6" = 1.47) gal/ft = *1.71* x 3 = *5.13* Min. Purge Volume (gallons)

Water Level Measurement Equip.: *Dipper-T Water Level Meter* — Cleaned:

Purging Method/Equipment: *peristaltic pump/disposable bailer* — Cleaned:

Pump Lines/Bailer Ropes-New or Cleaned?: *new*

Temp./pH Meter: *Oakton* — Calibration (date/time): *10/13/08*

Conductivity Meter: *"* *"* — Calibration (date/time): *"* *"*

Comments:

pH STND.	FIELD pH	FIELD TEMP. (°F)
4.0		
7.0	7.03	82.7

TIME	Purge Vol.(Gal)	Totalizer Reading (Gal)	TEMP. (°F)	pH	COND. (µS/cm)	COMMENTS (color, turbidity, odor, sheen, etc.):
1454	1		19.3	7.03	732	grey/clear, cloudy, no odor/sheen
1457	2		19.2	7.06	727	" "
1500	3		19.2	7.08	727	" "
1503	4		19.2	7.08	723	" "
1509	5.5		19.1	7.08	721	" "

Total Volume Purged (gallon): *5.5* — Time Finished Purging: *1509*

Sampling Method/Equipment: *peristaltic pump*

Bailer Rope-New or Cleaned?: *new*

Sample Time: *1510*

Sample ID: *MW-5*

Replicate ID (if appl.)

Laboratory: *Sparger Technology Inc.*

Comments:

PARAMETER	USEPA METHOD	CONTAINERS/VOLUME/ TYPE (Voa/Glass/Plastic)	PRES.

Ninyo & Moore — GROUNDWATER SAMPLING FIELD DATA SHEET

Project Name: *HARD/Holland Oil/Site Assessment*

Site: 16301 East 14th Street
Project No.: *401314002*
Monitoring Well ID: *MW-6*

Date: *10/13/2008* Sampler: *CRA*
Weather: *Sunny*
Vapor Monitoring Results (ppmv):

Casing Diameter: ☑ 2" ☐ 4" ☐ 6" ☐ Other
Casing Material: ☑ SCH 40-PVC ☐ Other: S. Steel
Total Depth (ft-TOC): *13.75*
Depth to Water (ft-TOC): *8.85*
Floating Immiscible Layer Observed?:
Floating Immiscible Layer Thickness (feet):

Water Column Height (feet): *4.90* x (2" = 0.16, 4"=0.65, 6" = 1.47) gal/ft = *.784* x 3 = *2.35* Min. Purge Volume (gallons)

Water Level Measurement Equip.: *Dipper-T Water Level Meter* Cleaned:
Purging Method/Equipment: *peristaltic pump/disposable bailer* Cleaned:
Pump Lines/Bailer Ropes-New or Cleaned?: *new*
Temp./pH Meter: *Oakton* Calibration (date/time): *10/13/08*
Conductivity Meter: *"* *"* Calibration (date/time): *"* *"*
Comments:

pH STND.	FIELD pH	FIELD TEMP. (°F)
4.0		
7.0	7.03	22.7

TIME	Purge Vol.(Gal)	Totalizer Reading (Gal)	TEMP. (°F)	pH	COND. (µS/cm)	COMMENTS (color, turbidity, odor, sheen, etc.):
1553	1		22.9	7.05	649	Clear/grey, cloudy, petroleum odor, no sheen
1601	2		22.8	7.02	639	Clear, slightly cloudy, " "
1609	3		22.7	7.01	637	" "

Total Volume Purged (gallon): *3* Time Finished Purging: *1609*

Sampling Method/Equipment: *peristaltic pump*

Bailer Rope-New or Cleaned?: *new*
Sample Time: *1610*
Sample ID: *MW-6*
Replicate ID (if appl.)

Laboratory: *Sparger Technology Inc.*

Comments:

PARAMETER	USEPA METHOD	CONTAINERS/VOLUME/ TYPE (Voa/Glass/Plastic)	PRES.

Ninyo & Moore

GROUNDWATER SAMPLING FIELD DATA SHEET

Project Name: *HARD/Holland Oil/Site Assessment* 13

Site: 16301 East 14th Street
Project No.: *401314002*
Monitoring Well ID: MW-7

Date: *10/13/2008* Sampler: *CRA*
Weather: *Sunny*
Vapor Monitoring Results (ppmv):

Casing Diameter: ☑ 2" ☐ 4" ☐ 6" ☐ Other
Casing Material: ☑ SCH 40-PVC ☐ Other: S. Steel

Total Depth (ft-TOC): 14.72
Depth to Water (ft-TOC): 8.75
Floating Immiscible Layer Observed?:
Floating Immiscible Layer Thickness (feet):

Water Column Height (feet): 5.97 x (2" = 0.16, 4"=0.65, 6" = 1.47) gal/ft = .955 x 3 = 2.87 Min. Purge Volume (gallons)

Water Level Measurement Equip.: *Dipper-T Water Level Meter* Cleaned:
Purging Method/Equipment: *peristaltic pump/disposable bailer* Cleaned:
Pump Lines/Bailer Ropes-New or Cleaned?: *new*
Temp./pH Meter: Oakton Calibration (date/time): 10/13/08
Conductivity Meter: " " Calibration (date/time): " "

Comments:

pH STND.	FIELD pH	FIELD TEMP. (°F)
4.0		
7.0	7.03	22.7

TIME	Purge Vol.(Gal)	Totalizer Reading (Gal)	TEMP. (°F)	pH	COND. (µS/cm)	COMMENTS (color, turbidity, odor, sheen, etc.):
1640	1		20.9	7.10	586	Clear/grey, Cloudy, No odor/Sheen
1646	2		20.9	7.10	584	Clear, Slightly Cloudy, " "
1652	3		20.9	7.10	583	" "

Total Volume Purged (gallon): 3 Time Finished Purging: 1652

Sampling Method/Equipment: *peristaltic pump*

Bailer Rope-New or Cleaned?: *new*
Sample Time: 1655
Sample ID: MW-7
Replicate ID (if appl.)

Laboratory: *Sparger Technology Inc.*

Comments:

PARAMETER	USEPA METHOD	CONTAINERS/VOLUME/ TYPE (Voa/Glass/Plastic)	PRES.

Ninyo & Moore

GROUNDWATER SAMPLING FIELD DATA SHEET

Project Name: *HARD/Holland Oil/Site Assessment* 14

Site: 16301 East 14th Street
Project No.: *401314002*
Monitoring Well ID: *MW-8*

Date: *10/14/2008* Sampler: *CRA*
Weather: *Sunny*
Vapor Monitoring Results (ppmv):

Casing Diameter: ☑ 2" ☐ 4" ☐ 6" ☐ Other
Casing Material: ☑ SCH 40-PVC ☐ Other: S. Steel
Total Depth (ft-TOC): *14.9*
Depth to Water (ft-TOC): *8.69*
Floating Immiscible Layer Observed?: *no*
Floating Immiscible Layer Thickness (feet):

Water Column Height (feet): *6.21* x (2" = 0.16, 4"=0.65, 6" = 1.47) gal/ft = *.99* x 3 = *2.97* Min. Purge Volume (gallons)

Water Level Measurement Equip.: *Dipper-T Water Level Meter* Cleaned:
Purging Method/Equipment: *peristaltic pump/disposable bailer* Cleaned:
Pump Lines/Bailer Ropes-New or Cleaned?: *new*
Temp./pH Meter: *Oakton* Calibration (date/time): *10/14/08*
Conductivity Meter: " " Calibration (date/time): " "
Comments:

pH STND.	FIELD pH	FIELD TEMP. (°F)
4.0		
7.0	7.02	11.5

TIME	Purge Vol.(Gal)	Totalizer Reading (Gal)	TEMP. (°F)	pH	COND. (µS/cm)	COMMENTS (color, turbidity, odor, sheen, etc.):
1216	1		21.4	7.36	569	Clear, Slightly cloudy, Strong petroleum odor, no sheen
1222	2		21.3	7.33	569	Clear, Strong petroleum odor, no sheen
1229	3.5		21.2	7.28	569	" "

Total Volume Purged (gallon): *3.5* Time Finished Purging: *1229*

Sampling Method/Equipment: *peristaltic pump*

Bailer Rope-New or Cleaned?: *new*
Sample Time: *1230*
Sample ID: *MW-8*
Replicate ID (if appl.)

Laboratory: *Sparger Technology Inc.*

Comments:

PARAMETER	USEPA METHOD	CONTAINERS/VOLUME/ TYPE (Voa/Glass/Plastic)	PRES.

Ninyo & Moore — GROUNDWATER SAMPLING FIELD DATA SHEET

Project Name: *HARD/Holland Oil/Site Assessment* 14

Site: 16301 East 14th Street
Project No.: *401314002*
Monitoring Well ID: *MW-9*

Date: *10/14/2008* Sampler: *CRA*
Weather: *Sunny*
Vapor Monitoring Results (ppmv):

Casing Diameter: ☑ 2" ☐ 4" ☐ 6" ☐ Other
Casing Material: ☑ SCH 40-PVC ☐ Other: S. Steel
Total Depth (ft-TOC): 14.42
Depth to Water (ft-TOC): 8.11
Floating Immiscible Layer Observed?: no
Floating Immiscible Layer Thickness (feet):

Water Column Height (feet): 6.31 x (2" = 0.16, 4"=0.65, 6" = 1.47) gal/ft = 1.01 x 3 = 3.03 Min. Purge Volume (gallons)

Water Level Measurement Equip.: *Dipper-T Water Level Meter* Cleaned:
Purging Method/Equipment: *peristaltic pump/disposable bailer* Cleaned:
Pump Lines/Bailer Ropes-New or Cleaned?: *new*
Temp./pH Meter: Oakton Calibration (date/time): 10/14/08
Conductivity Meter: " " Calibration (date/time): " "
Comments:

pH STND.	FIELD pH	FIELD TEMP. (°F)
4.0		
7.0	7.02	11.5

TIME	Purge Vol.(Gal)	Totalizer Reading (Gal)	TEMP. (°F)	pH	COND. (µS/cm)	COMMENTS (color, turbidity, odor, sheen, etc.):
1130	1		21.5	7.44	609	brown, very turbid, no odor/sheen
1136	2		21.5	7.37	607	grey/clear, cloudy, no odor/sheen
1144	3.5		21.5	7.33	613	clear, no odor/sheen

Total Volume Purged (gallon): 3.5 Time Finished Purging: 1144

Sampling Method/Equipment: *peristaltic pump*

Bailer Rope-New or Cleaned?: *new*
Sample Time: 1145
Sample ID: MW-9
Replicate ID (if appl.)

Laboratory: *Sparger Technology Inc.*

Comments:

PARAMETER	USEPA METHOD	CONTAINERS/VOLUME/ TYPE (Voa/Glass/Plastic)	PRES.

Ninyo & Moore — GROUNDWATER SAMPLING FIELD DATA SHEET

Project Name: *HARD/Holland Oil/Site Assessment* 14

Site: 16301 East 14th Street
Project No.: *401314002*
Monitoring Well ID: MW-10

Date: *10/7/2008* Sampler: *CRA*
Weather: Sunny
Vapor Monitoring Results (ppmv):

Casing Diameter: ☑ 2" ☐ 4" ☐ 6" ☐ Other
Casing Material: ☑ SCH 40-PVC ☐ Other: S. Steel
Total Depth (ft-TOC): 19.95
Depth to Water (ft-TOC): 8.77
Floating Immiscible Layer Observed?: no
Floating Immiscible Layer Thickness (feet):

Water Column Height (feet): 6.18 x (2" = 0.16, 4"=0.65, 6" = 1.47) gal/ft = .99 x 3 = 2.97 Min. Purge Volume (gallons)

Water Level Measurement Equip.: *Dipper-T Water Level Meter* Cleaned:
Purging Method/Equipment: *peristaltic pump/disposable bailer* Cleaned:
Pump Lines/Bailer Ropes-New or Cleaned?: *new*
Temp./pH Meter: Oakton Calibration (date/time): 10/14/08
Conductivity Meter: " " Calibration (date/time): " "
Comments:

pH STND.	FIELD pH	FIELD TEMP. (°F)
4.0		
7.0	7.02	11.5

TIME	Purge Vol.(Gal)	Totalizer Reading (Gal)	TEMP. (°F)	pH	COND. (µS/cm)	COMMENTS (color, turbidity, odor, sheen, etc.):
845	1		18.9	7.74	605	brown, turbid, no odor/sheen
851	2		19.1	7.66	595	grey/clear, cloudy, no odor/sheen
859	3.5		19.2	7.61	593	" "

Total Volume Purged (gallon): 3.5 Time Finished Purging: 859

Sampling Method/Equipment: *peristaltic pump*

Bailer Rope-New or Cleaned?: *new*
Sample Time: 900
Sample ID: MW-10
Replicate ID (if appl.)

Laboratory: *Sparger Technology Inc.*

Comments:

PARAMETER	USEPA METHOD	CONTAINERS/VOLUME/ TYPE (Voa/Glass/Plastic)	PRES.

Ninyo & Moore

GROUNDWATER SAMPLING FIELD DATA SHEET

Project Name: *HARD/Holland Oil/Site Assessment* 14

Site: 16301 East 14th Street
Project No.: *401314002*
Monitoring Well ID: *MW-11*

Date: *10/14/2008* Sampler: *CRA*
Weather: *Sunny*
Vapor Monitoring Results (ppmv):

Casing Diameter: ☑ 2" ☐ 4" ☐ 6" ☐ Other
Casing Material: ☑ SCH 40-PVC ☐ Other: S. Steel
Total Depth (ft-TOC): *14.56*
Depth to Water (ft-TOC): *8.35*
Floating Immiscible Layer Observed?: *no*
Floating Immiscible Layer Thickness (feet):

Water Column Height (feet): *6.21* x (2" = 0.16, 4"=0.65, 6" = 1.47) gal/ft = *.994* x 3 = *.298* Min. Purge Volume (gallons)

Water Level Measurement Equip.: *Dipper-T Water Level Meter* Cleaned:
Purging Method/Equipment: *peristaltic pump/disposable bailer* Cleaned:
Pump Lines/Bailer Ropes-New or Cleaned?: *new*
Temp./pH Meter: *Oakton* Calibration (date/time): *10/14/08*
Conductivity Meter: " " Calibration (date/time): " "
Comments:

pH STND.	FIELD pH	FIELD TEMP. (°F)
4.0		
7.0	7.02	11.5

TIME	Purge Vol.(Gal)	Totalizer Reading (Gal)	TEMP. (°F)	pH	COND. (µS/cm)	COMMENTS (color, turbidity, odor, sheen, etc.):
9:33	1		19.3	7.64	649	Clear/grey, cloudy, no odor/sheen
9:39	2		19.4	7.56	638	" "
9:47	3.5		19.4	7.48	634	Clear, no odor/sheen

Total Volume Purged (gallon): *3.5* Time Finished Purging: *947*

Sampling Method/Equipment: *peristaltic pump*

Bailer Rope-New or Cleaned?: *new*
Sample Time: *950*
Sample ID: *MW-11*
Replicate ID (if appl.)

Laboratory: *Sparger Technology Inc.*

Comments:

PARAMETER	USEPA METHOD	CONTAINERS/VOLUME/ TYPE (Voa/Glass/Plastic)	PRES.

Ninyo & Moore

GROUNDWATER SAMPLING FIELD DATA SHEET

Project Name: *HARD/Holland Oil/Site Assessment* 14

Site: 16301 East 14th Street
Project No.: *401314002*
Monitoring Well ID: MW-12

Date: *10/14/2008* Sampler: *CRA*
Weather: *Sunny*
Vapor Monitoring Results (ppmv):

Casing Diameter: ☑ 2" ☐ 4" ☐ 6" ☐ Other
Casing Material: ☑ SCH 40-PVC ☐ Other: S. Steel
Total Depth (ft-TOC): 14.91
Depth to Water (ft-TOC): 8.51
Floating Immiscible Layer Observed?: no
Floating Immiscible Layer Thickness (feet):

Water Column Height (feet): 6.40 x (2" = 0.16, 4"=0.65, 6" = 1.47) gal/ft = 1.02 x 3 = 3.06 Min. Purge Volume (gallons)

Water Level Measurement Equip.: *Dipper-T Water Level Meter* Cleaned:
Purging Method/Equipment: *peristaltic pump/disposable bailer* Cleaned:
Pump Lines/Bailer Ropes-New or Cleaned?: *new*
Temp./pH Meter: Oakton Calibration (date/time): 10/14/08
Conductivity Meter: " Calibration (date/time): "

Comments:

pH STND.	FIELD pH	FIELD TEMP. (°F)
4.0		
7.0	7.02	11.5

TIME	Purge Vol.(Gal)	Totalizer Reading (Gal)	TEMP. (°F)	pH	COND. (µS/cm)	COMMENTS (color, turbidity, odor, sheen, etc.):
1017	1		20.6	7.48	651	grey/clear, cloudy, slight odor, no sheen
1023	2		20.6	7.43	654	" "
1032	3.5		20.6	7.36	659	" "

Total Volume Purged (gallon): 3.5 Time Finished Purging: 1032

Sampling Method/Equipment: *peristaltic pump*

Bailer Rope-New or Cleaned?: *new*
Sample Time: 1035
Sample ID: MW-12
Replicate ID (if appl.)

Laboratory: *Sparger Technology Inc.*

Comments:

PARAMETER	USEPA METHOD	CONTAINERS/VOLUME/ TYPE (Voa/Glass/Plastic)	PRES.

APPENDIX H

LABORATORY ANALYTICAL REPORTS

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Glenn Reiss
Ninyo & Moore
1956 Webster St., #400
Oakland, CA 94612

Client	Ninyo & Moore
Workorder	18627 Holland Oil
Received	10/03/08

The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

Sparger Technology, Inc. ID Suffix Keys - These descriptors will follow the Sparger Technology, Inc. ID numbers and help identify the specific sample and clarify the report.

- DUP - Matrix Duplicate
- MS - Matrix Spike
- MSD - Matrix Spike Duplicate
- LCS - Lab Control Sample
- LCSD - Lab Control Sample Duplicate
- RPD - Relative Percent Difference
- QC - Additional Quality Control
- DIL - Results from a diluted sample
- ND - None Detected
- RL - Reporting Limit

Note: In an effort to conserve paper, the results are printed on both sides of the paper.

Ray James
Laboratory Director

3738 Bradview Drive • Sacramento, California 95827 • (916) 369-7688 • FAX (916) 369-7689

Glenn Reiss
Ninyo & Moore
1956 Webster St., #400
Oakland, CA 94612

Workorder 18627

Enclosed are the results from samples received on October 03, 2008.

The requested analyses are listed below.

SAMPLE	SAMPLE DESCRIPTION	DATE COLLECTED	TEST METHOD
18627001	DB-1B, Water	10/01/08	8015B TPHd 8015B TPHgas 8260B
18627002	DB-2, Water	10/01/08	8015B TPHd 8015B TPHgas 8260B
18627003	DB-3, Water	10/01/08	8015B TPHd 8015B TPHgas 8260B
18627004	MW-9-2, Soil	10/01/08	8015B TPHd 8015B TPHgas 8260B
18627005	MW-9-5, Soil	10/01/08	8015B TPHd 8015B TPHgas 8260B
18627006	MW-9-10, Soil	10/01/08	8015B TPHd 8015B TPHgas 8260B
18627007	SB-9-2, Soil	10/02/08	8015B TPHd 8015B TPHgas 8260B
18627008	SB-9-5, Soil	10/02/08	8015B TPHd 8015B TPHgas 8260B
18627009	SB-9-10, Soil	10/02/08	8015B TPHd 8015B TPHgas 8260B
18627010	SB-10-2, Soil	10/02/08	8015B TPHd 8015B TPHgas 8260B

Workorder 18627.00

SAMPLE	SAMPLE DESCRIPTION	DATE COLLECTED	TEST METHOD
18627011	SB-10-5, Soil	10/02/08	8015B TPHd 8015B TPHgas 8260B
18627012	SB-10-10, Soil	10/02/08	8015B TPHd 8015B TPHgas 8260B
18627013	SB-11-3, Soil	10/02/08	8015B TPHd 8015B TPHgas 8260B
18627014	SB-11-8, Soil	10/02/08	8015B TPHd 8015B TPHgas 8260B
18627015	SB-11-11, Soil	10/02/08	8015B TPHd 8015B TPHgas 8260B
18627016	SB-12-2, Soil	10/02/08	8015B TPHd 8015B TPHgas 8260B
18627017	SB-12-5, Soil	10/02/08	8015B TPHd 8015B TPHgas 8260B
18627018	SB-12-10, Soil	10/02/08	8015B TPHd 8015B TPHgas 8260B

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Test Certificate of Analysis

Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/01/08
Laboratory ID	18627001	**Received**	10/03/08
Sample ID	DB-1B	**Reported**	10/22/08
Matrix	Water		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Chloromethane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Vinyl chloride	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Bromomethane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Chloroethane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Trichlorofluoromethane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Acrolein	10/06/08	10/06/08	ND	10	ug/L	1:1
1,1-Dichloroethene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Acetone	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Iodomethane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Carbon disulfide	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Dichloromethane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Acrylonitrile	10/06/08	10/06/08	ND	10	ug/L	1:1
trans-1,2-Dichloroethene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,1-Dichloroethane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Vinyl acetate	10/06/08	10/06/08	ND	5.0	ug/L	1:1
cis-1,2-Dichloroethene	**10/06/08**	**10/06/08**	**1.9**	**1.0**	**ug/L**	**1:1**
2-Butanone	10/06/08	10/06/08	ND	5.0	ug/L	1:1
Bromochloromethane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Chloroform	10/06/08	10/06/08	ND	1.0	ug/L	1:1
2,2-dichloropropane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,1,1-Trichloroethane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,1-dichloropropane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Carbon tetrachloride	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Benzene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,2-Dichloroethane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Dibromomethane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Bromodichloromethane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,2-Dichloropropane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Trichloroethene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
2-Chloroethylvinyl ether	10/06/08	10/06/08	ND	1.0	ug/L	1:1
cis-1,3-Dichloropropene	10/06/08	10/06/08	ND	1.0	ug/L	1:1

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/01/08
Laboratory ID	18627001	**Received**	10/03/08
Sample ID	DB-1B	**Reported**	10/22/08
Matrix	Water		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
4-Methyl-2-pentanone	10/06/08	10/06/08	ND	5.0	ug/L	1:1
trans-1,3-Dichloropropene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,1,2-Trichloroethane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Toluene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,2-Dibromoethane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,3-Dichloropropane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
2-Hexanone	10/06/08	10/06/08	ND	10	ug/L	1:1
Dibromochloromethane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Tetrachloroethene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,1,1,2-Tetrachloroethane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Chlorobenzene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Ethylbenzene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
m,p-Xylene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Bromoform	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Styrene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
o-Xylene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,1,2,2-Tetrachloroethane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,2,3-Trichloropropane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Isopropylbenzene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Bromobenzene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
n-Propylbenzene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
2-Chlorotoluene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
4-Chlorotoluene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,3,5-Trimethylbenzene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
tert-Butylbenzene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,2,4-Trimethylbenzene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
sec-Butylbenzene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,3-Dichlorobenzene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,4-Dichlorobenzene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
4-Isopropyltoluene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,2-Dichlorobenzene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
n-Butylbenzene	10/06/08	10/06/08	ND	1.0	ug/L	1:1

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/01/08
Laboratory ID	18627001	**Received**	10/03/08
Sample ID	DB-1B	**Reported**	10/22/08
Matrix	Water		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
1,2-Dibromo-3-chloropropane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,2,4-Trichlorobenzene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Naphthalene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Hexachlorobutadiene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,2,3-Trichlorobenzene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Methyl-tert-butyl-ether	10/06/08	10/06/08	ND	0.500	ug/L	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	45 ug/L	90 %	(65 - 135)
Toluene d8	47 ug/L	94 %	(65 - 127)
4-Bromofluorobenzene	43 ug/L	86 %	(65 - 133)

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/01/08
Laboratory ID	18627002	**Received**	10/03/08
Sample ID	DB-2	**Reported**	10/22/08
Matrix	Water		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Chloromethane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Vinyl chloride	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Bromomethane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Chloroethane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Trichlorofluoromethane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Acrolein	10/06/08	10/06/08	ND	10	ug/L	1:1
1,1-Dichloroethene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Acetone	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Iodomethane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Carbon disulfide	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Dichloromethane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Acrylonitrile	10/06/08	10/06/08	ND	10	ug/L	1:1
trans-1,2-Dichloroethene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,1-Dichloroethane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Vinyl acetate	10/06/08	10/06/08	ND	5.0	ug/L	1:1
cis-1,2-Dichloroethene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
2-Butanone	10/06/08	10/06/08	ND	5.0	ug/L	1:1
Bromochloromethane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Chloroform	10/06/08	10/06/08	ND	1.0	ug/L	1:1
2,2-dichloropropane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,1,1-Trichloroethane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,1-dichloropropane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Carbon tetrachloride	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Benzene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,2-Dichloroethane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Dibromomethane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Bromodichloromethane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,2-Dichloropropane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Trichloroethene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
2-Chloroethylvinyl ether	10/06/08	10/06/08	ND	1.0	ug/L	1:1
cis-1,3-Dichloropropene	10/06/08	10/06/08	ND	1.0	ug/L	1:1

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/01/08
Laboratory ID	18627002	**Received**	10/03/08
Sample ID	DB-2	**Reported**	10/22/08
Matrix	Water		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
4-Methyl-2-pentanone	10/06/08	10/06/08	ND	5.0	ug/L	1:1
trans-1,3-Dichloropropene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,1,2-Trichloroethane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Toluene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,2-Dibromoethane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,3-Dichloropropane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
2-Hexanone	10/06/08	10/06/08	ND	10	ug/L	1:1
Dibromochloromethane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Tetrachloroethene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,1,1,2-Tetrachloroethane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Chlorobenzene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Ethylbenzene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
m,p-Xylene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Bromoform	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Styrene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
o-Xylene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,1,2,2-Tetrachloroethane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,2,3-Trichloropropane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Isopropylbenzene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Bromobenzene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
n-Propylbenzene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
2-Chlorotoluene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
4-Chlorotoluene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,3,5-Trimethylbenzene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
tert-Butylbenzene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,2,4-Trimethylbenzene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
sec-Butylbenzene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,3-Dichlorobenzene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,4-Dichlorobenzene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
4-Isopropyltoluene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,2-Dichlorobenzene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
n-Butylbenzene	10/06/08	10/06/08	ND	1.0	ug/L	1:1

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/01/08
Laboratory ID	18627002	**Received**	10/03/08
Sample ID	DB-2	**Reported**	10/22/08
Matrix	Water		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
1,2-Dibromo-3-chloropropane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,2,4-Trichlorobenzene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Naphthalene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Hexachlorobutadiene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,2,3-Trichlorobenzene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Methyl-tert-butyl-ether	10/06/08	10/06/08	ND	0.500	ug/L	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	48 ug/L	96 %	(65 - 135)
Toluene d8	50 ug/L	100 %	(65 - 127)
4-Bromofluorobenzene	50 ug/L	100 %	(65 - 133)

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/01/08
Laboratory ID	18627003	**Received**	10/03/08
Sample ID	DB-3	**Reported**	10/22/08
Matrix	Water		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Chloromethane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Vinyl chloride	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Bromomethane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Chloroethane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Trichlorofluoromethane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Acrolein	10/06/08	10/06/08	ND	10	ug/L	1:1
1,1-Dichloroethene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Acetone	**10/06/08**	**10/06/08**	**6.0**	**1.0**	**ug/L**	**1:1**
Iodomethane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Carbon disulfide	**10/06/08**	**10/06/08**	**1.1**	**1.0**	**ug/L**	**1:1**
Dichloromethane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Acrylonitrile	10/06/08	10/06/08	ND	10	ug/L	1:1
trans-1,2-Dichloroethene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,1-Dichloroethane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Vinyl acetate	10/06/08	10/06/08	ND	5.0	ug/L	1:1
cis-1,2-Dichloroethene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
2-Butanone	10/06/08	10/06/08	ND	5.0	ug/L	1:1
Bromochloromethane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Chloroform	10/06/08	10/06/08	ND	1.0	ug/L	1:1
2,2-dichloropropane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,1,1-Trichloroethane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,1-dichloropropane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Carbon tetrachloride	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Benzene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,2-Dichloroethane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Dibromomethane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Bromodichloromethane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,2-Dichloropropane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Trichloroethene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
2-Chloroethylvinyl ether	10/06/08	10/06/08	ND	1.0	ug/L	1:1
cis-1,3-Dichloropropene	10/06/08	10/06/08	ND	1.0	ug/L	1:1

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/01/08
Laboratory ID	18627003	**Received**	10/03/08
Sample ID	DB-3	**Reported**	10/22/08
Matrix	Water		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
4-Methyl-2-pentanone	10/06/08	10/06/08	ND	5.0	ug/L	1:1
trans-1,3-Dichloropropene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,1,2-Trichloroethane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Toluene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,2-Dibromoethane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,3-Dichloropropane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
2-Hexanone	10/06/08	10/06/08	ND	10	ug/L	1:1
Dibromochloromethane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Tetrachloroethene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,1,1,2-Tetrachloroethane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Chlorobenzene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Ethylbenzene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
m,p-Xylene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Bromoform	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Styrene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
o-Xylene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,1,2,2-Tetrachloroethane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,2,3-Trichloropropane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Isopropylbenzene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Bromobenzene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
n-Propylbenzene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
2-Chlorotoluene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
4-Chlorotoluene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,3,5-Trimethylbenzene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
tert-Butylbenzene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,2,4-Trimethylbenzene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
sec-Butylbenzene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,3-Dichlorobenzene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,4-Dichlorobenzene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
4-Isopropyltoluene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,2-Dichlorobenzene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
n-Butylbenzene	10/06/08	10/06/08	ND	1.0	ug/L	1:1

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/01/08
Laboratory ID	18627003	**Received**	10/03/08
Sample ID	DB-3	**Reported**	10/22/08
Matrix	Water		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
1,2-Dibromo-3-chloropropane	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,2,4-Trichlorobenzene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Naphthalene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Hexachlorobutadiene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,2,3-Trichlorobenzene	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Methyl-tert-butyl-ether	10/06/08	10/06/08	ND	0.500	ug/L	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	44 ug/L	88 %	(65 - 135)
Toluene d8	48 ug/L	96 %	(65 - 127)
4-Bromofluorobenzene	46 ug/L	92 %	(65 - 133)

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Test Certificate of Analysis

Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/01/08
Laboratory ID	18627004	**Received**	10/03/08
Sample ID	MW-9-2	**Reported**	10/22/08
Matrix	Soil		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Chloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Vinyl chloride	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromomethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Chloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Trichlorofluoromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Acrolein	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1-Dichloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Acetone	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Iodomethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Carbon disulfide	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Dichloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Acrylonitrile	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
trans-1,2-Dichloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1-Dichloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Vinyl acetate	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
cis-1,2-Dichloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2-Butanone	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromochloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Chloroform	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2,2-dichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1,1-Trichloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1-dichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Carbon tetrachloride	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Benzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2-Dichloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Dibromomethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromodichloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2-Dichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Trichloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2-Chloroethylvinyl ether	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
cis-1,3-Dichloropropene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/01/08
Laboratory ID	18627004	**Received**	10/03/08
Sample ID	MW-9-2	**Reported**	10/22/08
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
4-Methyl-2-pentanone	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
trans-1,3-Dichloropropene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1,2-Trichloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Toluene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2-Dibromoethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,3-Dichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2-Hexanone	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Dibromochloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Tetrachloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1,1,2-Tetrachloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Chlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Ethylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
m,p-Xylene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromoform	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Styrene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
o-Xylene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1,2,2-Tetrachloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2,3-Trichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Isopropylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
n-Propylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2-Chlorotoluene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
4-Chlorotoluene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,3,5-Trimethylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
tert-Butylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2,4-Trimethylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
sec-Butylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,3-Dichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,4-Dichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
4-Isopropyltoluene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2-Dichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
n-Butylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/01/08
Laboratory ID	18627004	**Received**	10/03/08
Sample ID	MW-9-2	**Reported**	10/22/08
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
1,2-Dibromo-3-chloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2,4-Trichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Naphthalene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Hexachlorobutadiene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2,3-Trichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Methyl-tert-butyl-ether	10/06/08	10/06/08	ND	0.500	ug/kg	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	56 ug/kg	112 %	(70 - 135)
Toluene d8	54 ug/kg	108 %	(70 - 135)
4-Bromofluorobenzene	48 ug/kg	96 %	(70 - 135)

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/01/08
Laboratory ID	18627005	**Received**	10/03/08
Sample ID	MW-9-5	**Reported**	10/22/08
Matrix	Soil		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Chloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Vinyl chloride	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromomethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Chloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Trichlorofluoromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Acrolein	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1-Dichloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Acetone	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Iodomethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Carbon disulfide	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Dichloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Acrylonitrile	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
trans-1,2-Dichloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1-Dichloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Vinyl acetate	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
cis-1,2-Dichloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2-Butanone	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromochloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Chloroform	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2,2-dichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1,1-Trichloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1-dichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Carbon tetrachloride	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Benzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2-Dichloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Dibromomethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromodichloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2-Dichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Trichloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2-Chloroethylvinyl ether	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
cis-1,3-Dichloropropene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/01/08
Laboratory ID	18627005	**Received**	10/03/08
Sample ID	MW-9-5	**Reported**	10/22/08
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
4-Methyl-2-pentanone	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
trans-1,3-Dichloropropene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1,2-Trichloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Toluene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2-Dibromoethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,3-Dichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2-Hexanone	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Dibromochloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Tetrachloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1,1,2-Tetrachloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Chlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Ethylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
m,p-Xylene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromoform	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Styrene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
o-Xylene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1,2,2-Tetrachloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2,3-Trichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Isopropylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
n-Propylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2-Chlorotoluene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
4-Chlorotoluene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,3,5-Trimethylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
tert-Butylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2,4-Trimethylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
sec-Butylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,3-Dichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,4-Dichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
4-Isopropyltoluene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2-Dichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
n-Butylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/01/08
Laboratory ID	18627005	**Received**	10/03/08
Sample ID	MW-9-5	**Reported**	10/22/08
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
1,2-Dibromo-3-chloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2,4-Trichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Naphthalene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Hexachlorobutadiene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2,3-Trichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Methyl-tert-butyl-ether	10/06/08	10/06/08	ND	0.500	ug/kg	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	53 ug/kg	106 %	(70 - 135)
Toluene d8	49 ug/kg	98 %	(70 - 135)
4-Bromofluorobenzene	50 ug/kg	100 %	(70 - 135)

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/01/08
Laboratory ID	18627006	**Received**	10/03/08
Sample ID	MW-9-10	**Reported**	10/22/08
Matrix	Soil		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Chloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Vinyl chloride	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromomethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Chloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Trichlorofluoromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Acrolein	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1-Dichloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Acetone	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Iodomethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Carbon disulfide	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Dichloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Acrylonitrile	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
trans-1,2-Dichloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1-Dichloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Vinyl acetate	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
cis-1,2-Dichloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2-Butanone	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromochloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Chloroform	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2,2-dichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1,1-Trichloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1-dichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Carbon tetrachloride	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Benzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2-Dichloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Dibromomethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromodichloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2-Dichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Trichloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2-Chloroethylvinyl ether	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
cis-1,3-Dichloropropene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/01/08
Laboratory ID	18627006	**Received**	10/03/08
Sample ID	MW-9-10	**Reported**	10/22/08
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
4-Methyl-2-pentanone	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
trans-1,3-Dichloropropene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1,2-Trichloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Toluene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2-Dibromoethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,3-Dichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2-Hexanone	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Dibromochloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Tetrachloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1,1,2-Tetrachloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Chlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Ethylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
m,p-Xylene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromoform	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Styrene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
o-Xylene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1,2,2-Tetrachloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2,3-Trichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Isopropylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
n-Propylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2-Chlorotoluene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
4-Chlorotoluene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,3,5-Trimethylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
tert-Butylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2,4-Trimethylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
sec-Butylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,3-Dichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,4-Dichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
4-Isopropyltoluene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2-Dichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
n-Butylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/01/08
Laboratory ID	18627006	**Received**	10/03/08
Sample ID	MW-9-10	**Reported**	10/22/08
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
1,2-Dibromo-3-chloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2,4-Trichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Naphthalene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Hexachlorobutadiene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2,3-Trichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Methyl-tert-butyl-ether	10/06/08	10/06/08	ND	0.500	ug/kg	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	51 ug/kg	102 %	(70 - 135)
Toluene d8	50 ug/kg	100 %	(70 - 135)
4-Bromofluorobenzene	44 ug/kg	88 %	(70 - 135)

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/02/08
Laboratory ID	18627007	**Received**	10/03/08
Sample ID	SB-9-2	**Reported**	10/22/08
Matrix	Soil		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Chloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Vinyl chloride	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromomethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Chloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Trichlorofluoromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Acrolein	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1-Dichloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Acetone	**10/06/08**	**10/06/08**	**340**	**2.0**	**ug/kg**	**1:1**
Iodomethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Carbon disulfide	**10/06/08**	**10/06/08**	**4.5**	**2.0**	**ug/kg**	**1:1**
Dichloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Acrylonitrile	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
trans-1,2-Dichloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1-Dichloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Vinyl acetate	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
cis-1,2-Dichloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2-Butanone	**10/06/08**	**10/06/08**	**70**	**2.0**	**ug/kg**	**1:1**
Bromochloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Chloroform	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2,2-dichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1,1-Trichloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1-dichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Carbon tetrachloride	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Benzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2-Dichloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Dibromomethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromodichloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2-Dichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Trichloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2-Chloroethylvinyl ether	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
cis-1,3-Dichloropropene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/02/08
Laboratory ID	18627007	**Received**	10/03/08
Sample ID	SB-9-2	**Reported**	10/22/08
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
4-Methyl-2-pentanone	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
trans-1,3-Dichloropropene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1,2-Trichloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Toluene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2-Dibromoethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,3-Dichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2-Hexanone	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Dibromochloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Tetrachloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1,1,2-Tetrachloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Chlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Ethylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
m,p-Xylene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromoform	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Styrene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
o-Xylene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1,2,2-Tetrachloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2,3-Trichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Isopropylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
n-Propylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2-Chlorotoluene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
4-Chlorotoluene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,3,5-Trimethylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
tert-Butylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2,4-Trimethylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
sec-Butylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,3-Dichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,4-Dichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
4-Isopropyltoluene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2-Dichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
n-Butylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/02/08
Laboratory ID	18627007	**Received**	10/03/08
Sample ID	SB-9-2	**Reported**	10/22/08
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
1,2-Dibromo-3-chloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2,4-Trichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Naphthalene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Hexachlorobutadiene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2,3-Trichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Methyl-tert-butyl-ether	10/06/08	10/06/08	ND	0.500	ug/kg	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	49 ug/kg	98 %	(70 - 135)
Toluene d8	41 ug/kg	82 %	(70 - 135)
4-Bromofluorobenzene	25 ug/kg	50 %	(70 - 135)

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/02/08
Laboratory ID	18627008	**Received**	10/03/08
Sample ID	SB-9-5	**Reported**	10/22/08
Matrix	Soil		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Chloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Vinyl chloride	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromomethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Chloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Trichlorofluoromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Acrolein	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1-Dichloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Acetone	**10/06/08**	**10/06/08**	**50**	**2.0**	**ug/kg**	**1:1**
Iodomethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Carbon disulfide	**10/06/08**	**10/06/08**	**2.9**	**2.0**	**ug/kg**	**1:1**
Dichloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Acrylonitrile	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
trans-1,2-Dichloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1-Dichloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Vinyl acetate	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
cis-1,2-Dichloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2-Butanone	**10/06/08**	**10/06/08**	**7.1**	**2.0**	**ug/kg**	**1:1**
Bromochloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Chloroform	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2,2-dichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1,1-Trichloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1-dichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Carbon tetrachloride	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Benzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2-Dichloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Dibromomethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromodichloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2-Dichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Trichloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2-Chloroethylvinyl ether	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
cis-1,3-Dichloropropene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/02/08
Laboratory ID	18627008	**Received**	10/03/08
Sample ID	SB-9-5	**Reported**	10/22/08
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
4-Methyl-2-pentanone	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
trans-1,3-Dichloropropene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1,2-Trichloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Toluene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2-Dibromoethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,3-Dichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2-Hexanone	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Dibromochloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Tetrachloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1,1,2-Tetrachloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Chlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Ethylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
m,p-Xylene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromoform	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Styrene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
o-Xylene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1,2,2-Tetrachloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2,3-Trichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Isopropylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
n-Propylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2-Chlorotoluene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
4-Chlorotoluene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,3,5-Trimethylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
tert-Butylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2,4-Trimethylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
sec-Butylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,3-Dichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,4-Dichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
4-Isopropyltoluene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2-Dichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
n-Butylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1

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Test Certificate of Analysis

Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/02/08
Laboratory ID	18627008	**Received**	10/03/08
Sample ID	SB-9-5	**Reported**	10/22/08
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
1,2-Dibromo-3-chloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2,4-Trichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Naphthalene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Hexachlorobutadiene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2,3-Trichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Methyl-tert-butyl-ether	10/06/08	10/06/08	ND	0.500	ug/kg	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	48 ug/kg	96 %	(70 - 135)
Toluene d8	47 ug/kg	94 %	(70 - 135)
4-Bromofluorobenzene	46 ug/kg	92 %	(70 - 135)

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/02/08
Laboratory ID	18627009	**Received**	10/03/08
Sample ID	SB-9-10	**Reported**	10/22/08
Matrix	Soil		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Chloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Vinyl chloride	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromomethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Chloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Trichlorofluoromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Acrolein	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1-Dichloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Acetone	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Iodomethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Carbon disulfide	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Dichloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Acrylonitrile	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
trans-1,2-Dichloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1-Dichloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Vinyl acetate	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
cis-1,2-Dichloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2-Butanone	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromochloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Chloroform	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2,2-dichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1,1-Trichloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1-dichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Carbon tetrachloride	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Benzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2-Dichloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Dibromomethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromodichloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2-Dichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Trichloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2-Chloroethylvinyl ether	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
cis-1,3-Dichloropropene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/02/08
Laboratory ID	18627009	**Received**	10/03/08
Sample ID	SB-9-10	**Reported**	10/22/08
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
4-Methyl-2-pentanone	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
trans-1,3-Dichloropropene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1,2-Trichloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Toluene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2-Dibromoethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,3-Dichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2-Hexanone	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Dibromochloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Tetrachloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1,1,2-Tetrachloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Chlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Ethylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
m,p-Xylene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromoform	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Styrene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
o-Xylene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1,2,2-Tetrachloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2,3-Trichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Isopropylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
n-Propylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2-Chlorotoluene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
4-Chlorotoluene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,3,5-Trimethylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
tert-Butylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2,4-Trimethylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
sec-Butylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,3-Dichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,4-Dichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
4-Isopropyltoluene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2-Dichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
n-Butylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/02/08
Laboratory ID	18627009	**Received**	10/03/08
Sample ID	SB-9-10	**Reported**	10/22/08
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
1,2-Dibromo-3-chloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2,4-Trichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Naphthalene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Hexachlorobutadiene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2,3-Trichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Methyl-tert-butyl-ether	10/06/08	10/06/08	ND	0.500	ug/kg	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	48 ug/kg	96 %	(70 - 135)
Toluene d8	48 ug/kg	96 %	(70 - 135)
4-Bromofluorobenzene	45 ug/kg	90 %	(70 - 135)

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/02/08
Laboratory ID	18627010	**Received**	10/03/08
Sample ID	SB-10-2	**Reported**	10/22/08
Matrix	Soil		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Chloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Vinyl chloride	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromomethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Chloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Trichlorofluoromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Acrolein	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1-Dichloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Acetone	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Iodomethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Carbon disulfide	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Dichloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Acrylonitrile	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
trans-1,2-Dichloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1-Dichloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Vinyl acetate	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
cis-1,2-Dichloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2-Butanone	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromochloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Chloroform	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2,2-dichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1,1-Trichloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1-dichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Carbon tetrachloride	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Benzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2-Dichloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Dibromomethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromodichloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2-Dichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Trichloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2-Chloroethylvinyl ether	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
cis-1,3-Dichloropropene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/02/08
Laboratory ID	18627010	**Received**	10/03/08
Sample ID	SB-10-2	**Reported**	10/22/08
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
4-Methyl-2-pentanone	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
trans-1,3-Dichloropropene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1,2-Trichloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Toluene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2-Dibromoethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,3-Dichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2-Hexanone	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Dibromochloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Tetrachloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1,1,2-Tetrachloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Chlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Ethylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
m,p-Xylene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromoform	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Styrene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
o-Xylene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1,2,2-Tetrachloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2,3-Trichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Isopropylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
n-Propylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2-Chlorotoluene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
4-Chlorotoluene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,3,5-Trimethylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
tert-Butylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2,4-Trimethylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
sec-Butylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,3-Dichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,4-Dichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
4-Isopropyltoluene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2-Dichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
n-Butylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/02/08
Laboratory ID	18627010	**Received**	10/03/08
Sample ID	SB-10-2	**Reported**	10/22/08
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
1,2-Dibromo-3-chloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2,4-Trichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Naphthalene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Hexachlorobutadiene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2,3-Trichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Methyl-tert-butyl-ether	10/06/08	10/06/08	ND	0.500	ug/kg	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	49 ug/kg	98 %	(70 - 135)
Toluene d8	45 ug/kg	90 %	(70 - 135)
4-Bromofluorobenzene	31 ug/kg	62 %	(70 - 135)

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/02/08
Laboratory ID	18627011	**Received**	10/03/08
Sample ID	SB-10-5	**Reported**	10/22/08
Matrix	Soil		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Chloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Vinyl chloride	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromomethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Chloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Trichlorofluoromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Acrolein	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1-Dichloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Acetone	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Iodomethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Carbon disulfide	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Dichloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Acrylonitrile	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
trans-1,2-Dichloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1-Dichloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Vinyl acetate	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
cis-1,2-Dichloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2-Butanone	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromochloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Chloroform	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2,2-dichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1,1-Trichloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1-dichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Carbon tetrachloride	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Benzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2-Dichloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Dibromomethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromodichloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2-Dichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Trichloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2-Chloroethylvinyl ether	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
cis-1,3-Dichloropropene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/02/08
Laboratory ID	18627011	**Received**	10/03/08
Sample ID	SB-10-5	**Reported**	10/22/08
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
4-Methyl-2-pentanone	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
trans-1,3-Dichloropropene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1,2-Trichloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Toluene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2-Dibromoethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,3-Dichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2-Hexanone	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Dibromochloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Tetrachloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1,1,2-Tetrachloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Chlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Ethylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
m,p-Xylene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromoform	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Styrene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
o-Xylene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1,2,2-Tetrachloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2,3-Trichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Isopropylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
n-Propylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2-Chlorotoluene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
4-Chlorotoluene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,3,5-Trimethylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
tert-Butylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2,4-Trimethylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
sec-Butylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,3-Dichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,4-Dichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
4-Isopropyltoluene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2-Dichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
n-Butylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/02/08
Laboratory ID	18627011	**Received**	10/03/08
Sample ID	SB-10-5	**Reported**	10/22/08
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
1,2-Dibromo-3-chloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2,4-Trichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Naphthalene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Hexachlorobutadiene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2,3-Trichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Methyl-tert-butyl-ether	10/06/08	10/06/08	ND	0.500	ug/kg	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	50 ug/kg	100 %	(70 - 135)
Toluene d8	44 ug/kg	88 %	(70 - 135)
4-Bromofluorobenzene	45 ug/kg	90 %	(70 - 135)

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/02/08
Laboratory ID	18627012	**Received**	10/03/08
Sample ID	SB-10-10	**Reported**	10/22/08
Matrix	Soil		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Chloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Vinyl chloride	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromomethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Chloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Trichlorofluoromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Acrolein	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1-Dichloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Acetone	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Iodomethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Carbon disulfide	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Dichloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Acrylonitrile	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
trans-1,2-Dichloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1-Dichloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Vinyl acetate	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
cis-1,2-Dichloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2-Butanone	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromochloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Chloroform	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2,2-dichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1,1-Trichloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1-dichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Carbon tetrachloride	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Benzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2-Dichloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Dibromomethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromodichloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2-Dichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Trichloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2-Chloroethylvinyl ether	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
cis-1,3-Dichloropropene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/02/08
Laboratory ID	18627012	**Received**	10/03/08
Sample ID	SB-10-10	**Reported**	10/22/08
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
4-Methyl-2-pentanone	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
trans-1,3-Dichloropropene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1,2-Trichloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Toluene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2-Dibromoethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,3-Dichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2-Hexanone	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Dibromochloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Tetrachloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1,1,2-Tetrachloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Chlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Ethylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
m,p-Xylene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromoform	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Styrene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
o-Xylene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1,2,2-Tetrachloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2,3-Trichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Isopropylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
n-Propylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2-Chlorotoluene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
4-Chlorotoluene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,3,5-Trimethylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
tert-Butylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2,4-Trimethylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
sec-Butylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,3-Dichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,4-Dichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
4-Isopropyltoluene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2-Dichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
n-Butylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/02/08
Laboratory ID	18627012	**Received**	10/03/08
Sample ID	SB-10-10	**Reported**	10/22/08
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
1,2-Dibromo-3-chloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2,4-Trichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Naphthalene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Hexachlorobutadiene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2,3-Trichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Methyl-tert-butyl-ether	10/06/08	10/06/08	ND	0.500	ug/kg	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	48 ug/kg	96 %	(70 - 135)
Toluene d8	46 ug/kg	92 %	(70 - 135)
4-Bromofluorobenzene	47 ug/kg	94 %	(70 - 135)

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/02/08
Laboratory ID	18627013	**Received**	10/03/08
Sample ID	SB-11-3	**Reported**	10/22/08
Matrix	Soil		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	10/06/08	10/06/08	ND	200	ug/kg	1:100
Chloromethane	10/06/08	10/06/08	ND	200	ug/kg	1:100
Vinyl chloride	10/06/08	10/06/08	ND	200	ug/kg	1:100
Bromomethane	10/06/08	10/06/08	ND	200	ug/kg	1:100
Chloroethane	10/06/08	10/06/08	ND	200	ug/kg	1:100
Trichlorofluoromethane	10/06/08	10/06/08	ND	200	ug/kg	1:100
Acrolein	10/06/08	10/06/08	ND	200	ug/kg	1:100
1,1-Dichloroethene	10/06/08	10/06/08	ND	200	ug/kg	1:100
Acetone	**10/06/08**	**10/06/08**	**1200**	**200**	**ug/kg**	**1:100**
Iodomethane	10/06/08	10/06/08	ND	200	ug/kg	1:100
Carbon disulfide	10/06/08	10/06/08	ND	200	ug/kg	1:100
Dichloromethane	10/06/08	10/06/08	ND	200	ug/kg	1:100
Acrylonitrile	10/06/08	10/06/08	ND	200	ug/kg	1:100
trans-1,2-Dichloroethene	10/06/08	10/06/08	ND	200	ug/kg	1:100
1,1-Dichloroethane	10/06/08	10/06/08	ND	200	ug/kg	1:100
Vinyl acetate	10/06/08	10/06/08	ND	200	ug/kg	1:100
cis-1,2-Dichloroethene	10/06/08	10/06/08	ND	200	ug/kg	1:100
2-Butanone	**10/06/08**	**10/06/08**	**2600**	**200**	**ug/kg**	**1:100**
Bromochloromethane	10/06/08	10/06/08	ND	200	ug/kg	1:100
Chloroform	10/06/08	10/06/08	ND	200	ug/kg	1:100
2,2-dichloropropane	10/06/08	10/06/08	ND	200	ug/kg	1:100
1,1,1-Trichloroethane	10/06/08	10/06/08	ND	200	ug/kg	1:100
1,1-dichloropropane	10/06/08	10/06/08	ND	200	ug/kg	1:100
Carbon tetrachloride	10/06/08	10/06/08	ND	200	ug/kg	1:100
Benzene	10/06/08	10/06/08	ND	200	ug/kg	1:100
1,2-Dichloroethane	10/06/08	10/06/08	ND	200	ug/kg	1:100
Dibromomethane	10/06/08	10/06/08	ND	200	ug/kg	1:100
Bromodichloromethane	10/06/08	10/06/08	ND	200	ug/kg	1:100
1,2-Dichloropropane	10/06/08	10/06/08	ND	200	ug/kg	1:100
Trichloroethene	10/06/08	10/06/08	ND	200	ug/kg	1:100
2-Chloroethylvinyl ether	10/06/08	10/06/08	ND	200	ug/kg	1:100
cis-1,3-Dichloropropene	10/06/08	10/06/08	ND	200	ug/kg	1:100

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/02/08
Laboratory ID	18627013	**Received**	10/03/08
Sample ID	SB-11-3	**Reported**	10/22/08
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
4-Methyl-2-pentanone	10/06/08	10/06/08	ND	200	ug/kg	1:100
trans-1,3-Dichloropropene	10/06/08	10/06/08	ND	200	ug/kg	1:100
1,1,2-Trichloroethane	10/06/08	10/06/08	ND	200	ug/kg	1:100
Toluene	10/06/08	10/06/08	ND	200	ug/kg	1:100
1,2-Dibromoethane	10/06/08	10/06/08	ND	200	ug/kg	1:100
1,3-Dichloropropane	10/06/08	10/06/08	ND	200	ug/kg	1:100
2-Hexanone	10/06/08	10/06/08	ND	200	ug/kg	1:100
Dibromochloromethane	10/06/08	10/06/08	ND	200	ug/kg	1:100
Tetrachloroethene	10/06/08	10/06/08	ND	200	ug/kg	1:100
1,1,1,2-Tetrachloroethane	10/06/08	10/06/08	ND	200	ug/kg	1:100
Chlorobenzene	10/06/08	10/06/08	ND	200	ug/kg	1:100
Ethylbenzene	10/06/08	10/06/08	ND	200	ug/kg	1:100
m,p-Xylene	10/06/08	10/06/08	ND	200	ug/kg	1:100
Bromoform	10/06/08	10/06/08	ND	200	ug/kg	1:100
Styrene	10/06/08	10/06/08	ND	200	ug/kg	1:100
o-Xylene	10/06/08	10/06/08	ND	200	ug/kg	1:100
1,1,2,2-Tetrachloroethane	10/06/08	10/06/08	ND	200	ug/kg	1:100
1,2,3-Trichloropropane	10/06/08	10/06/08	ND	200	ug/kg	1:100
Isopropylbenzene	**10/06/08**	**10/06/08**	**400**	**200**	**ug/kg**	**1:100**
Bromobenzene	10/06/08	10/06/08	ND	200	ug/kg	1:100
n-Propylbenzene	**10/06/08**	**10/06/08**	**1100**	**200**	**ug/kg**	**1:100**
2-Chlorotoluene	10/06/08	10/06/08	ND	200	ug/kg	1:100
4-Chlorotoluene	10/06/08	10/06/08	ND	200	ug/kg	1:100
1,3,5-Trimethylbenzene	10/06/08	10/06/08	ND	200	ug/kg	1:100
tert-Butylbenzene	**10/06/08**	**10/06/08**	**200**	**200**	**ug/kg**	**1:100**
1,2,4-Trimethylbenzene	10/06/08	10/06/08	ND	200	ug/kg	1:100
sec-Butylbenzene	**10/06/08**	**10/06/08**	**1700**	**200**	**ug/kg**	**1:100**
1,3-Dichlorobenzene	10/06/08	10/06/08	ND	200	ug/kg	1:100
1,4-Dichlorobenzene	10/06/08	10/06/08	ND	200	ug/kg	1:100
4-Isopropyltoluene	10/06/08	10/06/08	ND	200	ug/kg	1:100
1,2-Dichlorobenzene	10/06/08	10/06/08	ND	200	ug/kg	1:100
n-Butylbenzene	**10/06/08**	**10/06/08**	**2100**	**200**	**ug/kg**	**1:100**

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/02/08
Laboratory ID	18627013	**Received**	10/03/08
Sample ID	SB-11-3	**Reported**	10/22/08
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
1,2-Dibromo-3-chloropropane	10/06/08	10/06/08	ND	200	ug/kg	1:100
1,2,4-Trichlorobenzene	10/06/08	10/06/08	ND	200	ug/kg	1:100
Naphthalene	**10/06/08**	**10/06/08**	**2700**	**200**	**ug/kg**	**1:100**
Hexachlorobutadiene	10/06/08	10/06/08	ND	200	ug/kg	1:100
1,2,3-Trichlorobenzene	10/06/08	10/06/08	ND	200	ug/kg	1:100
Methyl-tert-butyl-ether	**10/06/08**	**10/06/08**	**320**	**50.0**	**ug/kg**	**1:100**

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	56 ug/kg	112 %	(70 - 135)
Toluene d8	62 ug/kg	124 %	(70 - 135)
4-Bromofluorobenzene	65 ug/kg	130 %	(70 - 135)

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/02/08
Laboratory ID	18627014	**Received**	10/03/08
Sample ID	SB-11-8	**Reported**	10/22/08
Matrix	Soil		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	10/06/08	10/06/08	ND	200	ug/kg	1:100
Chloromethane	10/06/08	10/06/08	ND	200	ug/kg	1:100
Vinyl chloride	10/06/08	10/06/08	ND	200	ug/kg	1:100
Bromomethane	10/06/08	10/06/08	ND	200	ug/kg	1:100
Chloroethane	10/06/08	10/06/08	ND	200	ug/kg	1:100
Trichlorofluoromethane	10/06/08	10/06/08	ND	200	ug/kg	1:100
Acrolein	10/06/08	10/06/08	ND	200	ug/kg	1:100
1,1-Dichloroethene	10/06/08	10/06/08	ND	200	ug/kg	1:100
Acetone	**10/06/08**	**10/06/08**	**460**	**200**	**ug/kg**	**1:100**
Iodomethane	10/06/08	10/06/08	ND	200	ug/kg	1:100
Carbon disulfide	10/06/08	10/06/08	ND	200	ug/kg	1:100
Dichloromethane	10/06/08	10/06/08	ND	200	ug/kg	1:100
Acrylonitrile	10/06/08	10/06/08	ND	200	ug/kg	1:100
trans-1,2-Dichloroethene	10/06/08	10/06/08	ND	200	ug/kg	1:100
1,1-Dichloroethane	10/06/08	10/06/08	ND	200	ug/kg	1:100
Vinyl acetate	10/06/08	10/06/08	ND	200	ug/kg	1:100
cis-1,2-Dichloroethene	10/06/08	10/06/08	ND	200	ug/kg	1:100
2-Butanone	**10/06/08**	**10/06/08**	**2100**	**200**	**ug/kg**	**1:100**
Bromochloromethane	10/06/08	10/06/08	ND	200	ug/kg	1:100
Chloroform	10/06/08	10/06/08	ND	200	ug/kg	1:100
2,2-dichloropropane	10/06/08	10/06/08	ND	200	ug/kg	1:100
1,1,1-Trichloroethane	10/06/08	10/06/08	ND	200	ug/kg	1:100
1,1-dichloropropane	10/06/08	10/06/08	ND	200	ug/kg	1:100
Carbon tetrachloride	10/06/08	10/06/08	ND	200	ug/kg	1:100
Benzene	10/06/08	10/06/08	ND	200	ug/kg	1:100
1,2-Dichloroethane	10/06/08	10/06/08	ND	200	ug/kg	1:100
Dibromomethane	10/06/08	10/06/08	ND	200	ug/kg	1:100
Bromodichloromethane	10/06/08	10/06/08	ND	200	ug/kg	1:100
1,2-Dichloropropane	10/06/08	10/06/08	ND	200	ug/kg	1:100
Trichloroethene	10/06/08	10/06/08	ND	200	ug/kg	1:100
2-Chloroethylvinyl ether	10/06/08	10/06/08	ND	200	ug/kg	1:100
cis-1,3-Dichloropropene	10/06/08	10/06/08	ND	200	ug/kg	1:100

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Test Certificate of Analysis

Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/02/08
Laboratory ID	18627014	**Received**	10/03/08
Sample ID	SB-11-8	**Reported**	10/22/08
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
4-Methyl-2-pentanone	10/06/08	10/06/08	ND	200	ug/kg	1:100
trans-1,3-Dichloropropene	10/06/08	10/06/08	ND	200	ug/kg	1:100
1,1,2-Trichloroethane	10/06/08	10/06/08	ND	200	ug/kg	1:100
Toluene	10/06/08	10/06/08	ND	200	ug/kg	1:100
1,2-Dibromoethane	10/06/08	10/06/08	ND	200	ug/kg	1:100
1,3-Dichloropropane	10/06/08	10/06/08	ND	200	ug/kg	1:100
2-Hexanone	10/06/08	10/06/08	ND	200	ug/kg	1:100
Dibromochloromethane	10/06/08	10/06/08	ND	200	ug/kg	1:100
Tetrachloroethene	10/06/08	10/06/08	ND	200	ug/kg	1:100
1,1,1,2-Tetrachloroethane	10/06/08	10/06/08	ND	200	ug/kg	1:100
Chlorobenzene	10/06/08	10/06/08	ND	200	ug/kg	1:100
Ethylbenzene	10/06/08	10/06/08	ND	200	ug/kg	1:100
m,p-Xylene	10/06/08	10/06/08	ND	200	ug/kg	1:100
Bromoform	10/06/08	10/06/08	ND	200	ug/kg	1:100
Styrene	10/06/08	10/06/08	ND	200	ug/kg	1:100
o-Xylene	10/06/08	10/06/08	ND	200	ug/kg	1:100
1,1,2,2-Tetrachloroethane	10/06/08	10/06/08	ND	200	ug/kg	1:100
1,2,3-Trichloropropane	10/06/08	10/06/08	ND	200	ug/kg	1:100
Isopropylbenzene	**10/06/08**	**10/06/08**	**1100**	**200**	**ug/kg**	**1:100**
Bromobenzene	10/06/08	10/06/08	ND	200	ug/kg	1:100
n-Propylbenzene	**10/06/08**	**10/06/08**	**4400**	**200**	**ug/kg**	**1:100**
2-Chlorotoluene	10/06/08	10/06/08	ND	200	ug/kg	1:100
4-Chlorotoluene	10/06/08	10/06/08	ND	200	ug/kg	1:100
1,3,5-Trimethylbenzene	10/06/08	10/06/08	ND	200	ug/kg	1:100
tert-Butylbenzene	**10/06/08**	**10/06/08**	**780**	**200**	**ug/kg**	**1:100**
1,2,4-Trimethylbenzene	10/06/08	10/06/08	ND	200	ug/kg	1:100
sec-Butylbenzene	**10/06/08**	**10/06/08**	**10000**	**200**	**ug/kg**	**1:100**
1,3-Dichlorobenzene	10/06/08	10/06/08	ND	200	ug/kg	1:100
1,4-Dichlorobenzene	10/06/08	10/06/08	ND	200	ug/kg	1:100
4-Isopropyltoluene	10/06/08	10/06/08	ND	200	ug/kg	1:100
1,2-Dichlorobenzene	10/06/08	10/06/08	ND	200	ug/kg	1:100
n-Butylbenzene	**10/06/08**	**10/06/08**	**26000**	**200**	**ug/kg**	**1:100**

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/02/08
Laboratory ID	18627014	**Received**	10/03/08
Sample ID	SB-11-8	**Reported**	10/22/08
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
1,2-Dibromo-3-chloropropane	10/06/08	10/06/08	ND	200	ug/kg	1:100
1,2,4-Trichlorobenzene	10/06/08	10/06/08	ND	200	ug/kg	1:100
Naphthalene	**10/06/08**	**10/06/08**	**15000**	**200**	**ug/kg**	**1:100**
Hexachlorobutadiene	10/06/08	10/06/08	ND	200	ug/kg	1:100
1,2,3-Trichlorobenzene	10/06/08	10/06/08	ND	200	ug/kg	1:100
Methyl-tert-butyl-ether	**10/06/08**	**10/06/08**	**310**	**50.0**	**ug/kg**	**1:100**

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	61 ug/kg	122 %	(70 - 135)
Toluene d8	58 ug/kg	116 %	(70 - 135)
4-Bromofluorobenzene	66 ug/kg	132 %	(70 - 135)

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/02/08
Laboratory ID	18627015	**Received**	10/03/08
Sample ID	SB-11-11	**Reported**	10/22/08
Matrix	Soil		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Chloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Vinyl chloride	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromomethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Chloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Trichlorofluoromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Acrolein	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1-Dichloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Acetone	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Iodomethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Carbon disulfide	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Dichloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Acrylonitrile	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
trans-1,2-Dichloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1-Dichloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Vinyl acetate	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
cis-1,2-Dichloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2-Butanone	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromochloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Chloroform	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2,2-dichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1,1-Trichloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1-dichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Carbon tetrachloride	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Benzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2-Dichloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Dibromomethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromodichloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2-Dichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Trichloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2-Chloroethylvinyl ether	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
cis-1,3-Dichloropropene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/02/08
Laboratory ID	18627015	**Received**	10/03/08
Sample ID	SB-11-11	**Reported**	10/22/08
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
4-Methyl-2-pentanone	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
trans-1,3-Dichloropropene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1,2-Trichloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Toluene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2-Dibromoethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,3-Dichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2-Hexanone	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Dibromochloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Tetrachloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1,1,2-Tetrachloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Chlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Ethylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
m,p-Xylene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromoform	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Styrene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
o-Xylene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1,2,2-Tetrachloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2,3-Trichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Isopropylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
n-Propylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2-Chlorotoluene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
4-Chlorotoluene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,3,5-Trimethylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
tert-Butylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2,4-Trimethylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
sec-Butylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,3-Dichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,4-Dichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
4-Isopropyltoluene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2-Dichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
n-Butylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/02/08
Laboratory ID	18627015	**Received**	10/03/08
Sample ID	SB-11-11	**Reported**	10/22/08
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
1,2-Dibromo-3-chloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2,4-Trichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Naphthalene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Hexachlorobutadiene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2,3-Trichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Methyl-tert-butyl-ether	10/06/08	10/06/08	ND	0.500	ug/kg	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	50 ug/kg	100 %	(70 - 135)
Toluene d8	47 ug/kg	94 %	(70 - 135)
4-Bromofluorobenzene	44 ug/kg	88 %	(70 - 135)

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/02/08
Laboratory ID	18627016	**Received**	10/03/08
Sample ID	SB-12-2	**Reported**	10/22/08
Matrix	Soil		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	10/06/08	10/06/08	ND	200	ug/kg	1:100
Chloromethane	10/06/08	10/06/08	ND	200	ug/kg	1:100
Vinyl chloride	10/06/08	10/06/08	ND	200	ug/kg	1:100
Bromomethane	10/06/08	10/06/08	ND	200	ug/kg	1:100
Chloroethane	10/06/08	10/06/08	ND	200	ug/kg	1:100
Trichlorofluoromethane	10/06/08	10/06/08	ND	200	ug/kg	1:100
Acrolein	10/06/08	10/06/08	ND	200	ug/kg	1:100
1,1-Dichloroethene	10/06/08	10/06/08	ND	200	ug/kg	1:100
Acetone	**10/06/08**	**10/06/08**	**1300**	**200**	**ug/kg**	**1:100**
Iodomethane	10/06/08	10/06/08	ND	200	ug/kg	1:100
Carbon disulfide	10/06/08	10/06/08	ND	200	ug/kg	1:100
Dichloromethane	10/06/08	10/06/08	ND	200	ug/kg	1:100
Acrylonitrile	10/06/08	10/06/08	ND	200	ug/kg	1:100
trans-1,2-Dichloroethene	10/06/08	10/06/08	ND	200	ug/kg	1:100
1,1-Dichloroethane	10/06/08	10/06/08	ND	200	ug/kg	1:100
Vinyl acetate	10/06/08	10/06/08	ND	200	ug/kg	1:100
cis-1,2-Dichloroethene	10/06/08	10/06/08	ND	200	ug/kg	1:100
2-Butanone	**10/06/08**	**10/06/08**	**2600**	**200**	**ug/kg**	**1:100**
Bromochloromethane	10/06/08	10/06/08	ND	200	ug/kg	1:100
Chloroform	10/06/08	10/06/08	ND	200	ug/kg	1:100
2,2-dichloropropane	10/06/08	10/06/08	ND	200	ug/kg	1:100
1,1,1-Trichloroethane	10/06/08	10/06/08	ND	200	ug/kg	1:100
1,1-dichloropropane	10/06/08	10/06/08	ND	200	ug/kg	1:100
Carbon tetrachloride	10/06/08	10/06/08	ND	200	ug/kg	1:100
Benzene	**10/06/08**	**10/06/08**	**390**	**200**	**ug/kg**	**1:100**
1,2-Dichloroethane	10/06/08	10/06/08	ND	200	ug/kg	1:100
Dibromomethane	10/06/08	10/06/08	ND	200	ug/kg	1:100
Bromodichloromethane	10/06/08	10/06/08	ND	200	ug/kg	1:100
1,2-Dichloropropane	10/06/08	10/06/08	ND	200	ug/kg	1:100
Trichloroethene	10/06/08	10/06/08	ND	200	ug/kg	1:100
2-Chloroethylvinyl ether	10/06/08	10/06/08	ND	200	ug/kg	1:100
cis-1,3-Dichloropropene	10/06/08	10/06/08	ND	200	ug/kg	1:100

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/02/08
Laboratory ID	18627016	**Received**	10/03/08
Sample ID	SB-12-2	**Reported**	10/22/08
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
4-Methyl-2-pentanone	10/06/08	10/06/08	ND	200	ug/kg	1:100
trans-1,3-Dichloropropene	10/06/08	10/06/08	ND	200	ug/kg	1:100
1,1,2-Trichloroethane	10/06/08	10/06/08	ND	200	ug/kg	1:100
Toluene	**10/06/08**	**10/06/08**	**6800**	**200**	**ug/kg**	**1:100**
1,2-Dibromoethane	10/06/08	10/06/08	ND	200	ug/kg	1:100
1,3-Dichloropropane	10/06/08	10/06/08	ND	200	ug/kg	1:100
2-Hexanone	10/06/08	10/06/08	ND	200	ug/kg	1:100
Dibromochloromethane	10/06/08	10/06/08	ND	200	ug/kg	1:100
Tetrachloroethene	10/06/08	10/06/08	ND	200	ug/kg	1:100
1,1,1,2-Tetrachloroethane	10/06/08	10/06/08	ND	200	ug/kg	1:100
Chlorobenzene	10/06/08	10/06/08	ND	200	ug/kg	1:100
Ethylbenzene	**10/06/08**	**10/06/08**	**3200**	**200**	**ug/kg**	**1:100**
m,p-Xylene	**10/06/08**	**10/06/08**	**18000**	**200**	**ug/kg**	**1:100**
Bromoform	10/06/08	10/06/08	ND	200	ug/kg	1:100
Styrene	10/06/08	10/06/08	ND	200	ug/kg	1:100
o-Xylene	**10/06/08**	**10/06/08**	**8800**	**200**	**ug/kg**	**1:100**
1,1,2,2-Tetrachloroethane	10/06/08	10/06/08	ND	200	ug/kg	1:100
1,2,3-Trichloropropane	10/06/08	10/06/08	ND	200	ug/kg	1:100
Isopropylbenzene	**10/06/08**	**10/06/08**	**990**	**200**	**ug/kg**	**1:100**
Bromobenzene	10/06/08	10/06/08	ND	200	ug/kg	1:100
n-Propylbenzene	**10/06/08**	**10/06/08**	**2300**	**200**	**ug/kg**	**1:100**
2-Chlorotoluene	10/06/08	10/06/08	ND	200	ug/kg	1:100
4-Chlorotoluene	10/06/08	10/06/08	ND	200	ug/kg	1:100
1,3,5-Trimethylbenzene	**10/06/08**	**10/06/08**	**7000**	**200**	**ug/kg**	**1:100**
tert-Butylbenzene	10/06/08	10/06/08	ND	200	ug/kg	1:100
1,2,4-Trimethylbenzene	**10/06/08**	**10/06/08**	**16000**	**200**	**ug/kg**	**1:100**
sec-Butylbenzene	10/06/08	10/06/08	ND	200	ug/kg	1:100
1,3-Dichlorobenzene	10/06/08	10/06/08	ND	200	ug/kg	1:100
1,4-Dichlorobenzene	10/06/08	10/06/08	ND	200	ug/kg	1:100
4-Isopropyltoluene	**10/06/08**	**10/06/08**	**1300**	**200**	**ug/kg**	**1:100**
1,2-Dichlorobenzene	10/06/08	10/06/08	ND	200	ug/kg	1:100
n-Butylbenzene	**10/06/08**	**10/06/08**	**1900**	**200**	**ug/kg**	**1:100**

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/02/08
Laboratory ID	18627016	**Received**	10/03/08
Sample ID	SB-12-2	**Reported**	10/22/08
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
1,2-Dibromo-3-chloropropane	10/06/08	10/06/08	ND	200	ug/kg	1:100
1,2,4-Trichlorobenzene	10/06/08	10/06/08	ND	200	ug/kg	1:100
Naphthalene	**10/06/08**	**10/06/08**	**4000**	**200**	**ug/kg**	**1:100**
Hexachlorobutadiene	10/06/08	10/06/08	ND	200	ug/kg	1:100
1,2,3-Trichlorobenzene	10/06/08	10/06/08	ND	200	ug/kg	1:100
Methyl-tert-butyl-ether	**10/06/08**	**10/06/08**	**340**	**50.0**	**ug/kg**	**1:100**

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	54 ug/kg	108 %	(70 - 135)
Toluene d8	60 ug/kg	120 %	(70 - 135)
4-Bromofluorobenzene	57 ug/kg	114 %	(70 - 135)

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/02/08
Laboratory ID	18627017	**Received**	10/03/08
Sample ID	SB-12-5	**Reported**	10/22/08
Matrix	Soil		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Chloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Vinyl chloride	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromomethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Chloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Trichlorofluoromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Acrolein	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1-Dichloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Acetone	**10/06/08**	**10/06/08**	**50**	**2.0**	**ug/kg**	**1:1**
Iodomethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Carbon disulfide	**10/06/08**	**10/06/08**	**6.9**	**2.0**	**ug/kg**	**1:1**
Dichloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Acrylonitrile	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
trans-1,2-Dichloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1-Dichloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Vinyl acetate	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
cis-1,2-Dichloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2-Butanone	**10/06/08**	**10/06/08**	**10**	**2.0**	**ug/kg**	**1:1**
Bromochloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Chloroform	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2,2-dichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1,1-Trichloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1-dichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Carbon tetrachloride	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Benzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2-Dichloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Dibromomethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromodichloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2-Dichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Trichloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2-Chloroethylvinyl ether	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
cis-1,3-Dichloropropene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/02/08
Laboratory ID	18627017	**Received**	10/03/08
Sample ID	SB-12-5	**Reported**	10/22/08
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
4-Methyl-2-pentanone	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
trans-1,3-Dichloropropene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1,2-Trichloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Toluene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2-Dibromoethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,3-Dichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2-Hexanone	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Dibromochloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Tetrachloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1,1,2-Tetrachloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Chlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Ethylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
m,p-Xylene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromoform	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Styrene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
o-Xylene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1,2,2-Tetrachloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2,3-Trichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Isopropylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
n-Propylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2-Chlorotoluene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
4-Chlorotoluene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,3,5-Trimethylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
tert-Butylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2,4-Trimethylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
sec-Butylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,3-Dichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,4-Dichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
4-Isopropyltoluene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2-Dichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
n-Butylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/02/08
Laboratory ID	18627017	**Received**	10/03/08
Sample ID	SB-12-5	**Reported**	10/22/08
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
1,2-Dibromo-3-chloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2,4-Trichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Naphthalene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Hexachlorobutadiene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2,3-Trichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Methyl-tert-butyl-ether	10/06/08	10/06/08	ND	0.500	ug/kg	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	51 ug/kg	102 %	(70 - 135)
Toluene d8	51 ug/kg	102 %	(70 - 135)
4-Bromofluorobenzene	50 ug/kg	100 %	(70 - 135)

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/02/08
Laboratory ID	18627018	**Received**	10/03/08
Sample ID	SB-12-10	**Reported**	10/22/08
Matrix	Soil		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Chloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Vinyl chloride	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromomethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Chloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Trichlorofluoromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Acrolein	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1-Dichloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Acetone	**10/06/08**	**10/06/08**	**5.3**	**2.0**	**ug/kg**	**1:1**
Iodomethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Carbon disulfide	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Dichloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Acrylonitrile	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
trans-1,2-Dichloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1-Dichloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Vinyl acetate	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
cis-1,2-Dichloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2-Butanone	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromochloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Chloroform	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2,2-dichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1,1-Trichloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1-dichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Carbon tetrachloride	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Benzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2-Dichloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Dibromomethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromodichloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2-Dichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Trichloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2-Chloroethylvinyl ether	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
cis-1,3-Dichloropropene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/02/08
Laboratory ID	18627018	**Received**	10/03/08
Sample ID	SB-12-10	**Reported**	10/22/08
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
4-Methyl-2-pentanone	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
trans-1,3-Dichloropropene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1,2-Trichloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Toluene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2-Dibromoethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,3-Dichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2-Hexanone	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Dibromochloromethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Tetrachloroethene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1,1,2-Tetrachloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Chlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Ethylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
m,p-Xylene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromoform	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Styrene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
o-Xylene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1,2,2-Tetrachloroethane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2,3-Trichloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Isopropylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
n-Propylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2-Chlorotoluene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
4-Chlorotoluene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,3,5-Trimethylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
tert-Butylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2,4-Trimethylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
sec-Butylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,3-Dichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,4-Dichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
4-Isopropyltoluene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2-Dichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
n-Butylbenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/02/08
Laboratory ID	18627018	**Received**	10/03/08
Sample ID	SB-12-10	**Reported**	10/22/08
Matrix	Soil		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
1,2-Dibromo-3-chloropropane	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2,4-Trichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Naphthalene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Hexachlorobutadiene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2,3-Trichlorobenzene	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Methyl-tert-butyl-ether	10/06/08	10/06/08	ND	0.500	ug/kg	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	49 ug/kg	98 %	(70 - 135)
Toluene d8	48 ug/kg	96 %	(70 - 135)
4-Bromofluorobenzene	45 ug/kg	90 %	(70 - 135)

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Client ID Ninyo & Moore
Workorder # 18627 **Workorder ID** Holland Oil

Laboratory ID 18627001 **Sampled** 10/01/08
Sample ID DB-1B **Received** 10/03/08
Matrix Water **Reported** 10/22/08

8015M DHS TPH LUFT

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas[1]	8015B TPHgas	10/06/08	10/06/08	120	50	ug/L	1:1

Surrogates	Result	Recovery	Limits
Trifluorotoluene	20 ug/L	100 %	(65 - 135)

1 - TPHgas was weathered.

Laboratory ID 18627002 **Sampled** 10/01/08
Sample ID DB-2 **Received** 10/03/08
Matrix Water **Reported** 10/22/08

8015M DHS TPH LUFT

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas[1]	8015B TPHgas	10/06/08	10/06/08	60	50	ug/L	1:1

Surrogates	Result	Recovery	Limits
Trifluorotoluene	16 ug/L	80 %	(65 - 135)

1 - TPHgas was weathered.

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Test Certificate of Analysis

Client ID Ninyo & Moore
Workorder # 18627 **Workorder ID** Holland Oil

Laboratory ID 18627003 **Sampled** 10/01/08
Sample ID DB-3 **Received** 10/03/08
Matrix Water **Reported** 10/22/08

8015M DHS TPH LUFT

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	10/06/08	10/06/08	ND	50	ug/L	1:1

Surrogates	Result	Recovery	Limits
Trifluorotoluene	16 ug/L	80 %	(65 - 135)

Laboratory ID 18627004 **Sampled** 10/01/08
Sample ID MW-9-2 **Received** 10/03/08
Matrix Soil **Reported** 10/22/08

8015M DHS TPH LUFT

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	10/06/08	10/06/08	ND	0.50	mg/Kg	1:1

Surrogates	Result	Recovery	Limits
Trifluorotoluene	14 ug/kg	70 %	(65 - 135)

Laboratory ID 18627005 **Sampled** 10/01/08
Sample ID MW-9-5 **Received** 10/03/08
Matrix Soil **Reported** 10/22/08

8015M DHS TPH LUFT

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	10/06/08	10/06/08	ND	0.50	mg/Kg	1:1

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/01/08
Laboratory ID	18627005	**Received**	10/03/08
Sample ID	MW-9-5	**Reported**	10/22/08
Matrix	Soil		

8015M DHS TPH LUFT - 8015B TPHgas (continued)

Surrogates	Result	Recovery	Limits
Trifluorotoluene	19 ug/kg	95 %	(65 - 135)

Laboratory ID	18627006	**Sampled**	10/01/08
Sample ID	MW-9-10	**Received**	10/03/08
Matrix	Soil	**Reported**	10/22/08

8015M DHS TPH LUFT

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	10/06/08	10/06/08	ND	0.50	mg/Kg	1:1

Surrogates	Result	Recovery	Limits
Trifluorotoluene	15 ug/kg	75 %	(65 - 135)

Laboratory ID	18627007	**Sampled**	10/02/08
Sample ID	SB-9-2	**Received**	10/03/08
Matrix	Soil	**Reported**	10/22/08

8015M DHS TPH LUFT

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	10/06/08	10/06/08	ND	0.50	mg/Kg	1:1

Surrogates	Result	Recovery	Limits
Trifluorotoluene	16 ug/kg	80 %	(65 - 135)

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Client ID Ninyo & Moore
Workorder # 18627 **Workorder ID** Holland Oil

Laboratory ID 18627008 **Sampled** 10/02/08
Sample ID SB-9-5 **Received** 10/03/08
Matrix Soil **Reported** 10/22/08

8015M DHS TPH LUFT

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	10/06/08	10/06/08	ND	0.50	mg/Kg	1:1

Surrogates	Result	Recovery	Limits
Trifluorotoluene	15 ug/kg	75 %	(65 - 135)

Laboratory ID 18627009 **Sampled** 10/02/08
Sample ID SB-9-10 **Received** 10/03/08
Matrix Soil **Reported** 10/22/08

8015M DHS TPH LUFT

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	10/06/08	10/06/08	ND	0.50	mg/Kg	1:1

Surrogates	Result	Recovery	Limits
Trifluorotoluene	19 ug/kg	95 %	(65 - 135)

Laboratory ID 18627010 **Sampled** 10/02/08
Sample ID SB-10-2 **Received** 10/03/08
Matrix Soil **Reported** 10/22/08

8015M DHS TPH LUFT

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	10/06/08	10/06/08	ND	0.50	mg/Kg	1:1

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Test Certificate of Analysis

Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/02/08
Laboratory ID	18627010	**Received**	10/03/08
Sample ID	SB-10-2	**Reported**	10/22/08
Matrix	Soil		

8015M DHS TPH LUFT - 8015B TPHgas (continued)

Surrogates	Result	Recovery	Limits
Trifluorotoluene	16 ug/kg	80 %	(65 - 135)

Laboratory ID	18627011	**Sampled**	10/02/08
Sample ID	SB-10-5	**Received**	10/03/08
Matrix	Soil	**Reported**	10/22/08

8015M DHS TPH LUFT

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	10/06/08	10/06/08	ND	0.50	mg/Kg	1:1

Surrogates	Result	Recovery	Limits
Trifluorotoluene	15 ug/kg	75 %	(65 - 135)

Laboratory ID	18627012	**Sampled**	10/02/08
Sample ID	SB-10-10	**Received**	10/03/08
Matrix	Soil	**Reported**	10/22/08

8015M DHS TPH LUFT

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	10/06/08	10/06/08	ND	0.50	mg/Kg	1:1

Surrogates	Result	Recovery	Limits
Trifluorotoluene	14 ug/kg	70 %	(65 - 135)

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Test Certificate of Analysis

Client ID Ninyo & Moore
Workorder # 18627 **Workorder ID** Holland Oil

Laboratory ID 18627013 **Sampled** 10/02/08
Sample ID SB-11-3 **Received** 10/03/08
Matrix Soil **Reported** 10/22/08

8015M DHS TPH LUFT

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas[1]	8015B TPHgas	10/06/08	10/06/08	30	0.50	mg/Kg	1:1

Surrogates	Result	Recovery	Limits
Trifluorotoluene	496 ug/kg	2480 %	(65 - 135)

1 - TPHgas was weathered.

Laboratory ID 18627014 **Sampled** 10/02/08
Sample ID SB-11-8 **Received** 10/03/08
Matrix Soil **Reported** 10/22/08

8015M DHS TPH LUFT

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas[1]	8015B TPHgas	10/06/08	10/06/08	80	0.50	mg/Kg	1:1

Surrogates	Result	Recovery	Limits
Trifluorotoluene	14 ug/kg	70 %	(65 - 135)

1 - Non-typical TPH pattern present in gas range.

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Test Certificate of Analysis

Client ID Ninyo & Moore
Workorder # 18627 **Workorder ID** Holland Oil

Laboratory ID 18627015 **Sampled** 10/02/08
Sample ID SB-11-11 **Received** 10/03/08
Matrix Soil **Reported** 10/22/08

8015M DHS TPH LUFT

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	10/06/08	10/06/08	ND	0.50	mg/Kg	1:1

Surrogates	Result	Recovery	Limits
Trifluorotoluene	15 ug/kg	75 %	(65 - 135)

Laboratory ID 18627016 **Sampled** 10/02/08
Sample ID SB-12-2 **Received** 10/03/08
Matrix Soil **Reported** 10/22/08

8015M DHS TPH LUFT

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	**8015B TPHgas**	**10/06/08**	**10/06/08**	**40**	**0.50**	**mg/Kg**	**1:1**

Surrogates	Result	Recovery	Limits
Trifluorotoluene	00 ug/kg	0 %	(65 - 135)

Laboratory ID 18627017 **Sampled** 10/02/08
Sample ID SB-12-5 **Received** 10/03/08
Matrix Soil **Reported** 10/22/08

8015M DHS TPH LUFT

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	10/06/08	10/06/08	ND	0.50	mg/Kg	1:1

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Test Certificate of Analysis

Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18627	**Sampled**	10/02/08
Laboratory ID	18627017	**Received**	10/03/08
Sample ID	SB-12-5	**Reported**	10/22/08
Matrix	Soil		

8015M DHS TPH LUFT - 8015B TPHgas (continued)

Surrogates	Result	Recovery	Limits
Trifluorotoluene	14 ug/kg	70 %	(65 - 135)

Laboratory ID	18627018	**Sampled**	10/02/08
Sample ID	SB-12-10	**Received**	10/03/08
Matrix	Soil	**Reported**	10/22/08

8015M DHS TPH LUFT

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	10/06/08	10/06/08	ND	0.50	mg/Kg	1:1

Surrogates	Result	Recovery	Limits
Trifluorotoluene	17 ug/kg	85 %	(65 - 135)

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Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID Ninyo & Moore
Workorder # 18627 **Workorder ID** Holland Oil

Parameter TPHdiesel
Method 8015B TPHd

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
18627001	DB-1B	ND	50	ug/L	10/01/08	10/07/08	Water	1:1
18627002	DB-2	ND	50	ug/L	10/01/08	10/07/08	Water	1:1
18627003	DB-3	ND	50	ug/L	10/01/08	10/07/08	Water	1:1
18627004	MW-9-2	ND	1.0	mg/Kg	10/01/08	10/08/08	Soil	1:1
18627005	MW-9-5	ND	1.0	mg/Kg	10/01/08	10/08/08	Soil	1:1
18627006	MW-9-10	ND	1.0	mg/Kg	10/01/08	10/08/08	Soil	1:1
18627007	SB-9-2	ND	1.0	mg/Kg	10/02/08	10/08/08	Soil	1:1
18627008	SB-9-5	ND	1.0	mg/Kg	10/02/08	10/08/08	Soil	1:1
18627009	SB-9-10	ND	1.0	mg/Kg	10/02/08	10/08/08	Soil	1:1
18627010	SB-10-2	ND	1.0	mg/Kg	10/02/08	10/08/08	Soil	1:1
18627011	SB-10-5	ND	1.0	mg/Kg	10/02/08	10/08/08	Soil	1:1
18627012	SB-10-10	ND	1.0	mg/Kg	10/02/08	10/08/08	Soil	1:1
18627013	SB-11-3	1200	1.0	mg/Kg	10/02/08	10/08/08	Soil	1:1
18627014	SB-11-8	2300	1.0	mg/Kg	10/02/08	10/08/08	Soil	1:1
18627015	SB-11-11	ND	1.0	mg/Kg	10/02/08	10/08/08	Soil	1:1
18627016	SB-12-2	1000	1.0	mg/Kg	10/02/08	10/08/08	Soil	1:1
18627017	SB-12-5	ND	1.0	mg/Kg	10/02/08	10/08/08	Soil	1:1
18627018	SB-12-10	ND	1.0	mg/Kg	10/02/08	10/08/08	Soil	1:1

Method Blank Report

Client ID Ninyo & Moore
Workorder ID Holland Oil
Laboratory ID 87840
Sample ID MB for HBN 353469 [SGXV/2523]
Matrix Soil

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHdiesel	8015B TPHd	10/07/08	10/08/08	ND	1.0	mg/Kg	1:1

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Lab Control Sample Report

Client ID Ninyo & Moore
Workorder ID Holland Oil
Laboratory ID 87841
Sample ID LCS for HBN 353469 [SGXV/2523]
Matrix Soil

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHdiesel	8015B TPHd	10/07/08	10/08/08	49	1.0	mg/Kg	1:1

Lab Control Sample Duplicate Report

Client ID Ninyo & Moore
Workorder ID Holland Oil
Laboratory ID 87842
Sample ID LCSD for HBN 353469 [SGXV/2523
Matrix Soil

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHdiesel	8015B TPHd	10/07/08	10/08/08	49	1.0	mg/Kg	1:1

Matrix Spike Report

Client ID Ninyo & Moore
Workorder ID Holland Oil
Laboratory ID 87843
Sample ID MS for HBN 353469 [SGXV/2523]
Matrix Soil

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHdiesel	8015B TPHd	10/07/08	10/08/08	42	1.0	mg/Kg	1:1

Matrix Spike Duplicate Report

Client ID Ninyo & Moore
Workorder ID Holland Oil
Laboratory ID 87844
Sample ID MSD for HBN 353469 [SGXV/2523]
Matrix Soil

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution

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Matrix Spike Duplicate Report

Client ID Ninyo & Moore
Workorder ID Holland Oil
Laboratory ID 87844
Sample ID MSD for HBN 353469 [SGXV/2523]
Matrix Soil

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
(continued)							
TPHdiesel	8015B TPHd	10/07/08	10/08/08	39	1.0	mg/Kg	1:1

Method Blank Report

Client ID Ninyo & Moore
Workorder ID Holland Oil
Laboratory ID 87845
Sample ID MB for HBN 353472 [SGXV/2524]
Matrix Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHdiesel	8015B TPHd	10/06/08	10/07/08	ND	50	ug/L	1:1

Lab Control Sample Report

Client ID Ninyo & Moore
Workorder ID Holland Oil
Laboratory ID 87846
Sample ID LCS for HBN 353472 [SGXV/2524]
Matrix Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHdiesel	8015B TPHd	10/06/08	10/07/08	940	50	ug/L	1:1

Lab Control Sample Duplicate Report

Client ID Ninyo & Moore
Workorder ID Holland Oil
Laboratory ID 87847
Sample ID LCSD for HBN 353472 [SGXV/2524
Matrix Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution

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Lab Control Sample Duplicate Report

Client ID Ninyo & Moore
Workorder ID Holland Oil
Laboratory ID 87847
Sample ID LCSD for HBN 353472 [SGXV/2524
Matrix Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
(continued)							
TPHdiesel	8015B TPHd	10/06/08	10/07/08	910	50	ug/L	1:1

Method Blank Report

Client ID Ninyo & Moore
Workorder ID Holland Oil
Laboratory ID 87901
Sample ID MB for HBN 353650 [VGXV/2957]
Matrix Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	10/06/08	10/06/08	ND	50	ug/L	1:1

Surrogates	Result	Recovery	Limits
Trifluorotoluene	13 ug/L	65 %	(65 - 135)

Lab Control Sample Report

Client ID Ninyo & Moore
Workorder ID Holland Oil
Laboratory ID 87902
Sample ID LCS for HBN 353650 [VGXV/2957]
Matrix Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	10/06/08	10/06/08	742	50	ug/L	1:1

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Lab Control Sample Duplicate Report

Client ID Ninyo & Moore
Workorder ID Holland Oil
Laboratory ID 87903
Sample ID LCSD for HBN 353650 [VGXV/2957
Matrix Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	10/06/08	10/06/08	716	50	ug/L	1:1

Matrix Spike Report

Client ID Ninyo & Moore
Workorder ID Holland Oil
Laboratory ID 87904
Sample ID MS for HBN 353650 [VGXV/2957]
Matrix Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	10/06/08	10/06/08	1100	50	ug/L	1:1

Matrix Spike Duplicate Report

Client ID Ninyo & Moore
Workorder ID Holland Oil
Laboratory ID 87905
Sample ID MSD for HBN 353650 [VGXV/2957]
Matrix Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	10/06/08	10/06/08	984	50	ug/L	1:1

Method Blank Report

Client ID Ninyo & Moore
Workorder ID Holland Oil
Laboratory ID 87906
Sample ID MB for HBN 353653 [VGXV/2958]
Matrix Soil

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution

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Method Blank Report

Client ID Ninyo & Moore
Workorder ID Holland Oil
Laboratory ID 87906
Sample ID MB for HBN 353653 [VGXV/2958]
Matrix Soil

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
(continued)							
TPHgas	8015B TPHgas	10/06/08	10/06/08	ND	0.50	mg/Kg	1:1

Surrogates	Result	Recovery	Limits
Trifluorotoluene	13 ug/kg	65 %	(65 - 135)

Lab Control Sample Report

Client ID Ninyo & Moore
Workorder ID Holland Oil
Laboratory ID 87907
Sample ID LCS for HBN 353653 [VGXV/2958]
Matrix Soil

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	10/06/08	10/06/08	0.74	0.50	mg/Kg	1:1

Lab Control Sample Duplicate Report

Client ID Ninyo & Moore
Workorder ID Holland Oil
Laboratory ID 87908
Sample ID LCSD for HBN 353653 [VGXV/2958
Matrix Soil

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	10/06/08	10/06/08	0.72	0.50	mg/Kg	1:1

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Matrix Spike Report

Client ID Ninyo & Moore
Workorder ID Holland Oil
Laboratory ID 87909
Sample ID MS for HBN 353653 [VGXV/2958]
Matrix Soil

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	10/06/08	10/06/08	0.97	0.50	mg/Kg	1:1

Matrix Spike Duplicate Report

Client ID Ninyo & Moore
Workorder ID Holland Oil
Laboratory ID 87910
Sample ID MSD for HBN 353653 [VGXV/2958]
Matrix Soil

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	10/06/08	10/06/08	0.91	0.50	mg/Kg	1:1

Method Blank Report

Client ID Ninyo & Moore
Workorder ID Holland Oil
Laboratory ID 88014
Sample ID MB for HBN 354255 [VMXV/3058]
Matrix Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Chloromethane	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Vinyl chloride	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Bromomethane	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Chloroethane	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Trichlorofluoromethane	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Acrolein	8260B	10/06/08	10/06/08	ND	10	ug/L	1:1
1,1-Dichloroethene	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Acetone	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Iodomethane	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Carbon disulfide	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Dichloromethane	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1

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Method Blank Report

Client ID Ninyo & Moore
Workorder ID Holland Oil
Laboratory ID 88014
Sample ID MB for HBN 354255 [VMXV/3058]
Matrix Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
(continued)							
Acrylonitrile	8260B	10/06/08	10/06/08	ND	10	ug/L	1:1
trans-1,2-Dichloroethene	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,1-Dichloroethane	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
cis-1,2-Dichloroethene	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
2-Butanone	8260B	10/06/08	10/06/08	ND	5.0	ug/L	1:1
Bromochloromethane	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Chloroform	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
2,2-dichloropropane	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,1,1-Trichloroethane	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,1-dichloropropane	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Carbon tetrachloride	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Benzene	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,2-Dichloroethane	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Dibromomethane	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Bromodichloromethane	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,2-Dichloropropane	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Trichloroethene	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
2-Chloroethylvinyl ether	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
cis-1,3-Dichloropropene	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
4-Methyl-2-pentanone	8260B	10/06/08	10/06/08	ND	5.0	ug/L	1:1
trans-1,3-Dichloropropene	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,1,2-Trichloroethane	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Toluene	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,2-Dibromoethane	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,3-Dichloropropane	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
2-Hexanone	8260B	10/06/08	10/06/08	ND	10	ug/L	1:1
Dibromochloromethane	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Tetrachloroethene	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,1,1,2-Tetrachloroethane	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Chlorobenzene	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Ethylbenzene	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
m,p-Xylene	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Bromoform	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1

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Method Blank Report

Client ID	Ninyo & Moore
Workorder ID	Holland Oil
Laboratory ID	88014
Sample ID	MB for HBN 354255 [VMXV/3058]
Matrix	Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
(continued)							
Styrene	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
o-Xylene	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,1,2,2-Tetrachloroethane	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,2,3-Trichloropropane	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Isopropylbenzene	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Bromobenzene	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
n-Propylbenzene	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
2-Chlorotoluene	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
4-Chlorotoluene	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,3,5-Trimethylbenzene	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
tert-Butylbenzene	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,2,4-Trimethylbenzene	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
sec-Butylbenzene	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,3-Dichlorobenzene	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,4-Dichlorobenzene	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
4-Isopropyltoluene	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,2-Dichlorobenzene	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
n-Butylbenzene	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,2-Dibromo-3-chloropropane	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,2,4-Trichlorobenzene	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Naphthalene	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Hexachlorobutadiene	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
1,2,3-Trichlorobenzene	8260B	10/06/08	10/06/08	ND	1.0	ug/L	1:1
Methyl-tert-butyl-ether	8260B	10/06/08	10/06/08	ND	0.500	ug/L	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	47 ug/L	94 %	(65 - 135)
Toluene d8	47 ug/L	94 %	(65 - 118)
4-Bromofluorobenzene	44 ug/L	88 %	(65 - 133)

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Lab Control Sample Report

Client ID Ninyo & Moore
Workorder ID Holland Oil
Laboratory ID 88015
Sample ID LCS for HBN 354255 [VMXV/3058]
Matrix Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
1,1-Dichloroethene	8260B	10/06/08	10/06/08	44	1.0	ug/L	1:1
Benzene	8260B	10/06/08	10/06/08	51	1.0	ug/L	1:1
Trichloroethene	8260B	10/06/08	10/06/08	47	1.0	ug/L	1:1
Toluene	8260B	10/06/08	10/06/08	47	1.0	ug/L	1:1
Chlorobenzene	8260B	10/06/08	10/06/08	50	1.0	ug/L	1:1

Lab Control Sample Duplicate Report

Client ID Ninyo & Moore
Workorder ID Holland Oil
Laboratory ID 88016
Sample ID LCSD for HBN 354255 [VMXV/3058
Matrix Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
1,1-Dichloroethene	8260B	10/06/08	10/06/08	49	1.0	ug/L	1:1
Benzene	8260B	10/06/08	10/06/08	56	1.0	ug/L	1:1
Trichloroethene	8260B	10/06/08	10/06/08	52	1.0	ug/L	1:1
Toluene	8260B	10/06/08	10/06/08	55	1.0	ug/L	1:1
Chlorobenzene	8260B	10/06/08	10/06/08	56	1.0	ug/L	1:1

Matrix Spike Report

Client ID Ninyo & Moore
Workorder ID Holland Oil
Laboratory ID 88017
Sample ID MS for HBN 354255 [VMXV/3058]
Matrix Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
1,1-Dichloroethene	8260B	10/06/08	10/06/08	55	1.0	ug/L	1:1
Benzene	8260B	10/06/08	10/06/08	61	1.0	ug/L	1:1
Trichloroethene	8260B	10/06/08	10/06/08	54	1.0	ug/L	1:1
Toluene	8260B	10/06/08	10/06/08	58	1.0	ug/L	1:1

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Matrix Spike Report

Client ID Ninyo & Moore
Workorder ID Holland Oil
Laboratory ID 88017
Sample ID MS for HBN 354255 [VMXV/3058]
Matrix Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
(continued)							
Chlorobenzene	8260B	10/06/08	10/06/08	56	1.0	ug/L	1:1

Matrix Spike Duplicate Report

Client ID Ninyo & Moore
Workorder ID Holland Oil
Laboratory ID 88018
Sample ID MSD for HBN 354255 [VMXV/3058]
Matrix Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
1,1-Dichloroethene	8260B	10/06/08	10/06/08	48	1.0	ug/L	1:1
Benzene	8260B	10/06/08	10/06/08	55	1.0	ug/L	1:1
Trichloroethene	8260B	10/06/08	10/06/08	50	1.0	ug/L	1:1
Toluene	8260B	10/06/08	10/06/08	53	1.0	ug/L	1:1
Chlorobenzene	8260B	10/06/08	10/06/08	54	1.0	ug/L	1:1

Method Blank Report

Client ID Ninyo & Moore
Workorder ID Holland Oil
Laboratory ID 88031
Sample ID MB for HBN 354265 [VMXV/3059]
Matrix Soil

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Chloromethane	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Vinyl chloride	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromomethane	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Chloroethane	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Trichlorofluoromethane	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1

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Method Blank Report

Client ID	Ninyo & Moore
Workorder ID	Holland Oil
Laboratory ID	88031
Sample ID	MB for HBN 354265 [VMXV/3059]
Matrix	Soil

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
(continued)							
Acrolein	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1-Dichloroethene	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Acetone	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Iodomethane	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Carbon disulfide	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Dichloromethane	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Acrylonitrile	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
trans-1,2-Dichloroethene	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1-Dichloroethane	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
cis-1,2-Dichloroethene	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2-Butanone	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromochloromethane	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Chloroform	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2,2-dichloropropane	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1,1-Trichloroethane	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1-dichloropropane	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Carbon tetrachloride	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Benzene	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2-Dichloroethane	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Dibromomethane	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromodichloromethane	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2-Dichloropropane	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Trichloroethene	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2-Chloroethylvinyl ether	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
cis-1,3-Dichloropropene	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
4-Methyl-2-pentanone	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
trans-1,3-Dichloropropene	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1,2-Trichloroethane	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Toluene	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2-Dibromoethane	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,3-Dichloropropane	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2-Hexanone	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Dibromochloromethane	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1

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Method Blank Report

Client ID	Ninyo & Moore
Workorder ID	Holland Oil
Laboratory ID	88031
Sample ID	MB for HBN 354265 [VMXV/3059]
Matrix	Soil

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
(continued)							
Tetrachloroethene	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1,1,2-Tetrachloroethane	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Chlorobenzene	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Ethylbenzene	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
m,p-Xylene	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromoform	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Styrene	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
o-Xylene	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,1,2,2-Tetrachloroethane	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2,3-Trichloropropane	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Isopropylbenzene	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Bromobenzene	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
n-Propylbenzene	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
2-Chlorotoluene	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
4-Chlorotoluene	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,3,5-Trimethylbenzene	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
tert-Butylbenzene	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2,4-Trimethylbenzene	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
sec-Butylbenzene	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,3-Dichlorobenzene	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,4-Dichlorobenzene	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
4-Isopropyltoluene	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2-Dichlorobenzene	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
n-Butylbenzene	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2-Dibromo-3-chloropropane	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2,4-Trichlorobenzene	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Naphthalene	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
Hexachlorobutadiene	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1
1,2,3-Trichlorobenzene	8260B	10/06/08	10/06/08	ND	2.0	ug/kg	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	47 ug/kg	94 %	(70 - 135)
Toluene d8	44 ug/kg	88 %	(70 - 135)

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Method Blank Report

Client ID Ninyo & Moore
Workorder ID Holland Oil
Laboratory ID 88031
Sample ID MB for HBN 354265 [VMXV/3059]
Matrix Soil

Surrogates	Result	Recovery	Limits
4-Bromofluorobenzene	47 ug/kg	94 %	(70 - 135)

Lab Control Sample Report

Client ID Ninyo & Moore
Workorder ID Holland Oil
Laboratory ID 88032
Sample ID LCS for HBN 354265 [VMXV/3059]
Matrix Soil

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
1,1-Dichloroethene	8260B	10/06/08	10/06/08	44	2.0	ug/kg	1:1
Benzene	8260B	10/06/08	10/06/08	51	2.0	ug/kg	1:1
Trichloroethene	8260B	10/06/08	10/06/08	47	2.0	ug/kg	1:1
Toluene	8260B	10/06/08	10/06/08	47	2.0	ug/kg	1:1
Chlorobenzene	8260B	10/06/08	10/06/08	50	2.0	ug/kg	1:1

Lab Control Sample Duplicate Report

Client ID Ninyo & Moore
Workorder ID Holland Oil
Laboratory ID 88033
Sample ID LCSD for HBN 354265 [VMXV/3059
Matrix Soil

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
1,1-Dichloroethene	8260B	10/06/08	10/06/08	49	2.0	ug/kg	1:1
Benzene	8260B	10/06/08	10/06/08	56	2.0	ug/kg	1:1
Trichloroethene	8260B	10/06/08	10/06/08	52	2.0	ug/kg	1:1
Toluene	8260B	10/06/08	10/06/08	55	2.0	ug/kg	1:1
Chlorobenzene	8260B	10/06/08	10/06/08	56	2.0	ug/kg	1:1

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Matrix Spike Report

Client ID Ninyo & Moore
Workorder ID Holland Oil
Laboratory ID 88034
Sample ID MS for HBN 354265 [VMXV/3059]
Matrix Soil

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
1,1-Dichloroethene	8260B	10/06/08	10/06/08	59	2.0	ug/kg	1:1
Benzene	8260B	10/06/08	10/06/08	51	2.0	ug/kg	1:1
Trichloroethene	8260B	10/06/08	10/06/08	48	2.0	ug/kg	1:1
Toluene	8260B	10/06/08	10/06/08	51	2.0	ug/kg	1:1
Chlorobenzene	8260B	10/06/08	10/06/08	47	2.0	ug/kg	1:1

Matrix Spike Duplicate Report

Client ID Ninyo & Moore
Workorder ID Holland Oil
Laboratory ID 88035
Sample ID MSD for HBN 354265 [VMXV/3059]
Matrix Soil

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
1,1-Dichloroethene	8260B	10/06/08	10/06/08	61	2.0	ug/kg	1:1
Benzene	8260B	10/06/08	10/06/08	51	2.0	ug/kg	1:1
Trichloroethene	8260B	10/06/08	10/06/08	52	2.0	ug/kg	1:1
Toluene	8260B	10/06/08	10/06/08	49	2.0	ug/kg	1:1
Chlorobenzene	8260B	10/06/08	10/06/08	50	2.0	ug/kg	1:1

Client ID Ninyo & Moore
Workorder ID Holland Oil
QC Batch SGX 2553
Matrix Soil
Original Samples 18627004
Matrix Spike [87843]
Matrix Spike Duplicate [87844]

Parameter	Spike %Recovery	Spike Dup %Recovery	Recovery Limits	RPD	RPD Limits
TPHdiesel	84	78	(65-135)	7.4	(20 MAX)

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QC SUMMARY

Client ID Ninyo & Moore
Workorder ID Holland Oil
QC Batch VGX 3077
Matrix Water
Original Samples 18627001
Matrix Spike [87904]
Matrix Spike Duplicate [87905]

Parameter	Spike %Recovery	Spike Dup %Recovery	Recovery Limits	RPD	RPD Limits
TPHgas	98	86	(65-135)	13	(20 MAX)

Client ID Ninyo & Moore
Workorder ID Holland Oil
QC Batch VGX 3078
Matrix Soil
Original Samples 18627004
Matrix Spike [87909]
Matrix Spike Duplicate [87910]

Parameter	Spike %Recovery	Spike Dup %Recovery	Recovery Limits	RPD	RPD Limits
TPHgas	97	91	(65-135)	6.4	(20 MAX)

Client ID Ninyo & Moore
Workorder ID Holland Oil
QC Batch VMX 3101
Matrix Water
Original Samples 18627003
Matrix Spike [88017]
Matrix Spike Duplicate [88018]

Parameter	Spike %Recovery	Spike Dup %Recovery	Recovery Limits	RPD	RPD Limits
1,1-Dichloroethene	110	96	(61-145)	14	(20 MAX)
Benzene	122	110	(76-127)	10	(20 MAX)
Trichloroethene	108	100	(71-135)	7.7	(20 MAX)
Toluene	116	106	(76-130)	9.0	(20 MAX)
Chlorobenzene	112	108	(75-130)	3.6	(20 MAX)

Client ID Ninyo & Moore
Workorder ID Holland Oil
QC Batch VMX 3102
Matrix Soil
Original Samples 18627004
Matrix Spike [88034]
Matrix Spike Duplicate [88035]

Parameter	Spike %Recovery	Spike Dup %Recovery	Recovery Limits	RPD	RPD Limits

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QC SUMMARY

Client ID Ninyo & Moore
Workorder ID Holland Oil
QC Batch VMX 3102
Matrix Soil
Original Samples 18627004
Matrix Spike [88034]
Matrix Spike Duplicate [88035]
(continued)

Parameter	Spike %Recovery	Spike Dup %Recovery	Recovery Limits	RPD	RPD Limits
1,1-Dichloroethene	118	122	(59-172)	3.3	(22 MAX)
Benzene	102	102	(62-142)	00	(24 MAX)
Trichloroethene	96	104	(60-137)	8.0	(21 MAX)
Toluene	102	98	(59-139)	4.0	(21 MAX)
Chlorobenzene	94	100	(66-133)	6.2	(21 MAX)

Client ID Ninyo & Moore
Workorder ID Holland Oil
QC Batch SGX 2553
Matrix Soil
Samples Lab Control Sample [87841]
Lab Control Sample Duplicate [87842]

Parameter	Check %Recovery	Check Dup %Recovery	Recovery Limits	RPD	RPD Limits
TPHdiesel	98	98	(65-135)	00	(20 MAX)

Client ID Ninyo & Moore
Workorder ID Holland Oil
QC Batch SGX 2554
Matrix Water
Samples Lab Control Sample [87846]
Lab Control Sample Duplicate [87847]

Parameter	Check %Recovery	Check Dup %Recovery	Recovery Limits	RPD	RPD Limits
TPHdiesel	94	91	(65-135)	3.2	(20 MAX)

Client ID Ninyo & Moore
Workorder ID Holland Oil
QC Batch VGX 3077
Matrix Water
Samples Lab Control Sample [87902]
Lab Control Sample Duplicate [87903]

Parameter	Check %Recovery	Check Dup %Recovery	Recovery Limits	RPD	RPD Limits

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QC SUMMARY

Client ID Ninyo & Moore
Workorder ID Holland Oil
QC Batch VGX 3077
Matrix Water
Samples Lab Control Sample [87902]
Lab Control Sample Duplicate [87903]
(continued)

Parameter	Check %Recovery	Check Dup %Recovery	Recovery Limits	RPD	RPD Limits
TPHgas	74	72	(65-135)	2.7	(20 MAX)

Client ID Ninyo & Moore
Workorder ID Holland Oil
QC Batch VGX 3078
Matrix Soil
Samples Lab Control Sample [87907]
Lab Control Sample Duplicate [87908]

Parameter	Check %Recovery	Check Dup %Recovery	Recovery Limits	RPD	RPD Limits
TPHgas	74	72	(65-135)	2.7	(20 MAX)

Client ID Ninyo & Moore
Workorder ID Holland Oil
QC Batch VMX 3101
Matrix Water
Samples Lab Control Sample [88015]
Lab Control Sample Duplicate [88016]

Parameter	Check %Recovery	Check Dup %Recovery	Recovery Limits	RPD	RPD Limits
1,1-Dichloroethene	88	98	(65-145)	11	(20 MAX)
Benzene	102	112	(71-127)	9.3	(20 MAX)
Trichloroethene	94	104	(75-135)	10	(20 MAX)
Toluene	94	110	(76-135)	16	(20 MAX)
Chlorobenzene	100	112	(76-135)	11	(20 MAX)

Client ID Ninyo & Moore
Workorder ID Holland Oil
QC Batch VMX 3102
Matrix Soil
Samples Lab Control Sample [88032]
Lab Control Sample Duplicate [88033]

Parameter	Check %Recovery	Check Dup %Recovery	Recovery Limits	RPD	RPD Limits

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QC SUMMARY

Client ID Ninyo & Moore
Workorder ID Holland Oil
QC Batch VMX 3102
Matrix Soil

Samples Lab Control Sample [88032]
Lab Control Sample Duplicate [88033]
(continued)

Parameter	Check %Recovery	Check Dup %Recovery	Recovery Limits	RPD	RPD Limits
1,1-Dichloroethene	88	98	(59-172)	11	(22 MAX)
Benzene	102	112	(62-142)	9.3	(24 MAX)
Trichloroethene	94	104	(60-137)	10	(21 MAX)
Toluene	94	110	(59-139)	16	(21 MAX)
Chlorobenzene	100	112	(66-133)	11	(21 MAX)

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3050 Fite Circle, #112 Sacramento, CA 95827
Phone: (916) 362-8947
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CHAIN OF CUSTODY RECORD
C.O.C. No. 22060
Page 1 **of** 2
STAL Invoice Number:

Company: Ninyo & Moore
Phone: 510-633-5640
Project Manager: Glenn Reiss
FAX: 510-633-5646
Report Address: 1956 Webster Street, Oakland CA, 94612
Billing Name & Address: same
Project Name: Holland Oil
Project/Job#: 401384002
Project Location: 16301 East 14th St.
P.O.#:

ANALYSIS REQUEST

REMARKS:

Sampler's Name: Cem Atalek

		All OK	None OK	Some OK
Cooler Temp.	°C			
Sample Condition				
pH				

WET(STLC)
TCLP

NO.	SAMPLE ID	Sampling: Date	Sampling: Time	Container: 40 mL VOA	Container: Brass Sleeve	Container: 1 L amber bottle	Container: 250 mL Plastic	Container: Other:	Preservative Used: HCl/HNO3/ICE	Preservative Used: None	Preservative Used: Other:	Matrix: Water	Matrix: Soil	Matrix: Air	Matrix: Other:
1	DB-1B	10/1/08	10:30	6		1			X	X		X			
2	DB-2	↓	11:45	↓		↓			↓	↓		↓			
3	DB-3		2:45	↓		↓			↓	↓		↓			
4	MW-9-2	↓	3:40						↓	↓			X		
5	MW-9-5		3:45							↓			↓		
6	MW-9-10	↓	3:50							↓			↓		
7	SB-9-2	10/2/08	1:00										X		
8	SB-9-5	↓	1:15										↓		
9	SB-9-10		1:30												
10	SB-10-2	↓	2:15						↓	↓		↓	↓		

NO.	SAMPLE ID	TCLP: BTEX (602/8020)503.1	TCLP: BTEX/TPHgas (602/8020/8015)MTBE	TCLP: TPHdiesel/TPHmotor oil/kerosene(8015)	TCLP: EPA 601/8010/502.2/504/8021	TCLP: EPA 602/8020	TCLP: EPA 608/8080 (Pesticides)/505/508	TCLP: EPA 608/8080 (PCB'S)	TCLP: EPA 624/8240/524.2/8260	TCLP: EPA 625/8270/525	TCLP: Total Oil & Grease (5520)	TCLP: Non-Polar O & G/TRPH (418.1)	TCLP: Organic Lead	TCLP: RCI	TCLP: VOCs (8260)	Total: CAM-17 Metals	Total: CAM-5 Metals (Cd, Cr, Pb, Ni, Zn)	Total: Lead	TAT: Standard	TAT: Rush Services (72hr / 48hr / 24hr / 12hr)	TAT: Holiday/Weekend Rush
1	DB-1B		X	X											X				X		
2	DB-2		↓	↓											↓				↓		
3	DB-3		↓	↓											↓				↓		
4	MW-9-2		↓	↓											↓				↓		
5	MW-9-5		↓	↓											↓				↓		
6	MW-9-10		↓	↓											↓				↓		
7	SB-9-2		X	X											X				X		
8	SB-9-5		↓	↓											↓				↓		
9	SB-9-10																				
10	SB-10-2		↓	↓											↓				↓		

Relinquished by:	Received by:	Relinquished by:	Received by:
Cem Atalek			
Date: 10/3/08 Time: 8:30	Date: 10/3/08 Time: 8:30	Date: Time:	Date: Time:

PLEASE READ REVERSE SIDE FOR TERMS AND CONDITIONS

Sparger Technology, Inc.
Environmental Laboratories

3738 Bradview Drive
Sacramento, CA 95827
Voice: (916) 369-7688
Fax: (916) 369-7689
Email: SPARGER@SPARGERTECHNOLOGY.COM

WORKORDER #:

REMARKS:

Chain of Custody and Analysis Request

Project Contact (Hardcopy and/or PDF to): Glenn Reiss

California EDF Report? ○ YES ⊘ NO

Company/Address: 1956 Webster St. Oakland, CA 94612

OPTIONAL
Sampling Company Log Code:

Phone #: 510-633-5640 | Fax #: 510-633-5646

Global ID:

Project #: 401314002 | P.O. #:

EDF Deliverable To (Email Address):

Project Name: Holland Oil

Sampler's Signature: | Sampler's Name (PRINT): Cem Atabek

Project Address: 16301 E. 14th St San Leandro

Sampling

NO.	SAMPLE ID	Date	Time	Container: 40 mL VOA	Container: SLEEVE	Container:	Container:	Container:	Preservative: HCL	Preservative: HNO_3	Preservative: ICE	Preservative: NONE	Matrix: WATER	Matrix: SOIL	Matrix:
1	SB-10-5	10/2/08	2:25											X	
2	SB-10-10	↓	2:35												
3	SB-11-3		3:00												
4	SB-11-8		3:15												
5	SB-11-11		3:30												
6	SB-12-2		3:45												
7	SB-12-5		4:00												
8	SB-12-10	↓	4:15								↓			↓	
9															
10															

Analysis Request

BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas/BTEX (8260B)	7 Oxygenates/TPH Gas/BTEX (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1,2 DCA & 1, 2 EDB - 8260B)	EPA 8260B (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421/239.2) Total (X) W.E.T (X)	VOCs (8260)			
	X	X											X			
	↓	↓											↓			

TAT

12 hr/ 24 hr/ 48 hr/ 72 hr/ 1 wk
X
↓

Relinquished By:	Date	Time
Cem Atabek	10/3/08	8:30

Relinquished By:	Date	Time
	10/3/08	8:30

Relinquished By:	Date	Time

Received By:	Date	Time

Distribution: (WHITE)-LAB, (YELLOW)-ORIGINATOR

Bill to:

PLEASE READ REVERSE SIDE FOR TERMS AND CONDITIONS

Torrent
LABORATORY, INC.

October 10, 2008

Cem Atabek
Ninyo & Moore
1956 Webster Street, Suite 400
Oakland, CA 94612

TEL: (510) 633-5640
FAX (510) 633-5647

RE: 16301 E.14th St.San Leandro

Order No.: 0810027

Dear Cem Atabek:

Torrent Laboratory, Inc. received 6 samples on 10/3/2008 for the analyses presented in the following report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.
Reported data is applicable for only the samples received as part of the order number referenced above.

Torrent Laboratory, Inc, is certified by the State of California, ELAP #1991. If you have any questions regarding these tests results, please feel free to contact the Project Management Team at (408)263-5258;ext: 204.

Sincerely,

Laboratory Director

10/10/08
Date

Torrent Laboratory, Inc.

Date: *04-Nov-08*

CLIENT: Ninyo & Moore
Project: 16301 E.14th St.San Leandro
Lab Order: 0810027

CASE NARRATIVE

Sample 003 reported to the MDL.

Rev1 (10/31/08)

TORRENT LABORATORY, INC.

483 Sinclair Frontage Road • Milpitas, CA • Phone: (408) 263-5258 • Fax: (408) 263-8293

Visit us at www.torrentlab.com email: analysis@torrentlab.com

Report prepared for: Cem Atabek
Ninyo & Moore

Date Received: 10/3/2008
Date Reported: 10/10/2008

Client Sample ID: SV-1
Sample Location: 16301 E.14th St.San Leandro
Sample Matrix: AIR
Date/Time Sampled 10/3/2008 9:43:00 AM

Lab Sample ID: 0810027-001
Date Prepared:

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
1,1 - Dichloroethene	TO-15	10/7/2008	1.99	1	2.0	ND	µg/m³	R17563
1,1,1,2-Tetrachloroethane	TO-15	10/7/2008	3.44	1	3.4	ND	µg/m³	R17563
1,1,1-Trichloroethane	TO-15	10/7/2008	2.73	1	2.7	ND	µg/m³	R17563
1,1,2,2-Tetrachloroethane	TO-15	10/7/2008	3.44	1	3.4	ND	µg/m³	R17563
1,1,2-Trichloroethane	TO-15	10/7/2008	2.73	1	2.7	ND	µg/m³	R17563
1,1-Dichloroethane	TO-15	10/7/2008	2.03	1	2.0	ND	µg/m³	R17563
1,1-Difluoroethane	TO-15	10/7/2008	27	1	27	ND	µg/m³	R17563
1,2,4-Trichlorobenzene	TO-15	10/7/2008	3.56	1	3.6	ND	µg/m³	R17563
1,2,4-Trimethylbenzene	TO-15	10/7/2008	2.46	1	2.5	ND	µg/m³	R17563
1,2-Dibromoethane(Ethylene dibromide)	TO-15	10/7/2008	3.84	1	3.8	ND	µg/m³	R17563
1,2-Dichlorobenzene	TO-15	10/7/2008	3.01	1	3.0	ND	µg/m³	R17563
1,2-Dichloroethane	TO-15	10/7/2008	2.03	1	2.0	ND	µg/m³	R17563
1,2-Dichloropropane	TO-15	10/7/2008	2.31	1	2.3	ND	µg/m³	R17563
1,3,5-Trimethylbenzene	TO-15	10/7/2008	2.46	1	2.5	ND	µg/m³	R17563
1,3-Butadiene	TO-15	10/7/2008	4.44	1	4.4	ND	µg/m³	R17563
1,3-Dichlorobenzene	TO-15	10/7/2008	3.01	1	3.0	ND	µg/m³	R17563
1,4-Dichlorobenzene	TO-15	10/7/2008	3.01	1	3.0	ND	µg/m³	R17563
1,4-Dioxane	TO-15	10/7/2008	1.8	1	1.8	ND	µg/m³	R17563
2-Butanone (MEK)	TO-15	10/7/2008	1.48	1	1.5	13	µg/m³	R17563
2-Hexanone	TO-15	10/7/2008	2.05	1	2.0	ND	µg/m³	R17563
4-Ethyl Toluene	TO-15	10/7/2008	2.46	1	2.5	ND	µg/m³	R17563
4-Methyl-2-Pentanone (MIBK)	TO-15	10/7/2008	2.05	1	2.0	ND	µg/m³	R17563
Acetone	TO-15	10/7/2008	9.52	1	9.5	59	µg/m³	R17563
Benzene	TO-15	10/7/2008	1.6	1	1.6	2.0	µg/m³	R17563
Bromodichloromethane	TO-15	10/7/2008	3.35	1	3.4	ND	µg/m³	R17563
Bromoform	TO-15	10/7/2008	5.17	1	5.2	ND	µg/m³	R17563
Bromomethane	TO-15	10/7/2008	1.94	1	1.9	ND	µg/m³	R17563
Carbon Disulfide	TO-15	10/7/2008	1.56	1	1.6	ND	µg/m³	R17563
Carbon Tetrachloride	TO-15	10/7/2008	3.15	1	3.2	ND	µg/m³	R17563
Chlorobenzene	TO-15	10/7/2008	2.3	1	2.3	ND	µg/m³	R17563
Chloroethane	TO-15	10/7/2008	1.32	1	1.3	ND	µg/m³	R17563
Chloroform	TO-15	10/7/2008	2.44	1	2.4	ND	µg/m³	R17563
Chloromethane	TO-15	10/7/2008	1.04	1	1.0	ND	µg/m³	R17563
cis-1,2-dichloroethene	TO-15	10/7/2008	1.98	1	2.0	ND	µg/m³	R17563
cis-1,3-Dichloropropene	TO-15	10/7/2008	2.27	1	2.3	ND	µg/m³	R17563
Dibromochloromethane	TO-15	10/7/2008	4.26	1	4.3	ND	µg/m³	R17563

These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991

Report prepared for: Cem Atabek
Ninyo & Moore

Date Received: 10/3/2008
Date Reported: 10/10/2008

Client Sample ID: SV-1
Sample Location: 16301 E.14th St.San Leandro
Sample Matrix: AIR
Date/Time Sampled 10/3/2008 9:43:00 AM

Lab Sample ID: 0810027-001
Date Prepared:

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Dichlorodifluoromethane	TO-15	10/7/2008	2.48	1	2.5	ND	µg/m³	R17563
Diisopropyl ether (DIPE)	TO-15	10/7/2008	2.09	1	2.1	ND	µg/m³	R17563
Ethyl Acetate	TO-15	10/7/2008	1.8	1	1.8	ND	µg/m³	R17563
Ethyl Benzene	TO-15	10/7/2008	2.17	1	2.2	ND	µg/m³	R17563
Ethyl tert-butyl ether (ETBE)	TO-15	10/7/2008	2.09	1	2.1	ND	µg/m³	R17563
Freon 113	TO-15	10/7/2008	3.83	1	3.8	ND	µg/m³	R17563
Hexachlorobutadiene	TO-15	10/7/2008	5.34	1	5.3	ND	µg/m³	R17563
Hexane	TO-15	10/7/2008	14.1	1	14	ND	µg/m³	R17563
Isopropanol	TO-15	10/7/2008	16.4	1	16	27	µg/m³	R17563
m,p-Xylene	TO-15	10/7/2008	2.05	1	2.0	11	µg/m³	R17563
Methylene Chloride	TO-15	10/7/2008	3.61	1	3.6	ND	µg/m³	R17563
MTBE	TO-15	10/7/2008	1.81	1	1.8	ND	µg/m³	R17563
Naphthalene	TO-15	10/7/2008	2.62	1	2.6	ND	µg/m³	R17563
o-xylene	TO-15	10/7/2008	2.17	1	2.2	ND	µg/m³	R17563
Styrene	TO-15	10/7/2008	2.13	1	2.1	ND	µg/m³	R17563
t-Butyl alcohol (t-Butanol)	TO-15	10/7/2008	6.06	1	6.1	ND	µg/m³	R17563
tert-Amyl methyl ether (TAME)	TO-15	10/7/2008	2.09	1	2.1	ND	µg/m³	R17563
Tetrachloroethene	TO-15	10/7/2008	3.39	1	3.4	ND	µg/m³	R17563
Toluene	TO-15	10/7/2008	1.89	1	1.9	15	µg/m³	R17563
trans-1,2-Dichloroethene	TO-15	10/7/2008	1.98	1	2.0	ND	µg/m³	R17563
Trichloroethene	TO-15	10/7/2008	2.69	1	2.7	ND	µg/m³	R17563
Trichlorofluoromethane	TO-15	10/7/2008	2.48	1	2.5	ND	µg/m³	R17563
Vinyl Acetate	TO-15	10/7/2008	1.76	1	1.8	ND	µg/m³	R17563
Vinyl Chloride	TO-15	10/7/2008	1.28	1	1.3	ND	µg/m³	R17563
Surr: 4-Bromofluorobenzene	TO-15	10/7/2008	0	1	65-135	90.6	%REC	R17563

These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991

Report prepared for: Cem Atabek
Ninyo & Moore

Date Received: 10/3/2008
Date Reported: 10/10/2008

Client Sample ID: SV-2
Sample Location: 16301 E.14th St.San Leandro
Sample Matrix: AIR
Date/Time Sampled 10/3/2008 9:50:00 AM

Lab Sample ID: 0810027-002
Date Prepared:

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
1,1 - Dichloroethene	TO-15	10/7/2008	1.99	1	2.0	ND	µg/m³	R17563
1,1,1,2-Tetrachloroethane	TO-15	10/7/2008	3.44	1	3.4	ND	µg/m³	R17563
1,1,1-Trichloroethane	TO-15	10/7/2008	2.73	1	2.7	ND	µg/m³	R17563
1,1,2,2-Tetrachloroethane	TO-15	10/7/2008	3.44	1	3.4	ND	µg/m³	R17563
1,1,2-Trichloroethane	TO-15	10/7/2008	2.73	1	2.7	ND	µg/m³	R17563
1,1-Dichloroethane	TO-15	10/7/2008	2.03	1	2.0	ND	µg/m³	R17563
1,1-Difluoroethane	TO-15	10/7/2008	27	1	27	ND	µg/m³	R17563
1,2,4-Trichlorobenzene	TO-15	10/7/2008	3.56	1	3.6	ND	µg/m³	R17563
1,2,4-Trimethylbenzene	TO-15	10/7/2008	2.46	1	2.5	ND	µg/m³	R17563
1,2-Dibromoethane(Ethylene dibromide)	TO-15	10/7/2008	3.84	1	3.8	ND	µg/m³	R17563
1,2-Dichlorobenzene	TO-15	10/7/2008	3.01	1	3.0	ND	µg/m³	R17563
1,2-Dichloroethane	TO-15	10/7/2008	2.03	1	2.0	ND	µg/m³	R17563
1,2-Dichloropropane	TO-15	10/7/2008	2.31	1	2.3	ND	µg/m³	R17563
1,3,5-Trimethylbenzene	TO-15	10/7/2008	2.46	1	2.5	ND	µg/m³	R17563
1,3-Butadiene	TO-15	10/7/2008	4.44	1	4.4	ND	µg/m³	R17563
1,3-Dichlorobenzene	TO-15	10/7/2008	3.01	1	3.0	ND	µg/m³	R17563
1,4-Dichlorobenzene	TO-15	10/7/2008	3.01	1	3.0	ND	µg/m³	R17563
1,4-Dioxane	TO-15	10/7/2008	1.8	1	1.8	ND	µg/m³	R17563
2-Butanone (MEK)	TO-15	10/7/2008	1.48	1	1.5	11	µg/m³	R17563
2-Hexanone	TO-15	10/7/2008	2.05	1	2.0	ND	µg/m³	R17563
4-Ethyl Toluene	TO-15	10/7/2008	2.46	1	2.5	ND	µg/m³	R17563
4-Methyl-2-Pentanone (MIBK)	TO-15	10/7/2008	2.05	1	2.0	ND	µg/m³	R17563
Acetone	TO-15	10/7/2008	9.52	1	9.5	95	µg/m³	R17563
Benzene	TO-15	10/7/2008	1.6	1	1.6	ND	µg/m³	R17563
Bromodichloromethane	TO-15	10/7/2008	3.35	1	3.4	ND	µg/m³	R17563
Bromoform	TO-15	10/7/2008	5.17	1	5.2	ND	µg/m³	R17563
Bromomethane	TO-15	10/7/2008	1.94	1	1.9	ND	µg/m³	R17563
Carbon Disulfide	TO-15	10/7/2008	1.56	1	1.6	4.6	µg/m³	R17563
Carbon Tetrachloride	TO-15	10/7/2008	3.15	1	3.2	ND	µg/m³	R17563
Chlorobenzene	TO-15	10/7/2008	2.3	1	2.3	ND	µg/m³	R17563
Chloroethane	TO-15	10/7/2008	1.32	1	1.3	ND	µg/m³	R17563
Chloroform	TO-15	10/7/2008	2.44	1	2.4	ND	µg/m³	R17563
Chloromethane	TO-15	10/7/2008	1.04	1	1.0	ND	µg/m³	R17563
cis-1,2-dichloroethene	TO-15	10/7/2008	1.98	1	2.0	ND	µg/m³	R17563
cis-1,3-Dichloropropene	TO-15	10/7/2008	2.27	1	2.3	ND	µg/m³	R17563
Dibromochloromethane	TO-15	10/7/2008	4.26	1	4.3	ND	µg/m³	R17563
Dichlorodifluoromethane	TO-15	10/7/2008	2.48	1	2.5	ND	µg/m³	R17563
Diisopropyl ether (DIPE)	TO-15	10/7/2008	2.09	1	2.1	ND	µg/m³	R17563
Ethyl Acetate	TO-15	10/7/2008	1.8	1	1.8	ND	µg/m³	R17563
Ethyl Benzene	TO-15	10/7/2008	2.17	1	2.2	ND	µg/m³	R17563
Ethyl tert-butyl ether (ETBE)	TO-15	10/7/2008	2.09	1	2.1	ND	µg/m³	R17563
Freon 113	TO-15	10/7/2008	3.83	1	3.8	ND	µg/m³	R17563
Hexachlorobutadiene	TO-15	10/7/2008	5.34	1	5.3	ND	µg/m³	R17563

These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991

Report prepared for: Cem Atabek
Ninyo & Moore

Date Received: 10/3/2008
Date Reported: 10/10/2008

Client Sample ID: SV-2
Sample Location: 16301 E.14th St.San Leandro
Sample Matrix: AIR
Date/Time Sampled 10/3/2008 9:50:00 AM

Lab Sample ID: 0810027-002
Date Prepared:

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Hexane	TO-15	10/7/2008	14.1	1	14	ND	µg/m³	R17563
Isopropanol	TO-15	10/7/2008	16.4	1	16	ND	µg/m³	R17563
m,p-Xylene	TO-15	10/7/2008	2.05	1	2.0	17	µg/m³	R17563
Methylene Chloride	TO-15	10/7/2008	3.61	1	3.6	ND	µg/m³	R17563
MTBE	TO-15	10/7/2008	1.81	1	1.8	ND	µg/m³	R17563
Naphthalene	TO-15	10/7/2008	2.62	1	2.6	ND	µg/m³	R17563
o-xylene	TO-15	10/7/2008	2.17	1	2.2	ND	µg/m³	R17563
Styrene	TO-15	10/7/2008	2.13	1	2.1	ND	µg/m³	R17563
t-Butyl alcohol (t-Butanol)	TO-15	10/7/2008	6.06	1	6.1	ND	µg/m³	R17563
tert-Amyl methyl ether (TAME)	TO-15	10/7/2008	2.09	1	2.1	ND	µg/m³	R17563
Tetrachloroethene	TO-15	10/7/2008	3.39	1	3.4	ND	µg/m³	R17563
Toluene	TO-15	10/7/2008	1.89	1	1.9	16	µg/m³	R17563
trans-1,2-Dichloroethene	TO-15	10/7/2008	1.98	1	2.0	ND	µg/m³	R17563
Trichloroethene	TO-15	10/7/2008	2.69	1	2.7	ND	µg/m³	R17563
Trichlorofluoromethane	TO-15	10/7/2008	2.48	1	2.5	ND	µg/m³	R17563
Vinyl Acetate	TO-15	10/7/2008	1.76	1	1.8	ND	µg/m³	R17563
Vinyl Chloride	TO-15	10/7/2008	1.28	1	1.3	ND	µg/m³	R17563
Surr: 4-Bromofluorobenzene	TO-15	10/7/2008	0	1	65-135	90.6	%REC	R17563

These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991

Report prepared for: Cem Atabek
Ninyo & Moore

Date Received: 10/3/2008
Date Reported: 10/10/2008

Client Sample ID: SV-3
Sample Location: 16301 E.14th St.San Leandro
Sample Matrix: AIR
Date/Time Sampled 10/3/2008 9:56:00 AM

Lab Sample ID: 0810027-003
Date Prepared:

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
1,1 - Dichloroethene	TO-15	10/6/2008	0.794	50	40	ND	µg/m³	R17563
1,1,1,2-Tetrachloroethane	TO-15	10/6/2008	0.687	50	34	ND	µg/m³	R17563
1,1,1-Trichloroethane	TO-15	10/6/2008	0.819	50	41	ND	µg/m³	R17563
1,1,2,2-Tetrachloroethane	TO-15	10/6/2008	1.0305	50	52	ND	µg/m³	R17563
1,1,2-Trichloroethane	TO-15	10/6/2008	1.0374	50	52	ND	µg/m³	R17563
1,1-Dichloroethane	TO-15	10/6/2008	0.6885	50	34	ND	µg/m³	R17563
1,1-Difluoroethane	TO-15	10/6/2008	27	50	1400	ND	µg/m³	R17563
1,2,4-Trichlorobenzene	TO-15	10/6/2008	0.4984	50	25	ND	µg/m³	R17563
1,2,4-Trimethylbenzene	TO-15	10/6/2008	0.8856	50	44	ND	µg/m³	R17563
1,2-Dibromoethane(Ethylene dibromide)	TO-15	10/6/2008	1.0752	50	54	ND	µg/m³	R17563
1,2-Dichlorobenzene	TO-15	10/6/2008	0.601	50	30	ND	µg/m³	R17563
1,2-Dichloroethane	TO-15	10/6/2008	0.648	50	32	ND	µg/m³	R17563
1,2-Dichloropropane	TO-15	10/6/2008	1.0164	50	51	ND	µg/m³	R17563
1,3,5-Trimethylbenzene	TO-15	10/6/2008	0.6888	50	34	ND	µg/m³	R17563
1,3-Butadiene	TO-15	10/6/2008	0.5967	50	30	ND	µg/m³	R17563
1,3-Dichlorobenzene	TO-15	10/6/2008	0.3606	50	18	ND	µg/m³	R17563
1,4-Dichlorobenzene	TO-15	10/6/2008	0.6611	50	33	ND	µg/m³	R17563
1,4-Dioxane	TO-15	10/6/2008	0.504	50	25	ND	µg/m³	R17563
2-Butanone (MEK)	TO-15	10/6/2008	0.4425	50	22	ND	µg/m³	R17563
2-Hexanone	TO-15	10/6/2008	0.861	50	43	ND	µg/m³	R17563
4-Ethyl Toluene	TO-15	10/6/2008	0.738	50	37	ND	µg/m³	R17563
4-Methyl-2-Pentanone (MIBK)	TO-15	10/6/2008	0.656	50	33	ND	µg/m³	R17563
Acetone	TO-15	10/6/2008	0.5712	50	29	610	µg/m³	R17563
Benzene	TO-15	10/6/2008	0.8932	50	45	ND	µg/m³	R17563
Bromodichloromethane	TO-15	10/6/2008	0.871	50	44	ND	µg/m³	R17563
Bromoform	TO-15	10/6/2008	1.7578	50	88	ND	µg/m³	R17563
Bromomethane	TO-15	10/6/2008	0.776	50	39	ND	µg/m³	R17563
Carbon Disulfide	TO-15	10/6/2008	0.4976	50	25	ND	µg/m³	R17563
Carbon Tetrachloride	TO-15	10/6/2008	0.9435	50	47	ND	µg/m³	R17563
Chlorobenzene	TO-15	10/6/2008	0.4232	50	21	ND	µg/m³	R17563
Chloroethane	TO-15	10/6/2008	0.396	50	20	ND	µg/m³	R17563
Chloroform	TO-15	10/6/2008	1.952	50	98	ND	µg/m³	R17563
Chloromethane	TO-15	10/6/2008	0.7245	50	36	ND	µg/m³	R17563
cis-1,2-dichloroethene	TO-15	10/6/2008	0.5544	50	28	ND	µg/m³	R17563
cis-1,3-Dichloropropene	TO-15	10/6/2008	0.3632	50	18	ND	µg/m³	R17563
Dibromochloromethane	TO-15	10/6/2008	0.9372	50	47	ND	µg/m³	R17563
Dichlorodifluoromethane	TO-15	10/6/2008	0.7425	50	37	ND	µg/m³	R17563
Diisopropyl ether (DIPE)	TO-15	10/6/2008	0.6688	50	33	ND	µg/m³	R17563
Ethyl Acetate	TO-15	10/6/2008	0.4248	50	21	ND	µg/m³	R17563
Ethyl Benzene	TO-15	10/6/2008	0.31062	50	16	ND	µg/m³	R17563
Ethyl tert-butyl ether (ETBE)	TO-15	10/6/2008	0.6688	50	33	ND	µg/m³	R17563
Freon 113	TO-15	10/6/2008	0.9192	50	46	ND	µg/m³	R17563
Hexachlorobutadiene	TO-15	10/6/2008	1.8139	50	91	ND	µg/m³	R17563

These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991

Report prepared for: Cem Atabek
Ninyo & Moore

Date Received: 10/3/2008
Date Reported: 10/10/2008

Client Sample ID: SV-3
Sample Location: 16301 E.14th St.San Leandro
Sample Matrix: AIR
Date/Time Sampled 10/3/2008 9:56:00 AM

Lab Sample ID: 0810027-003
Date Prepared:

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Hexane	TO-15	10/6/2008	1.7952	50	90	ND	µg/m³	R17563
Isopropanol	TO-15	10/6/2008	1.6359	50	82	ND	µg/m³	R17563
m,p-Xylene	TO-15	10/6/2008	0.492	50	25	ND	µg/m³	R17563
Methylene Chloride	TO-15	10/6/2008	0.6859	50	34	ND	µg/m³	R17563
MTBE	TO-15	10/6/2008	0.5054	50	25	ND	µg/m³	R17563
Naphthalene	TO-15	10/6/2008	2.62	50	130	ND	µg/m³	R17563
o-xylene	TO-15	10/6/2008	0.62062	50	31	ND	µg/m³	R17563
Styrene	TO-15	10/6/2008	0.639	50	32	ND	µg/m³	R17563
t-Butyl alcohol (t-Butanol)	TO-15	10/6/2008	0.4898	50	24	ND	µg/m³	R17563
tert-Amyl methyl ether (TAME)	TO-15	10/6/2008	0.6688	50	33	ND	µg/m³	R17563
Tetrachloroethene	TO-15	10/6/2008	1.2882	50	64	ND	µg/m³	R17563
Toluene	TO-15	10/6/2008	0.5278	50	26	ND	µg/m³	R17563
trans-1,2-Dichloroethene	TO-15	10/6/2008	0.5544	50	28	ND	µg/m³	R17563
Trichloroethene	TO-15	10/6/2008	0.52626	50	26	ND	µg/m³	R17563
Trichlorofluoromethane	TO-15	10/6/2008	0.693	50	35	ND	µg/m³	R17563
Vinyl Acetate	TO-15	10/6/2008	0.64064	50	32	ND	µg/m³	R17563
Vinyl Chloride	TO-15	10/6/2008	0.24832	50	12	ND	µg/m³	R17563
Surr: 4-Bromofluorobenzene	TO-15	10/6/2008	0	50	65-135	104	%REC	R17563

Note: The reporting limits were raised due to the high concentration of non-target compounds.All compounds reported to the MDL

These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991

Report prepared for: Cem Atabek
Ninyo & Moore

Date Received: 10/3/2008
Date Reported: 10/10/2008

Client Sample ID: SV-4
Sample Location: 16301 E.14th St.San Leandro
Sample Matrix: AIR
Date/Time Sampled 10/3/2008 11:23:00 AM

Lab Sample ID: 0810027-004
Date Prepared:

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
1,1 - Dichloroethene	TO-15	10/7/2008	1.99	1	2.0	ND	µg/m³	R17563
1,1,1,2-Tetrachloroethane	TO-15	10/7/2008	3.44	1	3.4	ND	µg/m³	R17563
1,1,1-Trichloroethane	TO-15	10/7/2008	2.73	1	2.7	ND	µg/m³	R17563
1,1,2,2-Tetrachloroethane	TO-15	10/7/2008	3.44	1	3.4	ND	µg/m³	R17563
1,1,2-Trichloroethane	TO-15	10/7/2008	2.73	1	2.7	ND	µg/m³	R17563
1,1-Dichloroethane	TO-15	10/7/2008	2.03	1	2.0	ND	µg/m³	R17563
1,1-Difluoroethane	TO-15	10/7/2008	27	1	27	ND	µg/m³	R17563
1,2,4-Trichlorobenzene	TO-15	10/7/2008	3.56	1	3.6	ND	µg/m³	R17563
1,2,4-Trimethylbenzene	TO-15	10/7/2008	2.46	1	2.5	ND	µg/m³	R17563
1,2-Dibromoethane(Ethylene dibromide)	TO-15	10/7/2008	3.84	1	3.8	ND	µg/m³	R17563
1,2-Dichlorobenzene	TO-15	10/7/2008	3.01	1	3.0	ND	µg/m³	R17563
1,2-Dichloroethane	TO-15	10/7/2008	2.03	1	2.0	ND	µg/m³	R17563
1,2-Dichloropropane	TO-15	10/7/2008	2.31	1	2.3	ND	µg/m³	R17563
1,3,5-Trimethylbenzene	TO-15	10/7/2008	2.46	1	2.5	ND	µg/m³	R17563
1,3-Butadiene	TO-15	10/7/2008	4.44	1	4.4	ND	µg/m³	R17563
1,3-Dichlorobenzene	TO-15	10/7/2008	3.01	1	3.0	ND	µg/m³	R17563
1,4-Dichlorobenzene	TO-15	10/7/2008	3.01	1	3.0	ND	µg/m³	R17563
1,4-Dioxane	TO-15	10/7/2008	1.8	1	1.8	ND	µg/m³	R17563
2-Butanone (MEK)	TO-15	10/7/2008	1.48	1	1.5	4.3	µg/m³	R17563
2-Hexanone	TO-15	10/7/2008	2.05	1	2.0	ND	µg/m³	R17563
4-Ethyl Toluene	TO-15	10/7/2008	2.46	1	2.5	ND	µg/m³	R17563
4-Methyl-2-Pentanone (MIBK)	TO-15	10/7/2008	2.05	1	2.0	ND	µg/m³	R17563
Acetone	TO-15	10/7/2008	9.52	1	9.5	86	µg/m³	R17563
Benzene	TO-15	10/7/2008	1.6	1	1.6	ND	µg/m³	R17563
Bromodichloromethane	TO-15	10/7/2008	3.35	1	3.4	ND	µg/m³	R17563
Bromoform	TO-15	10/7/2008	5.17	1	5.2	ND	µg/m³	R17563
Bromomethane	TO-15	10/7/2008	1.94	1	1.9	ND	µg/m³	R17563
Carbon Disulfide	TO-15	10/7/2008	1.56	1	1.6	ND	µg/m³	R17563
Carbon Tetrachloride	TO-15	10/7/2008	3.15	1	3.2	ND	µg/m³	R17563
Chlorobenzene	TO-15	10/7/2008	2.3	1	2.3	ND	µg/m³	R17563
Chloroethane	TO-15	10/7/2008	1.32	1	1.3	ND	µg/m³	R17563
Chloroform	TO-15	10/7/2008	2.44	1	2.4	ND	µg/m³	R17563
Chloromethane	TO-15	10/7/2008	1.04	1	1.0	ND	µg/m³	R17563
cis-1,2-dichloroethene	TO-15	10/7/2008	1.98	1	2.0	ND	µg/m³	R17563
cis-1,3-Dichloropropene	TO-15	10/7/2008	2.27	1	2.3	ND	µg/m³	R17563
Dibromochloromethane	TO-15	10/7/2008	4.26	1	4.3	ND	µg/m³	R17563
Dichlorodifluoromethane	TO-15	10/7/2008	2.48	1	2.5	ND	µg/m³	R17563
Diisopropyl ether (DIPE)	TO-15	10/7/2008	2.09	1	2.1	ND	µg/m³	R17563
Ethyl Acetate	TO-15	10/7/2008	1.8	1	1.8	ND	µg/m³	R17563
Ethyl Benzene	TO-15	10/7/2008	2.17	1	2.2	ND	µg/m³	R17563
Ethyl tert-butyl ether (ETBE)	TO-15	10/7/2008	2.09	1	2.1	ND	µg/m³	R17563
Freon 113	TO-15	10/7/2008	3.83	1	3.8	ND	µg/m³	R17563
Hexachlorobutadiene	TO-15	10/7/2008	5.34	1	5.3	ND	µg/m³	R17563

These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991

Report prepared for: Cem Atabek
Ninyo & Moore

Date Received: 10/3/2008
Date Reported: 10/10/2008

Client Sample ID: SV-4
Sample Location: 16301 E.14th St.San Leandro
Sample Matrix: AIR
Date/Time Sampled 10/3/2008 11:23:00 AM

Lab Sample ID: 0810027-004
Date Prepared:

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Hexane	TO-15	10/7/2008	14.1	1	14	ND	µg/m³	R17563
Isopropanol	TO-15	10/7/2008	16.4	1	16	ND	µg/m³	R17563
m,p-Xylene	TO-15	10/7/2008	2.05	1	2.0	ND	µg/m³	R17563
Methylene Chloride	TO-15	10/7/2008	3.61	1	3.6	ND	µg/m³	R17563
MTBE	TO-15	10/7/2008	1.81	1	1.8	ND	µg/m³	R17563
Naphthalene	TO-15	10/7/2008	2.62	1	2.6	ND	µg/m³	R17563
o-xylene	TO-15	10/7/2008	2.17	1	2.2	ND	µg/m³	R17563
Styrene	TO-15	10/7/2008	2.13	1	2.1	ND	µg/m³	R17563
t-Butyl alcohol (t-Butanol)	TO-15	10/7/2008	6.06	1	6.1	ND	µg/m³	R17563
tert-Amyl methyl ether (TAME)	TO-15	10/7/2008	2.09	1	2.1	ND	µg/m³	R17563
Tetrachloroethene	TO-15	10/7/2008	3.39	1	3.4	ND	µg/m³	R17563
Toluene	TO-15	10/7/2008	1.89	1	1.9	3.2	µg/m³	R17563
trans-1,2-Dichloroethene	TO-15	10/7/2008	1.98	1	2.0	ND	µg/m³	R17563
Trichloroethene	TO-15	10/7/2008	2.69	1	2.7	ND	µg/m³	R17563
Trichlorofluoromethane	TO-15	10/7/2008	2.48	1	2.5	ND	µg/m³	R17563
Vinyl Acetate	TO-15	10/7/2008	1.76	1	1.8	ND	µg/m³	R17563
Vinyl Chloride	TO-15	10/7/2008	1.28	1	1.3	ND	µg/m³	R17563
Surr: 4-Bromofluorobenzene	TO-15	10/7/2008	0	1	65-135	94.8	%REC	R17563

These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991

Report prepared for: Cem Atabek
Ninyo & Moore

Date Received: 10/3/2008
Date Reported: 10/10/2008

Client Sample ID: SV-5
Sample Location: 16301 E.14th St.San Leandro
Sample Matrix: AIR
Date/Time Sampled 10/3/2008 12:12:00 PM

Lab Sample ID: 0810027-005
Date Prepared:

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
1,1 - Dichloroethene	TO-15	10/7/2008	1.99	1	2.0	ND	µg/m³	R17563
1,1,1,2-Tetrachloroethane	TO-15	10/7/2008	3.44	1	3.4	ND	µg/m³	R17563
1,1,1-Trichloroethane	TO-15	10/7/2008	2.73	1	2.7	ND	µg/m³	R17563
1,1,2,2-Tetrachloroethane	TO-15	10/7/2008	3.44	1	3.4	ND	µg/m³	R17563
1,1,2-Trichloroethane	TO-15	10/7/2008	2.73	1	2.7	ND	µg/m³	R17563
1,1-Dichloroethane	TO-15	10/7/2008	2.03	1	2.0	ND	µg/m³	R17563
1,1-Difluoroethane	TO-15	10/7/2008	27	1	27	ND	µg/m³	R17563
1,2,4-Trichlorobenzene	TO-15	10/7/2008	3.56	1	3.6	ND	µg/m³	R17563
1,2,4-Trimethylbenzene	TO-15	10/7/2008	2.46	1	2.5	ND	µg/m³	R17563
1,2-Dibromoethane(Ethylene dibromide)	TO-15	10/7/2008	3.84	1	3.8	ND	µg/m³	R17563
1,2-Dichlorobenzene	TO-15	10/7/2008	3.01	1	3.0	ND	µg/m³	R17563
1,2-Dichloroethane	TO-15	10/7/2008	2.03	1	2.0	ND	µg/m³	R17563
1,2-Dichloropropane	TO-15	10/7/2008	2.31	1	2.3	ND	µg/m³	R17563
1,3,5-Trimethylbenzene	TO-15	10/7/2008	2.46	1	2.5	ND	µg/m³	R17563
1,3-Butadiene	TO-15	10/7/2008	4.44	1	4.4	ND	µg/m³	R17563
1,3-Dichlorobenzene	TO-15	10/7/2008	3.01	1	3.0	ND	µg/m³	R17563
1,4-Dichlorobenzene	TO-15	10/7/2008	3.01	1	3.0	ND	µg/m³	R17563
1,4-Dioxane	TO-15	10/7/2008	1.8	1	1.8	ND	µg/m³	R17563
2-Butanone (MEK)	TO-15	10/7/2008	1.48	1	1.5	6.2	µg/m³	R17563
2-Hexanone	TO-15	10/7/2008	2.05	1	2.0	ND	µg/m³	R17563
4-Ethyl Toluene	TO-15	10/7/2008	2.46	1	2.5	ND	µg/m³	R17563
4-Methyl-2-Pentanone (MIBK)	TO-15	10/7/2008	2.05	1	2.0	ND	µg/m³	R17563
Acetone	TO-15	10/7/2008	9.52	1	9.5	54	µg/m³	R17563
Benzene	TO-15	10/7/2008	1.6	1	1.6	ND	µg/m³	R17563
Bromodichloromethane	TO-15	10/7/2008	3.35	1	3.4	ND	µg/m³	R17563
Bromoform	TO-15	10/7/2008	5.17	1	5.2	ND	µg/m³	R17563
Bromomethane	TO-15	10/7/2008	1.94	1	1.9	ND	µg/m³	R17563
Carbon Disulfide	TO-15	10/7/2008	1.56	1	1.6	ND	µg/m³	R17563
Carbon Tetrachloride	TO-15	10/7/2008	3.15	1	3.2	ND	µg/m³	R17563
Chlorobenzene	TO-15	10/7/2008	2.3	1	2.3	ND	µg/m³	R17563
Chloroethane	TO-15	10/7/2008	1.32	1	1.3	ND	µg/m³	R17563
Chloroform	TO-15	10/7/2008	2.44	1	2.4	ND	µg/m³	R17563
Chloromethane	TO-15	10/7/2008	1.04	1	1.0	ND	µg/m³	R17563
cis-1,2-dichloroethene	TO-15	10/7/2008	1.98	1	2.0	ND	µg/m³	R17563
cis-1,3-Dichloropropene	TO-15	10/7/2008	2.27	1	2.3	ND	µg/m³	R17563
Dibromochloromethane	TO-15	10/7/2008	4.26	1	4.3	ND	µg/m³	R17563
Dichlorodifluoromethane	TO-15	10/7/2008	2.48	1	2.5	ND	µg/m³	R17563
Diisopropyl ether (DIPE)	TO-15	10/7/2008	2.09	1	2.1	ND	µg/m³	R17563
Ethyl Acetate	TO-15	10/7/2008	1.8	1	1.8	ND	µg/m³	R17563
Ethyl Benzene	TO-15	10/7/2008	2.17	1	2.2	ND	µg/m³	R17563
Ethyl tert-butyl ether (ETBE)	TO-15	10/7/2008	2.09	1	2.1	ND	µg/m³	R17563
Freon 113	TO-15	10/7/2008	3.83	1	3.8	ND	µg/m³	R17563
Hexachlorobutadiene	TO-15	10/7/2008	5.34	1	5.3	ND	µg/m³	R17563

These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991

Report prepared for: Cem Atabek
Ninyo & Moore

Date Received: 10/3/2008
Date Reported: 10/10/2008

Client Sample ID: SV-5
Sample Location: 16301 E.14th St.San Leandro
Sample Matrix: AIR
Date/Time Sampled 10/3/2008 12:12:00 PM

Lab Sample ID: 0810027-005
Date Prepared:

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Hexane	TO-15	10/7/2008	14.1	1	14	ND	µg/m³	R17563
Isopropanol	TO-15	10/7/2008	16.4	1	16	ND	µg/m³	R17563
m,p-Xylene	TO-15	10/7/2008	2.05	1	2.0	11	µg/m³	R17563
Methylene Chloride	TO-15	10/7/2008	3.61	1	3.6	ND	µg/m³	R17563
MTBE	TO-15	10/7/2008	1.81	1	1.8	ND	µg/m³	R17563
Naphthalene	TO-15	10/7/2008	2.62	1	2.6	ND	µg/m³	R17563
o-xylene	TO-15	10/7/2008	2.17	1	2.2	ND	µg/m³	R17563
Styrene	TO-15	10/7/2008	2.13	1	2.1	ND	µg/m³	R17563
t-Butyl alcohol (t-Butanol)	TO-15	10/7/2008	6.06	1	6.1	ND	µg/m³	R17563
tert-Amyl methyl ether (TAME)	TO-15	10/7/2008	2.09	1	2.1	ND	µg/m³	R17563
Tetrachloroethene	TO-15	10/7/2008	3.39	1	3.4	ND	µg/m³	R17563
Toluene	TO-15	10/7/2008	1.89	1	1.9	19	µg/m³	R17563
trans-1,2-Dichloroethene	TO-15	10/7/2008	1.98	1	2.0	ND	µg/m³	R17563
Trichloroethene	TO-15	10/7/2008	2.69	1	2.7	ND	µg/m³	R17563
Trichlorofluoromethane	TO-15	10/7/2008	2.48	1	2.5	ND	µg/m³	R17563
Vinyl Acetate	TO-15	10/7/2008	1.76	1	1.8	ND	µg/m³	R17563
Vinyl Chloride	TO-15	10/7/2008	1.28	1	1.3	ND	µg/m³	R17563
Surr: 4-Bromofluorobenzene	TO-15	10/7/2008	0	1	65-135	89.5	%REC	R17563

These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991

Report prepared for: Cem Atabek
Ninyo & Moore

Date Received: 10/3/2008
Date Reported: 10/10/2008

Client Sample ID: SV-6
Sample Location: 16301 E.14th St.San Leandro
Sample Matrix: AIR
Date/Time Sampled 10/3/2008 12:49:00 PM

Lab Sample ID: 0810027-006
Date Prepared:

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
1,1 - Dichloroethene	TO-15	10/7/2008	1.99	5	10	ND	µg/m³	R17563
1,1,1,2-Tetrachloroethane	TO-15	10/7/2008	3.44	50	170	ND	µg/m³	R17563
1,1,1-Trichloroethane	TO-15	10/7/2008	2.73	5	14	ND	µg/m³	R17563
1,1,2,2-Tetrachloroethane	TO-15	10/7/2008	3.44	50	170	ND	µg/m³	R17563
1,1,2-Trichloroethane	TO-15	10/7/2008	2.73	5	14	ND	µg/m³	R17563
1,1-Dichloroethane	TO-15	10/7/2008	2.03	5	10	ND	µg/m³	R17563
1,1-Difluoroethane	TO-15	10/7/2008	27	5	140	ND	µg/m³	R17563
1,2,4-Trichlorobenzene	TO-15	10/7/2008	3.56	50	180	ND	µg/m³	R17563
1,2,4-Trimethylbenzene	TO-15	10/7/2008	2.46	50	120	ND	µg/m³	R17563
1,2-Dibromoethane(Ethylene dibromide)	TO-15	10/7/2008	3.84	5	19	ND	µg/m³	R17563
1,2-Dichlorobenzene	TO-15	10/7/2008	3.01	50	150	ND	µg/m³	R17563
1,2-Dichloroethane	TO-15	10/7/2008	2.03	5	10	ND	µg/m³	R17563
1,2-Dichloropropane	TO-15	10/7/2008	2.31	5	12	ND	µg/m³	R17563
1,3,5-Trimethylbenzene	TO-15	10/7/2008	2.46	50	120	ND	µg/m³	R17563
1,3-Butadiene	TO-15	10/7/2008	4.44	5	22	ND	µg/m³	R17563
1,3-Dichlorobenzene	TO-15	10/7/2008	3.01	50	150	ND	µg/m³	R17563
1,4-Dichlorobenzene	TO-15	10/7/2008	3.01	50	150	ND	µg/m³	R17563
1,4-Dioxane	TO-15	10/7/2008	1.8	5	9.0	ND	µg/m³	R17563
2-Butanone (MEK)	TO-15	10/7/2008	1.48	5	7.4	ND	µg/m³	R17563
2-Hexanone	TO-15	10/7/2008	2.05	5	10	ND	µg/m³	R17563
4-Ethyl Toluene	TO-15	10/7/2008	2.46	50	120	ND	µg/m³	R17563
4-Methyl-2-Pentanone (MIBK)	TO-15	10/7/2008	2.05	5	10	ND	µg/m³	R17563
Acetone	TO-15	10/7/2008	9.52	5	48	460	µg/m³	R17563
Benzene	TO-15	10/7/2008	1.6	5	8.0	ND	µg/m³	R17563
Bromodichloromethane	TO-15	10/7/2008	3.35	5	17	ND	µg/m³	R17563
Bromoform	TO-15	10/7/2008	5.17	50	260	ND	µg/m³	R17563
Bromomethane	TO-15	10/7/2008	1.94	5	9.7	ND	µg/m³	R17563
Carbon Disulfide	TO-15	10/7/2008	1.56	5	7.8	ND	µg/m³	R17563
Carbon Tetrachloride	TO-15	10/7/2008	3.15	5	16	ND	µg/m³	R17563
Chlorobenzene	TO-15	10/7/2008	2.3	50	120	ND	µg/m³	R17563
Chloroethane	TO-15	10/7/2008	1.32	5	6.6	ND	µg/m³	R17563
Chloroform	TO-15	10/7/2008	2.44	5	12	ND	µg/m³	R17563
Chloromethane	TO-15	10/7/2008	1.04	5	5.2	ND	µg/m³	R17563
cis-1,2-dichloroethene	TO-15	10/7/2008	1.98	5	9.9	ND	µg/m³	R17563
cis-1,3-Dichloropropene	TO-15	10/7/2008	2.27	5	11	ND	µg/m³	R17563
Dibromochloromethane	TO-15	10/7/2008	4.26	5	21	ND	µg/m³	R17563
Dichlorodifluoromethane	TO-15	10/7/2008	2.48	5	12	ND	µg/m³	R17563
Diisopropyl ether (DIPE)	TO-15	10/7/2008	2.09	5	10	ND	µg/m³	R17563
Ethyl Acetate	TO-15	10/7/2008	1.8	5	9.0	ND	µg/m³	R17563
Ethyl Benzene	TO-15	10/7/2008	2.17	50	110	ND	µg/m³	R17563
Ethyl tert-butyl ether (ETBE)	TO-15	10/7/2008	2.09	5	10	ND	µg/m³	R17563
Freon 113	TO-15	10/7/2008	3.83	5	19	ND	µg/m³	R17563
Hexachlorobutadiene	TO-15	10/7/2008	5.34	50	270	ND	µg/m³	R17563

These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991

Report prepared for: Cem Atabek
Ninyo & Moore

Date Received: 10/3/2008
Date Reported: 10/10/2008

Client Sample ID: SV-6
Sample Location: 16301 E.14th St.San Leandro
Sample Matrix: AIR
Date/Time Sampled 10/3/2008 12:49:00 PM

Lab Sample ID: 0810027-006
Date Prepared:

Parameters	Analysis Method	Date Analyzed	RL	Dilution Factor	MRL	Result	Units	Analytical Batch
Hexane	TO-15	10/7/2008	14.1	5	70	ND	µg/m³	R17563
Isopropanol	TO-15	10/7/2008	16.4	5	82	ND	µg/m³	R17563
m,p-Xylene	TO-15	10/7/2008	2.05	50	100	ND	µg/m³	R17563
Methylene Chloride	TO-15	10/7/2008	3.61	5	18	ND	µg/m³	R17563
MTBE	TO-15	10/7/2008	1.81	5	9.0	50	µg/m³	R17563
Naphthalene	TO-15	10/7/2008	2.62	50	130	ND	µg/m³	R17563
o-xylene	TO-15	10/7/2008	2.17	50	110	ND	µg/m³	R17563
Styrene	TO-15	10/7/2008	2.13	50	110	ND	µg/m³	R17563
t-Butyl alcohol (t-Butanol)	TO-15	10/7/2008	6.06	5	30	ND	µg/m³	R17563
tert-Amyl methyl ether (TAME)	TO-15	10/7/2008	2.09	5	10	ND	µg/m³	R17563
Tetrachloroethene	TO-15	10/7/2008	3.39	5	17	ND	µg/m³	R17563
Toluene	TO-15	10/7/2008	1.89	5	9.4	ND	µg/m³	R17563
trans-1,2-Dichloroethene	TO-15	10/7/2008	1.98	5	9.9	ND	µg/m³	R17563
Trichloroethene	TO-15	10/7/2008	2.69	5	13	ND	µg/m³	R17563
Trichlorofluoromethane	TO-15	10/7/2008	2.48	5	12	ND	µg/m³	R17563
Vinyl Acetate	TO-15	10/7/2008	1.76	5	8.8	ND	µg/m³	R17563
Vinyl Chloride	TO-15	10/7/2008	1.28	5	6.4	ND	µg/m³	R17563
Surr: 4-Bromofluorobenzene	TO-15	10/7/2008	0	5	65-135	0 S	%REC	R17563
Surr: 4-Bromofluorobenzene	TO-15	10/7/2008	0	50	65-135	106	%REC	R17563

Note: S - Low surrogate recovery attributed to matrix interference.

These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991

Definitions, legends and Notes

Note	Description
ug/kg	Microgram per kilogram (ppb, part per billion).
ug/L	Microgram per liter (ppb, part per billion).
mg/kg	Milligram per kilogram (ppm, part per million).
mg/L	Milligram per liter (ppm, part per million).
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate.
MDL	Method detection limit.
MRL	Modified reporting limit. When sample is subject to dilution, reporting limit times dilution factor yields MRL.
MS/MSD	Matrix spike/matrix spike duplicate.
N/A	Not applicable.
ND	Not detected at or above detection limit.
NR	Not reported.
QC	Quality Control.
RL	Reporting limit.
% RPD	Percent relative difference.
a	pH was measured immediately upon the receipt of the sample, but it was still done outside the holding time.
sub	Analyzed by subcontracting laboratory, Lab Certificate #

These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991

CLIENT: Ninyo & Moore
Work Order: 0810027
Project: 16301 E.14th St.San Leandro

ANALYTICAL QC SUMMARY REPORT

BatchID: R17563

Sample ID **MB** SampType: **MBLK** TestCode: **TO-15** Units: **ppbv** Prep Date: **10/6/2008** RunNo: **17563**
Client ID: **ZZZZZ** Batch ID: **R17563** TestNo: **TO-15** Analysis Date: **10/6/2008** SeqNo: **251699**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1 - Dichloroethene	ND	0.20									
1,1,1,2-Tetrachloroethane	ND	0.10									
1,1,1-Trichloroethane	ND	0.15									
1,1,2,2-Tetrachloroethane	ND	0.15									
1,1,2-Trichloroethane	ND	0.19									
1,1-Dichloroethane	ND	0.17									
1,2,4-Trichlorobenzene	ND	0.070									
1,2,4-Trimethylbenzene	ND	0.18									
1,2-Dibromoethane(Ethylene dibromide	ND	0.14									
1,2-Dichlorobenzene	ND	0.10									
1,2-Dichloroethane	ND	0.16									
1,2-Dichloropropane	ND	0.22									
1,3,5-Trimethylbenzene	ND	0.14									
1,3-Butadiene	ND	0.27									
1,3-Dichlorobenzene	ND	0.060									
1,4-Dichlorobenzene	ND	0.11									
1,4-Dioxane	ND	0.14									
2-Butanone (MEK)	ND	0.15									
2-Hexanone	ND	0.21									
4-Ethyl Toluene	ND	0.15									
4-Methyl-2-Pentanone (MIBK)	ND	0.16									
Acetone	ND	0.24									
Benzene	ND	0.28									
Bromodichloromethane	ND	0.13									
Bromoform	ND	0.17									
Bromomethane	ND	0.20									
Carbon Disulfide	ND	0.16									
Carbon Tetrachloride	ND	0.15									
Chlorobenzene	ND	0.092									
Chloroethane	ND	0.15									

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

CLIENT: Ninyo & Moore
Work Order: 0810027
Project: 16301 E.14th St.San Leandro

ANALYTICAL QC SUMMARY REPORT

BatchID: R17563

Sample ID **MB**	SampType: **MBLK**	TestCode: **TO-15**	Units: **ppbv**	Prep Date: **10/6/2008**	RunNo: **17563**
Client ID: **ZZZZZ**	Batch ID: **R17563**	TestNo: **TO-15**		Analysis Date: **10/6/2008**	SeqNo: **251699**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloroform	ND	0.40									
Chloromethane	ND	0.35									
cis-1,2-dichloroethene	ND	0.14									
cis-1,3-Dichloropropene	ND	0.080									
Dibromochloromethane	ND	0.11									
Dichlorodifluoromethane	ND	0.15									
Diisopropyl ether (DIPE)	ND	0.16									
Ethyl Acetate	ND	0.12									
Ethyl Benzene	ND	0.093									
Ethyl tert-butyl ether (ETBE)	ND	0.16									
Freon 113	ND	0.12									
Hexachlorobutadiene	ND	0.17									
Hexane	ND	0.51									
Isopropanol	ND	0.40									
m,p-Xylene	ND	0.12									
Methylene Chloride	ND	0.19									
MTBE	ND	0.14									
Naphthalene	ND	0.50									
o-xylene	ND	0.14									
Styrene	ND	0.15									
t-Butyl alcohol (t-Butanol)	ND	0.16									
tert-Amyl methyl ether (TAME)	ND	0.16									
Tetrachloroethene	ND	0.19									
Toluene	ND	0.14									
trans-1,2-Dichloroethene	ND	0.14									
Trichloroethene	ND	0.098									
Trichlorofluoromethane	ND	0.14									
Vinyl Acetate	ND	0.18									
Vinyl Chloride	ND	0.097									
Surr: 4-Bromofluorobenzene	19.27	0	20	0	96.4	65	135				

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

CLIENT: Ninyo & Moore
Work Order: 0810027
Project: 16301 E.14th St.San Leandro

ANALYTICAL QC SUMMARY REPORT

BatchID: R17563

Sample ID **MB1** SampType: **MBLK** TestCode: **TO-15** Units: **ppbv** Prep Date: **10/7/2008** RunNo: **17563**
Client ID: **ZZZZZ** Batch ID: **R17563** TestNo: **TO-15** Analysis Date: **10/7/2008** SeqNo: **251704**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1 - Dichloroethene	ND	0.50									
1,1,1,2-Tetrachloroethane	ND	0.50									
1,1,1-Trichloroethane	ND	0.50									
1,1,2,2-Tetrachloroethane	ND	0.50									
1,1,2-Trichloroethane	ND	0.50									
1,1-Dichloroethane	ND	0.50									
1,2,4-Trichlorobenzene	ND	0.50									
1,2,4-Trimethylbenzene	ND	0.50									
1,2-Dibromoethane(Ethylene dibromide	ND	0.50									
1,2-Dichlorobenzene	ND	0.50									
1,2-Dichloroethane	ND	0.50									
1,2-Dichloropropane	ND	0.50									
1,3,5-Trimethylbenzene	ND	0.50									
1,3-Butadiene	ND	2.0									
1,3-Dichlorobenzene	ND	0.50									
1,4-Dichlorobenzene	ND	0.50									
1,4-Dioxane	ND	0.50									
2-Butanone (MEK)	ND	0.50									
2-Hexanone	ND	0.50									
4-Ethyl Toluene	ND	0.50									
4-Methyl-2-Pentanone (MIBK)	ND	0.50									
Acetone	ND	4.0									
Benzene	ND	0.50									
Bromodichloromethane	ND	0.50									
Bromoform	ND	0.50									
Bromomethane	ND	0.50									
Carbon Disulfide	ND	0.50									
Carbon Tetrachloride	ND	0.50									
Chlorobenzene	ND	0.50									
Chloroethane	ND	0.50									
Chloroform	ND	0.50									

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

CLIENT: Ninyo & Moore
Work Order: 0810027
Project: 16301 E.14th St.San Leandro

ANALYTICAL QC SUMMARY REPORT

BatchID: R17563

Sample ID **MB1**	SampType: **MBLK**	TestCode: **TO-15**	Units: **ppbv**	Prep Date: **10/7/2008**	RunNo: **17563**
Client ID: **ZZZZZ**	Batch ID: **R17563**	TestNo: **TO-15**		Analysis Date: **10/7/2008**	SeqNo: **251704**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloromethane	ND	0.50									
cis-1,2-dichloroethene	ND	0.50									
cis-1,3-Dichloropropene	ND	0.50									
Dibromochloromethane	ND	0.50									
Dichlorodifluoromethane	ND	0.50									
Diisopropyl ether (DIPE)	ND	0.50									
Ethyl Acetate	ND	0.50									
Ethyl Benzene	ND	0.50									
Ethyl tert-butyl ether (ETBE)	ND	0.50									
Freon 113	ND	0.50									
Hexachlorobutadiene	ND	0.50									
Hexane	ND	2.0									
Isopropanol	ND	4.0									
m,p-Xylene	ND	0.50									
Methylene Chloride	ND	1.0									
MTBE	ND	0.50									
Naphthalene	ND	5.0									
o-xylene	ND	0.50									
Styrene	ND	0.50									
t-Butyl alcohol (t-Butanol)	ND	2.0									
tert-Amyl methyl ether (TAME)	ND	0.50									
Tetrachloroethene	ND	0.50									
Toluene	ND	0.50									
trans-1,2-Dichloroethene	ND	0.50									
Trichloroethene	ND	0.50									
Trichlorofluoromethane	ND	0.50									
Vinyl Acetate	ND	0.50									
Vinyl Chloride	ND	0.50									
Surr: 4-Bromofluorobenzene	17.94	0	20	0	89.7	65	135				

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

CLIENT: Ninyo & Moore
Work Order: 0810027
Project: 16301 E.14th St.San Leandro

ANALYTICAL QC SUMMARY REPORT

BatchID: R17563

Sample ID **LCS**	SampType: **LCS**	TestCode: **TO-15**	Units: **ppbv**	Prep Date: **10/6/2008**	RunNo: **17563**
Client ID: **ZZZZZ**	Batch ID: **R17563**	TestNo: **TO-15**		Analysis Date: **10/6/2008**	SeqNo: **251700**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1 - Dichloroethene	21.90	0.50	20	0	110	65	135				
1,1,1,2-Tetrachloroethane	19.83	0.50	20	0	99.2	65	135				
1,1,1-Trichloroethane	21.28	0.50	20	0	106	65	135				
1,1,2,2-Tetrachloroethane	20.40	0.50	20	0	102	65	135				
1,1,2-Trichloroethane	20.32	0.50	20	0	102	65	135				
1,1-Dichloroethane	22.92	0.50	20	0	115	65	135				
1,2,4-Trichlorobenzene	17.30	0.50	20	0	86.5	65	135				
1,2,4-Trimethylbenzene	20.31	0.50	20	0	102	65	135				
1,2-Dibromoethane(Ethylene dibromide	20.18	0.50	20	0	101	65	135				
1,2-Dichlorobenzene	20.94	0.50	20	0	105	65	135				
1,2-Dichloroethane	18.87	0.50	20	0	94.4	65	135				
1,2-Dichloropropane	17.24	0.50	20	0	86.2	65	135				
1,3,5-Trimethylbenzene	20.26	0.50	20	0	101	65	135				
1,3-Butadiene	24.76	2.0	20	0	124	65	135				
1,3-Dichlorobenzene	20.79	0.50	20	0	104	65	135				
1,4-Dichlorobenzene	21.32	0.50	20	0	107	65	135				
1,4-Dioxane	21.01	0.50	20	0	105	65	135				
2-Butanone (MEK)	23.54	0.50	20	0	118	65	135				
2-Hexanone	20.65	0.50	20	0	103	65	135				
4-Ethyl Toluene	19.91	0.50	20	0	99.6	65	135				
4-Methyl-2-Pentanone (MIBK)	19.95	0.50	20	0	99.8	65	135				
Acetone	24.07	4.0	20	0	120	65	135				
Benzene	22.58	0.50	20	0	113	65	135				
Bromodichloromethane	19.86	0.50	20	0	99.3	65	135				
Bromoform	18.98	0.50	20	0	94.9	65	135				
Bromomethane	23.50	0.50	20	0	118	65	135				
Carbon Disulfide	20.93	0.50	20	0	105	65	135				
Carbon Tetrachloride	20.39	0.50	20	0	102	65	135				
Chlorobenzene	21.66	0.50	20	0	108	65	135				
Chloroethane	22.47	0.50	20	0	112	65	135				
Chloroform	20.49	0.50	20	0	102	65	135				

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

CLIENT: Ninyo & Moore
Work Order: 0810027
Project: 16301 E.14th St.San Leandro

ANALYTICAL QC SUMMARY REPORT

BatchID: R17563

Sample ID **LCS**	SampType: **LCS**	TestCode: **TO-15**	Units: **ppbv**	Prep Date: **10/6/2008**	RunNo: **17563**
Client ID: **ZZZZZ**	Batch ID: **R17563**	TestNo: **TO-15**		Analysis Date: **10/6/2008**	SeqNo: **251700**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloromethane	20.40	0.50	20	0	102	65	135				
cis-1,2-dichloroethene	22.47	0.50	20	0	112	65	135				
cis-1,3-Dichloropropene	20.22	0.50	20	0	101	65	135				
Dibromochloromethane	19.85	0.50	20	0	99.2	65	135				
Diisopropyl ether (DIPE)	22.47	0.50	20	0	112	65	135				
Ethyl Acetate	22.59	0.50	20	0	113	65	135				
Ethyl Benzene	20.24	0.50	20	0	101	65	135				
Ethyl tert-butyl ether (ETBE)	22.66	0.50	20	0	113	65	135				
Freon 113	20.63	0.50	20	0	103	65	135				
Hexachlorobutadiene	17.21	0.50	20	0	86.0	65	135				
Hexane	21.50	2.0	20	0	108	65	135				
Isopropanol	25.92	4.0	20	0	130	65	135				
m,p-Xylene	40.90	0.50	40	0	102	65	135				
Methylene Chloride	21.39	1.0	20	0	107	65	135				
MTBE	22.18	0.50	20	0	111	65	135				
Naphthalene	17.77	5.0	20	0	88.8	65	135				
o-xylene	21.17	0.50	20	0	106	65	135				
Styrene	19.89	0.50	20	0	99.4	65	135				
t-Butyl alcohol (t-Butanol)	21.72	2.0	20	0	109	65	135				
tert-Amyl methyl ether (TAME)	18.84	0.50	20	0	94.2	65	135				
Tetrachloroethene	20.06	0.50	20	0	100	65	135				
Toluene	19.31	0.50	20	0	96.6	65	135				
trans-1,2-Dichloroethene	23.29	0.50	20	0	116	65	135				
Trichloroethene	20.39	0.50	20	0	102	65	135				
Trichlorofluoromethane	22.22	0.50	20	0	111	65	135				
Vinyl Acetate	26.30	0.50	20	0	132	65	135				
Vinyl Chloride	24.85	0.50	20	0	124	65	135				
Surr: 4-Bromofluorobenzene	20.87	0	20	0	104	65	135				

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

CLIENT: Ninyo & Moore
Work Order: 0810027
Project: 16301 E.14th St.San Leandro

ANALYTICAL QC SUMMARY REPORT

BatchID: R17563

Sample ID **LCSD**	SampType: **LCSD**	TestCode: **TO-15**	Units: **ppbv**	Prep Date: **10/6/2008**	RunNo: **17563**
Client ID: **ZZZZZ**	Batch ID: **R17563**	TestNo: **TO-15**		Analysis Date: **10/6/2008**	SeqNo: **251701**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1 - Dichloroethene	22.12	0.50	20	0	111	65	135	21.9	1.00	30	
1,1,1,2-Tetrachloroethane	18.95	0.50	20	0	94.8	65	135	19.83	4.54	30	
1,1,1-Trichloroethane	21.33	0.50	20	0	107	65	135	21.28	0.235	30	
1,1,2,2-Tetrachloroethane	20.02	0.50	20	0	100	65	135	20.4	1.88	30	
1,1,2-Trichloroethane	19.58	0.50	20	0	97.9	65	135	20.32	3.71	30	
1,1-Dichloroethane	22.42	0.50	20	0	112	65	135	22.92	2.21	30	
1,2,4-Trichlorobenzene	15.94	0.50	20	0	79.7	65	135	17.3	8.18	30	
1,2,4-Trimethylbenzene	19.81	0.50	20	0	99.0	65	135	20.31	2.49	30	
1,2-Dibromoethane(Ethylene dibromide	19.22	0.50	20	0	96.1	65	135	20.18	4.87	30	
1,2-Dichlorobenzene	20.04	0.50	20	0	100	65	135	20.94	4.39	30	
1,2-Dichloroethane	19.37	0.50	20	0	96.8	65	135	18.87	2.62	30	
1,2-Dichloropropane	16.59	0.50	20	0	83.0	65	135	17.24	3.84	30	
1,3,5-Trimethylbenzene	19.77	0.50	20	0	98.8	65	135	20.26	2.45	30	
1,3-Butadiene	23.91	2.0	20	0	120	65	135	24.76	3.49	30	
1,3-Dichlorobenzene	20.40	0.50	20	0	102	65	135	20.79	1.89	30	
1,4-Dichlorobenzene	20.53	0.50	20	0	103	65	135	21.32	3.78	30	
1,4-Dioxane	22.14	0.50	20	0	111	65	135	21.01	5.24	30	
2-Butanone (MEK)	22.57	0.50	20	0	113	65	135	23.54	4.21	30	
2-Hexanone	20.47	0.50	20	0	102	65	135	20.65	0.875	30	
4-Ethyl Toluene	19.29	0.50	20	0	96.5	65	135	19.91	3.16	30	
4-Methyl-2-Pentanone (MIBK)	20.71	0.50	20	0	104	65	135	19.95	3.74	30	
Acetone	21.45	4.0	20	0	107	65	135	24.07	11.5	30	
Benzene	22.37	0.50	20	0	112	65	135	22.58	0.934	30	
Bromodichloromethane	19.85	0.50	20	0	99.2	65	135	19.86	0.0504	30	
Bromoform	17.69	0.50	20	0	88.4	65	135	18.98	7.04	30	
Bromomethane	23.32	0.50	20	0	117	65	135	23.5	0.769	30	
Carbon Disulfide	21.32	0.50	20	0	107	65	135	20.93	1.85	30	
Carbon Tetrachloride	20.99	0.50	20	0	105	65	135	20.39	2.90	30	
Chlorobenzene	21.19	0.50	20	0	106	65	135	21.66	2.19	30	
Chloroethane	19.43	0.50	20	0	97.2	65	135	22.47	14.5	30	
Chloroform	21.06	0.50	20	0	105	65	135	20.49	2.74	30	

Qualifiers:
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

CLIENT: Ninyo & Moore
Work Order: 0810027
Project: 16301 E.14th St.San Leandro

ANALYTICAL QC SUMMARY REPORT

BatchID: R17563

Sample ID **LCSD**	SampType: **LCSD**	TestCode: **TO-15**	Units: **ppbv**	Prep Date: **10/6/2008**	RunNo: **17563**
Client ID: **ZZZZZ**	Batch ID: **R17563**	TestNo: **TO-15**		Analysis Date: **10/6/2008**	SeqNo: **251701**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloromethane	19.48	0.50	20	0	97.4	65	135	20.4	4.61	30	
cis-1,2-dichloroethene	21.20	0.50	20	0	106	65	135	22.47	5.82	30	
cis-1,3-Dichloropropene	20.76	0.50	20	0	104	65	135	20.22	2.64	30	
Dibromochloromethane	19.44	0.50	20	0	97.2	65	135	19.85	2.09	30	
Diisopropyl ether (DIPE)	21.58	0.50	20	0	108	65	135	22.47	4.04	30	
Ethyl Acetate	22.30	0.50	20	0	112	65	135	22.59	1.29	30	
Ethyl Benzene	19.28	0.50	20	0	96.4	65	135	20.24	4.86	30	
Ethyl tert-butyl ether (ETBE)	22.57	0.50	20	0	113	65	135	22.66	0.398	30	
Freon 113	20.17	0.50	20	0	101	65	135	20.63	2.25	30	
Hexachlorobutadiene	16.88	0.50	20	0	84.4	65	135	17.21	1.94	30	
Hexane	20.78	2.0	20	0	104	65	135	21.5	3.41	30	
Isopropanol	22.82	4.0	20	0	114	65	135	25.92	12.7	30	
m,p-Xylene	39.32	0.50	40	0	98.3	65	135	40.9	3.94	30	
Methylene Chloride	21.81	1.0	20	0	109	65	135	21.39	1.94	30	
MTBE	21.86	0.50	20	0	109	65	135	22.18	1.45	30	
Naphthalene	16.96	5.0	20	0	84.8	65	135	17.77	4.66	30	
o-xylene	20.25	0.50	20	0	101	65	135	21.17	4.44	30	
Styrene	19.07	0.50	20	0	95.4	65	135	19.89	4.21	30	
t-Butyl alcohol (t-Butanol)	20.77	2.0	20	0	104	65	135	21.72	4.47	30	
tert-Amyl methyl ether (TAME)	19.22	0.50	20	0	96.1	65	135	18.84	2.00	30	
Tetrachloroethene	19.48	0.50	20	0	97.4	65	135	20.06	2.93	30	
Toluene	19.61	0.50	20	0	98.0	65	135	19.31	1.54	30	
trans-1,2-Dichloroethene	21.92	0.50	20	0	110	65	135	23.29	6.06	30	
Trichloroethene	20.30	0.50	20	0	102	65	135	20.39	0.442	30	
Trichlorofluoromethane	22.15	0.50	20	0	111	65	135	22.22	0.316	30	
Vinyl Acetate	24.56	0.50	20	0	123	65	135	26.3	6.84	30	
Vinyl Chloride	25.00	0.50	20	0	125	65	135	24.85	0.602	30	
Surr: 4-Bromofluorobenzene	20.13	0	20	0	101	65	135	0	0	30	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits

Torrent Laboratory, Inc.

WORK ORDER Summary

06-Oct-08

Work Order 0810027

Client ID: NINYO & MOORE (OAKLNAD)

Project: 16301 E.14th St.San Leandro **QC Level:**

Comments: 5day TAT received 6 air samplesTO-15

Sample ID	Client Sample ID	Collection Date	Date Received	Date Due	Matrix	Test Code	Hld	MS	SEL	Sub	Storage
0810027-001A	SV-1	10/3/2008 9:43:00 AM	10/3/2008	10/9/2008	Air	TO-15 UG/M3	☐	☐	☐	☐	SR
0810027-002A	SV-2	10/3/2008 9:50:00 AM		10/9/2008		TO-15 UG/M3	☐	☐	☐	☐	SR
0810027-003A	SV-3	10/3/2008 9:56:00 AM		10/9/2008		TO-15 UG/M3	☐	☐	☐	☐	SR
0810027-004A	SV-4	10/3/2008 11:23:00 AM		10/9/2008		TO-15 UG/M3	☐	☐	☐	☐	SR
0810027-005A	SV-5	10/3/2008 12:12:00 PM		10/9/2008		TO-15 UG/M3	☐	☐	☐	☐	SR
0810027-006A	SV-6	10/3/2008 12:49:00 PM		10/9/2008		TO-15 UG/M3	☐	☐	☐	☐	SR

Torrent LABORATORY, INC.
483 Sinclair Frontage Road
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 0810027

Company Name: Ninyo & Moore	Location of Sampling: 16301 E. 14th St. San leandro
Address: 1956 Webster St.	Purpose:
City: Oakland State: CA Zip Code: 94612	Special Instructions / Comments:
Telephone: 510-633-5640 FAX: 510-633-5646	
REPORT TO: Cem Atabek SAMPLER: Cem Atabek	P.O. #: EMAIL: catabek@ninyoandmoore.com

TURNAROUND TIME:
- ☐ 10 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day
- ☐ 7 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours
- ☒ 5 Work Days ☐ 1 Work Day ☐ Other

SAMPLE TYPE:
- ☐ Storm Water ☒ Air
- ☐ Waste Water ☐ Other
- ☐ Ground Water
- ☐ Soil

REPORT FORMAT:
- ☐ QC Level IV
- ☐ EDF
- ☐ Excel / EDD

ANALYSIS REQUESTED

LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	TO-15 VOCs	REMARKS
-001A	SV-1	10/3/08 9:43	gas	1	6L Summa	X	
-002A	SV-2	9:50					
-003A	SV-3	9:56					
-004A	SV-4	11:23					
-005A	SV-5	12:12					
-006A	SV-6	12:49					

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1		Cem Atabek	10/3/08	13:00		MARC VERASCO	10/3/08	13:00
2		MARC VERASCO	10/3/08	2:15			10/3/08	2:15 pm

Were Samples Received in Good Condition? ☒ Yes ☐ NO Samples on Ice? ☒ Yes ☐ NO Method of Shipment: Hi Speed Sample seals intact? ☐ Yes ☐ NO ☐ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. Page ____ of ____

Log In By: _____ Date: _____ Log In Reviewed By: _____ Date: _____

TORRENT LAB

Torrent Laboratory, Inc.

WORK ORDER Summary

06-Oct-08

Work Order 0810027

Client ID: NINYO & MOORE (OAKLNAD)

Project: 16301 E.14th St.San Leandro **QC Level:**

Comments: 5day TAT received 6 air samplesTO-15

Sample ID	Client Sample ID	Collection Date	Date Received	Date Due	Matrix	Test Code	Hld	MS	SEL	Sub	Storage
0810027-001A	SV-1	10/3/2008 9:43:00 AM	10/3/2008	10/9/2008	Air	TO-15 UG/M3	☐	☐	☐	☐	SR
0810027-002A	SV-2	10/3/2008 9:50:00 AM		10/9/2008		TO-15 UG/M3	☐	☐	☐	☐	SR
0810027-003A	SV-3	10/3/2008 9:56:00 AM		10/9/2008		TO-15 UG/M3	☐	☐	☐	☐	SR
0810027-004A	SV-4	10/3/2008 11:23:00 AM		10/9/2008		TO-15 UG/M3	☐	☐	☐	☐	SR
0810027-005A	SV-5	10/3/2008 12:12:00 PM		10/9/2008		TO-15 UG/M3	☐	☐	☐	☐	SR
0810027-006A	SV-6	10/3/2008 12:49:00 PM		10/9/2008		TO-15 UG/M3	☐	☐	☐	☐	SR

Torrent LABORATORY, INC.
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CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 0810027

Company Name: Ninyo & Moore	Location of Sampling: 16301 E. 14th St. San leandro
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REPORT TO: Cem Atabek SAMPLER: Cem Atabek	P.O. #: EMAIL: catabek@ninyoandmoore.com

TURNAROUND TIME:
- ☐ 10 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day
- ☐ 7 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours
- ☒ 5 Work Days ☐ 1 Work Day ☐ Other

SAMPLE TYPE:
- ☐ Storm Water ☒ Air
- ☐ Waste Water ☐ Other
- ☐ Ground Water
- ☐ Soil

REPORT FORMAT:
- ☐ QC Level IV
- ☐ EDF
- ☐ Excel / EDD

ANALYSIS REQUESTED

LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	TO-15 VOCs	REMARKS
-001A	SV-1	10/3/08 9:43	gas	1	6L Summa	X	
-002A	SV-2	9:50					
-003A	SV-3	9:56					
-004A	SV-4	11:23					
-005A	SV-5	12:12					
-006A	SV-6	12:49					

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1		Cem Atabek	10/3/08	13:00		MARC VERASCO	10/3/08	13:00
2		MARC VERASCO	10/3/08	2:15			10/3/08	2:15 pm

Were Samples Received in Good Condition? ☒ Yes ☐ NO Samples on Ice? ☒ Yes ☐ NO Method of Shipment: Hi Speed Sample seals intact? ☐ Yes ☐ NO ☐ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. Page ____ of ____

Log In By: _____ Date: _____ Log In Reviewed By: _____ Date: _____

TORRENT LAB

Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Cem Atabek
Ninyo & Moore
1956 Webster Street
Suite 400
Oakland, CA 94612

Client	Ninyo & Moore
Workorder	18643 Holland Oil
Received	10/15/08

The samples were received in EPA specified containers. The samples were transported and received under documented chain of custody and stored at four (4) degrees C until analysis was performed.

Sparger Technology, Inc. ID Suffix Keys - These descriptors will follow the Sparger Technology, Inc. ID numbers and help identify the specific sample and clarify the report.

- DUP - Matrix Duplicate
- MS - Matrix Spike
- MSD - Matrix Spike Duplicate
- LCS - Lab Control Sample
- LCSD - Lab Control Sample Duplicate
- RPD - Relative Percent Difference
- QC - Additional Quality Control
- DIL - Results from a diluted sample
- ND - None Detected
- RL - Reporting Limit

Note: In an effort to conserve paper, the results are printed on both sides of the paper.

Ray James
Laboratory Director

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Cem Atabek
Ninyo & Moore
1956 Webster Street
Suite 400
Oakland, CA 94612

Workorder 18643

Enclosed are the results from samples received on October 15, 2008.

The requested analyses are listed below.

SAMPLE	SAMPLE DESCRIPTION	DATE COLLECTED	TEST METHOD
18643001	MW-1, Water	10/13/08	8015B TPHd 8015B TPHgas 8260B
18643002	MW-2, Water	10/13/08	8015B TPHd 8015B TPHgas 8260B
18643003	MW-3, Water	10/13/08	8015B TPHd 8015B TPHgas 8260B
18643004	MW-4, Water	10/13/08	8015B TPHd 8015B TPHgas 8260B
18643005	MW-5, Water	10/13/08	8015B TPHd 8015B TPHgas 8260B
18643006	MW-6, Water	10/13/08	8015B TPHd 8015B TPHgas 8260B
18643007	MW-7, Water	10/13/08	8015B TPHd 8015B TPHgas 8260B
18643008	MW-8, Water	10/14/08	8015B TPHd 8015B TPHgas 8260B
18643009	MW-9, Water	10/14/08	8015B TPHd 8015B TPHgas 8260B
18643010	MW-10, Water	10/14/08	8015B TPHd 8015B TPHgas 8260B

Workorder 18643.00

SAMPLE	SAMPLE DESCRIPTION	DATE COLLECTED	TEST METHOD
18643011	MW-11, Water	10/14/08	8015B TPHd 8015B TPHgas 8260B
18643012	MW-12, Water	10/14/08	8015B TPHd 8015B TPHgas 8260B

Test Certificate of Analysis

Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18643	**Sampled**	10/13/08
Laboratory ID	18643001	**Received**	10/15/08
Sample ID	MW-1	**Reported**	10/17/08
Matrix	Water		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Chloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Vinyl chloride	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Bromomethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Chloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Trichlorofluoromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Acrolein	10/15/08	10/15/08	ND	10	ug/L	1:1
1,1-Dichloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Acetone	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Iodomethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Carbon disulfide	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Dichloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Acrylonitrile	10/15/08	10/15/08	ND	10	ug/L	1:1
trans-1,2-Dichloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1-Dichloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Vinyl acetate	10/15/08	10/15/08	ND	5.0	ug/L	1:1
cis-1,2-Dichloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2-Butanone	10/15/08	10/15/08	ND	5.0	ug/L	1:1
Bromochloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Chloroform	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2,2-dichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1,1-Trichloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1-dichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Carbon tetrachloride	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Benzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2-Dichloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Dibromomethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Bromodichloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2-Dichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Trichloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2-Chloroethylvinyl ether	10/15/08	10/15/08	ND	1.0	ug/L	1:1
cis-1,3-Dichloropropene	10/15/08	10/15/08	ND	1.0	ug/L	1:1

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Test Certificate of Analysis

Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18643	**Sampled**	10/13/08
Laboratory ID	18643001	**Received**	10/15/08
Sample ID	MW-1	**Reported**	10/17/08
Matrix	Water		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
4-Methyl-2-pentanone	10/15/08	10/15/08	ND	5.0	ug/L	1:1
trans-1,3-Dichloropropene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1,2-Trichloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Toluene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2-Dibromoethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,3-Dichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2-Hexanone	10/15/08	10/15/08	ND	10	ug/L	1:1
Dibromochloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Tetrachloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1,1,2-Tetrachloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Chlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Ethylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
m,p-Xylene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Bromoform	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Styrene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
o-Xylene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1,2,2-Tetrachloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2,3-Trichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Isopropylbenzene	**10/15/08**	**10/15/08**	**20**	**1.0**	**ug/L**	**1:1**
Bromobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
n-Propylbenzene	**10/15/08**	**10/15/08**	**30**	**1.0**	**ug/L**	**1:1**
2-Chlorotoluene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
4-Chlorotoluene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,3,5-Trimethylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
tert-Butylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2,4-Trimethylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
sec-Butylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,3-Dichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,4-Dichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
4-Isopropyltoluene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2-Dichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
n-Butylbenzene	**10/15/08**	**10/15/08**	**5.5**	**1.0**	**ug/L**	**1:1**

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Test Certificate of Analysis

Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18643	**Sampled**	10/13/08
Laboratory ID	18643001	**Received**	10/15/08
Sample ID	MW-1	**Reported**	10/17/08
Matrix	Water		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
1,2-Dibromo-3-chloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2,4-Trichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Naphthalene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Hexachlorobutadiene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2,3-Trichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Methyl-tert-butyl-ether	10/15/08	10/15/08	ND	0.5	ug/L	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	51 ug/L	102 %	(65 - 135)
Toluene d8	52 ug/L	104 %	(65 - 127)
4-Bromofluorobenzene	52 ug/L	104 %	(65 - 133)

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Test Certificate of Analysis

Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18643	**Sampled**	10/13/08
Laboratory ID	18643002	**Received**	10/15/08
Sample ID	MW-2	**Reported**	10/17/08
Matrix	Water		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Chloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Vinyl chloride	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Bromomethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Chloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Trichlorofluoromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Acrolein	10/15/08	10/15/08	ND	10	ug/L	1:1
1,1-Dichloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Acetone	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Iodomethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Carbon disulfide	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Dichloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Acrylonitrile	10/15/08	10/15/08	ND	10	ug/L	1:1
trans-1,2-Dichloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1-Dichloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Vinyl acetate	10/15/08	10/15/08	ND	5.0	ug/L	1:1
cis-1,2-Dichloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2-Butanone	10/15/08	10/15/08	ND	5.0	ug/L	1:1
Bromochloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Chloroform	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2,2-dichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1,1-Trichloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1-dichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Carbon tetrachloride	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Benzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2-Dichloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Dibromomethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Bromodichloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2-Dichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Trichloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2-Chloroethylvinyl ether	10/15/08	10/15/08	ND	1.0	ug/L	1:1
cis-1,3-Dichloropropene	10/15/08	10/15/08	ND	1.0	ug/L	1:1

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Test Certificate of Analysis

Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18643	**Sampled**	10/13/08
Laboratory ID	18643002	**Received**	10/15/08
Sample ID	MW-2	**Reported**	10/17/08
Matrix	Water		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
4-Methyl-2-pentanone	10/15/08	10/15/08	ND	5.0	ug/L	1:1
trans-1,3-Dichloropropene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1,2-Trichloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Toluene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2-Dibromoethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,3-Dichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2-Hexanone	10/15/08	10/15/08	ND	10	ug/L	1:1
Dibromochloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Tetrachloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1,1,2-Tetrachloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Chlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Ethylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
m,p-Xylene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Bromoform	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Styrene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
o-Xylene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1,2,2-Tetrachloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2,3-Trichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Isopropylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Bromobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
n-Propylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2-Chlorotoluene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
4-Chlorotoluene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,3,5-Trimethylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
tert-Butylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2,4-Trimethylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
sec-Butylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,3-Dichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,4-Dichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
4-Isopropyltoluene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2-Dichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
n-Butylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18643	**Sampled**	10/13/08
Laboratory ID	18643002	**Received**	10/15/08
Sample ID	MW-2	**Reported**	10/17/08
Matrix	Water		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
1,2-Dibromo-3-chloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2,4-Trichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Naphthalene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Hexachlorobutadiene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2,3-Trichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Methyl-tert-butyl-ether	10/15/08	10/15/08	ND	0.5	ug/L	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	43 ug/L	86 %	(65 - 135)
Toluene d8	48 ug/L	96 %	(65 - 127)
4-Bromofluorobenzene	49 ug/L	98 %	(65 - 133)

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18643	**Sampled**	10/13/08
Laboratory ID	18643003	**Received**	10/15/08
Sample ID	MW-3	**Reported**	10/17/08
Matrix	Water		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Chloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Vinyl chloride	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Bromomethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Chloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Trichlorofluoromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Acrolein	10/15/08	10/15/08	ND	10	ug/L	1:1
1,1-Dichloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Acetone	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Iodomethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Carbon disulfide	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Dichloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Acrylonitrile	10/15/08	10/15/08	ND	10	ug/L	1:1
trans-1,2-Dichloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1-Dichloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Vinyl acetate	10/15/08	10/15/08	ND	5.0	ug/L	1:1
cis-1,2-Dichloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2-Butanone	10/15/08	10/15/08	ND	5.0	ug/L	1:1
Bromochloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Chloroform	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2,2-dichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1,1-Trichloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1-dichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Carbon tetrachloride	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Benzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2-Dichloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Dibromomethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Bromodichloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2-Dichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Trichloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2-Chloroethylvinyl ether	10/15/08	10/15/08	ND	1.0	ug/L	1:1
cis-1,3-Dichloropropene	10/15/08	10/15/08	ND	1.0	ug/L	1:1

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Test Certificate of Analysis

Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18643	**Sampled**	10/13/08
Laboratory ID	18643003	**Received**	10/15/08
Sample ID	MW-3	**Reported**	10/17/08
Matrix	Water		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
4-Methyl-2-pentanone	10/15/08	10/15/08	ND	5.0	ug/L	1:1
trans-1,3-Dichloropropene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1,2-Trichloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Toluene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2-Dibromoethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,3-Dichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2-Hexanone	10/15/08	10/15/08	ND	10	ug/L	1:1
Dibromochloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Tetrachloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1,1,2-Tetrachloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Chlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Ethylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
m,p-Xylene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Bromoform	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Styrene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
o-Xylene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1,2,2-Tetrachloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2,3-Trichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Isopropylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Bromobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
n-Propylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2-Chlorotoluene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
4-Chlorotoluene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,3,5-Trimethylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
tert-Butylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2,4-Trimethylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
sec-Butylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,3-Dichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,4-Dichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
4-Isopropyltoluene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2-Dichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
n-Butylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1

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Test Certificate of Analysis

Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18643	**Sampled**	10/13/08
Laboratory ID	18643003	**Received**	10/15/08
Sample ID	MW-3	**Reported**	10/17/08
Matrix	Water		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
1,2-Dibromo-3-chloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2,4-Trichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Naphthalene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Hexachlorobutadiene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2,3-Trichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Methyl-tert-butyl-ether	10/15/08	10/15/08	ND	0.5	ug/L	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	45 ug/L	90 %	(65 - 135)
Toluene d8	50 ug/L	100 %	(65 - 127)
4-Bromofluorobenzene	49 ug/L	98 %	(65 - 133)

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Sparger Technology, Inc.
Environmental Laboratories

Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18643	**Sampled**	10/13/08
Laboratory ID	18643004	**Received**	10/15/08
Sample ID	MW-4	**Reported**	10/17/08
Matrix	Water		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Chloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Vinyl chloride	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Bromomethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Chloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Trichlorofluoromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Acrolein	10/15/08	10/15/08	ND	10	ug/L	1:1
1,1-Dichloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Acetone	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Iodomethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Carbon disulfide	**10/15/08**	**10/15/08**	**2.0**	**1.0**	**ug/L**	**1:1**
Dichloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Acrylonitrile	10/15/08	10/15/08	ND	10	ug/L	1:1
trans-1,2-Dichloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1-Dichloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Vinyl acetate	10/15/08	10/15/08	ND	5.0	ug/L	1:1
cis-1,2-Dichloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2-Butanone	10/15/08	10/15/08	ND	5.0	ug/L	1:1
Bromochloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Chloroform	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2,2-dichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1,1-Trichloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1-dichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Carbon tetrachloride	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Benzene	**10/15/08**	**10/15/08**	**2.9**	**1.0**	**ug/L**	**1:1**
1,2-Dichloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Dibromomethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Bromodichloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2-Dichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Trichloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2-Chloroethylvinyl ether	10/15/08	10/15/08	ND	1.0	ug/L	1:1
cis-1,3-Dichloropropene	10/15/08	10/15/08	ND	1.0	ug/L	1:1

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Test Certificate of Analysis

Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18643	**Sampled**	10/13/08
Laboratory ID	18643004	**Received**	10/15/08
Sample ID	MW-4	**Reported**	10/17/08
Matrix	Water		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
4-Methyl-2-pentanone	10/15/08	10/15/08	ND	5.0	ug/L	1:1
trans-1,3-Dichloropropene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1,2-Trichloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Toluene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2-Dibromoethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,3-Dichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2-Hexanone	10/15/08	10/15/08	ND	10	ug/L	1:1
Dibromochloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Tetrachloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1,1,2-Tetrachloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Chlorobenzene	**10/15/08**	**10/15/08**	**1.7**	**1.0**	**ug/L**	**1:1**
Ethylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
m,p-Xylene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Bromoform	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Styrene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
o-Xylene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1,2,2-Tetrachloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2,3-Trichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Isopropylbenzene	**10/15/08**	**10/15/08**	**10**	**1.0**	**ug/L**	**1:1**
Bromobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
n-Propylbenzene	**10/15/08**	**10/15/08**	**30**	**1.0**	**ug/L**	**1:1**
2-Chlorotoluene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
4-Chlorotoluene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,3,5-Trimethylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
tert-Butylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2,4-Trimethylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
sec-Butylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,3-Dichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,4-Dichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
4-Isopropyltoluene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2-Dichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
n-Butylbenzene	**10/15/08**	**10/15/08**	**5.3**	**1.0**	**ug/L**	**1:1**

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Test Certificate of Analysis

Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18643	**Sampled**	10/13/08
Laboratory ID	18643004	**Received**	10/15/08
Sample ID	MW-4	**Reported**	10/17/08
Matrix	Water		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
1,2-Dibromo-3-chloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2,4-Trichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Naphthalene	**10/15/08**	**10/15/08**	**1.4**	**1.0**	**ug/L**	**1:1**
Hexachlorobutadiene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2,3-Trichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Methyl-tert-butyl-ether	**10/15/08**	**10/15/08**	**1.9**	**0.5**	**ug/L**	**1:1**

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	49 ug/L	98 %	(65 - 135)
Toluene d8	52 ug/L	104 %	(65 - 127)
4-Bromofluorobenzene	54 ug/L	108 %	(65 - 133)

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Test Certificate of Analysis

Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18643	**Sampled**	10/13/08
Laboratory ID	18643005	**Received**	10/15/08
Sample ID	MW-5	**Reported**	10/17/08
Matrix	Water		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Chloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Vinyl chloride	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Bromomethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Chloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Trichlorofluoromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Acrolein	10/15/08	10/15/08	ND	10	ug/L	1:1
1,1-Dichloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Acetone	**10/15/08**	**10/15/08**	**4.9**	**1.0**	**ug/L**	**1:1**
Iodomethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Carbon disulfide	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Dichloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Acrylonitrile	10/15/08	10/15/08	ND	10	ug/L	1:1
trans-1,2-Dichloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1-Dichloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Vinyl acetate	10/15/08	10/15/08	ND	5.0	ug/L	1:1
cis-1,2-Dichloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2-Butanone	10/15/08	10/15/08	ND	5.0	ug/L	1:1
Bromochloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Chloroform	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2,2-dichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1,1-Trichloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1-dichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Carbon tetrachloride	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Benzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2-Dichloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Dibromomethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Bromodichloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2-Dichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Trichloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2-Chloroethylvinyl ether	10/15/08	10/15/08	ND	1.0	ug/L	1:1
cis-1,3-Dichloropropene	10/15/08	10/15/08	ND	1.0	ug/L	1:1

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18643	**Sampled**	10/13/08
Laboratory ID	18643005	**Received**	10/15/08
Sample ID	MW-5	**Reported**	10/17/08
Matrix	Water		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
4-Methyl-2-pentanone	10/15/08	10/15/08	ND	5.0	ug/L	1:1
trans-1,3-Dichloropropene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1,2-Trichloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Toluene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2-Dibromoethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,3-Dichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2-Hexanone	10/15/08	10/15/08	ND	10	ug/L	1:1
Dibromochloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Tetrachloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1,1,2-Tetrachloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Chlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Ethylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
m,p-Xylene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Bromoform	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Styrene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
o-Xylene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1,2,2-Tetrachloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2,3-Trichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Isopropylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Bromobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
n-Propylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2-Chlorotoluene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
4-Chlorotoluene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,3,5-Trimethylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
tert-Butylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2,4-Trimethylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
sec-Butylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,3-Dichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,4-Dichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
4-Isopropyltoluene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2-Dichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
n-Butylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18643	**Sampled**	10/13/08
Laboratory ID	18643005	**Received**	10/15/08
Sample ID	MW-5	**Reported**	10/17/08
Matrix	Water		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
1,2-Dibromo-3-chloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2,4-Trichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Naphthalene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Hexachlorobutadiene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2,3-Trichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Methyl-tert-butyl-ether	**10/15/08**	**10/15/08**	**20**	**0.5**	**ug/L**	**1:1**

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	46 ug/L	92 %	(65 - 135)
Toluene d8	51 ug/L	102 %	(65 - 127)
4-Bromofluorobenzene	49 ug/L	98 %	(65 - 133)

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18643	**Sampled**	10/13/08
Laboratory ID	18643006	**Received**	10/15/08
Sample ID	MW-6	**Reported**	10/17/08
Matrix	Water		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Chloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Vinyl chloride	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Bromomethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Chloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Trichlorofluoromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Acrolein	10/15/08	10/15/08	ND	10	ug/L	1:1
1,1-Dichloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Acetone	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Iodomethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Carbon disulfide	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Dichloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Acrylonitrile	10/15/08	10/15/08	ND	10	ug/L	1:1
trans-1,2-Dichloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1-Dichloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Vinyl acetate	10/15/08	10/15/08	ND	5.0	ug/L	1:1
cis-1,2-Dichloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2-Butanone	10/15/08	10/15/08	ND	5.0	ug/L	1:1
Bromochloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Chloroform	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2,2-dichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1,1-Trichloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1-dichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Carbon tetrachloride	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Benzene	**10/15/08**	**10/15/08**	**7.0**	**1.0**	**ug/L**	**1:1**
1,2-Dichloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Dibromomethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Bromodichloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2-Dichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Trichloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2-Chloroethylvinyl ether	10/15/08	10/15/08	ND	1.0	ug/L	1:1
cis-1,3-Dichloropropene	10/15/08	10/15/08	ND	1.0	ug/L	1:1

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18643	**Sampled**	10/13/08
Laboratory ID	18643006	**Received**	10/15/08
Sample ID	MW-6	**Reported**	10/17/08
Matrix	Water		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
4-Methyl-2-pentanone	10/15/08	10/15/08	ND	5.0	ug/L	1:1
trans-1,3-Dichloropropene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1,2-Trichloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Toluene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2-Dibromoethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,3-Dichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2-Hexanone	10/15/08	10/15/08	ND	10	ug/L	1:1
Dibromochloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Tetrachloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1,1,2-Tetrachloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Chlorobenzene	**10/15/08**	**10/15/08**	**1.6**	**1.0**	**ug/L**	**1:1**
Ethylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
m,p-Xylene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Bromoform	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Styrene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
o-Xylene	**10/15/08**	**10/15/08**	**1.1**	**1.0**	**ug/L**	**1:1**
1,1,2,2-Tetrachloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2,3-Trichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Isopropylbenzene	**10/15/08**	**10/15/08**	**10**	**1.0**	**ug/L**	**1:1**
Bromobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
n-Propylbenzene	**10/15/08**	**10/15/08**	**20**	**1.0**	**ug/L**	**1:1**
2-Chlorotoluene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
4-Chlorotoluene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,3,5-Trimethylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
tert-Butylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2,4-Trimethylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
sec-Butylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,3-Dichlorobenzene	**10/15/08**	**10/15/08**	**2.0**	**1.0**	**ug/L**	**1:1**
1,4-Dichlorobenzene	**10/15/08**	**10/15/08**	**6.3**	**1.0**	**ug/L**	**1:1**
4-Isopropyltoluene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2-Dichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
n-Butylbenzene	**10/15/08**	**10/15/08**	**2.8**	**1.0**	**ug/L**	**1:1**

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18643	**Sampled**	10/13/08
Laboratory ID	18643006	**Received**	10/15/08
Sample ID	MW-6	**Reported**	10/17/08
Matrix	Water		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
1,2-Dibromo-3-chloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2,4-Trichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Naphthalene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Hexachlorobutadiene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2,3-Trichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Methyl-tert-butyl-ether	10/15/08	10/15/08	ND	0.5	ug/L	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	47 ug/L	94 %	(65 - 135)
Toluene d8	49 ug/L	98 %	(65 - 127)
4-Bromofluorobenzene	50 ug/L	100 %	(65 - 133)

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Test Certificate of Analysis

Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18643	**Sampled**	10/13/08
Laboratory ID	18643007	**Received**	10/15/08
Sample ID	MW-7	**Reported**	10/17/08
Matrix	Water		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Chloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Vinyl chloride	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Bromomethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Chloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Trichlorofluoromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Acrolein	10/15/08	10/15/08	ND	10	ug/L	1:1
1,1-Dichloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Acetone	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Iodomethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Carbon disulfide	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Dichloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Acrylonitrile	10/15/08	10/15/08	ND	10	ug/L	1:1
trans-1,2-Dichloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1-Dichloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Vinyl acetate	10/15/08	10/15/08	ND	5.0	ug/L	1:1
cis-1,2-Dichloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2-Butanone	10/15/08	10/15/08	ND	5.0	ug/L	1:1
Bromochloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Chloroform	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2,2-dichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1,1-Trichloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1-dichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Carbon tetrachloride	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Benzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2-Dichloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Dibromomethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Bromodichloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2-Dichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Trichloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2-Chloroethylvinyl ether	10/15/08	10/15/08	ND	1.0	ug/L	1:1
cis-1,3-Dichloropropene	10/15/08	10/15/08	ND	1.0	ug/L	1:1

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Test Certificate of Analysis

Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18643	**Sampled**	10/13/08
Laboratory ID	18643007	**Received**	10/15/08
Sample ID	MW-7	**Reported**	10/17/08
Matrix	Water		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
4-Methyl-2-pentanone	10/15/08	10/15/08	ND	5.0	ug/L	1:1
trans-1,3-Dichloropropene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1,2-Trichloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Toluene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2-Dibromoethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,3-Dichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2-Hexanone	10/15/08	10/15/08	ND	10	ug/L	1:1
Dibromochloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Tetrachloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1,1,2-Tetrachloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Chlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Ethylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
m,p-Xylene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Bromoform	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Styrene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
o-Xylene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1,2,2-Tetrachloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2,3-Trichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Isopropylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Bromobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
n-Propylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2-Chlorotoluene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
4-Chlorotoluene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,3,5-Trimethylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
tert-Butylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2,4-Trimethylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
sec-Butylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,3-Dichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,4-Dichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
4-Isopropyltoluene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2-Dichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
n-Butylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18643	**Sampled**	10/13/08
Laboratory ID	18643007	**Received**	10/15/08
Sample ID	MW-7	**Reported**	10/17/08
Matrix	Water		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
1,2-Dibromo-3-chloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2,4-Trichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Naphthalene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Hexachlorobutadiene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2,3-Trichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Methyl-tert-butyl-ether	10/15/08	10/15/08	ND	0.5	ug/L	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	43 ug/L	86 %	(65 - 135)
Toluene d8	51 ug/L	102 %	(65 - 127)
4-Bromofluorobenzene	49 ug/L	98 %	(65 - 133)

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18643	**Sampled**	10/14/08
Laboratory ID	18643008	**Received**	10/15/08
Sample ID	MW-8	**Reported**	10/17/08
Matrix	Water		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Chloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Vinyl chloride	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Bromomethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Chloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Trichlorofluoromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Acrolein	10/15/08	10/15/08	ND	10	ug/L	1:1
1,1-Dichloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Acetone	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Iodomethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Carbon disulfide	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Dichloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Acrylonitrile	10/15/08	10/15/08	ND	10	ug/L	1:1
trans-1,2-Dichloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1-Dichloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Vinyl acetate	10/15/08	10/15/08	ND	5.0	ug/L	1:1
cis-1,2-Dichloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2-Butanone	10/15/08	10/15/08	ND	5.0	ug/L	1:1
Bromochloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Chloroform	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2,2-dichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1,1-Trichloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1-dichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Carbon tetrachloride	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Benzene	**10/15/08**	**10/15/08**	**50**	**1.0**	**ug/L**	**1:1**
1,2-Dichloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Dibromomethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Bromodichloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2-Dichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Trichloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2-Chloroethylvinyl ether	10/15/08	10/15/08	ND	1.0	ug/L	1:1
cis-1,3-Dichloropropene	10/15/08	10/15/08	ND	1.0	ug/L	1:1

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18643	**Sampled**	10/14/08
Laboratory ID	18643008	**Received**	10/15/08
Sample ID	MW-8	**Reported**	10/17/08
Matrix	Water		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
4-Methyl-2-pentanone	10/15/08	10/15/08	ND	5.0	ug/L	1:1
trans-1,3-Dichloropropene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1,2-Trichloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Toluene	**10/15/08**	**10/15/08**	**1.4**	**1.0**	**ug/L**	**1:1**
1,2-Dibromoethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,3-Dichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2-Hexanone	10/15/08	10/15/08	ND	10	ug/L	1:1
Dibromochloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Tetrachloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1,1,2-Tetrachloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Chlorobenzene	**10/15/08**	**10/15/08**	**2.6**	**1.0**	**ug/L**	**1:1**
Ethylbenzene	**10/15/08**	**10/15/08**	**10**	**1.0**	**ug/L**	**1:1**
m,p-Xylene	**10/15/08**	**10/15/08**	**20**	**1.0**	**ug/L**	**1:1**
Bromoform	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Styrene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
o-Xylene	**10/15/08**	**10/15/08**	**3.2**	**1.0**	**ug/L**	**1:1**
1,1,2,2-Tetrachloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2,3-Trichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Isopropylbenzene	**10/15/08**	**10/15/08**	**3.3**	**1.0**	**ug/L**	**1:1**
Bromobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
n-Propylbenzene	**10/15/08**	**10/15/08**	**8.6**	**1.0**	**ug/L**	**1:1**
2-Chlorotoluene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
4-Chlorotoluene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,3,5-Trimethylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
tert-Butylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2,4-Trimethylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
sec-Butylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,3-Dichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,4-Dichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
4-Isopropyltoluene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2-Dichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
n-Butylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18643	**Sampled**	10/14/08
Laboratory ID	18643008	**Received**	10/15/08
Sample ID	MW-8	**Reported**	10/17/08
Matrix	Water		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
1,2-Dibromo-3-chloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2,4-Trichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Naphthalene	**10/15/08**	**10/15/08**	**4.9**	**1.0**	**ug/L**	**1:1**
Hexachlorobutadiene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2,3-Trichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Methyl-tert-butyl-ether	10/15/08	10/15/08	ND	0.5	ug/L	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	46 ug/L	92 %	(65 - 135)
Toluene d8	51 ug/L	102 %	(65 - 127)
4-Bromofluorobenzene	49 ug/L	98 %	(65 - 133)

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Analytical Laboratory Division
Mobile Laboratory Division
Scientific Division

Test Certificate of Analysis

Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18643	**Sampled**	10/14/08
Laboratory ID	18643009	**Received**	10/15/08
Sample ID	MW-9	**Reported**	10/17/08
Matrix	Water		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Chloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Vinyl chloride	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Bromomethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Chloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Trichlorofluoromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Acrolein	10/15/08	10/15/08	ND	10	ug/L	1:1
1,1-Dichloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Acetone	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Iodomethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Carbon disulfide	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Dichloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Acrylonitrile	10/15/08	10/15/08	ND	10	ug/L	1:1
trans-1,2-Dichloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1-Dichloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Vinyl acetate	10/15/08	10/15/08	ND	5.0	ug/L	1:1
cis-1,2-Dichloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2-Butanone	10/15/08	10/15/08	ND	5.0	ug/L	1:1
Bromochloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Chloroform	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2,2-dichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1,1-Trichloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1-dichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Carbon tetrachloride	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Benzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2-Dichloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Dibromomethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Bromodichloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2-Dichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Trichloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2-Chloroethylvinyl ether	10/15/08	10/15/08	ND	1.0	ug/L	1:1
cis-1,3-Dichloropropene	10/15/08	10/15/08	ND	1.0	ug/L	1:1

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Test Certificate of Analysis

Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18643	**Sampled**	10/14/08
Laboratory ID	18643009	**Received**	10/15/08
Sample ID	MW-9	**Reported**	10/17/08
Matrix	Water		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
4-Methyl-2-pentanone	10/15/08	10/15/08	ND	5.0	ug/L	1:1
trans-1,3-Dichloropropene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1,2-Trichloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Toluene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2-Dibromoethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,3-Dichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2-Hexanone	10/15/08	10/15/08	ND	10	ug/L	1:1
Dibromochloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Tetrachloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1,1,2-Tetrachloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Chlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Ethylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
m,p-Xylene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Bromoform	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Styrene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
o-Xylene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1,2,2-Tetrachloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2,3-Trichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Isopropylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Bromobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
n-Propylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2-Chlorotoluene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
4-Chlorotoluene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,3,5-Trimethylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
tert-Butylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2,4-Trimethylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
sec-Butylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,3-Dichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,4-Dichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
4-Isopropyltoluene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2-Dichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
n-Butylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1

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Test Certificate of Analysis

Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18643	**Sampled**	10/14/08
Laboratory ID	18643009	**Received**	10/15/08
Sample ID	MW-9	**Reported**	10/17/08
Matrix	Water		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
1,2-Dibromo-3-chloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2,4-Trichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Naphthalene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Hexachlorobutadiene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2,3-Trichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Methyl-tert-butyl-ether	10/15/08	10/15/08	ND	0.5	ug/L	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	43 ug/L	86 %	(65 - 135)
Toluene d8	49 ug/L	98 %	(65 - 127)
4-Bromofluorobenzene	49 ug/L	98 %	(65 - 133)

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Test Certificate of Analysis

Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18643	**Sampled**	10/14/08
Laboratory ID	18643010	**Received**	10/15/08
Sample ID	MW-10	**Reported**	10/17/08
Matrix	Water		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Chloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Vinyl chloride	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Bromomethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Chloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Trichlorofluoromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Acrolein	10/15/08	10/15/08	ND	10	ug/L	1:1
1,1-Dichloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Acetone	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Iodomethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Carbon disulfide	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Dichloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Acrylonitrile	10/15/08	10/15/08	ND	10	ug/L	1:1
trans-1,2-Dichloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1-Dichloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Vinyl acetate	10/15/08	10/15/08	ND	5.0	ug/L	1:1
cis-1,2-Dichloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2-Butanone	10/15/08	10/15/08	ND	5.0	ug/L	1:1
Bromochloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Chloroform	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2,2-dichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1,1-Trichloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1-dichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Carbon tetrachloride	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Benzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2-Dichloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Dibromomethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Bromodichloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2-Dichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Trichloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2-Chloroethylvinyl ether	10/15/08	10/15/08	ND	1.0	ug/L	1:1
cis-1,3-Dichloropropene	10/15/08	10/15/08	ND	1.0	ug/L	1:1

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Test Certificate of Analysis

Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18643	**Sampled**	10/14/08
Laboratory ID	18643010	**Received**	10/15/08
Sample ID	MW-10	**Reported**	10/17/08
Matrix	Water		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
4-Methyl-2-pentanone	10/15/08	10/15/08	ND	5.0	ug/L	1:1
trans-1,3-Dichloropropene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1,2-Trichloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Toluene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2-Dibromoethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,3-Dichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2-Hexanone	10/15/08	10/15/08	ND	10	ug/L	1:1
Dibromochloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Tetrachloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1,1,2-Tetrachloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Chlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Ethylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
m,p-Xylene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Bromoform	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Styrene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
o-Xylene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1,2,2-Tetrachloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2,3-Trichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Isopropylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Bromobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
n-Propylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2-Chlorotoluene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
4-Chlorotoluene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,3,5-Trimethylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
tert-Butylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2,4-Trimethylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
sec-Butylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,3-Dichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,4-Dichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
4-Isopropyltoluene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2-Dichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
n-Butylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1

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Test Certificate of Analysis

Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18643	**Sampled**	10/14/08
Laboratory ID	18643010	**Received**	10/15/08
Sample ID	MW-10	**Reported**	10/17/08
Matrix	Water		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
1,2-Dibromo-3-chloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2,4-Trichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Naphthalene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Hexachlorobutadiene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2,3-Trichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Methyl-tert-butyl-ether	10/15/08	10/15/08	ND	0.5	ug/L	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	46 ug/L	92 %	(65 - 135)
Toluene d8	53 ug/L	106 %	(65 - 127)
4-Bromofluorobenzene	53 ug/L	106 %	(65 - 133)

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18643	**Sampled**	10/14/08
Laboratory ID	18643011	**Received**	10/15/08
Sample ID	MW-11	**Reported**	10/17/08
Matrix	Water		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Chloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Vinyl chloride	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Bromomethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Chloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Trichlorofluoromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Acrolein	10/15/08	10/15/08	ND	10	ug/L	1:1
1,1-Dichloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Acetone	**10/15/08**	**10/15/08**	**10**	**1.0**	**ug/L**	**1:1**
Iodomethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Carbon disulfide	**10/15/08**	**10/15/08**	**2.4**	**1.0**	**ug/L**	**1:1**
Dichloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Acrylonitrile	10/15/08	10/15/08	ND	10	ug/L	1:1
trans-1,2-Dichloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1-Dichloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Vinyl acetate	10/15/08	10/15/08	ND	5.0	ug/L	1:1
cis-1,2-Dichloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2-Butanone	10/15/08	10/15/08	ND	5.0	ug/L	1:1
Bromochloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Chloroform	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2,2-dichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1,1-Trichloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1-dichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Carbon tetrachloride	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Benzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2-Dichloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Dibromomethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Bromodichloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2-Dichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Trichloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2-Chloroethylvinyl ether	10/15/08	10/15/08	ND	1.0	ug/L	1:1
cis-1,3-Dichloropropene	10/15/08	10/15/08	ND	1.0	ug/L	1:1

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18643	**Sampled**	10/14/08
Laboratory ID	18643011	**Received**	10/15/08
Sample ID	MW-11	**Reported**	10/17/08
Matrix	Water		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
4-Methyl-2-pentanone	10/15/08	10/15/08	ND	5.0	ug/L	1:1
trans-1,3-Dichloropropene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1,2-Trichloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Toluene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2-Dibromoethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,3-Dichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2-Hexanone	10/15/08	10/15/08	ND	10	ug/L	1:1
Dibromochloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Tetrachloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1,1,2-Tetrachloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Chlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Ethylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
m,p-Xylene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Bromoform	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Styrene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
o-Xylene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1,2,2-Tetrachloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2,3-Trichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Isopropylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Bromobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
n-Propylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2-Chlorotoluene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
4-Chlorotoluene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,3,5-Trimethylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
tert-Butylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2,4-Trimethylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
sec-Butylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,3-Dichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,4-Dichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
4-Isopropyltoluene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2-Dichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
n-Butylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1

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Test Certificate of Analysis

Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18643	**Sampled**	10/14/08
Laboratory ID	18643011	**Received**	10/15/08
Sample ID	MW-11	**Reported**	10/17/08
Matrix	Water		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
1,2-Dibromo-3-chloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2,4-Trichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Naphthalene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Hexachlorobutadiene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2,3-Trichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Methyl-tert-butyl-ether	10/15/08	10/15/08	ND	0.5	ug/L	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	49 ug/L	98 %	(65 - 135)
Toluene d8	55 ug/L	110 %	(65 - 127)
4-Bromofluorobenzene	61 ug/L	122 %	(65 - 133)

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Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18643	**Sampled**	10/14/08
Laboratory ID	18643012	**Received**	10/15/08
Sample ID	MW-12	**Reported**	10/17/08
Matrix	Water		

8260B GC/MS Volatiles - 8260B

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Chloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Vinyl chloride	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Bromomethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Chloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Trichlorofluoromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Acrolein	10/15/08	10/15/08	ND	10	ug/L	1:1
1,1-Dichloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Acetone	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Iodomethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Carbon disulfide	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Dichloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Acrylonitrile	10/15/08	10/15/08	ND	10	ug/L	1:1
trans-1,2-Dichloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1-Dichloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Vinyl acetate	10/15/08	10/15/08	ND	5.0	ug/L	1:1
cis-1,2-Dichloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2-Butanone	10/15/08	10/15/08	ND	5.0	ug/L	1:1
Bromochloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Chloroform	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2,2-dichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1,1-Trichloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1-dichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Carbon tetrachloride	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Benzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2-Dichloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Dibromomethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Bromodichloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2-Dichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Trichloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2-Chloroethylvinyl ether	10/15/08	10/15/08	ND	1.0	ug/L	1:1
cis-1,3-Dichloropropene	10/15/08	10/15/08	ND	1.0	ug/L	1:1

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Test Certificate of Analysis

Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18643	**Sampled**	10/14/08
Laboratory ID	18643012	**Received**	10/15/08
Sample ID	MW-12	**Reported**	10/17/08
Matrix	Water		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
4-Methyl-2-pentanone	10/15/08	10/15/08	ND	5.0	ug/L	1:1
trans-1,3-Dichloropropene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1,2-Trichloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Toluene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2-Dibromoethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,3-Dichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2-Hexanone	10/15/08	10/15/08	ND	10	ug/L	1:1
Dibromochloromethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Tetrachloroethene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1,1,2-Tetrachloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Chlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Ethylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
m,p-Xylene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Bromoform	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Styrene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
o-Xylene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1,2,2-Tetrachloroethane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2,3-Trichloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Isopropylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Bromobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
n-Propylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2-Chlorotoluene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
4-Chlorotoluene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,3,5-Trimethylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
tert-Butylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2,4-Trimethylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
sec-Butylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,3-Dichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,4-Dichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
4-Isopropyltoluene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2-Dichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
n-Butylbenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1

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Test Certificate of Analysis

Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18643	**Sampled**	10/14/08
Laboratory ID	18643012	**Received**	10/15/08
Sample ID	MW-12	**Reported**	10/17/08
Matrix	Water		

8260B GC/MS Volatiles - 8260B (continued)

Parameter	Prep Date	Analyzed	Result	RL	Units	Dilution
1,2-Dibromo-3-chloropropane	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2,4-Trichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Naphthalene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Hexachlorobutadiene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2,3-Trichlorobenzene	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Methyl-tert-butyl-ether	10/15/08	10/15/08	ND	0.5	ug/L	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	50 ug/L	100 %	(65 - 135)
Toluene d8	52 ug/L	104 %	(65 - 127)
4-Bromofluorobenzene	66 ug/L	132 %	(65 - 133)

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Test Certificate of Analysis

Client ID Ninyo & Moore
Workorder # 18643 **Workorder ID** Holland Oil

Laboratory ID 18643001 **Sampled** 10/13/08
Sample ID MW-1 **Received** 10/15/08
Matrix Water **Reported** 10/17/08

8015M DHS TPH LUFT

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	**8015B TPHgas**	**10/15/08**	**10/15/08**	**440**	**50**	**ug/L**	**1:1**

Surrogates	Result	Recovery	Limits
Trifluorotoluene	18 ug/L	90 %	(65 - 135)

Laboratory ID 18643002 **Sampled** 10/13/08
Sample ID MW-2 **Received** 10/15/08
Matrix Water **Reported** 10/17/08

8015M DHS TPH LUFT

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	10/15/08	10/15/08	ND	50	ug/L	1:1

Surrogates	Result	Recovery	Limits
Trifluorotoluene	15 ug/L	75 %	(65 - 135)

Laboratory ID 18643003 **Sampled** 10/13/08
Sample ID MW-3 **Received** 10/15/08
Matrix Water **Reported** 10/17/08

8015M DHS TPH LUFT

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	10/15/08	10/15/08	ND	50	ug/L	1:1

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Test Certificate of Analysis

Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18643	**Sampled**	10/13/08
Laboratory ID	18643003	**Received**	10/15/08
Sample ID	MW-3	**Reported**	10/17/08
Matrix	Water		

8015M DHS TPH LUFT - 8015B TPHgas (continued)

Surrogates	Result	Recovery	Limits
Trifluorotoluene	18 ug/L	90 %	(65 - 135)

Laboratory ID	18643004	**Sampled**	10/13/08
Sample ID	MW-4	**Received**	10/15/08
Matrix	Water	**Reported**	10/17/08

8015M DHS TPH LUFT

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	**8015B TPHgas**	**10/15/08**	**10/15/08**	**470**	**50**	**ug/L**	**1:1**

Surrogates	Result	Recovery	Limits
Trifluorotoluene	17 ug/L	85 %	(65 - 135)

Laboratory ID	18643005	**Sampled**	10/13/08
Sample ID	MW-5	**Received**	10/15/08
Matrix	Water	**Reported**	10/17/08

8015M DHS TPH LUFT

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas[1]	**8015B TPHgas**	**10/15/08**	**10/15/08**	**70**	**50**	**ug/L**	**1:1**

Surrogates	Result	Recovery	Limits
Trifluorotoluene	16 ug/L	80 %	(65 - 135)

1 - Single peak present in TPH Gas range.

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Test Certificate of Analysis

Client ID Ninyo & Moore
Workorder # 18643 **Workorder ID** Holland Oil

Laboratory ID 18643006 **Sampled** 10/13/08
Sample ID MW-6 **Received** 10/15/08
Matrix Water **Reported** 10/17/08

8015M DHS TPH LUFT

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	**8015B TPHgas**	**10/15/08**	**10/15/08**	**470**	**50**	**ug/L**	**1:1**

Surrogates	Result	Recovery	Limits
Trifluorotoluene	19 ug/L	95 %	(65 - 135)

Laboratory ID 18643007 **Sampled** 10/13/08
Sample ID MW-7 **Received** 10/15/08
Matrix Water **Reported** 10/17/08

8015M DHS TPH LUFT

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	10/15/08	10/15/08	ND	50	ug/L	1:1

Surrogates	Result	Recovery	Limits
Trifluorotoluene	18 ug/L	90 %	(65 - 135)

Laboratory ID 18643008 **Sampled** 10/14/08
Sample ID MW-8 **Received** 10/15/08
Matrix Water **Reported** 10/17/08

8015M DHS TPH LUFT

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	**8015B TPHgas**	**10/15/08**	**10/15/08**	**390**	**50**	**ug/L**	**1:1**

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Test Certificate of Analysis

Client ID	Ninyo & Moore	**Workorder ID**	Holland Oil
Workorder #	18643	**Sampled**	10/14/08
Laboratory ID	18643008	**Received**	10/15/08
Sample ID	MW-8	**Reported**	10/17/08
Matrix	Water		

8015M DHS TPH LUFT - 8015B TPHgas (continued)

Surrogates	Result	Recovery	Limits
Trifluorotoluene	19 ug/L	95 %	(65 - 135)

Laboratory ID	18643009	**Sampled**	10/14/08
Sample ID	MW-9	**Received**	10/15/08
Matrix	Water	**Reported**	10/17/08

8015M DHS TPH LUFT

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	10/15/08	10/15/08	ND	50	ug/L	1:1

Surrogates	Result	Recovery	Limits
Trifluorotoluene	17 ug/L	85 %	(65 - 135)

Laboratory ID	18643010	**Sampled**	10/14/08
Sample ID	MW-10	**Received**	10/15/08
Matrix	Water	**Reported**	10/17/08

8015M DHS TPH LUFT

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	10/15/08	10/15/08	ND	50	ug/L	1:1

Surrogates	Result	Recovery	Limits
Trifluorotoluene	16 ug/L	80 %	(65 - 135)

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Test Certificate of Analysis

Client ID Ninyo & Moore
Workorder # 18643 **Workorder ID** Holland Oil

Laboratory ID 18643011 **Sampled** 10/14/08
Sample ID MW-11 **Received** 10/15/08
Matrix Water **Reported** 10/17/08

8015M DHS TPH LUFT

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	10/15/08	10/15/08	ND	50	ug/L	1:1

Surrogates	Result	Recovery	Limits
Trifluorotoluene	15 ug/L	75 %	(65 - 135)

Laboratory ID 18643012 **Sampled** 10/14/08
Sample ID MW-12 **Received** 10/15/08
Matrix Water **Reported** 10/17/08

8015M DHS TPH LUFT

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas[1]	**8015B TPHgas**	**10/15/08**	**10/15/08**	**110**	**50**	**ug/L**	**1:1**

Surrogates	Result	Recovery	Limits
Trifluorotoluene	14 ug/L	70 %	(65 - 135)

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1 - TPHgas was weathered.

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Test Certificate of Analysis

Client ID Ninyo & Moore
Workorder # 18643 **Workorder ID** Holland Oil

Parameter TPHdiesel
Method 8015B TPHd

Lab ID	Sample ID	Result	RL	Units	Collected	Analyzed	Matrix	Dilution
18643001	MW-1	550	50	ug/L	10/13/08	10/16/08	Water	1:1
18643002	MW-2	ND	50	ug/L	10/13/08	10/16/08	Water	1:1
18643003	MW-3	ND	50	ug/L	10/13/08	10/16/08	Water	1:1
18643004	MW-4	660	50	ug/L	10/13/08	10/16/08	Water	1:1
18643005	MW-5	ND	50	ug/L	10/13/08	10/16/08	Water	1:1
18643006	MW-6	600	50	ug/L	10/13/08	10/16/08	Water	1:1
18643007	MW-7	ND	50	ug/L	10/13/08	10/16/08	Water	1:1
18643008	MW-8	500	50	ug/L	10/14/08	10/16/08	Water	1:1
18643009	MW-9	ND	50	ug/L	10/14/08	10/16/08	Water	1:1
18643010	MW-10	ND	50	ug/L	10/14/08	10/16/08	Water	1:1
18643011	MW-11	ND	50	ug/L	10/14/08	10/16/08	Water	1:1
18643012	MW-12	ND	50	ug/L	10/14/08	10/16/08	Water	1:1

Method Blank Report

Client ID Ninyo & Moore
Workorder ID Holland Oil
Laboratory ID 87941
Sample ID MB for HBN 353953 [VMXV/3057]
Matrix Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
Dichlorodifluoromethane	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Chloromethane	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Vinyl chloride	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Bromomethane	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Chloroethane	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Trichlorofluoromethane	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Acrolein	8260B	10/15/08	10/15/08	ND	10	ug/L	1:1
1,1-Dichloroethene	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Acetone	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Iodomethane	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Carbon disulfide	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Dichloromethane	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1

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Method Blank Report

Client ID Ninyo & Moore
Workorder ID Holland Oil
Laboratory ID 87941
Sample ID MB for HBN 353953 [VMXV/3057]
Matrix Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
(continued)							
Acrylonitrile	8260B	10/15/08	10/15/08	ND	10	ug/L	1:1
trans-1,2-Dichloroethene	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1-Dichloroethane	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
cis-1,2-Dichloroethene	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2-Butanone	8260B	10/15/08	10/15/08	ND	5.0	ug/L	1:1
Bromochloromethane	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Chloroform	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2,2-dichloropropane	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1,1-Trichloroethane	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1-dichloropropane	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Carbon tetrachloride	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Benzene	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2-Dichloroethane	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Dibromomethane	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Bromodichloromethane	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2-Dichloropropane	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Trichloroethene	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2-Chloroethylvinyl ether	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
cis-1,3-Dichloropropene	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
4-Methyl-2-pentanone	8260B	10/15/08	10/15/08	ND	5.0	ug/L	1:1
trans-1,3-Dichloropropene	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1,2-Trichloroethane	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Toluene	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2-Dibromoethane	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,3-Dichloropropane	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2-Hexanone	8260B	10/15/08	10/15/08	ND	10	ug/L	1:1
Dibromochloromethane	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Tetrachloroethene	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1,1,2-Tetrachloroethane	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Chlorobenzene	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Ethylbenzene	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
m,p-Xylene	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Bromoform	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1

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Method Blank Report

Client ID	Ninyo & Moore
Workorder ID	Holland Oil
Laboratory ID	87941
Sample ID	MB for HBN 353953 [VMXV/3057]
Matrix	Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
(continued)							
Styrene	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
o-Xylene	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,1,2,2-Tetrachloroethane	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2,3-Trichloropropane	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Isopropylbenzene	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Bromobenzene	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
n-Propylbenzene	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
2-Chlorotoluene	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
4-Chlorotoluene	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,3,5-Trimethylbenzene	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
tert-Butylbenzene	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2,4-Trimethylbenzene	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
sec-Butylbenzene	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,3-Dichlorobenzene	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,4-Dichlorobenzene	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
4-Isopropyltoluene	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2-Dichlorobenzene	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
n-Butylbenzene	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2-Dibromo-3-chloropropane	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2,4-Trichlorobenzene	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Naphthalene	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Hexachlorobutadiene	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
1,2,3-Trichlorobenzene	8260B	10/15/08	10/15/08	ND	1.0	ug/L	1:1
Methyl-tert-butyl-ether	8260B	10/15/08	10/15/08	ND	0.5	ug/L	1:1

Surrogates	Result	Recovery	Limits
1,2-Dichloroethane-d4	44 ug/L	88 %	(65 - 135)
Toluene d8	46 ug/L	92 %	(65 - 118)
4-Bromofluorobenzene	47 ug/L	94 %	(65 - 133)

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Lab Control Sample Report

Client ID Ninyo & Moore
Workorder ID Holland Oil
Laboratory ID 87942
Sample ID LCS for HBN 353953 [VMXV/3057]
Matrix Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
1,1-Dichloroethene	8260B	10/15/08	10/15/08	52	1.0	ug/L	1:1
Benzene	8260B	10/15/08	10/15/08	58	1.0	ug/L	1:1
Trichloroethene	8260B	10/15/08	10/15/08	51	1.0	ug/L	1:1
Toluene	8260B	10/15/08	10/15/08	55	1.0	ug/L	1:1
Chlorobenzene	8260B	10/15/08	10/15/08	54	1.0	ug/L	1:1

Lab Control Sample Duplicate Report

Client ID Ninyo & Moore
Workorder ID Holland Oil
Laboratory ID 87943
Sample ID LCSD for HBN 353953 [VMXV/3057
Matrix Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
1,1-Dichloroethene	8260B	10/15/08	10/15/08	52	1.0	ug/L	1:1
Benzene	8260B	10/15/08	10/15/08	58	1.0	ug/L	1:1
Trichloroethene	8260B	10/15/08	10/15/08	51	1.0	ug/L	1:1
Toluene	8260B	10/15/08	10/15/08	55	1.0	ug/L	1:1
Chlorobenzene	8260B	10/15/08	10/15/08	54	1.0	ug/L	1:1

Matrix Spike Report

Client ID Ninyo & Moore
Workorder ID Holland Oil
Laboratory ID 87944
Sample ID MS for HBN 353953 [VMXV/3057]
Matrix Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
1,1-Dichloroethene	8260B	10/15/08	10/15/08	49	1.0	ug/L	1:1
Benzene	8260B	10/15/08	10/15/08	57	1.0	ug/L	1:1
Trichloroethene	8260B	10/15/08	10/15/08	49	1.0	ug/L	1:1
Toluene	8260B	10/15/08	10/15/08	52	1.0	ug/L	1:1

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Matrix Spike Report

Client ID Ninyo & Moore
Workorder ID Holland Oil
Laboratory ID 87944
Sample ID MS for HBN 353953 [VMXV/3057]
Matrix Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
(continued)							
Chlorobenzene	8260B	10/15/08	10/15/08	52	1.0	ug/L	1:1

Matrix Spike Duplicate Report

Client ID Ninyo & Moore
Workorder ID Holland Oil
Laboratory ID 87945
Sample ID MSD for HBN 353953 [VMXV/3057]
Matrix Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
1,1-Dichloroethene	8260B	10/15/08	10/15/08	48	1.0	ug/L	1:1
Benzene	8260B	10/15/08	10/15/08	55	1.0	ug/L	1:1
Trichloroethene	8260B	10/15/08	10/15/08	46	1.0	ug/L	1:1
Toluene	8260B	10/15/08	10/15/08	48	1.0	ug/L	1:1
Chlorobenzene	8260B	10/15/08	10/15/08	50	1.0	ug/L	1:1

Method Blank Report

Client ID Ninyo & Moore
Workorder ID Holland Oil
Laboratory ID 87958
Sample ID MB for HBN 353961 [VGXV/2959]
Matrix Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	10/15/08	10/15/08	ND	50	ug/L	1:1

Surrogates	Result	Recovery	Limits
Trifluorotoluene	16 ug/L	80 %	(65 - 135)

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Lab Control Sample Report

Client ID Ninyo & Moore
Workorder ID Holland Oil
Laboratory ID 87959
Sample ID LCS for HBN 353961 [VGXV/2959]
Matrix Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	10/15/08	10/15/08	862	50	ug/L	1:1

Lab Control Sample Duplicate Report

Client ID Ninyo & Moore
Workorder ID Holland Oil
Laboratory ID 87960
Sample ID LCSD for HBN 353961 [VGXV/2959
Matrix Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	10/15/08	10/15/08	823	50	ug/L	1:1

Matrix Spike Report

Client ID Ninyo & Moore
Workorder ID Holland Oil
Laboratory ID 87961
Sample ID MS for HBN 353961 [VGXV/2959]
Matrix Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHgas	8015B TPHgas	10/15/08	10/15/08	869	50	ug/L	1:1

Matrix Spike Duplicate Report

Client ID Ninyo & Moore
Workorder ID Holland Oil
Laboratory ID 87962
Sample ID MSD for HBN 353961 [VGXV/2959]
Matrix Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution

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Matrix Spike Duplicate Report

Client ID Ninyo & Moore
Workorder ID Holland Oil
Laboratory ID 87962
Sample ID MSD for HBN 353961 [VGXV/2959]
Matrix Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
(continued)							
TPHgas	8015B TPHgas	10/15/08	10/15/08	889	50	ug/L	1:1

Method Blank Report

Client ID Ninyo & Moore
Workorder ID Holland Oil
Laboratory ID 87963
Sample ID MB for HBN 353964 [SGXV/2525]
Matrix Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHdiesel	8015B TPHd	10/15/08	10/16/08	ND	50	ug/L	1:1

Lab Control Sample Report

Client ID Ninyo & Moore
Workorder ID Holland Oil
Laboratory ID 87964
Sample ID LCS for HBN 353964 [SGXV/2525]
Matrix Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
TPHdiesel	8015B TPHd	10/15/08	10/16/08	996	50	ug/L	1:1

Lab Control Sample Duplicate Report

Client ID Ninyo & Moore
Workorder ID Holland Oil
Laboratory ID 87965
Sample ID LCSD for HBN 353964 [SGXV/2525
Matrix Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution

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Lab Control Sample Duplicate Report

Client ID Ninyo & Moore
Workorder ID Holland Oil
Laboratory ID 87965
Sample ID LCSD for HBN 353964 [SGXV/2525
Matrix Water

Parameter	Method	Prep Date	Analyzed	Result	RL	Units	Dilution
(continued)							
TPHdiesel	8015B TPHd	10/15/08	10/16/08	985	50	ug/L	1:1

Client ID Ninyo & Moore
Workorder ID Holland Oil
QC Batch VMX 3100
Matrix Water
Original Samples 18643002
Matrix Spike [87944]
Matrix Spike Duplicate [87945]

Parameter	Spike %Recovery	Spike Dup %Recovery	Recovery Limits	RPD	RPD Limits
1,1-Dichloroethene	98	96	(61-145)	2.1	(20 MAX)
Benzene	114	110	(76-127)	3.6	(20 MAX)
Trichloroethene	98	92	(71-135)	6.3	(20 MAX)
Toluene	104	96	(76-130)	8.0	(20 MAX)
Chlorobenzene	104	100	(75-130)	3.9	(20 MAX)

Client ID Ninyo & Moore
Workorder ID Holland Oil
QC Batch VGX 3079
Matrix Water
Original Samples 18643002
Matrix Spike [87961]
Matrix Spike Duplicate [87962]

Parameter	Spike %Recovery	Spike Dup %Recovery	Recovery Limits	RPD	RPD Limits
TPHgas	87	89	(65-135)	2.3	(20 MAX)

Client ID Ninyo & Moore
Workorder ID Holland Oil
QC Batch VMX 3100
Matrix Water
Samples Lab Control Sample [87942]
Lab Control Sample Duplicate [87943]

Parameter	Check %Recovery	Check Dup %Recovery	Recovery Limits	RPD	RPD Limits

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1,1-Dichloroethene	104	104	(65-145)	00	(20 MAX)
Benzene	116	116	(71-127)	00	(20 MAX)
Trichloroethene	102	102	(75-135)	00	(20 MAX)
Toluene	110	110	(76-135)	00	(20 MAX)
Chlorobenzene	108	108	(76-135)	00	(20 MAX)

Client ID Ninyo & Moore
Workorder ID Holland Oil
QC Batch VGX 3079
Matrix Water **Samples** Lab Control Sample [87959]
Lab Control Sample Duplicate [87960]

Parameter	Check %Recovery	Check Dup %Recovery	Recovery Limits	RPD	RPD Limits
TPHgas	86	82	(65-135)	4.8	(20 MAX)

Client ID Ninyo & Moore
Workorder ID Holland Oil
QC Batch SGX 2555
Matrix Water **Samples** Lab Control Sample [87964]
Lab Control Sample Duplicate [87965]

Parameter	Check %Recovery	Check Dup %Recovery	Recovery Limits	RPD	RPD Limits
TPHdiesel	100	98	(65-135)	2.0	(20 MAX)

SPARGER TECHNOLOGY, INC.
Analytical Laboratory
3050 Fite Circle, #112 Sacramento, CA 95827
Phone: (916) 362-8947
FAX: (916) 362-0947

CHAIN OF CUSTODY RECORD
C.O.C. No. 22060
Page 1 **of** 2 **STAL Invoice Number:**

Company: Ninyo & Moore Phone: 510-633-5640
Project Manager: Glenn Reiss FAX: 510-633-5646
Report Address: 1956 Webster Street, Oakland CA, 94612
Billing Name & Address: same

Project Name: Holland 0.1 Project/Job#: 401344002
Project Location: 16301 East 14th St. P.O.#:

ANALYSIS REQUEST

REMARKS:

Sampler's Name: Cem Atalek

		All OK	None OK	Some OK
Cooler Temp.	°C			
Sample Condition				
pH				

WET(STLC)
TCLP

NO.	SAMPLE ID	Sampling: Date	Sampling: Time	Container: 40 mL VOA	Container: Brass Sleeve	Container: 1 L amber bottle	Container: 250 mL Plastic	Container: Other:	Preservative Used: HCl	HNO3 (CE)	None	Other:	Matrix: Water	Soil	Air	Other:
1	DB-1B	10/1/08	10:30	6		1				X	X		X			
2	DB-2		11:45													
3	DB-3		2:45													
4	MW-9-2		3:40											X		
5	MW-9-5		3:45													
6	MW-9-10		3:50													
7	SB-9-2	10/2/08	1:00											X		
8	SB-9-5		1:15													
9	SB-9-10		1:30													
10	SB-10-2		2:15													

NO.	BTEX (602/8020)503.1	BTEX/TPHgas (602/8020/8015) MTBE	TPHdiesel/TPHmotor oil/kerosene(8015)	EPA 601/8010/502.2/504/8021	EPA 602/8020	EPA 608/8080 (Pesticides)/505/508	EPA 608/8080 (PCB'S)	EPA 624/8240/524.2/8260	EPA 625/8270/525	Total Oil & Grease (5520)	Non-Polar O & G/TRPH (418.1)	Organic Lead	RCI	VOCs (8260)	CAM-17 Metals	CAM-5 Metals (Cd, Cr, Pb, Ni, Zn)	Lead	TAT: Standard	Rush Services (72hr / 48hr / 24hr / 12hr)	Holiday/Weekend Rush
1		X	X											X				X		
2																				
3																				
4																				
5																				
6																				
7		X	X											X				X		
8																				
9																				
10																				

Relinquished by: Cem Atalek
Date: 10/3/08 Time: 8:30

Received by:
Date: 10/3/08 Time: 8:30

Relinquished by:
Date: Time:

Received by:
Date: Time:

PLEASE READ REVERSE SIDE FOR TERMS AND CONDITIONS

Sparger Technology, Inc.
Environmental Laboratories

3738 Bradview Drive
Sacramento, CA 95827
Voice: (916) 369-7688
Fax: (916) 369-7689
Email: SPARGER@SPARGERTECHNOLOGY.COM

WORKORDER #:

REMARKS:

Page: 2 of 2

Chain of Custody and Analysis Request

Project Contact (Hardcopy and/or PDF to): Glenn Reiss	California EDF Report? ○ YES ⊘ NO
Company/Address: 1956 Webster St. Oakland, CA 94612	OPTIONAL Sampling Company Log Code:
Phone #: 510-633-5640 / Fax #: 510-633-5646	Global ID:
Project #: 401314002 / P.O. #:	EDF Deliverable To (Email Address):
Project Name: Holland Oil	Sampler's Signature: / Sampler's Name (PRINT): Cem Atabek
Project Address: 16301 E. 14th St San Leandro	

Sampling

NO.	SAMPLE ID	Date	Time	Container: 40 mL VOA	Container: SLEEVE	Preservative: HCL	Preservative: HNO_3	Preservative: ICE	Preservative: NONE	Matrix: WATER	Matrix: SOIL	BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas/BTEX (8260B)	7 Oxygenates/TPH Gas/BTEX (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1,2 DCA & 1, 2 EDB - 8260B)	EPA 8260B (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421/239.2) Total (X) W.E.T (X)	VOCs (8260)	TAT: 12 hr/ 24 hr/ 48 hr/ 72 hr/ (wk)
1	SB-10-5	10/2/08	2:25								X		X	X											X	X
2	SB-10-10	↓	2:35																							
3	SB-11-3		3:00																							
4	SB-11-8		3:15																							
5	SB-11-11		3:30																							
6	SB-12-2		3:45																							
7	SB-12-5		4:00																							
8	SB-12-10	↓	4:15					↓			↓															
9																										
10																										

Relinquished By:	Date	Time	Relinquished By:	Date	Time	Relinquished By:	Date	Time	Received By:	Date	Time
Cem Atabek	10/3/08	8:30	[illegible]	10/3/08	8:30						

Distribution: (WHITE)-LAB, (YELLOW)-ORIGINATOR

Bill to:

PLEASE READ REVERSE SIDE FOR TERMS AND CONDITIONS

APPENDIX I

MONITORING WELL SURVEY REPORT

Virgil Chavez Land Surveying
721 Tuolumne Street
Vallejo, California 94590
(707) 553-2476 • Fax (707) 553-8698

October 27, 2008
Project No.: 2944-01

Glenn Reiss
Ninyo & Moore
1956 Webster Street, Suite 400
Oakland, CA 94612

Subject: Monitoring Well Survey
16301 E. 14th Street
San Leandro, Ca.

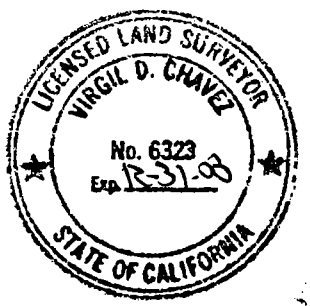
Dear Glenn:

This is to confirm that we have proceeded at your request to survey the monitoring wells and borings located at the above referenced site. The survey was completed on October 9, 2008. The benchmark for this survey was a USGS brass disk stamped "M-1256 1974". The latitude, longitude and coordinates are for top of casings and are based on the California State Coordinate System, Zone III (NAD83).
Benchmark Elevation =73.39 feet (NGVD 29).

Latitude	Longitude	Northing	Easting	Elev.	Desc.
				37.01	RIM MW-1
37.6956408	-122.1161923	2079798.44	6094076.68	36.59	TOC MW-1
				37.52	RIM MW-2
37.6952347	-122.1161200	2079650.23	6094095.04	37.33	TOC MW-2
				37.63	RIM MW-3
37.6955512	-122.1157164	2079763.44	6094213.81	37.38	TOC MW-3
				37.18	RIM MW-4
37.6955255	-122.1162804	2079756.90	6094050.48	36.77	TOC MW-4
				36.64	RIM MW-5
37.6958810	-122.1162744	2079886.31	6094054.45	36.24	TOC MW-5
				37.66	RIM MW-6
37.6954207	-122.1160059	2079717.37	6094129.23	37.15	TOC MW-6
				37.12	RIM MW-7
37.6957507	-122.1157862	2079836.44	6094194.85	36.82	TOC MW-7
				37.27	RIM MW-8
37.6955849	-122.1159540	2079776.92	6094145.26	36.81	TOC MW-8
				37.77	RIM MW-9
37.6955277	-122.1152293	2079752.45	6094354.55	37.22	TOC MW-9
				36.97	RIM MW-10
37.6951921	-122.1164046	2079636.14	6094012.45	36.79	TOC MW-10
				36.45	RIM MW-11
37.6954182	-122.1164044	2079718.47	6094013.94	36.20	TOC MW-11
				36.40	RIM MW-12
37.6957303	-122.1164125	2079832.11	6094013.55	36.06	TOC MW-12
37.6958152	-122.1161730	2079861.85	6094083.35	37.01	B-4
37.6954034	-122.1152214	2079707.17	6094356.07	37.72	B-10
37.6953526	-122.1154246	2079689.70	6094296.96	38.20	B-11

Virgil Chavez Land Surveying
721 Tuolumne Street
Vallejo, California 94590
(707) 553-2476 • Fax (707) 553-8698

Latitude	Longitude	Northing	Easting	Elev.	Desc.
37.6953717	-122.1151298	2079695.17	6094382.36	37.59	SV-1
37.6954760	-122.1152765	2079733.88	6094340.59	37.70	SV-2
37.6955896	-122.1154762	2079776.23	6094283.51	37.46	SV-3
37.6954657	-122.1150239	2079728.86	6094413.59	37.65	SV-4
37.6955726	-122.1151796	2079768.57	6094369.23	37.41	SV-5
37.6957033	-122.1153648	2079817.07	6094316.45	37.09	SV-6
37.6954351	-122.1160946	2079723.07	6094103.66	37.19	DB-1A
37.6954453	-122.1160989	2079726.79	6094102.48	37.31	DB-1B
37.6956011	-122.1161036	2079783.57	6094102.11	37.26	DB-2
37.6954481	-122.1158389	2079726.53	6094177.72	37.52	DB-3
37.6955409	-122.1154437	2079758.34	6094292.63	37.34	SB-9
37.6954718	-122.1156062	2079734.00	6094245.16	37.55	SB-12

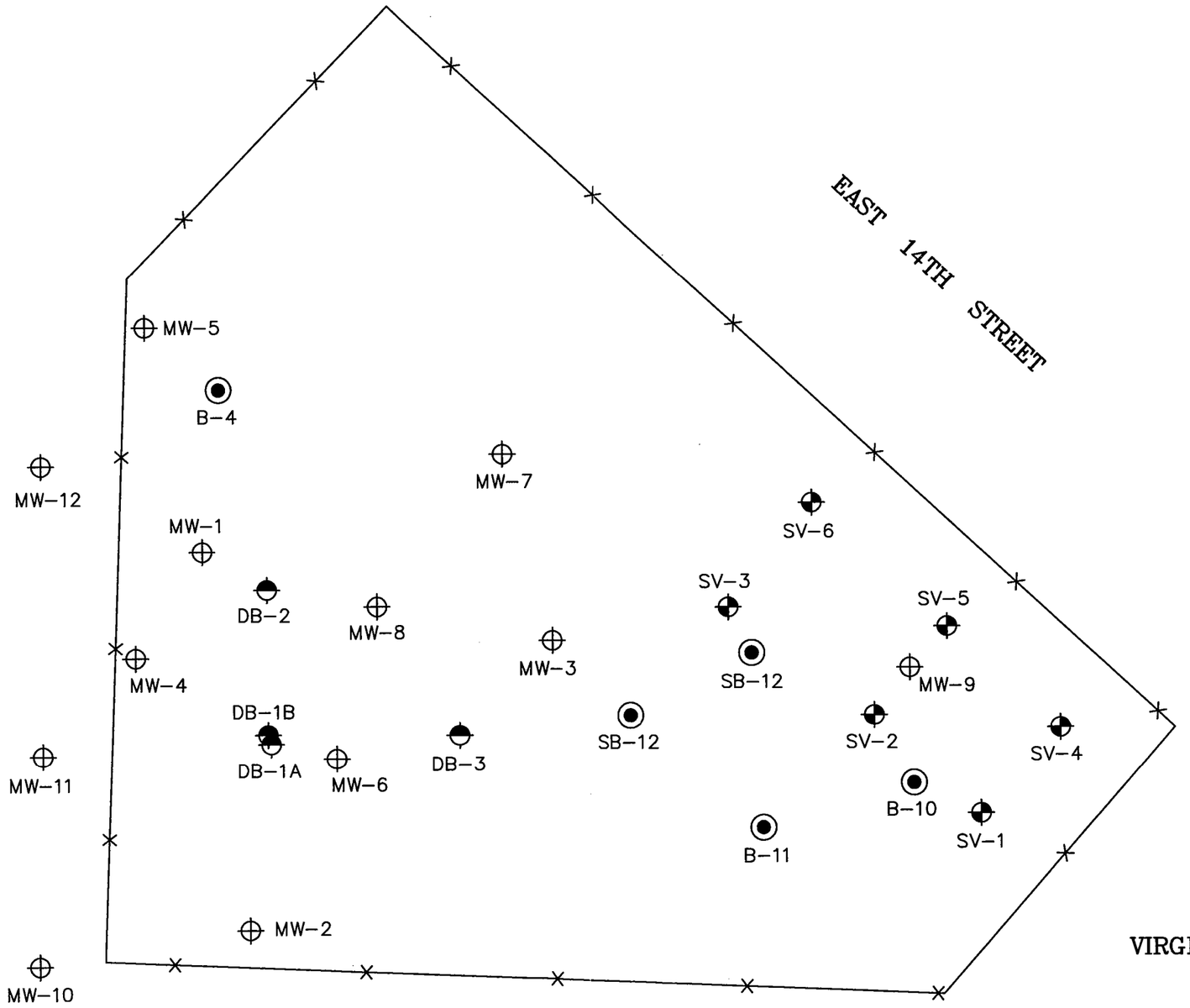


Sincerely,

Virgil D. Chavez, PLS 6323

MONITORING WELL PLAT

16301 EAST 14TH STREET
SAN LEANDRO, CA



LICENSED LAND SURVEYOR
VIRGIL D. CHAVEZ
No. 6323
Exp. 12-31-08
STATE OF CALIFORNIA

Virgil D. Chavez

LEGEND

- ⊕ – MONITORING WELL
- ◉ – SOIL BORING
- ⊕ – SOIL VAPOR
- ⊕ – DEEP BORING

VIRGIL CHAVEZ LAND SURVEYING
721 TUOLUMNE STREET
VALLEJO, CALIFORNIA
(707) 553-2476

OCTOBER, 2008 SCALE: 1"=50'

DRAWING NO. 294401

APPENDIX J

WASTE DISPOSAL DOCUMENTATION

FILTER·RECYCLING SERVICES INC

P.O. Box 449
Colton, CA 92324-0449
1-800-698-4377

"PRESERVING OUR NATURAL RESOURCES"

Date: 11-11-08 | Invoice Number: 46805

Customer Number:

Customer Name:	Phone #:	Bill To:	Phone #:
HAYWARD AREA REC DEPT	510-772-7418	HAZ DISP SPEC	530-587-3000

Site Address:	Billing Address:
16301 E 14TH STREET	
City, State, Zip Code:	City, State, Zip Code:
SAN LEANDRO, CA 94578	

Sales Rep	Site Contact	C.O.D.	On Account	Purchase Order #	Billing Contact	Requested By
DR	CEM		XXX		DENNIS	

Quantity	Material Description	Manifest Number	Unit Price	Total Price
3	P/U 3 X 55 TO FRS	NH111008		
	DRIVER: CONTACT WILL MEET DRIVER			
	15 % ENERGY SURCHARGE COST MAY APPLY			

Facility Name:	Filter Recycling Services, Inc.	Time Left Plant:	9:00 AM	
Address:	180 West Monte Avenue - Rialto, CA 92316	Job Start Time:	10:30 AM	
EPA ID Number:	CAD982444481	Job End Time:	11:00 AM	
Drivers Signature:		Plant Return Time:		

It is Generator's responsibility to correctly identify chemical composition. If material is rejected by disposal site, generator agrees to pay all testing & transportation charges. Invoice is subject to a 1.5% monthly interest rate, with net 30 day terms from date of service.

Subtotal	
Sales Tax	
Total	

Received By: _____ Print Name: Cem Atabek

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	1	800-(0)-4777	MH111028

GENERATOR

5. Generator's Name and Mailing Address: Hayward Area Rec. Dept
1419 E. St.
Hayward, CA 94541
Generator's Phone: 510-723-0519

Generator's Site Address (if different than mailing address): 16501 E. 14th St.
San Leandro, CA 94578

6. Transporter 1 Company Name: Environmental Logistics — U.S. EPA ID Number: CAR000172428

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Filter Recycling Services
150 W Market Ave
Reno, NV 89376
Facility's Phone: 1-877-451-3013 — U.S. EPA ID Number: CAD983444451

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Water - Non hazardous Waste Liquid	3	DM	150	G	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
Water
Approval #: 3955
Bill to: HDS Inc.

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/Offeror's Printed/Typed Name: X Com Arbelo — Signature: X — Month: 11 — Day: 11 — Year: 08

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: CHRIS GEBHARDT — Signature: — Month: 11 — Day: 11 — Year: 08

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

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