

ANDREW E. CULLEN
VICE PRESIDENT, ENVIRONMENTAL AND
TELECOMMUNICATION SERVICES

I declare, under penalty of perjury, that the information and recommendations contained in the attached document are true and correct to the best of my knowledge.

Sincerely,

A handwritten signature in blue ink that reads "Andrew Cullen" followed by a small mark that looks like "xmy".

Andrew Cullen
Penske Truck Leasing Company

RECEIVED

8:44 am, Nov 30, 2009

Alameda County
Environmental Health



Stantec

Stantec Consulting Corporation
57 Lafayette Circle, 2nd Floor
Lafayette, California 94549
Tel: (925) 299-9300
Fax: (925) 299-9302

September 1, 2009

Mr. Paresh Khatri
Hazardous Materials Specialist
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

(Sent Via Electronic Upload to Alameda County ftp)

RE: Soil and Groundwater Investigation and Groundwater Monitoring Report
Former Penske Truck Leasing Facility
725 Julie Ann Way
Oakland, California
Alameda County Site ID RO0000364
PN: 185701155

Dear Mr. Khatri:

Stantec Consulting Corporation (Stantec) on behalf of Penske Truck Leasing Company (Penske) is submitting this *Soil and Groundwater Investigation and Groundwater Monitoring Report* for the site located at 725 Julie Ann Way in Oakland, California (the Site). This report provides findings of the April 2009 soil and groundwater investigation and groundwater monitoring event that was conducted in accordance with Stantec's February 5, 2009 *Work Plan for Additional Soil and Groundwater Investigation* (Work Plan). The Work Plan was approved by the Alameda County Environmental Health Services (ACEHS) in a letter dated March 16, 2009 (Appendix A).

BACKGROUND

Two fuel storage underground storage tanks (USTs) and one waste oil UST were removed from the Site in 1989. Following removal, over-excavation resulted in significant remediation of petroleum hydrocarbon-impacted soils; however, subsequent investigations revealed the presence of significant concentrations of fuel hydrocarbons in soils and groundwater, primarily in the southern corner of the Site in the vicinity of existing monitoring wells MW-1 and MW-7. Groundwater monitoring wells were installed at the Site beginning in 1990, and quarterly groundwater monitoring was conducted between 1997 and 2002. Free-phase product was frequently observed in groundwater monitoring wells MW-1 and MW-7, and elevated concentrations of dissolved-phase fuel hydrocarbons and associated compounds were typically present in wells MW-1, MW-4, and MW-7.

In order to reduce or eliminate the presence of free-phase product in groundwater and saturated soils, Stantec (previously SECOR International Incorporated) implemented a chemical oxidation treatment program at the Site in September 2000. The program consisted of injecting Fenton's reagent into approximately 50 direct-push injection points throughout the contaminated zone, but concentrated in the area of highest observed impacts (see Figure 2). Fenton's reagent is a strong oxidizer consisting of hydrogen peroxide, sulfuric acid, and ferrous iron, which oxidizes hydrocarbons upon contact to carbon dioxide and water. Post-treatment monitoring confirmed that chemical oxidation was successful in

significantly reducing the amount of free-phase product in wells MW-1 and MW-7, and in reducing concentrations of dissolved-phase petroleum hydrocarbons in groundwater across the Site.

Stantec, on behalf of Penske, submitted a document entitled, "*Request for Conditional Site Closure*," dated March 2, 2004. The document requested conditional site closure from the ACEHS, based on the results of the chemical oxidation program and on the agency's previous concurrence that groundwater protection standards should be protective of aquatic life, but not drinking water. The ACEHS responded to the document in a letter dated April 8, 2008, denying regulatory case closure based, in part, on the presence of petroleum hydrocarbon sheen in well MW-1 during post-remediation monitoring in December 2002. The ACEH requested that Penske perform post-remediation source area characterization, evaluate the ability of Site monitoring wells to effectively monitor the presence of free-phase product on groundwater, complete a preferential pathway and receptor survey, gauge Site wells for presence of free product on a semi-annual basis, and upload Site data to the state's GeoTracker® database.

Stantec submitted the preferential pathway evaluation with the Work Plan dated February 5, 2009. The preferential pathway study identified several subsurface conduits believed to be associated with the former USTs. The scope of work proposed on the Work Plan included two soil borings to evaluate chemical conditions and soil properties in the vicinity of the conduits. The preferential pathway study and proposed scope of work were approved in ACEHS correspondence dated March 16, 2009, with additional requests to sample soil and groundwater for naphthalene and lead scavengers.

OBJECTIVES AND SCOPE OF WORK

The objectives of the scope of work described in this document are as follows:

- Assess concentrations of petroleum hydrocarbons in soils following Fenton's reagent treatment applied in October 2000; and
- Determine if Site wells are screened appropriately for observation of free-phase product by advancing direct-push soil borings adjacent to monitoring wells for observation of soil and groundwater conditions and comparison of groundwater chemical data.

The following sections describe the scope of work performed.

Soil and Groundwater Investigation

Preliminary Activities

Stantec obtained a soil boring permit from the Alameda County Public Works Agency (included in Appendix B). A site-specific health and safety plan (HASp) describing potential chemical and physical hazards associated with the proposed investigation activities was prepared and kept on-Site at all times while work was occurring. The proposed soil boring locations were marked in white paint and Underground Service Alert (USA) was notified at least 72 hours in advance. In addition, Stantec contracted with the private geophysical surveyor, Norcal Geophysical Consultants (Norcal) to confirm that the proposed soil boring locations were clear of detectable subsurface utilities or other obstructions.

Advancement of Direct-Push Soil Borings

The subsurface investigation consisted of advancing eight direct-push soil borings for collection of soil and grab groundwater samples. On April 21 and 22, 2009, soil borings SB-1 through SB-8 were advanced by Gregg Drilling (C-57 License No. 485165), under supervision of a Stantec geologist. The locations of the soil borings are illustrated on Figure 2. Soil borings SB-2, SB-5, and SB-6, were located

directly adjacent to monitoring wells MW-1, MW-4, and MW-7, wells that have historically reported the highest concentrations of petroleum hydrocarbons. Soil borings SB-1, SB-3, SB-4, and SB-7 were advanced at representative locations as illustrated on Figure 2, to evaluate soil conditions in the former Fenton's treatment area, evaluate vadose-zone soil conditions for the presence of coarse-grained materials which may influence subsurface migration of contaminants, and evaluate soil conditions in locations near subsurface features that may have been associated with previous underground tank operations. Soil boring SB-8 was advanced in the vicinity of previously unidentified lines that may have been associated with the use of the former USTs.

The first 5 feet of each soil boring location were advanced using a hand auger to confirm the absence of shallow subsurface utilities or other obstructions, with the exception of soil borings SB-1 and SB-4 that were hand augered to 4 and 4.5 feet below ground surface (ft-bgs), respectively, due to the presence of concrete and/or brick debris which precluded use of the hand auger. Soil boring SB-1 was advanced to 10 ft-bgs, soil borings SB-2 through SB-6 were advanced to 12 ft-bgs, and soil borings SB-7 and SB-8 were advanced to 20 ft-bgs.

After hand augering, soil borings were advanced to total depth using direct-push drilling equipment equipped with a 4-foot sample barrel and clear plastic liners. Recovered soil cores were logged in accordance with the Unified Soil Classification System (USCS), and screened at approximate 3-foot intervals for the presence of volatile organic vapors using a photoionization detector (PID). Soil classifications, PID readings, and selected sample intervals were recorded on soil boring logs, attached as Appendix C. Soil borings were advanced to first-encountered groundwater, to a maximum depth of 20 ft-bgs.

Soil and Groundwater Sample Collection

Between two and five unsaturated soil samples between 5 and 19 ft-bgs from each soil boring were retained for chemical based on field evidence of chemical impact (visual or olfactory evidence, or elevated PID readings). Soil samples were collected by cutting the core barrel liner at the desired interval and capping each end with Teflon™ sheets and plastic end caps.

Soil borings were extended into first-encountered groundwater. Upon encountering groundwater in each borehole, the direct-push tool string was removed and a temporary polyvinyl chloride (PVC) well screen was inserted into the borehole. Grab groundwater samples were collected into laboratory-supplied containers using a disposable bailer.

Sample Handling and Analysis

All soil and groundwater samples were labeled and stored on ice pending delivery to TestAmerica Laboratories, Inc. (TestAmerica) in Pleasanton, California under chain-of-custody protocol. Samples were analyzed for the following constituents:

- Diesel range organics (DRO) by U.S. Environmental Protection Agency (USEPA) Method 8015M with silica gel treatment;
- Gasoline range organics (GRO) by USEPA Method 8260B with California Leaking Underground Fuel Test (CA LUFT) Method;
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX), methyl tertiary-butyl ether (MTBE), naphthalene, ethylene dichloride (reported as 1,2-dichloroethane), and ethylene dibromide by USEPA Method 8260B with CA LUFT Method.

Due to insufficient groundwater in soil boring SB-8, the groundwater sample from that location was not analyzed for total petroleum hydrocarbons as diesel (TPHd). All other samples were analyzed in accordance with the sampling analysis plan outlined above. A copy of the laboratory analytical report is included in Appendix D.

Soil Boring Abandonment and Waste Management

Upon completion of soil and grab groundwater sampling, borings were backfilled with bentonite cement grout and finished with a 4-to-6-inch concrete cap in accordance with ACPWA requirements. Soil cuttings and purge/rinsate water generated during soil boring activities were stored in California DOT-approved 55-gallon steel drums on-Site pending characterization and disposal.

Semi-Annual Monitoring and Groundwater Sampling

Stantec contracted with Blaine Tech Services (Blaine Tech) to conduct groundwater monitoring and sampling concurrent with the soil and groundwater investigation. Groundwater monitoring and sampling was conducted on April 22, 2009.

Groundwater Monitoring and Sampling Procedures

Wells MW-1, MW-2, MW-4, MW-7, MW-8, OW-1, and OW-2 were monitored for the presence of free-phase product and depth-to-water, and subsequently sampled. Wells MW-3, MW-5, and MW-6 were inadvertently not monitored because these wells were not included in the historical monitoring program on a regular basis. Prior to sampling, the presence of free-phase product was evaluated using an oil/water interface probe, and depth-to-groundwater was gauged using an electronic water-level meter. Field data were recorded on groundwater sample logs, attached as Appendix E.

Wells were purged of approximately three well casing volumes of water, with the exception of well MW-4. Only one well casing volume was removed from well MW-4 due to very slow recharge. Purging was conducted using a 2-inch-diameter electric submersible pump. During purging, the evacuated water was periodically measured for pH, electrical conductivity, and temperature, and visually inspected for color, presence of free product, and turbidity. Downhole dissolved oxygen (DO) measurements and oxidation reduction potential (ORP) measurements were recorded pre- and post-purging at each well. Ferrous iron was measured in each groundwater sample at the time of sampling using a HACH field test kit. Physical parameters, visual observations, and sampling notes were recorded on field data sheets (Appendix E).

Sample Handling and Analysis

Upon removal of the appropriate purge volume, samples were collected from each well using a disposable polyvinyl chloride bailer. Groundwater samples were transferred into laboratory-supplied glassware and stored on ice pending delivery to TestAmerica under chain-of-custody protocol. Groundwater samples were analyzed for the following constituents:

- DRO by USEPA Method 8015M with silica gel treatment;
- GRO by USEPA Method 8026B with CA LUFT Method;
- BTEX, MTBE, naphthalene, ethylene dichloride (reported as 1,2-dichloroethane), and ethylene dibromide by USEPA Method 8260B with CA LUFT Method; and
- Nitrate and sulfate using USEPA Method 300.

A copy of the laboratory analytical report is included in Appendix D.

Waste Management

Purge/rinsate water generated during soil boring activities were stored in California DOT-approved 55-gallon steel drums on-Site pending characterization and disposal.

DISCUSSION OF RESULTS

Subsurface Conditions

Soil borings were advanced to first-encountered groundwater with the total depth of investigation ranging from 10 to 20 ft-bgs. Soils consisted primarily of silt and clay with variable amounts of gravel. Soil borings SB-1 and SB-7 advanced within the former diesel UST tanks pits, encountered coarse-grained materials consistent with tank pit backfill. The presence of fine-grained soils above the gravel at these locations indicates that native soils generated during tank removal and excavation may have been used as shallow backfill material.

Groundwater was encountered most consistently at depths of 9 to 10.5 ft-bgs in soil borings SB-2, SB-3, and SB-4. During advancement of soil borings SB-5, SB-6, and SB-7, water-bearing sediments were not observed during drilling, but static groundwater was measured at depths ranging from 9 to 11 ft-bgs. Groundwater was encountered at 5.5 ft-bgs in coarse-grained suspected backfill materials in soil boring SB-1, and static water was observed at 19 ft-bgs in soil boring SB-8. Based on these observed conditions, depth to first-encountered groundwater at the time of investigation appears to be approximately 10 ft-bgs.

During drilling, soils were monitored for the presence of volatile organic vapors using a PID. Significantly elevated PID readings were recorded at soil borings SB-1 (up to 1,058 parts per million [ppm] at 4.5 ft-bgs), SB-5 (up to 120 ppm at 7 ft-bgs), and SB-6 (up to 337 ppm at 7 ft-bgs). PID readings are recorded on the soil boring logs.

The preferential pathway study recently completed by Stantec and presented in the Work Plan identified subsurface conduits extending from the former unleaded UST excavation and westernmost diesel UST excavation toward the on-Site building. The depth(s) of the lines could not be determined. As described in the Work Plan, Stantec advanced soil boring SB-8 near the northern terminus of the two lines (see Figure 2) to evaluate the potential for the conduit or related backfill materials to act as preferential pathways for migration of contaminants or impacted groundwater. Soil boring SB-7, advanced within the former diesel tank pit, was also located in the general vicinity of the abandoned lines. Soil boring SB-7 encountered intervals of sand and gravel between the ground surface and 8.5 ft-bgs. The lack of recovery between 8.5 and 12 feet may indicate the presence of loose gravel which was not recovered using the direct-push sampling tool. The presence of coarse-grained materials at this location is consistent with backfill materials emplaced following removal of the diesel UST. Similar coarse-grained materials were encountered between 3.5 and 5 ft-bgs at soil boring SB-7, and may represent trench backfill material. Poor sample recovery between 10 and 16 ft-bgs may indicate the presence of coarse-grained materials at this depth.

Static groundwater was measured at depths of 11 and 19 ft-bgs, respectively in soil borings SB-7 and SB-8. First-encountered water-bearing sediments were not identified during drilling; however, the lack of sample recovery and the suspected presence of coarse-grained sediments between 8.5 and 12 ft-bgs in soil boring SB-7 suggest the presence of first-encountered groundwater within this interval, which is consistent with subsurface data from elsewhere on the Site. If the conduits were located beneath the depth of first-encountered groundwater, they could act as preferential migratory pathways. However,

Stantec considers it unlikely that abandoned subsurface utilities are located deep enough to intersect first-encountered or static groundwater in this area of the Site. Elevated concentrations of petroleum hydrocarbons in groundwater identified in soil boring SB-7 (discussed below) are likely sourced from the former diesel UST, and chemical data indicate that appreciable chemical impact to groundwater does not extend to soil boring SB-8.

Groundwater Monitoring Results

Depth-to-groundwater measurements ranged from 4.19 to 5.52 feet below the top of casing, corresponding to a range of groundwater elevations of 0.40 to 0.80 relative to the local City of Oakland datum. Figure 3 illustrates the potentiometric surface map constructed using the groundwater elevation data. The groundwater flow direction towards the southwest is consistent with previous data from the Site. The calculated groundwater flow gradient is 0.01 feet per foot.

Free-phase product sheen was observed on the groundwater surface in well MW-1. Blaine Tech measured the thickness of the product at 0.01 inch, typically the smallest measurable unit offered by field instrumentation indicating trace levels of sheen in wells that have not been sampled in over five years. Free-product if present at significant concentrations in the surrounding clays and sandy soils will typically accumulate in well casing and sand pack. During purging, the free-product will typically remain on the water surface and even enter submerged well screens when the groundwater elevation is depressed by extraction. The fact that only trace levels of free-product were observed is indicative that only trace levels of free-product remain at the Site.

Soil Chemical Data

Up to four soil samples from each soil boring were retained for chemical analysis. Soil sample chemical results are summarized in Table 1 and illustrated graphically on Figure 4. For comparison, Table 1 includes Environmental Screening Levels (ESLs) for shallow and deep soils in a commercial/industrial setting. ESLs are risk-based screening levels established by the San Francisco Bay Regional Water Quality Control Board (RWQCB). Concentrations in excess of one or more screening levels does not mean that a significant risk exists, only that additional evaluation may be needed.

Detectable concentrations of diesel-range organics (DRO) were reported in all samples analyzed, at concentrations up to 210 milligrams per kilogram (mg/kg). Gasoline-range organics (GOR) were reported in 23 of the 28 samples analyzed at concentrations up to 12,000 mg/kg, and naphthalene was reported in 10 samples at concentrations up to 610 mg/kg. Benzene was reported in samples from soil boring SB-4 at a maximum concentration of 4.0 mg/kg, and ethylbenzene was reported in one sample from this location at 1.0 mg/kg.

Concentrations of GRO and DRO exceed ESLs in one or more samples from each soil boring. The highest concentrations of petroleum hydrocarbons and related constituents in soil were reported at soil boring SB-6, advanced adjacent to well MW-4, and soil boring SB-4, advanced within the Fenton's reagent treatment area between wells MW-1 and MW-7. In general, the highest concentrations of DRO were reported in samples from 5 ft-bgs. Lead scavengers ethylene dichloride and ethylene dibromide were not detected at or above laboratory reporting limits.

Groundwater Chemical Data

As specified in the Work Plan, the soil and groundwater investigation was conducted concurrently with a Site-wide groundwater monitoring and sampling event. Grab groundwater chemical data are tabulated on

Table 2 and presented graphically on Figure 5. Table 2 also includes groundwater ESLs for sites where groundwater is not a current or potential source of drinking water.

Grab Groundwater Chemical Data

DRO was reported at elevated concentrations in each of the seven grab groundwater samples analyzed. Concentrations ranged from 43,000 micrograms per liter ($\mu\text{g/l}$) to 4,000,000 $\mu\text{g/l}$. Concentrations of GRO ranged from 54 $\mu\text{g/l}$ to 300,000 $\mu\text{g/l}$. Benzene was detected in three grab groundwater samples at concentrations ranging from 6.2 to 12,000 $\mu\text{g/l}$. Ethylbenzene and MTBE were reported in two samples each at low concentrations and naphthalene was reported in one sample at 950 $\mu\text{g/l}$.

The highest concentrations of petroleum hydrocarbons in groundwater were reported in samples from soil borings SB-4 and SB-5. The range of elevated concentrations across the Site likely indicates the presence of free-phase product in the vicinity of the sample locations. Even a product sheen will significantly increase hydrocarbon concentrations.

Monitoring Well Groundwater Chemical Data

Current and historical groundwater chemical data is presented in Table 4 and illustrated graphically on Figure 5. DRO was reported in six of the seven wells sampled, and GRO was reported in five of the seven wells. The highest concentrations of DRO and GRO were reported in samples from wells MW-1 and MW-4. DRO and GRO were reported at concentrations of 13,000 and 480 $\mu\text{g/l}$, respectively, in the sample from well MW-4. DRO was reported in well MW-1 at concentrations of 3,200/12,000 $\mu\text{g/l}$ in duplicate samples, and GRO was reported at 310 $\mu\text{g/l}$. MTBE was reported in six of the seven wells at concentrations up to 8.9 $\mu\text{g/l}$. BTEX constituents and the lead scavengers ethylene dichloride and ethylene dibromide were not detected at or above laboratory reporting limits.

The ferrous iron, nitrate, and sulfate data provide an indication of where the petroleum hydrocarbons are being biodegraded by microbes using the nitrate and sulfate as electron donors in place of dissolved oxygen. Where ferrous iron is present and nitrate and sulfate are depressed, reducing conditions are present and microbes are very active anaerobically degrading petroleum hydrocarbons. Typically these conditions coincide with the highest petroleum hydrocarbon concentrations.

During the current sampling, nitrate, typically the first electron donor to be used, is present in all samples, except OW-1 and MW-2. Because OW-1 and OW-2 are located in the former tank cavity, it is difficult to assess whether the low nitrate and sulfate is due to biodegradation or from surface recharge into the former excavation diluting out the two anions. The high concentration of nitrate observed in wells MW-7 (15 mg/l) and MW-8 (14 mg/l) is indicative of a local groundwater source of nitrate, especially since both of these wells have had elevated petroleum hydrocarbon concentrations previously. The vegetation brought in by the firewood supplier on the adjacent lot or other landscape businesses in the area could contribute to the high nitrate concentrations.

Sulfate concentrations ranged from 380 mg/l in well MW-4 to 1.1 in OW-2. The variability in sulfate is indicative of both variable rates of biodegradation and variable sources of sulfate in groundwater across the Site. As stated above, the low nitrate and sulfate in OW-1 and OW-2 maybe attributable to surface water infiltration into the former tank cavity.

The ferrous iron data does not indicate high microbial activity in any of the areas given that concentrations ranged from <1 to 1.4 mg/l. Delaying ferrous iron measurement until after all wells are sampled can contribute to low ferrous iron concentrations where higher ferrous iron might be predicted.

Evaluation of Wells

In order to compare the depth to first-encountered groundwater to static the static groundwater elevation measured in the wells, direct-push soil borings were advanced directly adjacent to wells MW-1, MW-4, and MW-7. The goal of this exercise was to evaluate the capability of the well screen to intercept the potentiometric surface and accurately represent the presence of free-phase product on the groundwater table. Stantec compared historical well installation logs (attached as Appendix E) to logs generated during the current investigation. The following presents a comparison of the screened interval, static depth-to-water, and first-encountered depth to groundwater. The groundwater elevations referenced do not account for the small difference in elevation between the top of casing and the ground surface. Based on field observations, this difference is considered negligible for the objectives of this evaluation.

- ❑ Well MW-1 is screened between 10 and 35 ft-bgs, with an average static depth to groundwater over the last four monitoring events of 5.35 feet below the top of casing. The static depth-to-groundwater in soil boring SB-2, advanced adjacent to well MW-1, was measured at 9 ft-bgs.
- ❑ Well MW-4 is screened between 6.5 and 33.5 ft-bgs, with an average static depth-to-groundwater over the last four monitoring events of 5.11 feet below the top of casing. The static depth-to-groundwater in soil boring SB-6, advanced adjacent to well MW-4, was measured at 9 ft-bgs.
- ❑ Well MW-7 is screened between 14 and 29 ft-bgs, with an average static depth-to-groundwater over the last four monitoring events of 4.81 feet below the top of casing. The static depth-to-groundwater in soil boring SB-5, advanced adjacent to well MW-7, was measured at 9.5 ft-bgs.

Comparison of groundwater elevations measured in monitoring wells to those measured in direct-push soil borings indicates that groundwater beneath the Site is confined. Based on these observed differences in groundwater elevations and the relatively short duration the soil borings were open to atmospheric pressure, the groundwater elevation identified as 'static' in the attached soil boring logs likely approximates the depth of 'first-encountered' groundwater. Based on this comparison, well MW-4 is screened appropriately to monitor the top of the first-encountered water-bearing zone, and wells MW-1 and MW-7 are screened too deep. Static groundwater elevations within the wells typically submerge the entire well screen, rendering the three wells inappropriate monitoring points for evaluating the presence of free-phase product on the groundwater surface. This conclusion is supported by the significantly higher concentrations of petroleum hydrocarbon constituents reported in grab groundwater samples relative to the monitoring well samples. The wells are appropriate for monitoring the presence of dissolved-phase petroleum hydrocarbons in groundwater.

CONCLUSIONS AND RECOMMENDATIONS

Based on work performed to date, Stantec concludes the following:

- ❑ The application of Fenton's Reagent in 2000 was successful in reducing concentrations of dissolved petroleum hydrocarbons in groundwater, and in reducing the presence of free-phase product observed in Site wells. Soil and groundwater chemical data suggest that significant petroleum hydrocarbon mass remains in soil and groundwater. The effective range of Fenton's Reagent was likely limited by the predominance of fine-grained soils beneath the Site.
- ❑ Monitoring wells MW-1 and MW-7 are screened well below the potentiometric surface, rendering them ineffective monitoring points for the presence of free-phase product. The wells are still appropriate for monitoring the presence of dissolved petroleum hydrocarbons in groundwater.
- ❑ Groundwater was encountered consistently at depths of 9 to 10.5 ft-bgs. It is unlikely that utility conduits present in the vicinity of the former USTs are deep enough to intersect first-encountered groundwater.

Stantec recommends replacement of Site monitoring wells MW-1 and MW-7 to monitor the presence of free-phase product on the groundwater. Data collected from the new wells will be used to determine the need for additional remediation, or to support a case for regulatory closure.


If you have any questions regarding this document or the work scope presented herein, please contact the undersigned at (925) 299-9300.

Sincerely,

STANTEC CONSULTING CORPORATION



Khamly Chuop
Project Scientist



Angus McGrath, Ph.D.
Principal Geochemist



Neil Doran, P.G.
Senior Geologist



Mr. Paresh Khatri
September 1, 2009
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cc: Mr. Andrew Cullen, Penske Truck Leasing Company

TABLES

Soil and Groundwater Investigation and Groundwater Monitoring
Report
Former Penske Truck Leasing Facility
725 Julie Ann Way
Oakland, California
PN: 185701155
September 1, 2009

TABLE 1
Soil Sample Analytical Results
Penske Former Truck Leasing Facility
725 Julie Ann Way, Oakland, California

Sample ID	Depth (feet bgs)	Date	Method 8260B*	Method 8015B	Method 8260B*							Method 8260B
			(mg/kg)	(mg/kg)	(mg/kg)							(ug/kg)
			TPH-g	TPH-d	Benzene	Ethylbenzene	Toluene	Xylenes	MTBE	Ethylene Dichloride**	Ethylene Dibromide	Naphthalene
SB-1-4'	4	4/21/2009	210	170	<0.99	<0.99	<0.99	<2.0	<0.99	<0.99	<0.99	85
SB-1-8'	8	4/21/2009	64	460	<0.98	<0.99	<0.99	<2.0	<0.99	<0.99	<0.99	<36
SB-1-8.5'	8.5	4/21/2009	7.8	530	<0.019	<0.019	<0.019	<0.038	<0.019	<0.019	<0.019	<48
SB-2-5'	5	4/21/2009	<0.24	9.7	<0.004	<0.004	<0.004	<0.009	<0.004	<0.004	<0.004	<9.8
SB-2-8'	8	4/21/2009	97	370	<0.98	<0.98	<0.98	<2.0	<0.98	<0.98	<0.98	<45
SB-2-12'	12	4/21/2009	5.0	250	<0.016	<0.016	<0.016	<0.033	<0.016	<0.016	<0.016	<43
SB-3-5'	5	4/21/2009	0.26	20	<0.004	<0.004	<0.004	<0.009	<0.004	<0.004	<0.004	<9.7
SB-3-8'	8	4/21/2009	<1.2	2.5	<0.004	<0.004	<0.004	<0.009	<0.004	<0.004	<0.004	<9.7
SB-3-9'	9	4/21/2009	55	370	<0.99	<0.99	<0.99	<2.0	<0.99	<50	<50	<50
SB-3-12'	12	4/21/2009	20	270	<0.022	<0.022	<0.022	<0.043	<0.022	<0.022	<0.022	59
SB-4-4.5'	4.5	4/21/2009	3.1	1,600	<0.019	<0.019	<0.019	<0.038	<0.019	<0.019	<0.019	<40
SB-4-6.5'	6.5	4/21/2009	190	470	4.8	1.0	<0.98	<2.0	<0.98	<0.98	<0.98	610
SB-4-8.5'	8.5	4/21/2009	320	450	2.8	<0.94	<0.94	<1.9	<0.094	<0.094	<0.094	370
SB-4-12'	12	4/21/2009	15	280	0.025	<0.023	<0.023	<0.046	<0.023	<0.023	<0.023	130
SB-5-5'	5	4/21/2009	95	1,000	<0.94	<0.94	<0.94	<1.9	<0.94	<0.94	<0.94	52
SB-5-6.5'	6.5	4/21/2009	170	490	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	55
SB-5-8.5'	8.5	4/21/2009	87	820	<0.97	<0.97	<0.97	<1.9	<0.97	<0.97	<0.97	55
SB-5-12'	12	4/21/2009	9.3	33	<0.20	<0.20	<0.20	<0.40	<0.20	<0.20	<0.20	<49
SB-6-5'	5	4/22/2009	210	12,000	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	63
SB-6-6.5'	6.5	4/22/2009	230	500	<0.96	<0.96	<0.96	<1.9	<0.96	<0.96	<0.96	69
SB-7-5'	5	4/22/2009	<0.25	130	<0.0049	<0.0049	<0.0049	<0.0099	<0.0049	<0.0049	<0.0049	<9.8
SB-7-8'	8	4/22/2009	1.9	670	<0.0047	<0.0047	<0.0047	<0.0093	<0.0047	<0.0047	<0.0047	<49
SB-7-12'	12	4/22/2009	4.7	54	<0.011	<0.011	<0.011	<0.021	<0.0011	<0.0011	<0.0011	<48
SB-7-16'	16	4/22/2009	66	170	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<43
SB-8-5'	5	4/22/2009	<0.24	120	<0.0048	<0.0048	<0.0048	<0.0095	<0.0048	<0.0048	<0.0048	<9.9
SB-8-7.5'	7.5	4/22/2009	4.1	220	<0.0047	<0.0047	<0.0047	<0.0095	<0.0047	<0.0047	<0.0047	<10
SB-8-12'	12	4/22/2009	1.4	110	<0.0047	<0.0047	<0.0047	<0.0094	<0.0047	<0.0047	<0.0047	<9.9
SB-8-17'	17	4/22/2009	<0.25	2.3	<0.0050	<0.0050	<0.0050	<0.0099	<0.0050	<0.0050	<0.0050	<9.8

Notes:

*: Method 8260B with California Leaking Underground Fuel Test Method

** Ethylene dichloride reported as 1,2-Dichloroethane

MTBE - methyl tertiary butyl ether

mg/kg - milligrams per kilogram

ug/kg - Micrograms per kilogram

Bold values indicate values that exceed the method reporting limit.

< - indicates sample detected at concentration less than the reporting limit indicated

TABLE 2
Grab Groundwater Analytical Results
Penske Former Truck Leasing Facility
725 Julie Ann Way, Oakland, California

Sample ID	Date	Method 8260B*	Method 8015B	Method 8260B*							Method 8260B*
		(ug/L)	(ug/L)	(ug/L)							(ug/kg)
		TPH-g	TPH-d	Benzene	Ethylbenzene	Toluene	Xylenes	MTBE	Ethylene Dichloride	Ethylene Dibromide	Naphthalene (ug/kg)
SB-1-W	4/21/2009	3400 ^H	43,000	6.2 ^H	6.0 ^H	<5.0 ^H	<10 ^H	5.9 ^H	<5.0 ^H	<5.0 ^H	<10 ^H
SB-2-W	4/21/2009	5,600	72,000	<25	<25	<25	<50	<25	<25	<25	<50
SB-3-W	4/21/2009	17,000	190,000	<25	<25	<25	<50	<25	<25	<25	<50
SB-4-W	4/21/2009	100,000	800,000	12,000	190	<100	<200	<100	<100	<100	950
SB-5-W	4/21/2009	300,000	4,000,000	<500	<500	<500	<1,000	<500	<500	<500	<1,000
SB-6-W	4/22/2009	37,000	730,000	<50	<50	<50	<100	<50	<50	<50	<100
SB-7-W	4/22/2009	<1,000	90,000	37	<10	<10	<20	<10	<10	<10	<20
SB-8-W	4/22/2009	54	--	<0.50	<0.50	<0.50	<1.0	0.68	<0.50	<0.50	<1.0

Notes:

*: Method 8260B with California Leaking Underground Fuel Test Method

EPA - Environmental Protection Agency

mg/L - milligrams per kilogram

ug/L - Micrograms per kilogram

Bold values indicate values that exceed the method reporting limit.

< - indicates sample detected at concentration less than the reporting limit indicated

H=Sample was prepped or analyzed beyond the specified holding time

**TABLE 3
CHRONOLOGICAL LISTING OF
GROUNDWATER ELEVATION DATA
PENSKE TRUCK LEASING FACILITY
725 Julie Ann Way
Oakland, California**

WELL NO.	DATE	RE (FEET) ^(a)	DTW (FEET)	CWTE (FEET)
MW-1	02/20/97	5.43	5.41	0.02
	05/28/97		5.98	-0.55
	09/19/97		6.45	-1.02
	11/17/97		6.14	-0.71
	02/27/98		4.83	0.60
	05/27/98		6.42	-0.99
	10/01/98		6.49	-1.06
	12/22/98		6.35	-0.92
	12/28/99		7.34	-1.91
	03/14/00		4.95	0.48
	06/28/00		5.54	-0.11
	09/14/00		6.41	-0.98
	12/11/00		6.08	-0.65
	03/14/01		6.11	-0.68
	06/13/01		5.68	-0.25
	08/29/01		6.13	-0.70
	12/12/01		5.31	0.12
04/11/02	5.21	0.22		
12/05/02	5.85	-0.42		
04/22/09	5.03	0.40		
MW-2	02/20/97	6.20	6.26	-0.06
	05/28/97		6.65	-0.45
	09/19/97		6.90	-0.70
	11/17/97		6.75	-0.55
	02/27/98		5.31	0.89
	05/27/98		5.87	0.33
	10/01/98		6.95	-0.75
	12/22/98		6.70	-0.50
	12/28/99		7.08	-0.88
	03/15/00		5.45	0.75
	06/28/00		6.37	-0.17
	09/14/00		6.86	-0.66
	12/11/00		7.33	-1.13
	03/14/01		5.75	0.45
	06/13/01		6.33	-0.13
	08/29/01		6.71	-0.51
	12/12/01		5.92	0.28
04/11/02	5.88	0.32		
12/05/02	6.56	-0.36		
12/05/02	6.56	-0.36		
04/22/09	5.52	0.68		
MW-3	02/20/97	6.10	6.36	-0.26
	05/28/97		6.62	-0.52
	09/19/97		6.83	-0.73
	11/17/97		6.77	-0.67
	02/27/98		5.38	0.72
	05/27/98		6.05	0.05
	10/01/98		6.95	-0.85
	12/22/98		6.73	-0.63
	12/28/99		7.22	-1.12
	03/14/00		NM	NM
	06/28/00		6.37	-0.27
	09/14/00		7.06	-0.96
	12/11/00		6.68	-0.58
	03/14/01		5.85	0.25
	06/13/01		6.34	-0.24
	08/29/01		6.70	-0.60
	12/12/01		5.95	0.15
04/11/02	5.86	0.24		
12/05/02	6.55	-0.45		
12/05/02	6.55	-0.45		
04/22/09	NM	NM		
MW-4	02/20/97	5.18	5.29	-0.11
	05/28/97		5.66	-0.48
	09/19/97		6.00	-0.82
	11/17/97		6.06	-0.88
	02/27/98		4.66	0.52
	05/27/98		5.98	-0.80

**TABLE 3
CHRONOLOGICAL LISTING OF
GROUNDWATER ELEVATION DATA
PENSKE TRUCK LEASING FACILITY
725 Julie Ann Way
Oakland, California**

WELL NO.	DATE	RE (FEET) ^(a)	DTW (FEET)	CWTE (FEET)
MW-4 Cont.	10/01/98		5.23	-0.05
	12/22/98		6.57	-1.39
	12/28/99		6.54	-1.36
	03/14/00		4.86	0.32
	06/28/00		5.55	-0.37
	09/14/00		6.05	-0.87
	12/11/00		5.93	-0.75
	03/14/01		5.04	0.14
	06/13/01		5.25	-0.07
	08/29/01		5.89	-0.71
	12/12/01		5.14	0.04
	04/11/02		4.96	0.22
	12/05/02		5.68	-0.50
	04/22/09		4.67	0.51
MW-5	02/20/97	4.71	4.68	0.03
	05/28/97		5.21	-0.50
	09/19/97		5.43	-0.72
	11/17/97		5.28	-0.57
	02/27/98		4.10	0.61
	05/27/98		5.40	-0.69
	10/01/98		5.42	-0.71
	12/22/98		5.40	-0.69
	12/28/99		5.73	-1.02
	03/14/00		NM	NM
	06/28/00		5.11	-0.40
	09/14/00		NM	NM
	12/11/00		5.48	-0.77
	03/14/01		4.57	0.14
	06/13/01		5.05	-0.34
	08/29/01		5.34	-0.63
	12/12/01		4.79	-0.08
	04/11/02		4.66	0.05
12/05/02	5.32	-0.61		
04/22/09	NM	NM		
MW-6	02/20/97	5.37	5.38	-0.01
	05/28/97		5.93	-0.56
	09/19/97		6.15	-0.78
	11/17/97		6.06	-0.69
	02/27/98		4.74	0.63
	05/27/98		5.40	-0.03
	10/01/98		6.37	-1.00
	12/22/98		6.06	-0.69
	12/28/99		6.40	-1.03
	03/14/00		NM	NM
	06/28/00		6.71	-1.34
	09/14/00		6.17	-0.80
	12/11/00		NM	NM
	03/14/01		5.11	0.26
	06/13/01		6.65	-1.28
	08/29/01		6.00	-0.63
	12/12/01		5.33	0.04
	04/11/02		5.15	0.22
12/05/02	5.90	-0.53		
04/22/09	NM	NM		
MW-7	02/20/97	4.84	5.70	-0.86
	05/28/97		5.46	-0.62
	09/19/97		5.91	-1.07
	11/17/97		5.59	-0.75
	02/27/98		4.68	0.16
	05/27/98		5.17	-0.33
	10/01/98		5.80	-0.96
	12/22/98		5.78	-0.94
	12/28/99		7.72	-2.34
	03/14/00		4.50	0.34
	06/28/00		5.51	-0.67
	09/14/00		5.93	-1.09

**TABLE 3
CHRONOLOGICAL LISTING OF
GROUNDWATER ELEVATION DATA
PENSKE TRUCK LEASING FACILITY
725 Julie Ann Way
Oakland, California**

WELL NO.	DATE	RE (FEET) ^(a)	DTW (FEET)	CWTE (FEET)		
MW-7 Cont.	12/11/00		5.72	-0.88		
	03/14/01		4.58	0.26		
	06/13/01		5.18	-0.34		
	08/29/01		5.53	-0.69		
	12/12/01		4.73	0.11		
	04/11/02		4.68	0.16		
	12/05/02		5.25	-0.41		
	04/22/09		4.58	0.26		
MW-8	02/20/97	5.08	5.10	-0.02		
	05/28/97		5.68	-0.60		
	09/19/97		5.95	-0.87		
	11/17/97		5.91	-0.83		
	02/27/98		4.50	0.58		
	05/27/98		6.10	-1.02		
	10/01/98		6.13	-1.05		
	12/22/98		6.10	-1.02		
	12/28/99		6.30	-0.86		
	03/14/00		5.01	0.07		
	06/28/00		5.47	-0.39		
	09/14/00		5.99	-0.91		
	12/11/00		5.84	-0.76		
	03/14/01		4.90	0.18		
	06/13/01		5.40	-0.32		
	08/29/01		5.80	-0.72		
	12/12/01		5.05	0.03		
	04/11/02		4.95	0.13		
12/05/02	5.42	-0.34				
04/22/09	4.94	0.14				
OW-1	12/28/99	5.09	5.77	-0.68		
	03/15/00		4.47	0.62		
	06/29/00		4.95	0.14		
	08/29/01		5.01	0.08		
	09/14/00		5.31	-0.22		
	12/11/00		5.17	-0.08		
	03/14/01		4.54	0.55		
	06/13/01		4.75	0.34		
	12/12/01		4.80	0.29		
	04/11/02		4.52	0.57		
	12/05/02		5.13	-0.04		
	04/22/09		4.19	0.90		
	OW-2		12/28/99	5.39	6.08	-0.69
			03/15/00		4.76	0.63
06/29/00		5.15	0.24			
09/14/00		5.60	-0.21			
12/11/00		5.45	-0.06			
03/14/01		4.77	0.62			
06/13/01		5.01	0.38			
08/29/01		5.31	0.08			
12/12/01		5.10	0.29			
04/11/02		4.83	0.56			
12/05/02		5.42	-0.03			
04/22/09		4.52	0.87			

Notes:

- RE - Reference Elevation
- DTW - Depth to Water
- CWTE - Corrected Water Table Elevation
- (a) - All well elevations resurveyed to site benchmark on February 10, 1993.
- NM - Not Measured
- NA - Not Available

**TABLE 4
CHRONOLOGICAL LISTING OF
GROUNDWATER ANALYTICAL RESULTS
PENSKE TRUCK LEASING FACILITY
725 Julie Ann Way
Oakland, California**

WELL ID	DATE	TPHd	TPHg	BENZENE	TOLUENE	ETHYL BENZENE			MTBE	ETHYLENE DICHLORIDE	ETHYLENE DIBROMIDE	SULFATE	NITRATE AS NO3 (mg/L)	NAPHTHALENE
						(µL)								
MW-1	02/20/97	200000	2,900	260	61	42	96	NS	NA	NA	NA	NA	NA	NA
	05/28/97	28000	2,100	230	42	55	110	NS	NA	NA	NA	NA	NA	NA
	09/19/97	2700000	110,000	230	140	250	700	ND	NA	NA	NA	NA	NA	NA
	11/17/97	950000	40,000	240	190 ^(c)	270 ^(c)	880 ^(c)	ND ^(c)	NA	NA	NA	NA	NA	NA
	02/27/98	1200000	380,000	50	50	200	800	ND	NA	NA	NA	NA	NA	NA
	05/27/98	280000	13,000	110	13	66	390	ND	NA	NA	NA	NA	NA	NA
	10/01/98	63000	1,300	43	1.2	15	84	ND	NA	NA	NA	NA	NA	NA
	12/22/98	79000	2,000	32	ND ^(e)	23 ^(e)	130 ^(e)	ND	NA	NA	NA	NA	NA	NA
	12/28/99	43000	1,700	49	1.3	11	24	ND	NA	NA	NA	NA	NA	NA
	03/14/00	4300	540	59	1.3	12	23	NA	NA	NA	NA	NA	NA	NA
	06/28/00	290000	1,300	26	ND	ND	23	ND	NA	NA	NA	NA	NA	NA
	09/14/00	770000	1,100	34	ND	3.9	17	ND	NA	NA	NA	NA	NA	NA
	12/11/00	28000	2,000	10	ND	ND	9.3	ND	NA	NA	NA	NA	NA	NA
	03/14/01	8400	350	12	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
	06/13/01	13000	340	6.4	ND	ND	1.6	ND	NA	NA	NA	NA	NA	NA
	08/29/01	26000	140	0.5	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
	12/12/01	5600	160	0.65	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
	04/12/02	23000	260	3.4	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
	12/05/02	17000	340	2.2	ND	ND	ND	6.0	NA	NA	NA	NA	NA	NA
	04/22/09	3200	240	<0.50	<0.50	<0.50	<1.0	2.6	<0.50	<0.50	180	4.1	<1.0	<1.0
DUP	12000	310	<0.50	<0.50	<0.50	<1.0	2.8	<0.50	<0.50	180	3.9	<1.0	<1.0	
MW-2	02/20/97	1,000 ^(h)	ND	ND	ND	ND	ND	NS	NA	NA	NA	NA	NA	NA
	05/28/97	3,700 ^(b,h)	ND	ND	ND	ND	ND	NS	NA	NA	NA	NA	NA	NA
	09/19/97	4100	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
	11/17/97	1300	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
	02/27/98	340	ND	ND	0.9	ND	ND	ND	NA	NA	NA	NA	NA	NA
	05/27/98	1300	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
	10/01/98	3,500 ⁽ⁱ⁾	3,200	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
	12/22/98	1,200 ^(j,k)	67 ^(d)	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
	12/28/99	750	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
	03/15/00	92	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
	06/28/00	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
	09/14/00	120	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
	12/11/00	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
	03/14/01	75	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
	06/13/01	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
	08/29/01	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
	12/12/01	150*	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
	04/12/02	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
	12/05/02	57*	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
	04/22/09	140	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	40	<1.0	<1.0	<1.0
MW-3	02/20/97	140 ^(h)	ND	ND	ND	ND	ND	NS	NA	NA	NA	NA	NA	NA
	05/28/97	240 ^(b,h)	ND	ND	ND	ND	ND	NS	NA	NA	NA	NA	NA	NA
	09/19/97	ND	ND	0.7	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
	11/17/97	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
	02/27/98	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
	05/27/98	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
	10/01/98	56 ⁽ⁱ⁾	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
	12/22/98	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
	12/28/99	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
	03/14/00	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
	06/28/00	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
	09/14/00	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
MW-3 Cont.	12/11/00	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
	03/14/01	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
	06/13/01	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
	08/29/01	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
	12/13/01	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
	04/11/02	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA
12/05/02	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	<1.0	
MW-4	02/20/97	470000	64,000	ND	ND	ND	ND	NS	NA	NA	NA	NA	NA	NA
	05/28/97	1000000	11,000	ND	ND	ND	ND	NS	NA	NA	NA	NA	NA	NA
	09/19/97	2600000	37,000	260	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
	11/17/97	57000	4,400	25	ND ^(c)	ND ^(c)	ND ^(c)	ND ^(c)	NA	NA	NA	NA	NA	NA
	02/27/98	9300	580	2.7	0.8	0.8	3	ND	NA	NA	NA	NA	NA	NA
	05/27/98	11000	3,900	1.4	0.6	ND	ND	ND	NA	NA	NA	NA	NA	NA
	10/01/98	670000	2,400	5.7	ND	ND	4.6	ND	NA	NA	NA	NA	NA	NA
	12/22/98	3700	200	ND ^(p)	ND ^(p)	ND ^(p)	ND ^(p)	ND ^(p)	NA	NA	NA	NA	NA	NA
	12/28/99	5800	1,000	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
	03/14/00	4800	350	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
	06/28/00	8400	120	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
	09/14/00	19000	130	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
	12/11/00	730	120	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
	03/14/01	580	50	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
	06/13/01	260	54	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
	08/29/01	30000	940	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
	12/13/01	260	50	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
	04/12/02	230	50	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
12/05/02	1500	50	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	
04/22/09	13000	480	<0.50	<0.50	<0.50	<1.0	3.0	<0.50	<0.50	360	2.0	<1.0	<1.0	

**TABLE 4
CHRONOLOGICAL LISTING OF
GROUNDWATER ANALYTICAL RESULTS
PENSKE TRUCK LEASING FACILITY
725 Julie Ann Way
Oakland, California**

WELL ID	DATE	TPHd	TPHg	BENZENE	TOLUENE	ETHYL BENZENE	XYLENES	MTBE	ETHYLENE DICHLORIDE	ETHYLENE DIBROMIDE	SULFATE	NITRATE AS NO3	NAPHTHALENE
MW-5	02/20/97	1,100 ^(h)	ND	ND	ND	ND	ND	NS	NA	NA	NA	NA	NA
	05/28/97	560 ^(b,a)	60 ^(m)	ND	ND	ND	ND	NS	NA	NA	NA	NA	NA
	09/19/97	1000	70	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA
	11/17/97	1100	70	0.6	0.7	0.5	ND	5	NA	NA	NA	NA	NA
	02/27/98	ND	ND	ND	ND	ND	ND	5	NA	NA	NA	NA	NA
	05/27/98	770	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA
	10/01/98	630	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA
	12/22/98	890 ⁽ⁱ⁾	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA
	12/28/99	440	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA
	03/15/00	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA
	06/28/00	110*	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA
	09/14/00	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA
	12/11/00	130	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA
	03/14/01	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA
	06/13/01	120	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA
08/29/01	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	
12/13/01	530*	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	
04/11/02	230*	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	
12/05/02	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	<1.0	
MW-6	02/20/97	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA
	05/28/97	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA
	09/19/97	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA
	11/17/97	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA
	02/27/98	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA
	05/27/98	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA
	10/01/98	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA
	12/22/98	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA
	12/28/99	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA
	03/15/00	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA
	06/28/00	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA
	09/14/00	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA
	12/11/00	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA
	03/14/01	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA
	06/13/01	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA
08/29/01	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	
12/13/01	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	
04/11/02	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	
12/05/02	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	<1.0	
MW-7	02/20/97	1500000	15,000	81	51	ND	ND	NS	NA	NA	NA	NA	NA
	05/28/97	440000	390,000	ND	ND	ND	ND	NS	NA	NA	NA	NA	NA
	09/19/97	910000	3,600	110	64	37	ND	ND	NA	NA	NA	NA	NA
	11/17/97	18000000	15,000	110	41 ^(c)	12 ^(c)	110 ^(c)	ND ^(c)	NA	NA	NA	NA	NA
	02/27/98	290000	45,000	80	60	ND	ND	ND	NA	NA	NA	NA	NA
	05/27/98	1600	140	2.3	0.9	0.9	3	ND	NA	NA	NA	NA	NA
	10/01/98	89000	710	39	2.4	11	31	ND	NA	NA	NA	NA	NA
	12/22/98	240000	3,900	51	ND	ND	ND	ND	NA	NA	NA	NA	NA
	12/28/99	300000	2,300	51	5.3	13	27	ND	NA	NA	NA	NA	NA
	03/14/00	640000	620	31	5.3	9.9	31	NA	NA	NA	NA	NA	NA
	06/28/00	2900000	3,200#	15	ND	3.2	30	ND	NA	NA	NA	NA	NA
	09/14/00	15000000	1,900	11	ND	10	39	ND	NA	NA	NA	NA	NA
	12/12/00	340000	4,500	5	ND	ND	17	ND	NA	NA	NA	NA	NA
	03/14/01	170000	8,000	5	ND	ND	ND	ND	NA	NA	NA	NA	NA
	06/13/01	19000	100	0.99	ND	ND	ND	6.2	NA	NA	NA	NA	NA
08/29/01	27000	120	3.9	ND	ND	ND	5	NA	NA	NA	NA	NA	
12/12/01	6900	610	0.5	ND	ND	ND	ND	NA	NA	NA	NA	NA	
04/12/02	2600	110	0.5	ND	ND	ND	NA	NA	NA	NA	NA	NA	
12/05/02	9100	290	0.5	ND	ND	ND	5.7	NA	NA	NA	NA	NA	
04/22/09	1900	56	<0.50	<0.50	<0.50	<1.0	3.4	<0.50	<0.50	190	15	<1.0	
MW-8	02/20/97	2500	340 ^(a)	2.1	53	7.1	94	NS	NA	NA	NA	NA	NA
	05/28/97	200 ^(b,s)	480 ^(a)	2.5	12	ND	76	NS	NA	NA	NA	NA	NA
	09/19/97	7000	1,000	0.8	5	0.5	130	ND	NA	NA	NA	NA	NA
	11/17/97	520	250	1.4	2.1	0.7	3	ND	NA	NA	NA	NA	NA
	02/27/98	150	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA
	05/27/98	70	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA
	10/01/98	440 ⁽ⁱ⁾	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA
	12/22/98	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA
	12/28/99	130	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA
	03/14/00	170	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA
	06/28/00	300*	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA
	09/14/00	310	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA
	12/11/00	15000	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA
	03/14/01	130	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA
	06/13/01	100	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA
08/29/01	160*	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	
12/13/01	97*	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	
04/12/02	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	
12/05/02	97	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	
04/22/09	<50	<50	<0.50	<0.50	<0.50	<1.0	2.9	<0.50	<0.50	260	14	<1.0	
OW-1	12/28/99	7700	3,400	11	ND	ND	2.6	ND	NA	NA	NA	NA	NA
	03/15/00	5300	700	1.7	ND	ND	ND	ND	NA	NA	NA	NA	NA
	06/29/00	1,300*	140#	4	ND	ND	2.2	6.6	NA	NA	NA	NA	NA
	09/14/00	5800	180	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA
	12/12/00	230	110	3.4	ND	ND	ND	ND	NA	NA	NA	NA	NA
	03/14/01	2200	110	4	ND	ND	0.5	ND	NA	NA	NA	NA	NA
	06/13/01	1500	120	2.5	ND	ND	ND	ND	NA	NA	NA	NA	NA
08/29/01	1,200*	130#	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	

**TABLE 4
CHRONOLOGICAL LISTING OF
GROUNDWATER ANALYTICAL RESULTS
PENSKE TRUCK LEASING FACILITY
725 Julie Ann Way
Oakland, California**

WELL ID	DATE	TPHd	TPHg	BENZENE	TOLUENE	ETHYL BENZENE	XYLENES	MTBE	ETHYLENE DICHLORIDE	ETHYLENE DIBROMIDE	SULFATE	NITRATE AS NO3	NAPHTHALENE
OW-1 Cont.	12/12/01	3,100*	76#	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA
	04/11/02	3,600*	300#	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
	12/05/02	490#	78#	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA
	04/22/09	1600	130	<0.50	<0.50	<0.50	<1.0	8.9	<0.50	<0.50	1.1	<1.0	<1.0
OW-2	12/28/99	3300	770	36	ND	ND	1.7	16	NA	NA	NA	NA	NA
	03/15/00	1100	350	24	ND	ND	ND	9.3	NA	NA	NA	NA	NA
	06/29/00	850	160	7.4	ND	ND	ND	13	NA	NA	NA	NA	NA
	09/14/00	6300	590	26	0.79	ND	1.7	17	NA	NA	NA	NA	NA
	12/12/00	320	210	6.6	ND	ND	ND	7.4	NA	NA	NA	NA	NA
	03/14/01	960	320	5.6	ND	ND	ND	ND	NA	NA	NA	NA	NA
	06/13/01	900	250	2.9	ND	ND	ND	10	NA	NA	NA	NA	NA
	08/29/01	1400	270	5.3	ND	ND	ND	ND	NA	NA	NA	NA	NA
	12/12/01	4100	280	14	ND	ND	ND	11	NA	NA	NA	NA	NA
	04/11/02	4100	820	6.4	ND	ND	ND	NA	NA	NA	NA	NA	NA
	12/05/02	500	230	0.5	ND	ND	ND	5.6	NA	NA	NA	NA	NA
	04/22/09	2100	210	<0.50	<0.50	<0.50	<1.0	6.8	<0.50	<0.50	29	2.5	<1.0

Notes:

- mg/L - micrograms per liter
- TPHd - Total Petroleum Hydrocarbons as diesel
- TPHg - Total Petroleum Hydrocarbons as gasoline
- MTBE - Methyl tert butyl ether
- NS - Well not sampled
- ND - Not detected at or above the laboratory detection limit
- NA - Not analyzed
- (a) - Laboratory reports that chromatogram indicates gasoline and unidentified hydrocarbons >C8.
- (b) - Laboratory reports that the laboratory control sample failed for this batch, as well as when it was initially analyzed on 6/3/97. All results should be considered as estimated values. No additional sample was available for re-extraction.
- (c) - Laboratory reports reporting limits for diesel and gas/BTEX elevated due to high levels of target compound. Samples run at dilution.
- (d) - Laboratory reports the peak pattern present in this sample represents an unknown mixture atypical of gasoline in the range of n-C09 to greater than n-C12. Quantitation is based on a gasoline reference in the range of n-C07 to n-C12 only.
- (e) - Laboratory reports reporting limit(s) raised due to high level of analyte present in sample.
- (f) - Laboratory reports the hydrocarbon pattern present in this sample represents an unknown mixture in the range of n-C09 to n-C36. Quantitation is based on a diesel reference between n-C10 and n-C24 only.
- (g) - Laboratory reports that chromatogram indicates diesel and unidentified hydrocarbons >C20.
- (h) - Analyzed by USEPA Method 8015, modified.
- (i) - Analyzed by USEPA Method 8020.
- (j) - Diesel range concentration reported. A nonstandard diesel pattern was observed in the chromatogram.
 - * - Hydrocarbon reported does not match the diesel standard.
 - # - Hydrocarbon reported (in the gasoline range) does not match lab standard.

TABLE 5
PH, DISSOLVED OXYGEN, AND OXIDATION REDUCTION POTENTIAL MEASUREMENTS
PENSKE TRUCK LEASING FACILITY
725 Julie Ann Way
Oakland, California

WELL NO.	DATE	pH (units)	D.O. (mg/L)	ORP (millivolts)
MW-1	12/28/99	7.92	0.87	-211
	03/14/00	7.29	1.12	-23
	06/28/00	8.26	0.55	-248
	09/14/00	6.92	0.36	-316
	12/11/00	7.05	1.34	-55
	03/14/01	7.07	1.24	-66
	06/13/01	7.05	1.20	-109
	08/29/01	7.78	NM	-63
	12/12/01	6.93	1.28	-4
	04/12/02	6.72	0.37	-56
	12/05/02	7.01	NM	-79
04/22/09	6.94	0.08/0.19	-57/102	
MW-2	12/28/99	7.94	0.96	-38
	03/15/00	7.28	1.43	-255
	06/28/00	7.52	0.89	-221
	09/14/00	7.44	0.61	-310
	12/11/00	7.28	1.96	24
	03/14/01	7.34	1.46	11
	06/13/01	7.07	0.95	-12
	08/29/01	7.24	NM	70
	12/12/01	7.13	0.88	13
	04/11/02	7.25	0.66	126
	12/05/02	7.01	0.14	-32
04/22/09	6.91	0.17/0.24	143/-12	
MW-3	12/28/99	NM	NM	NM
	03/14/00	NM	NM	NM
	06/28/00	NM	NM	NM
	09/14/00	NM	NM	NM
	12/11/00	NM	NM	NM
	03/14/01	NM	NM	NM
	06/13/01	NM	NM	NM
	08/29/01	NM	NM	NM
	12/13/01	NM	NM	NM
	04/11/02	NM	NM	NM
	12/05/02	NM	NM	NM
04/22/09	NM	NM	NM	
MW-4	12/28/99	7.38	0.80	-201
	03/14/00	6.97	2.11	35
	06/28/00	6.87	3.57	-34
	09/14/00	7.23	1.06	16
	12/11/00	6.99	2.27	74
	03/14/01	6.81	1.28	-91
	06/13/01	6.97	0.97	-30
	08/29/01	7.45	NM	104
	12/13/01	6.88	0.34	199
	04/12/02	6.77	0.95	12
	12/05/02	6.81	0.56	-13
04/22/09	6.71	0.16/0.56	-67/-68	

TABLE 5
PH, DISSOLVED OXYGEN, AND OXIDATION REDUCTION POTENTIAL MEASUREMENTS
PENSKE TRUCK LEASING FACILITY
725 Julie Ann Way
Oakland, California

WELL NO.	DATE	pH (units)	D.O. (mg/L)	ORP (millivolts)
MW-5	12/28/99	7.55	1.14	-118
	03/14/00	NM	NM	NM
	06/28/00	7.57	1.79	-103
	09/14/00	NM	NM	NM
	12/11/00	7.28	4.14	-11
	03/14/01	NM	NM	NM
	06/13/01	7.04	3.61	-44
	08/29/01	NM	NM	NM
	12/13/01	7.05	3.26	52
	04/11/02	7.04	2.28	-524
	12/05/02	NM	NM	NM
04/22/09	NM	NM	NM	
MW-6	12/28/99	NM	NM	NM
	03/14/00	NM	NM	NM
	06/28/00	NM	NM	NM
	09/14/00	NM	NM	NM
	12/11/00	NM	NM	NM
	03/14/01	NM	NM	NM
	06/13/01	NM	NM	NM
	08/29/01	NM	NM	NM
	12/13/01	NM	NM	NM
	04/11/02	NM	NM	NM
	12/05/02	NM	NM	NM
04/22/09	NM	NM	NM	
MW-7	12/28/99	7.94	1.30	-58
	03/14/00	7.23	1.05	-260
	06/28/00	7.18	5.76	-164
	09/14/00	7.06	0.65	-306
	12/12/00	7.02	1.25	-70
	03/14/01	7.10	0.94	-6
	06/13/01	7.03	1.77	-94
	08/29/01	7.34	NM	58
	12/12/01	7.09	0.98	47
	04/12/02	6.60	0.71	0
	12/05/02	6.96	0.14	10
04/22/09	7.09	.017/0.19	-37/-98	
MW-8	12/28/99	7.79	0.42	-136
	03/14/00	7.05	1.53	-27
	06/28/00	8.86	1.87	-77
	09/14/00	7.32	1.07	-166
	12/12/00	7.05	1.16	-61
	03/14/01	7.21	2.55	16
	06/13/01	7.10	2.43	-21
	08/29/01	7.52	NM	9
	12/13/01	7.15	1.55	12
	04/12/02	6.58	1.83	-10
	12/05/02	6.91	0.07	-88
04/22/09	7.13	2.72/0.31	98/30	

TABLE 5
PH, DISSOLVED OXYGEN, AND OXIDATION REDUCTION POTENTIAL MEASUREMENTS
PENSKE TRUCK LEASING FACILITY
725 Julie Ann Way
Oakland, California

WELL NO.	DATE	pH (units)	D.O. (mg/L)	ORP (millivolts)
OW-1	12/28/99	7.67	0.99	-89
	03/15/00	7.31	1.16	-55
	06/29/00	6.34	3.29	-48
	09/14/00	7.02	0.98	-115
	12/12/00	6.94	1.98	-5
	03/14/01	7.04	2.89	-5
	06/13/01	6.76	1.11	-58
	08/29/01	7.04	NM	-39
	12/12/01	6.83	1.17	-46
	04/11/02	7.19	0.75	-31
	12/05/02	6.88	0.03	-79
	04/22/09	6.80	0.29/0.19	-77/-88
OW-2	12/28/99	7.69	1.79	-58
	03/15/00	7.25	0.99	-35
	06/29/00	6.44	2.39	-66
	09/14/00	7.21	1.33	-89
	12/12/00	6.90	1.44	-76
	03/14/01	7.16	2.68	-54
	06/13/01	6.97	1.15	-92
	08/29/01	7.16	NM	-93
	12/12/01	6.81	1.36	-61
	04/11/02	7.08	0.89	-44
	12/05/02	6.85	0.01	-95
	04/22/09	6.89	0.35/0.19	-103/-90

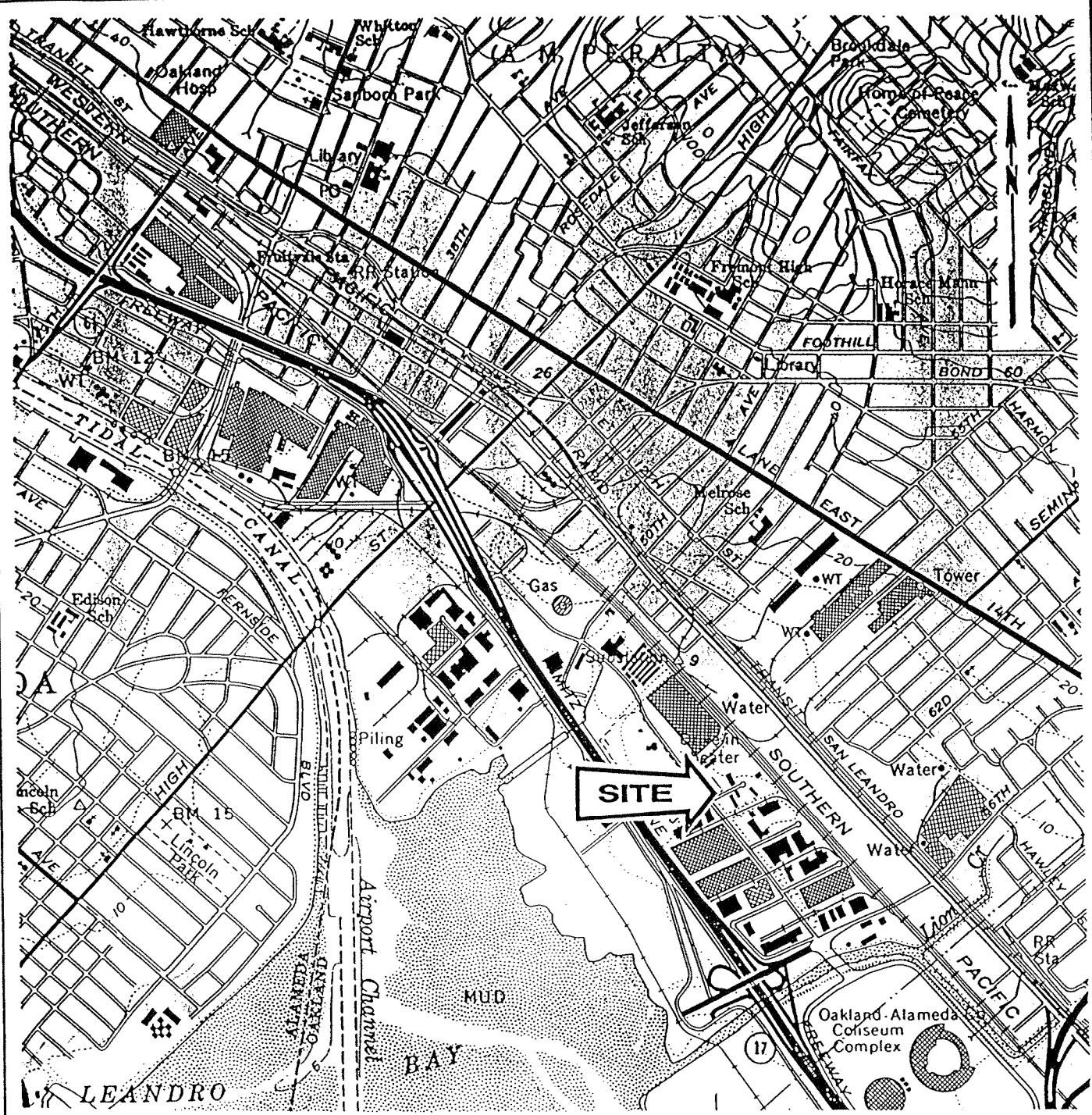
Notes:

- D.O. - Dissolved Oxygen
- mg/L - milligrams per liter
- ORP - Oxidation Reduction Potential
- NM - Not Measured
- * - denotes pre-purge/post-purge

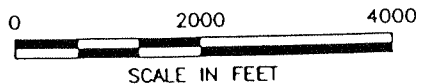
FIGURES

Soil and Groundwater Investigation and Groundwater Monitoring
Report
Former Penske Truck Leasing Facility
725 Julie Ann Way
Oakland, California
PN: 185701155
September 1, 2009

199812.2710.39 X:\OAKLAND\ACAD\PENSKO\PENSKO-014.07694.001-001.DWG 2/21/00



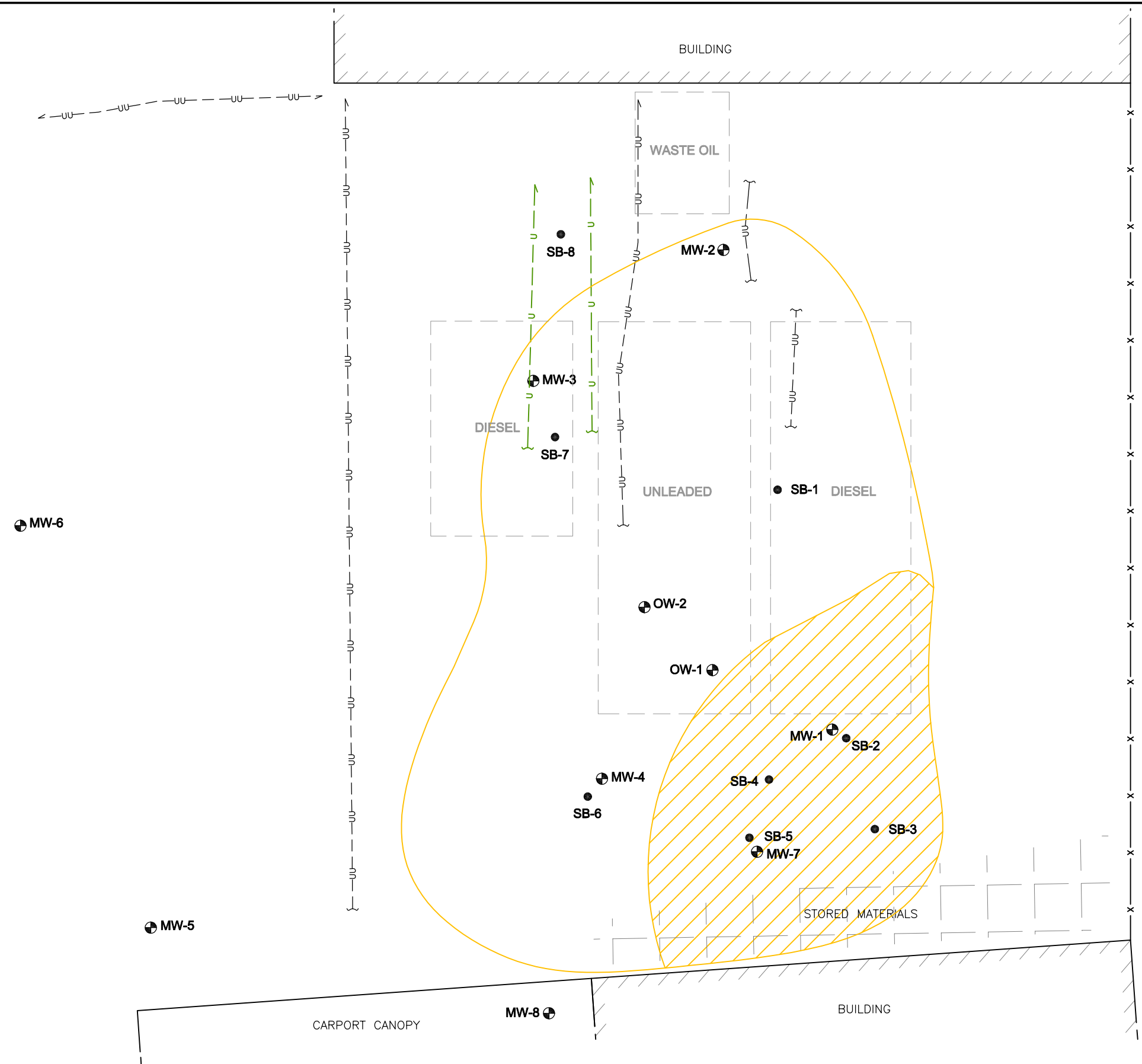
SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP
 OAKLAND EAST, CALIFORNIA
 (PHOTOREVISED 1980)



SECOR
 International Incorporated

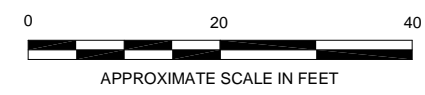
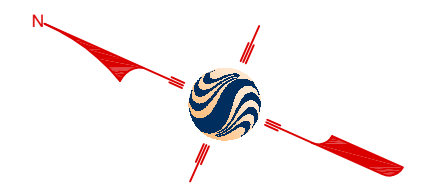
DRAWN	GEL
APPR	AEM
DATE	10NOV99
JOB NO.	014.07694.001

FIGURE 1
 FORMER PENSKO TRUCKING COMPANY
 725 JULIE ANN WAY
 OAKLAND, CALIFORNIA
SITE LOCATION MAP




LEGEND:

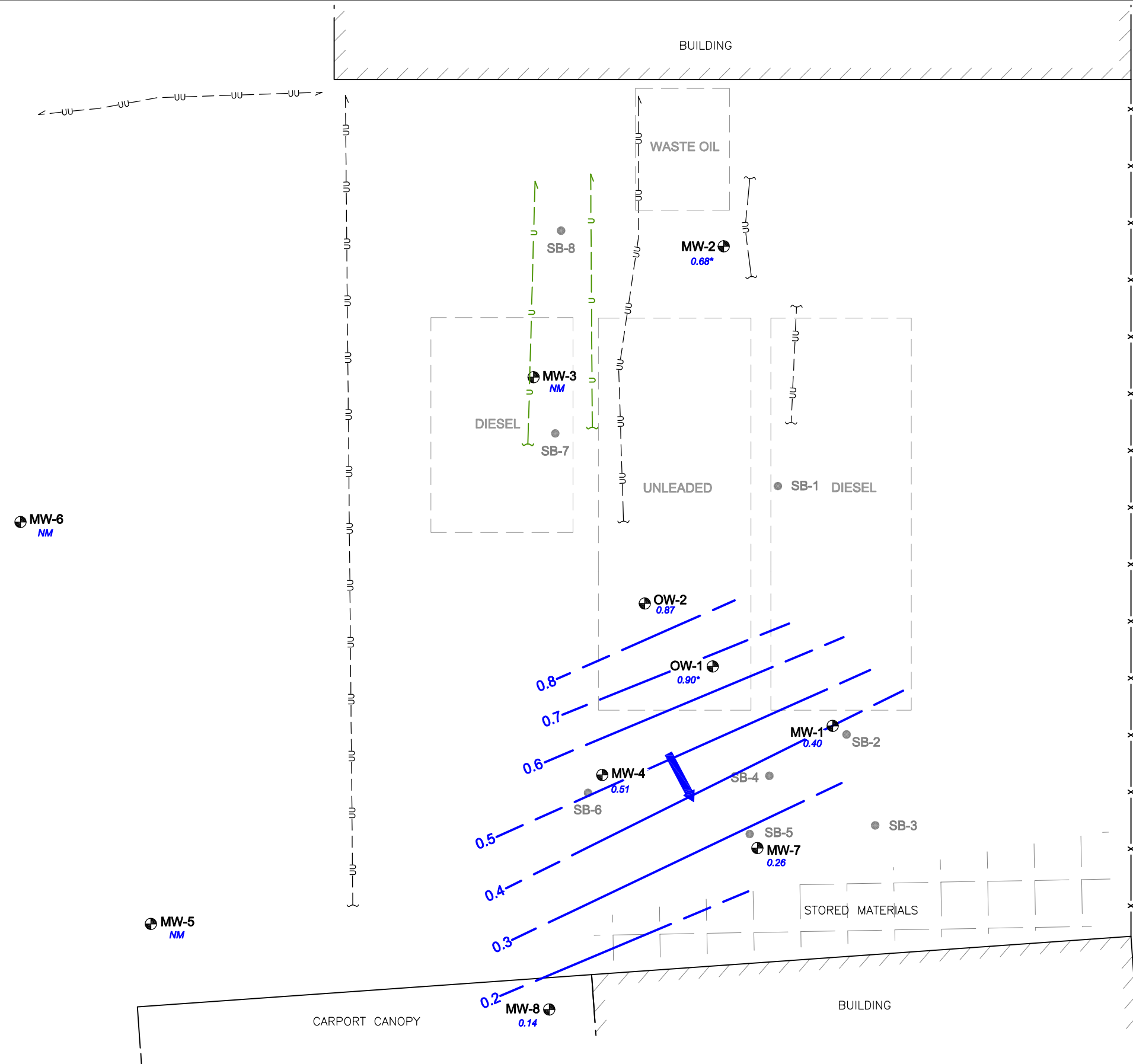
- UNDIFFERENTIATED NONMETALLIC UTILITY LINE
- UNDIFFERENTIATED METALLIC UTILITY LINE
- FENCE
- APPROXIMATE EXTENT OF FORMER TANK EXCAVATION
- FENTON'S TREATMENT AREA (2000)
- AREA OF HIGHER DENSITY FENTON'S INJECTION (2000)
- SOIL BORING LOCATION (2009)
- EXISTING MONITORING WELL LOCATION



No warranty is made by Stantec as to the accuracy, reliability, or completeness of these data. Original data were compiled from various sources. This information may not meet National Map Accuracy Standards. This product was developed electronically, and may be updated without notification. Any reproduction may result in a loss of scale and/or information.

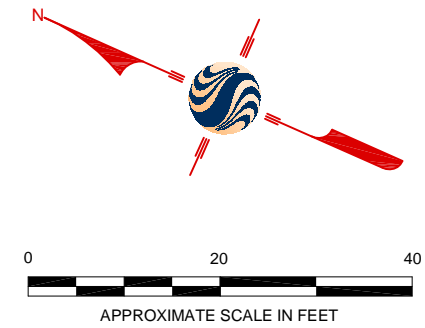
NOTE:
 UTILITIES BASED ON FIGURE PROVIDED
 BY NORCAL GEOPHYSICAL INC. (2008)

 57 Lafayette Circle, 2nd Floor Lafayette, California, 94549 PHONE: (925) 299-9300 FAX: (925) 299-9302	PREPARED FOR: PENSKE 725 JULIE ANN WAY OAKLAND, CALIFORNIA		SITE PLAN		FIGURE: 2
	JOB NUMBER: 185701155.200.0005	DRAWN BY: JBL	CHECKED BY: KC	APPROVED BY: AEM	DATE: 06/15/09



LEGEND:

- UNDIFFERENTIATED NONMETALLIC UTILITY LINE
- UNDIFFERENTIATED METALLIC UTILITY LINE
- FENCE
- APPROXIMATE EXTENT OF FORMER TANK EXCAVATION
- SOIL BORING LOCATION (2009)
- EXISTING MONITORING WELL LOCATION
- GROUNDWATER FLOW DIRECTION (APPROXIMATE)
- GROUNDWATER ELEVATION (RELATIVE TO LOCAL DATUM)
- GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED) WELLS SOUNDED ON APRIL 22, 2009
- NOT MEASURED
- DATA NOT USED IN CONTOURING



No warranty is made by Stantec as to the accuracy, reliability, or completeness of these data. Original data were compiled from various sources. This information may not meet National Map Accuracy Standards. This product was developed electronically, and may be updated without notification. Any reproduction may result in a loss of scale and/or information.

NOTE:
 UTILITIES BASED ON FIGURE PROVIDED BY NORCAL GEOPHYSICAL INC. (2008)

 57 Lafayette Circle, 2nd Floor Lafayette, California, 94549 PHONE: (925) 299-9300 FAX: (925) 299-9302	PREPARED FOR: PENSKE 725 JULIE ANN WAY OAKLAND, CALIFORNIA		POTENTIOMETRIC SURFACE MAP		FIGURE: 3
	JOB NUMBER: 185701155.200.0005	DRAWN BY: JBL	CHECKED BY: KC	APPROVED BY: AEM	DATE: 06/15/09

Depth bgs	TPHg	TPHd	B	T	E	X	MTBE	Naph
5'	<0.24	120	<0.0048	<0.0048	<0.0048	<0.0095	<0.0048	<0.0099
7.5'	4.1	220	<0.0047	<0.0047	<0.0047	<0.0095	<0.0047	<0.010
12'	1.4	110	<0.0047	<0.0047	<0.0047	<0.0094	<0.0047	<0.0099
17'	<0.25	2.3	<0.0050	<0.0050	<0.0050	<0.0099	<0.0050	<0.0098

Depth bgs	TPHg	TPHd	B	T	E	X	MTBE	Naph
5'	<0.25	130	<0.0049	<0.0049	<0.0049	<0.0099	<0.0049	<0.0098
8'	1.9	670	<0.0047	<0.0047	<0.0047	<0.0093	<0.0047	<0.049
12'	4.7	54	<0.011	<0.011	<0.011	<0.021	<0.0011	<0.048
16'	66	170	<1.0	<1.0	<1.0	<2.0	<1.0	<0.043

Depth bgs	TPHg	TPHd	B	T	E	X	MTBE	Naph
4'	210	170	<0.99	<0.99	<0.99	<2.0	<0.99	0.085
8'	64	460	<0.98	<0.99	<0.99	<2.0	<0.99	<0.036
8.5'	7.8	530	<0.019	<0.019	<0.019	<0.038	<0.019	<0.048

Depth bgs	TPHg	TPHd	B	T	E	X	MTBE	Naph
4.5'	3.1	1,600	<0.019	<0.019	<0.019	<0.038	<0.019	<0.040
6.5'	190	470	4.8	1.0	<0.98	<2.0	<0.98	0.61
8.5'	320	450	2.8	<0.94	<0.94	<1.9	<0.094	0.37
12'	15	280	0.025	<0.023	<0.023	<0.046	<0.023	0.13

Depth bgs	TPHg	TPHd	B	T	E	X	MTBE	Naph
5'	<0.24	9.7	<0.004	<0.004	<0.004	<0.009	<0.004	<0.0098
8'	97	370	<0.98	<0.98	<0.98	<2.0	<0.98	<0.045
12'	5.0	250	<0.016	<0.016	<0.016	<0.033	<0.016	<0.043

Depth bgs	TPHg	TPHd	B	T	E	X	MTBE	Naph
5'	210	12,000	<1.0	<1.0	<1.0	<2.0	<1.0	0.063
6.5'	230	500	<0.96	<0.96	<0.96	<1.9	<0.96	0.069

Depth bgs	TPHg	TPHd	B	T	E	X	MTBE	Naph
5'	95	1,000	<0.94	<0.94	<0.94	<1.9	<0.94	0.052
6.5'	170	490	<1.0	<1.0	<1.0	<2.0	<1.0	0.055
8.5'	87	820	<0.97	<0.97	<0.97	<1.9	<0.97	0.055
12'	9.3	33	<0.20	<0.20	<0.20	<0.40	<0.20	<0.049

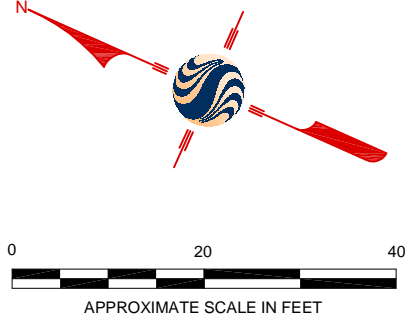
Depth bgs	TPHg	TPHd	B	T	E	X	MTBE	Naph
5'	0.26	20	<0.004	<0.004	<0.004	<0.009	<0.004	<0.0097
8'	<1.2	2.5	<0.004	<0.004	<0.004	<0.009	<0.004	<0.0097
9'	55	370	<0.99	<0.99	<0.99	<2.0	<0.99	<0.050
12'	20	270	<0.022	<0.022	<0.022	<0.043	<0.022	0.059

LEGEND:

- UNDIFFERENTIATED NONMETALLIC UTILITY LINE
- UNDIFFERENTIATED METALLIC UTILITY LINE
- FENCE
- APPROXIMATE EXTENT OF FORMER TANK EXCAVATION
- SOIL BORING LOCATION (2009)
- EXISTING MONITORING WELL LOCATION

- Legend:
- B Benzene
 - T Toluene
 - E Ethylbenzene
 - X Total Xylenes
 - Naph Naphthalene

All results reported in milligrams per kilogram (mg/kg)
Samples collected April 21 and 22, 2009



No warranty is made by Stantec as to the accuracy, reliability, or completeness of these data. Original data were compiled from various sources. This information may not meet National Map Accuracy Standards. This product was developed electronically, and may be updated without notification. Any reproduction may result in a loss of scale and/or information.

NOTE:
UTILITIES BASED ON FIGURE PROVIDED BY NORCAL GEOPHYSICAL INC. (2008)

57 Lafayette Circle, 2nd Floor
Lafayette, California, 94549
PHONE: (925) 299-9300 FAX: (925) 299-9302

PREPARED FOR:
PENSKE
725 JULIE ANN WAY
OAKLAND, CALIFORNIA

JOB NUMBER: 185701155.200.0005
DRAWN BY: JBL

TPH CONSTITUENTS IN SOIL

CHECKED BY: KC
APPROVED BY: AEM

FIGURE:
4

DATE: 06/15/09

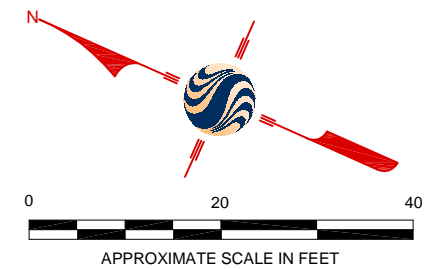
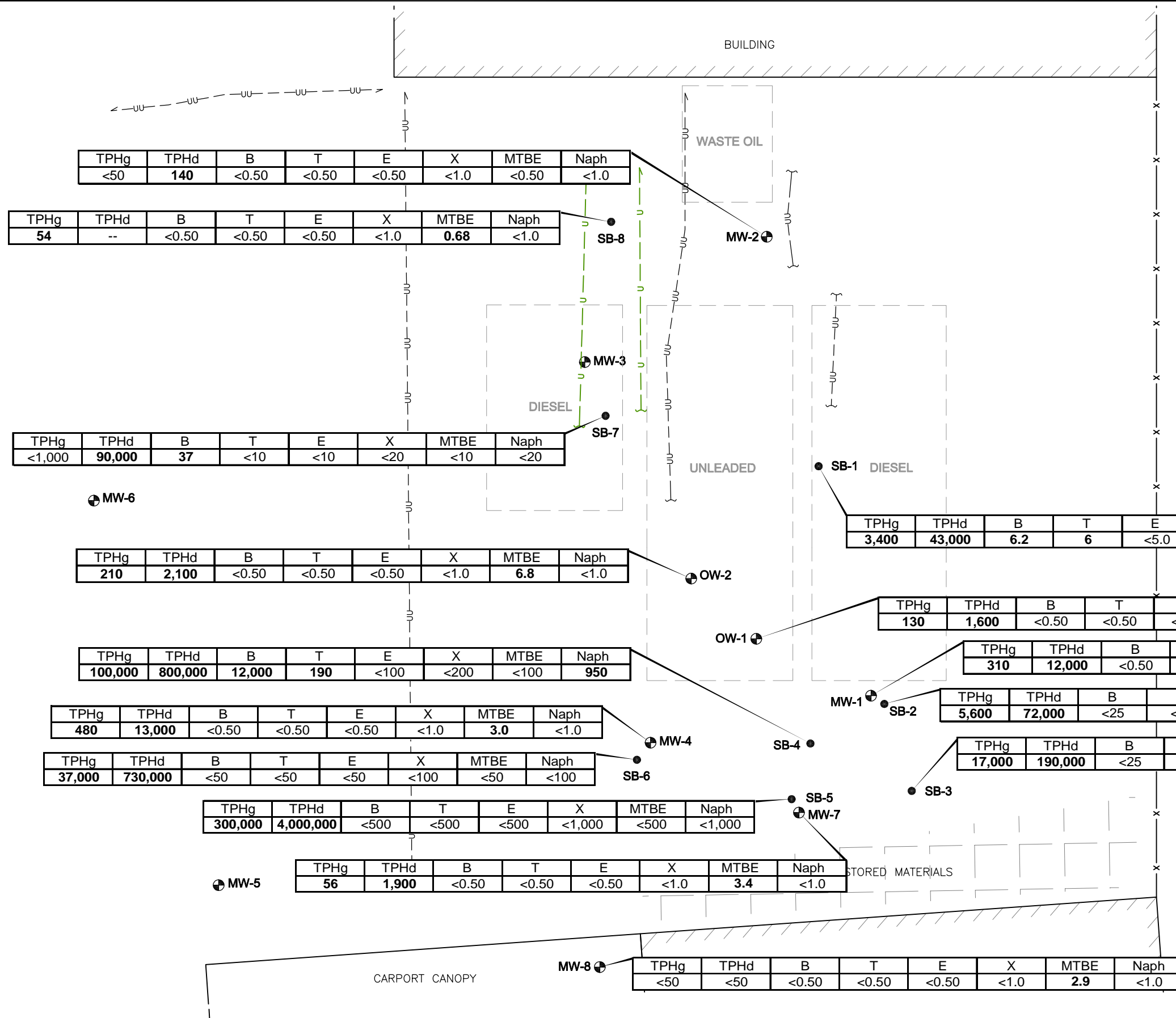
LEGEND:

- UNDIFFERENTIATED NONMETALLIC UTILITY LINE
- UNDIFFERENTIATED METALLIC UTILITY LINE
- FENCE
- APPROXIMATE EXTENT OF FORMER TANK EXCAVATION
- SOIL BORING LOCATION (2009)
- EXISTING MONITORING WELL LOCATION

Legend:

- B Benzene
- T Toluene
- E Ethylbenzene
- X Total Xylenes
- Naph Naphthalene

All results reported in micrograms per liter (ug/L)
Samples collected April 21 and 22, 2009



No warranty is made by Stantec as to the accuracy, reliability, or completeness of these data. Original data were compiled from various sources. This information may not meet National Map Accuracy Standards. This product was developed electronically, and may be updated without notification. Any reproduction may result in a loss of scale and/or information.

NOTE:
UTILITIES BASED ON FIGURE PROVIDED BY NORCAL GEOPHYSICAL INC. (2008)

 57 Lafayette Circle, 2nd Floor Lafayette, California, 94549 PHONE: (925) 299-9300 FAX: (925) 299-9302	PREPARED FOR: PENSKE 725 JULIE ANN WAY OAKLAND, CALIFORNIA	TPH CONSTITUENTS IN GROUNDWATER		FIGURE: 5
	JOB NUMBER: 185701155.200.0005	DRAWN BY: JBL	CHECKED BY: KC	APPROVED BY: AEM

APPENDIX A
ACEHS Letter
Soil and Groundwater Investigation and Groundwater Monitoring
Report
Former Penske Truck Leasing Facility
725 Julie Ann Way
Oakland, California
PN: 185701155
September 1, 2009



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

March 16, 2009

Andrew Cullen
Penske Truck Leasing Company
Route 10 Green Hills road
P.O. Box 7635
Reading, PA 19603-7635

Subject: Fuel Leak Case No. RO0000354 and GeoTracker Global ID T0600101062, Hertz Penske, 725 Julie Ann Way, Oakland, CA 94621

Dear Mr. Cullen:

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the above-referenced site including the recently submitted document entitled, "Work Plan for Additional Soil and Groundwater Investigation," dated February 5, 2009, which was prepared by Stantec Consulting Corporation for the subject site. Stantec proposes to install eight direct push borings of which three borings will be installed to assess free-phase petroleum hydrocarbons, four borings will be installed to assess subsurface conditions in the vicinity of the former Fenton's treatment area, and the last boring will be installed to evaluate subsurface conditions in the vicinity of previously unidentified lines that may have been associated with the former diesel or gasoline UST.

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

TECHNICAL COMMENTS

1. **Analytical Suite** – Stantec proposes to analyze soil and groundwater samples for total petroleum hydrocarbons (TPH) as diesel (d) using EPA Method 8015M with silica gel treatment, TPH as gasoline (g) using EPA Method 8015M, and benzene, toluene, ethylbenzene, and total xylenes (BTEX), and methyl tertiary butyl ether (MTBE) using EPA Method 8260B.

One of the human health and environmental risk drivers for unauthorized releases of diesel fuel is the polycyclic aromatic hydrocarbon (PAH), naphthalene. A 10,000-gallon underground storage tank at the site was utilized to store diesel fuel. Therefore, please analyze soil and groundwater samples for naphthalene, in addition to the proposed analytical suite mentioned above.

Lead scavengers ethylene dichloride (EDC) and ethylene dibromide (EDB) were added to leaded gasoline fuel in the past and are currently not part of the proposed analytical suite. Since the use of underground storage tanks date back to the 1970's and 80's, please include lead scavengers to the analytical suite.

NOTIFICATION OF FIELDWORK ACTIVITIES

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

TECHNICAL REPORT REQUEST

Please submit technical reports to ACEH (Attention: Paresh Khatri), according to the following schedule:

- **June 15, 2009** – Soil and Water Investigation Report
- **April 30, 2009** – Quarterly Monitoring Report (1st Quarter 2009)
- **October 30, 2009** – Quarterly Monitoring Report (3rd Quarter 2009)

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

ELECTRONIC SUBMITTAL OF REPORTS

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

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) 777-2478 or send me an electronic mail message at paresh.khatri@acgov.org.

Sincerely,



Paresh C. Khatri
Hazardous Materials Specialist



Donna L. Drogos, PE
Supervising Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

Mr. Cullen
RO0000354
March 16, 2009, Page 4

cc: Neil H. Doran, Stantec Consulting Corporation, 57 Lafayette Circle, 2nd Floor, Lafayette, CA
94549
Leroy Griffin, Oakland Fire Department, 250 Frank H. Ogawa Plaza, Ste. 3341, Oakland, CA
94612-2032
Donna Drogos, ACEH
Paresh Khatri, ACEH
GeoTracker
File

APPENDIX B
Alameda County Public Works Agency Permit
Soil and Groundwater Investigation and Groundwater Monitoring
Report
Former Penske Truck Leasing Facility
725 Julie Ann Way
Oakland, California
PN: 185701155
September 1, 2009

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: 04/17/2009 By vickyh1

Permit Numbers: W2009-0290
Permits Valid from 04/21/2009 to 04/22/2009

Application Id: 1237929327183
Site Location: Former Penske Truck Leasing Facility
725 Julie Ann Way

City of Project Site:Oakland

Project Start Date: 04/21/2009

Completion Date:04/22/2009

Assigned Inspector: Contact Ron Smalley at (510) 670-5407 or ronaldws@acpwa.org

Applicant: Stantec Consulting - Khamly Chuop
57 Lafayette Circle, Lafayette, CA 94549

Phone: 925-299-9300 x231

Property Owner: Penske Truck Leasing Company
Route 10 Green Hills Road, P.O. Box 7635, Redding, PA 19603

Phone: 610-775-6298

Client: Stantec Consulting Corporation
57 Lafayette Circle, Lafayette, CA 94549

Phone: 925-299-9300 x231

Contact: Khamly Chuop

Phone: 925-299-9300 x231
Cell: 562-519-1356

Receipt Number: WR2009-0141 Total Due: \$230.00
Payer Name : Stantec Consulting Total Amount Paid: \$230.00
Paid By: CHECK PAID IN FULL

Works Requesting Permits:

Borehole(s) for Geo Probes-Sampling 24 to 72 hours only - 8 Boreholes
Driller: Gregg Drilling - Lic #: 485165 - Method: DP

Work Total: \$230.00

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2009-0290	04/17/2009	07/20/2009	8	2.00 in.	20.00 ft

Specific Work Permit Conditions

1. 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.
2. 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.
3. Applicant shall contact Ron Smalley for an inspection time at 510-670-5407 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.
4. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

Alameda County Public Works Agency - Water Resources Well Permit

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. 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.
 7. 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.
-

APPENDIX C
Soil Boring Logs

Soil and Groundwater Investigation and Groundwater Monitoring
Report

Former Penske Truck Leasing Facility

725 Julie Ann Way

Oakland, California

PN: 185701155

September 1, 2009

PROJECT: **Former Penske Truck Leasing Facility**
 LOCATION: **725 Julie Ann Way**
 PROJECT NUMBER: **185701155.200.0003**
 DATE STARTED: **4/21/2009** COMPLETED: **4/21/2009**
 TIME STARTED: COMPLETED:
 DRILLING COMPANY: **Gregg Drilling**
 DRILLING EQUIPMENT: **Geoprobe**
 DRILLING METHOD: **Direct Push**
 SAMPLING EQUIPMENT: **Acetate Sleeve**

WELL / PROBEHOLE / BOREHOLE NO: **SB-1** PAGE 1 OF 1
 NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft):
 INITIAL DTW (ft): **N/A** BOREHOLE DEPTH (ft): **10.0**
 STATIC DTW (ft): **5.5 4/21/09** WELL DEPTH (ft): ---
 WELL CASING DIAMETER (in): --- BOREHOLE DIAMETER (in): **2.25**
 LOGGED BY: **K. Chuop** CHECKED BY: **N. Doran**



Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (ppm)	Depth (feet)	Borehole Backfill
0			Asphalt							Concrete cap
0-5		CL	SANDY CLAY WITH GRAVEL ; CL; 2.5Y4/2 dark grayish brown; moist; strong HC odor; gravel up to 1-inch in diameter; observed staining and product sheen; possible backfill material							
5-6		CH	CLAY ; CH; 10YR2/1 black; high plasticity; stiff; moist; strong HC odor; no dilatancy							
6-7		CH	At 3.5 feet below ground surface (bgs), 30-50% gravel, up to 1.5-inch in length, angular		0830 SB-1-4'	1/4		1,058		
7-8		CH	CLAY WITH GRAVEL ; CH; 2.5Y4/2 dark grayish brown; high plasticity; stiff; moist; moderate HC odor; At 4 feet bgs, found a large piece of red brick							
8-10		GP	GRAVEL ; GP; wet; poorly graded; loose gravel From approximately 5.5-8 feet bgs, no recovery			0.5/4			5	Bentonite Cement Backfill
8-9		CH	CLAY WITH GRAVEL ; CH; 2.5Y4/2 dark grayish brown; high plasticity; stiff; moist; moderate HC odor		0832 SB-1-8'	1/2		--		
9-10		GP	GRAVEL ; GP; poorly graded From 9 to 10 feet bgs, no recovery		0840 SB-1-8.5'			--		
10			Hole terminated at 10 feet.							

GEO FORM 304_STANTEC037 SB-1 THROUGH SB-8.GPJ SECOR037.GDT 6/29/09

PROJECT: **Former Penske Truck Leasing Facility**
 LOCATION: **725 Julie Ann Way**
 PROJECT NUMBER: **185701155.200.0003**
 DATE: STARTED **4/21/2009** COMPLETED: **4/21/2009**
 TIME: STARTED COMPLETED:
 DRILLING COMPANY: **Gregg Drilling**
 DRILLING EQUIPMENT: **Geoprobe**
 DRILLING METHOD: **Direct Push**
 SAMPLING EQUIPMENT: **Acetate Sleeve**

WELL / PROBEHOLE / BOREHOLE NO: **SB-2** PAGE 1 OF 1
 NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): TOC ELEV (ft):
 INITIAL DTW (ft): **N/A** BOREHOLE DEPTH (ft): **12.0**
 STATIC DTW (ft): **9 4/21/09** WELL DEPTH (ft): ---
 WELL CASING DIAMETER (in): --- BOREHOLE DIAMETER (in): **2.25**
 LOGGED BY: **K. Chuop** CHECKED BY: **N. Doran**



Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (ppm)	Depth (feet)	Borehole Backfill
0 - 12		CL	Asphalt SANDY CLAY WITH GRAVEL ; CL; 2.5Y4/2 dark grayish brown; medium plasticity; moist; gravel is fine, subangular							Concrete cap
5		CL	CLAY WITH GRAVEL ; CL; 2.5Y2.5/1 black; stiff; dry; little organic material		1400 SB-2-5'	3/3		1.1	5	Bentonite Cement Backfill
10		CH	CLAY ; CH; stiff; moderate HC odor; hydrocarbon staining; 2.5Y2.5/1 black with 10YR4/1 dark gray mottles; trace 10YR3/4 dark yellowish brown mottles; some organic material, wood 2-3 inches in length		1402 SB-2-8'			30.8		
10		CH	CLAY ; CH; very stiff; moist; Gley1 4/5GY greenish gray with 7.5YR4/3 brown mottles; little fine gravel; little pieces of wood		1404 SB-2-12'	4/4		17		
12 - 20			Hole terminated at 12 feet.							

GEO FORM 304_STANTEC037_SB-1 THROUGH SB-8.GPJ_SECOR037.GDT 6/29/09

PROJECT: **Former Penske Truck Leasing Facility**
 LOCATION: **725 Julie Ann Way**
 PROJECT NUMBER: **185701155.200.0003**
 DATE: STARTED **4/21/2009** COMPLETED: **4/21/2009**
 TIME: STARTED COMPLETED:
 DRILLING COMPANY: **Gregg Drilling**
 DRILLING EQUIPMENT: **Geoprobe**
 DRILLING METHOD: **Direct Push**
 SAMPLING EQUIPMENT: **Acetate Sleeve**

WELL / PROBEHOLE / BOREHOLE NO: **SB-3** PAGE 1 OF 1
 NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): TOC ELEV (ft):
 INITIAL DTW (ft): **N/A** BOREHOLE DEPTH (ft): **12.0**
 STATIC DTW (ft): **9.5 4/21/09** WELL DEPTH (ft): ---
 WELL CASING DIAMETER (in): --- BOREHOLE DIAMETER (in): **2.25**
 LOGGED BY: **K. Chuop** CHECKED BY: **N. Doran**



Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (ppm)	Depth (feet)	Borehole Backfill
			Asphalt layer							Concrete cap
		CL	SANDY CLAY ; CL; 2.54/2 dark grayish brown; very stiff; little fine gravel up to 0.1-inch in diameter							
5		CH	FAT CLAY ; CH; 2.5Y2.5/1 black; soft; wet; little wood (bark); little gravel up to 0.75-inch in diameter, subangular		1240 SB-3-5'			0.1	5	
		CL	CLAY ; CL; 10YR3/1 very dark gray; soft; moist; some organic material (roots)			3/3				Bentonite Cement Backfill
		GP	GRAVEL WITH SAND AND CLAY ; GP; 2.5Y2.5/1 black; wet; gravel is fine to medium; some organic material		1243 SB-3-8'			0.1		
10		CH	FAT CLAY ; CH; 2.5Y2.5/1 black; moist; trace fine gravel		1245 SB-3-9'		4/4	1.0	10	
		CH	FAT CLAY ; CH; high plasticity; very stiff; GLEY2 4/5BG dark greenish gray; 5YR4/4 reddish brown mottles; trace fine gravel; trace organic material Hole terminated at 12 feet.		1250 SB-3-12'			2.0		
15									15	
20									20	

GEO FORM 304_STANTEC037_SB-1 THROUGH SB-8.GPJ_SECOR037.GDT 6/29/09

PROJECT: **Former Penske Truck Leasing Facility**
 LOCATION: **725 Julie Ann Way**
 PROJECT NUMBER: **185701155.200.0003**
 DATE STARTED: **4/21/2009** COMPLETED: **4/21/2009**
 TIME STARTED: COMPLETED:
 DRILLING COMPANY: **Gregg Drilling**
 DRILLING EQUIPMENT: **Geoprobe**
 DRILLING METHOD: **Direct Push**
 SAMPLING EQUIPMENT: **Acetate Sleeve**

WELL / PROBEHOLE / BOREHOLE NO.: **SB-4** PAGE 1 OF 1
 NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): TOC ELEV (ft):
 INITIAL DTW (ft): **N/A** BOREHOLE DEPTH (ft): **12.0**
 STATIC DTW (ft): **10.5 4/21/09** WELL DEPTH (ft): ---
 WELL CASING DIAMETER (in): --- BOREHOLE DIAMETER (in): **2.25**
 LOGGED BY: **K. Chuop** CHECKED BY: **N. Doran**



Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (ppm)	Depth (feet)	Borehole Backfill
	Asphalt layer	CL	Asphalt layer							Concrete cap
		CH	SANDY CLAY ; CL; 10YR4/3 brown; medium plasticity; moist; gravel is fine to medium, angular							
		CH	FAT CLAY ; CH; 10YR5/3 brown; high plasticity; moist; little staining							
		CH	FAT CLAY ; CH; 10YR2/1 black; medium plasticity; moist; some fine gravel up to 1.5-inch in diameter							
5		CH	FAT CLAY ; CH; same as above, except no gravel; high plasticity; found broken fragments of brown glass		1240 SB-4-5'			0.1	5	
		CH	FAT CLAY ; CH; 10YR2/1 black; high plasticity; very stiff; strong organic odor At 5.5 feet below ground surface (bgs), clay is soft; almost wet		1243 SB-4-6.5'	3.5/3.5		0.1		Bentonite Cement Backfill
		CH	At 7.5 bgs, moist; stiff		1245 SB-4-8.5'			1.0		
10		CH	FAT CLAY ; CH; 2.5Y4/1 dark gray; high plasticity; very stiff; moist				4/4		10	
		CH	FAT CLAY ; CH; same as above, except stiff		1250 SB-4-12'			2.0		
			Hole terminated at 12 feet.							
15									15	
20									20	

GEO FORM 304_STANTEC037 SB-1 THROUGH SB-8.GPJ SECOR037.GDT 6/29/09

PROJECT: **Former Penske Truck Leasing Facility**
 LOCATION: **725 Julie Ann Way**
 PROJECT NUMBER: **185701155.200.0003**
 DATE: STARTED **4/21/2009** COMPLETED: **4/21/2009**
 TIME: STARTED COMPLETED:
 DRILLING COMPANY: **Gregg Drilling**
 DRILLING EQUIPMENT: **Geoprobe**
 DRILLING METHOD: **Direct Push**
 SAMPLING EQUIPMENT: **Acetate Sleeve**

WELL / PROBEHOLE / BOREHOLE NO: **SB-5** PAGE 1 OF 1
 NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): TOC ELEV (ft):
 INITIAL DTW (ft): **8 4/21/09** BOREHOLE DEPTH (ft): **12.0**
 STATIC DTW (ft): **9.5 4/21/09** WELL DEPTH (ft): ---
 WELL CASING DIAMETER (in): --- BOREHOLE DIAMETER (in): **2.25**
 LOGGED BY: **K. Chuop** CHECKED BY: **N. Doran**



Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (ppm)	Depth (feet)	Borehole Backfill
0		CL	Asphalt layer							Concrete cap
5		CL	SANDY CLAY ; CL; 2.5Y4/2 dark grayish brown; medium plasticity; very stiff; moist; gravel is fine to medium up to 1" in diameter							
5		CL	At 4 feet below ground surface (bgs), slight hydrocarbon odor		1140 SB-5-5'			30	5	
5		CL	FAT CLAY ; CL; 2.5Y4/1 dark gray; high plasticity; very stiff; no dilatancy; little sand							
5		CL	FAT CLAY ; CL; 2.5Y3/1 very dark gray; high plasticity; stiff; moist; no dilatancy; moist; some gley2 4/1 dark greenish gray mottling; hydrocarbon odor		1142 SB-5-6.5'	3/3		120		Bentonite Cement Backfill
5		CL	CL; At 5.5 feet bgs, presence of little organic matter (roots); soft; strong hydrocarbon odor							
5		CL	SILTY CLAY ; CL; 2.5Y2.5/1 black; medium plasticity; soft; moist; medium dilatancy; trace fine gravel; trace 5YR4/4 reddish brown brick; moist		1145 SB-5-8.5'			20		
10		CL	CLAY ; CL; 2.5Y3/1 very dark gray; medium plasticity; soft; moist; medium dilatancy; some silt; hydrocarbon odor			4/4			10	
10		CL	At 8 feet bgs, wet FAT CLAY ; CL; GLEY 4/5 dark grayish green; high plasticity; very stiff; moist; 5YR4/4 reddish brown mottling; trace fine gravel; trace organic material		1150 SB-5-12'				9.8	
12			Hole terminated at 12 feet.							

GEO FORM 304_STANTEC037_SB-1 THROUGH SB-8.GPJ_SECOR037.GDT 6/29/09

PROJECT: **Former Penske Truck Leasing Facility**
 LOCATION: **725 Julie Ann Way**
 PROJECT NUMBER: **185701155.200.0003**
 DATE: STARTED **4/22/2009** COMPLETED: **4/22/2009**
 TIME: STARTED COMPLETED:
 DRILLING COMPANY: **Gregg Drilling**
 DRILLING EQUIPMENT: **Geoprobe**
 DRILLING METHOD: **Direct Push**
 SAMPLING EQUIPMENT: **Acetate Sleeve**

WELL / PROBEHOLE / BOREHOLE NO: **SB-6** PAGE 1 OF 1
 NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft):
 INITIAL DTW (ft): **6 4/22/09** BOREHOLE DEPTH (ft): **12.0**
 STATIC DTW (ft): **9 4/22/09** WELL DEPTH (ft): ---
 WELL CASING DIAMETER (in): --- BOREHOLE DIAMETER (in): **2.25**
 LOGGED BY: **K. Chuop** CHECKED BY: **N. Doran**



Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (ppm)	Depth (feet)	Borehole Backfill
0 - 5		CL	Asphalt layer SANDY CLAY ; CL; 2.5Y4/2 dark grayish brown; medium plasticity; very stiff; moist; gravel is fine to medium up to 1" in diameter							Concrete cap
5 - 6		CL	At 5 feet bgs, encountered 4-inch concrete layer		1100 SB-6-5'	2/3		28.4	5	
6 - 8		ML	GRAVELLY CLAY ; CL; 5Y3/1 very dark gray; medium plasticity; gravel is medium At 6 feet below ground surface (bgs), presence of 2.5YR4/6 red brick; wet SILT ; ML; 5YR2.5/1 black; medium plasticity; strong hydrocarbon odor; little staining; some clay		1101 SB-6-6.5'			337		Bentonite Cement Backfill
8 - 10			No recovery from 7-8 feet bgs No recovery from 8-12 feet bgs							
10 - 12						0/4			10	
12 - 20			Hole terminated at 12 feet.							

GEO FORM 304_STANTEC037 SB-1 THROUGH SB-8.GPJ SECOR037.GDT 6/29/09

PROJECT: **Former Penske Truck Leasing Facility**
 LOCATION: **725 Julie Ann Way**
 PROJECT NUMBER: **185701155.200.0003**
 DATE: STARTED **4/22/2009** COMPLETED: **4/22/2009**
 TIME: STARTED COMPLETED:
 DRILLING COMPANY: **Gregg Drilling**
 DRILLING EQUIPMENT: **Geoprobe**
 DRILLING METHOD: **Direct Push**
 SAMPLING EQUIPMENT: **Acetate Sleeve**

WELL / PROBEHOLE / BOREHOLE NO: **SB-7** PAGE 1 OF 1
 NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): TOC ELEV (ft):
 INITIAL DTW (ft): **N/A** BOREHOLE DEPTH (ft): **20.0**
 STATIC DTW (ft): **11 4/22/09** WELL DEPTH (ft): ---
 WELL CASING DIAMETER (in): --- BOREHOLE DIAMETER (in): **2.25**
 LOGGED BY: **K. Chuop** CHECKED BY: **N. Doran**



Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (ppm)	Depth (feet)	Borehole Backfill
		GP	Asphalt layer							Concrete cap
		CL	GRAVEL ; GP; 2.5Y2.5/1 black; poorly graded; very strong hydrocarbon odor							
		CL	SANDY CLAY ; CL; with silt							
5		GP	GRAVEL ; GP; 2.5Y2.5/1 black; poorly graded; very strong hydrocarbon odor							
		SP	SAND ; SP; 10YR6/4 light yellowish brown; dry; poorly graded; sand is fine- to medium-grained; trace mica; trace black staining; some clay; some silt		0950 SB-7-5'	3/3		0.3	5	
		SP	SAND ; SP; 10YR3/1 very dark gray; poorly graded; moist, almost wet; little coarse gravel, hydrocarbon odor; little brick pieces							
		CH	FAT CLAY ; CH; 2.5Y4/1 dark gray; high plasticity; little dilatancy; no sand; interbedded with gley 2 4/5BG greenish gray color; moist		0955 SB-7-8'	0.5/4		15.5		
		GP	GRAVEL ; GP; poorly graded; coarse gravel							
10			From 8.5-12 feet bgs, no recovery							Bentonite Cement Backfill
		CH	FAT CLAY ; CH; 2.5Y4/1 dark gray; high plasticity; little dilatancy; no sand; interbedded with gley 2 4/5BG greenish gray color; moist		0959 SB-7-12'	4/4		9.2		
15			At 13.5 feet bgs, color change to gley2 4/5BG greenish gray							
			At 17.5 feet bgs, color change to 2.5YR4/4 olive brown							
			At 18 feet bgs, color change to 2.5Y4/1 dark gray							
		CL	From 18.25-18.5 feet bgs, prescence of little brick and approximate 1-inch layer of calcium carbonate		1000 SB-7-16'	4/4		11.1		
20			SANDY CLAY ; CL; 2.5Y4/1 dark gray; high plasticity; stiff; moist; sand is fine-grained; slow dilatancy							
			Hole terminated at 20 feet.							

GEO FORM 304_STANTEC037_SB-1 THROUGH SB-8.GPJ_SECOR037.GDT 6/29/09

PROJECT: **Former Penske Truck Leasing Facility**
 LOCATION: **725 Julie Ann Way**
 PROJECT NUMBER: **185701155.200.0003**
 DATE: STARTED **4/22/2009** COMPLETED: **4/22/2009**
 TIME: STARTED COMPLETED:
 DRILLING COMPANY: **Gregg Drilling**
 DRILLING EQUIPMENT: **Geoprobe**
 DRILLING METHOD: **Direct Push**
 SAMPLING EQUIPMENT: **Acetate Sleeve**

WELL / PROBEHOLE / BOREHOLE NO: **SB-8** PAGE 1 OF 1
 NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): TOC ELEV (ft):
 INITIAL DTW (ft): **N/A** BOREHOLE DEPTH (ft): **20.0**
 STATIC DTW (ft): **19 4/22/09** WELL DEPTH (ft): ---
 WELL CASING DIAMETER (in): --- BOREHOLE DIAMETER (in): **2.25**
 LOGGED BY: **K. Chuop** CHECKED BY: **N. Doran**



Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (ppm)	Depth (feet)	Borehole Backfill
			Asphalt							Concrete cap
		ML CH	SANDY SILT ; ML; GLEY1 5/10Y greenish gray; low plasticity; dry; sand is medium-grained; little clay; little fine gravel SANDY FAT CLAY ; CH; GLEY1 4/10Y dark greenish gray; high plasticity; with gravel and silt; sand is fine-grained; gravel is fine; slight hydrocarbon odor							
		GW-GM	GRAVEL WITH SILT ; GW-GM; poorly graded; gravel is angular; with clay; some fine-grained sand							
5		CH	SANDY FAT CLAY ; CH; GLEY1 4/10Y dark greenish gray; high plasticity; with gravel and silt; sand is fine-grained; gravel is fine		0840 SB-8-5'			2.1	5	
		CL	CLAY ; CL; GLEY1 4/10Y dark greenish gray; medium plasticity; stiff; no dilatancy; trace red brick pieces Encountered more red brick		0843 SB-8-7.5'	3/3				
			From 10 to 12 feet below ground surface (bgs), no recovery			2/4		6.2		
10									10	Bentonite Cement Backfill
		CL	CLAY ; CL; GLEY1 4/10Y dark greenish gray; medium plasticity; stiff; no dilatancy At 13 feet bgs, color change to 7.5YR4/2 brown From 13.5 to 16 feet bgs, no recovery		0855 SB-8-12'	1.5/4		0.4		
15									15	
		CH	FAT CLAY ; CH; GLEY1 4/10Y dark greenish gray; high plasticity; interbedded with color 7.5YR4/2 brown; trace fine gravel; trace mica; trace red brick		0900 SB-8-17'	4/4		0.2		
			At 18.5 feet bgs, small area of staining							
		CL	SANDY CLAY ; CL; 10YR5/4 yellowish brown; medium plasticity; sand is fine-grained; little silt Hole terminated at 20 feet.						20	

GEO FORM 304_STANTEC037_SB-1 THROUGH SB-8.GPJ_SECOR037.GDT_6/29/09

APPENDIX D
Laboratory Analytical Results
Soil and Groundwater Investigation and Groundwater Monitoring
Report
Former Penske Truck Leasing Facility
725 Julie Ann Way
Oakland, California
PN: 185701155
September 1, 2009

ANALYTICAL REPORT

Job Number: 720-19402-1

Job Description: 725 Julie Ann Way

For:

Stantec Consulting Corp.

57 Lafayette Circle

2nd Floor

Lafayette, CA 94549-4321

Attention: Khamly Chuop



Approved for release.
Afsaneh Salimpour
Project Manager I
5/19/2009 12:26 PM

Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com
05/19/2009

Job Narrative
720-J19402-1

Comments

No additional comments.

Receipt

Amber liter for EB is about a quarter full.

The following sample was received with headspace in the sample vial: MW-2 (4 of 6 vials), OW-2 (5 of 6 vials), znd OW-1 (4 of 6 vials).

All other samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B/CA_LUFTMS: The method blank for preparation batch 49357 contained Toluene above the reporting limit (RL). None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed.

No other analytical or quality issues were noted.

GC Semi VOA

Method(s) 8015B: Capric acid surrogate recovery for the following sample(s) was outside control limits: MW-1 (720-19402-1), MW-7 (720-19402-4), OW-1 (720-19402-6). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8015B: Surrogate recovery for the following sample(s) was outside control limits: DUP (720-19402-10), MW-4 (720-19402-3), OW-2 (720-19402-7). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No other analytical or quality issues were noted.

General Chemistry

No other analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

Lab Sample ID	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-19402-1	MW-1				
Gasoline Range Organics (GRO)-C5-C12		240	50	ug/L	8260B/CA_LUFTMS
MTBE		2.6	0.50	ug/L	8260B/CA_LUFTMS
Sulfate		180	10	mg/L	300.0
Nitrate as NO3		4.1	1.0	mg/L	300.0
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		3200	50	ug/L	8015B
720-19402-2	MW-2				
Sulfate		40	10	mg/L	300.0
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		140	50	ug/L	8015B
720-19402-3	MW-4				
Gasoline Range Organics (GRO)-C5-C12		480	50	ug/L	8260B/CA_LUFTMS
MTBE		3.0	0.50	ug/L	8260B/CA_LUFTMS
Sulfate		360	50	mg/L	300.0
Nitrate as NO3		2.0	1.0	mg/L	300.0
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		13000	100	ug/L	8015B
720-19402-4	MW-7				
Gasoline Range Organics (GRO)-C5-C12		56	50	ug/L	8260B/CA_LUFTMS
MTBE		3.4	0.50	ug/L	8260B/CA_LUFTMS
Sulfate		190	20	mg/L	300.0
Nitrate as NO3		15	1.0	mg/L	300.0
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		1900	50	ug/L	8015B
720-19402-5	MW-8				
MTBE		2.9	0.50	ug/L	8260B/CA_LUFTMS
Sulfate		260	20	mg/L	300.0
Nitrate as NO3		14	1.0	mg/L	300.0

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

Lab Sample ID	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-19402-6	OW-1				
Gasoline Range Organics (GRO)-C5-C12		130	50	ug/L	8260B/CA_LUFTMS
MTBE		8.9	0.50	ug/L	8260B/CA_LUFTMS
Sulfate		1.1	1.0	mg/L	300.0
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		1600	50	ug/L	8015B
720-19402-7	OW-2				
Gasoline Range Organics (GRO)-C5-C12		210	50	ug/L	8260B/CA_LUFTMS
MTBE		6.8	0.50	ug/L	8260B/CA_LUFTMS
Sulfate		29	10	mg/L	300.0
Nitrate as NO3		2.5	1.0	mg/L	300.0
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		2100	50	ug/L	8015B
720-19402-10	DUP				
Gasoline Range Organics (GRO)-C5-C12		310	50	ug/L	8260B/CA_LUFTMS
MTBE		2.8	0.50	ug/L	8260B/CA_LUFTMS
Sulfate		180	10	mg/L	300.0
Nitrate as NO3		3.9	1.0	mg/L	300.0
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		12000	50	ug/L	8015B
720-19402-11	DW				
Naphthalene		1.6	1.0	ug/L	8260B
Benzene		1.6	0.50	ug/L	8260B/CA_LUFTMS
Gasoline Range Organics (GRO)-C5-C12		150	50	ug/L	8260B/CA_LUFTMS
Toluene		4.3	0.50	ug/L	8260B/CA_LUFTMS
Xylenes, Total		20	1.0	ug/L	8260B/CA_LUFTMS
MTBE		5.5	0.50	ug/L	8260B/CA_LUFTMS
Ethylbenzene		3.7	0.50	ug/L	8260B/CA_LUFTMS
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		640	50	ug/L	8015B

METHOD SUMMARY

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL SF	SW846 8260B	
Purge and Trap	TAL SF		SW846 5030B
Volatile Organic Compounds by GC/MS	TAL SF	SW846 8260B/CA_LUFTMS	
Purge and Trap	TAL SF		SW846 5030B
Diesel Range Organics (DRO) (GC)	TAL SF	SW846 8015B	
Liquid-Liquid Extraction (Separatory Funnel)	TAL SF		SW846 3510C SGC
Anions, Ion Chromatography	TAL SF	MCAWW 300.0	

Lab References:

TAL SF = TestAmerica San Francisco

Method References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

Method	Analyst	Analyst ID
SW846 8260B	Yee, Richard G	RGY
SW846 8260B/CA_LUFTMS	Ali, Badri	BA
SW846 8015B	Vincent, Richard	RV
MCAWW 300.0	Cavalli, Evan	EC

SAMPLE SUMMARY

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-19402-1	MW-1	Water	04/22/2009 1600	04/23/2009 1020
720-19402-2	MW-2	Water	04/22/2009 1135	04/23/2009 1020
720-19402-3	MW-4	Water	04/22/2009 1520	04/23/2009 1020
720-19402-4	MW-7	Water	04/22/2009 1441	04/23/2009 1020
720-19402-5	MW-8	Water	04/22/2009 1220	04/23/2009 1020
720-19402-6	OW-1	Water	04/22/2009 1250	04/23/2009 1020
720-19402-7	OW-2	Water	04/22/2009 1320	04/23/2009 1020
720-19402-8	TB	Water	04/22/2009 1030	04/23/2009 1020
720-19402-9	EB	Water	04/22/2009 1330	04/23/2009 1020
720-19402-10	DUP	Water	04/22/2009 1615	04/23/2009 1020
720-19402-11	DW	Water	04/22/2009 1630	04/23/2009 1020

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

Client Sample ID: MW-1

Lab Sample ID: 720-19402-1

Date Sampled: 04/22/2009 1600

Client Matrix: Water

Date Received: 04/23/2009 1020

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-49561

Instrument ID: Chemstation 3.0 on 95PC

Preparation: 5030B

Lab File ID: 05020919.D

Dilution: 1.0

Initial Weight/Volume: 10 mL

Date Analyzed: 05/02/2009 1838

Final Weight/Volume: 10 mL

Date Prepared: 05/02/2009 1838

Analyte	Result (ug/L)	Qualifier	RL
Naphthalene	ND		1.0
Surrogate	%Rec		Acceptance Limits
4-Bromofluorobenzene	103		74 - 131
1,2-Dichloroethane-d4 (Surr)	109		72 - 125
Toluene-d8 (Surr)	103		82 - 120

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

Client Sample ID: MW-2

Lab Sample ID: 720-19402-2

Date Sampled: 04/22/2009 1135

Client Matrix: Water

Date Received: 04/23/2009 1020

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-49968

Instrument ID: Chemstation 3.0 on 95PC

Preparation: 5030B

Lab File ID: 05040911.D

Dilution: 1.0

Initial Weight/Volume: 10 mL

Date Analyzed: 05/04/2009 1236

Final Weight/Volume: 10 mL

Date Prepared: 05/04/2009 1236

Analyte	Result (ug/L)	Qualifier	RL
Naphthalene	ND		1.0
Surrogate	%Rec		Acceptance Limits
4-Bromofluorobenzene	102		74 - 131
1,2-Dichloroethane-d4 (Surr)	110		72 - 125
Toluene-d8 (Surr)	108		82 - 120

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

Client Sample ID: MW-4

Lab Sample ID: 720-19402-3

Date Sampled: 04/22/2009 1520

Client Matrix: Water

Date Received: 04/23/2009 1020

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-49561

Instrument ID: Chemstation 3.0 on 95PC

Preparation: 5030B

Lab File ID: 05020921.D

Dilution: 1.0

Initial Weight/Volume: 10 mL

Date Analyzed: 05/02/2009 1942

Final Weight/Volume: 10 mL

Date Prepared: 05/02/2009 1942

Analyte	Result (ug/L)	Qualifier	RL
Naphthalene	ND		1.0
Surrogate	%Rec		Acceptance Limits
4-Bromofluorobenzene	102		74 - 131
1,2-Dichloroethane-d4 (Surr)	107		72 - 125
Toluene-d8 (Surr)	103		82 - 120

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

Client Sample ID: MW-7

Lab Sample ID: 720-19402-4

Date Sampled: 04/22/2009 1441

Client Matrix: Water

Date Received: 04/23/2009 1020

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-50019

Instrument ID: Chemstation 3.0 on 95PC

Preparation: 5030B

Lab File ID: 05050938.D

Dilution: 1.0

Initial Weight/Volume: 10 mL

Date Analyzed: 05/06/2009 0324

Final Weight/Volume: 10 mL

Date Prepared: 05/06/2009 0324

Analyte	Result (ug/L)	Qualifier	RL
Naphthalene	ND		1.0
Surrogate	%Rec		Acceptance Limits
4-Bromofluorobenzene	97		74 - 131
1,2-Dichloroethane-d4 (Surr)	114		72 - 125
Toluene-d8 (Surr)	104		82 - 120

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

Client Sample ID: MW-8

Lab Sample ID: 720-19402-5

Date Sampled: 04/22/2009 1220

Client Matrix: Water

Date Received: 04/23/2009 1020

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-49561

Instrument ID: Chemstation 3.0 on 95PC

Preparation: 5030B

Lab File ID: 05020923.D

Dilution: 1.0

Initial Weight/Volume: 10 mL

Date Analyzed: 05/02/2009 2046

Final Weight/Volume: 10 mL

Date Prepared: 05/02/2009 2046

Analyte	Result (ug/L)	Qualifier	RL
Naphthalene	ND		1.0
Surrogate	%Rec		Acceptance Limits
4-Bromofluorobenzene	99		74 - 131
1,2-Dichloroethane-d4 (Surr)	104		72 - 125
Toluene-d8 (Surr)	103		82 - 120

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

Client Sample ID: OW-1

Lab Sample ID: 720-19402-6

Date Sampled: 04/22/2009 1250

Client Matrix: Water

Date Received: 04/23/2009 1020

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-49561

Instrument ID: Chemstation 3.0 on 95PC

Preparation: 5030B

Lab File ID: 05020924.D

Dilution: 1.0

Initial Weight/Volume: 10 mL

Date Analyzed: 05/02/2009 2118

Final Weight/Volume: 10 mL

Date Prepared: 05/02/2009 2118

Analyte	Result (ug/L)	Qualifier	RL
Naphthalene	ND		1.0
Surrogate	%Rec		Acceptance Limits
4-Bromofluorobenzene	98		74 - 131
1,2-Dichloroethane-d4 (Surr)	106		72 - 125
Toluene-d8 (Surr)	101		82 - 120

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

Client Sample ID: OW-2

Lab Sample ID: 720-19402-7

Date Sampled: 04/22/2009 1320

Client Matrix: Water

Date Received: 04/23/2009 1020

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-49561

Instrument ID: Chemstation 3.0 on 95PC

Preparation: 5030B

Lab File ID: 05020925.D

Dilution: 1.0

Initial Weight/Volume: 10 mL

Date Analyzed: 05/02/2009 2149

Final Weight/Volume: 10 mL

Date Prepared: 05/02/2009 2149

Analyte	Result (ug/L)	Qualifier	RL
Naphthalene	ND		1.0
Surrogate	%Rec		Acceptance Limits
4-Bromofluorobenzene	99		74 - 131
1,2-Dichloroethane-d4 (Surr)	104		72 - 125
Toluene-d8 (Surr)	103		82 - 120

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

Client Sample ID: EB

Lab Sample ID: 720-19402-9

Date Sampled: 04/22/2009 1330

Client Matrix: Water

Date Received: 04/23/2009 1020

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-49561

Instrument ID: Chemstation 3.0 on 95PC

Preparation: 5030B

Lab File ID: 05020918.D

Dilution: 1.0

Initial Weight/Volume: 10 mL

Date Analyzed: 05/02/2009 1807

Final Weight/Volume: 10 mL

Date Prepared: 05/02/2009 1807

Analyte	Result (ug/L)	Qualifier	RL
Naphthalene	ND		1.0
Surrogate	%Rec		Acceptance Limits
4-Bromofluorobenzene	97		74 - 131
1,2-Dichloroethane-d4 (Surr)	112		72 - 125
Toluene-d8 (Surr)	99		82 - 120

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

Client Sample ID: DUP

Lab Sample ID: 720-19402-10

Date Sampled: 04/22/2009 1615

Client Matrix: Water

Date Received: 04/23/2009 1020

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-49561

Instrument ID: Chemstation 3.0 on 95PC

Preparation: 5030B

Lab File ID: 05020926.D

Dilution: 1.0

Initial Weight/Volume: 10 mL

Date Analyzed: 05/02/2009 2221

Final Weight/Volume: 10 mL

Date Prepared: 05/02/2009 2221

Analyte	Result (ug/L)	Qualifier	RL
Naphthalene	ND		1.0
Surrogate	%Rec		Acceptance Limits
4-Bromofluorobenzene	100		74 - 131
1,2-Dichloroethane-d4 (Surr)	105		72 - 125
Toluene-d8 (Surr)	103		82 - 120

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

Client Sample ID: DW

Lab Sample ID: 720-19402-11

Date Sampled: 04/22/2009 1630

Client Matrix: Water

Date Received: 04/23/2009 1020

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-49968

Instrument ID: Chemstation 3.0 on 95PC

Preparation: 5030B

Lab File ID: 05040912.D

Dilution: 1.0

Initial Weight/Volume: 10 mL

Date Analyzed: 05/04/2009 1308

Final Weight/Volume: 10 mL

Date Prepared: 05/04/2009 1308

Analyte	Result (ug/L)	Qualifier	RL
Naphthalene	1.6		1.0
Surrogate	%Rec		Acceptance Limits
4-Bromofluorobenzene	104		74 - 131
1,2-Dichloroethane-d4 (Surr)	109		72 - 125
Toluene-d8 (Surr)	108		82 - 120

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

Client Sample ID: MW-1

Lab Sample ID: 720-19402-1
Client Matrix: Water

Date Sampled: 04/22/2009 1600
Date Received: 04/23/2009 1020

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-50246	Instrument ID: Chemstation 3.0 on 95PC
Preparation:	5030B		Lab File ID: 05020919.D
Dilution:	1.0		Initial Weight/Volume: 1.0 mL
Date Analyzed:	05/02/2009 1838		Final Weight/Volume: 1.0 mL
Date Prepared:	05/02/2009 1838		

Analyte	Result (ug/L)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12	240		50

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-50373	Instrument ID: Chemstation 3.0 on 95PC
Preparation:	5030B		Lab File ID: 05020919.D
Dilution:	1.0		Initial Weight/Volume: 10 mL
Date Analyzed:	05/02/2009 1838		Final Weight/Volume: 10 mL
Date Prepared:	05/02/2009 1838		

Analyte	Result (ug/L)	Qualifier	RL
Benzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
MTBE	2.6		0.50
Ethylene Dibromide	ND		0.50
1,2-Dichloroethane	ND		0.50
Ethylbenzene	ND		0.50

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	101	78 - 130
1,2-Dichloroethane-d4 (Surr)	122	67 - 130

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

Client Sample ID: MW-2

Lab Sample ID: 720-19402-2
Client Matrix: Water

Date Sampled: 04/22/2009 1135
Date Received: 04/23/2009 1020

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-50181 Instrument ID: Chemstation 3.0 on 95PC
Preparation: 5030B Lab File ID: 05040911.D
Dilution: 1.0 Initial Weight/Volume: 10 mL
Date Analyzed: 05/04/2009 1236 Final Weight/Volume: 10 mL
Date Prepared: 05/04/2009 1236

Analyte	Result (ug/L)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12	ND		50

Method: 8260B/CA_LUFTMS Analysis Batch: 720-50341 Instrument ID: Chemstation 3.0 on 95PC
Preparation: 5030B Lab File ID: 05040911.D
Dilution: 1.0 Initial Weight/Volume: 10 mL
Date Analyzed: 05/04/2009 1236 Final Weight/Volume: 10 mL
Date Prepared: 05/04/2009 1236

Analyte	Result (ug/L)	Qualifier	RL
Benzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
MTBE	ND		0.50
Ethylene Dibromide	ND		0.50
1,2-Dichloroethane	ND		0.50
Ethylbenzene	ND		0.50

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	106	78 - 130
1,2-Dichloroethane-d4 (Surr)	122	67 - 130

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

Client Sample ID: MW-4

Lab Sample ID: 720-19402-3
Client Matrix: Water

Date Sampled: 04/22/2009 1520
Date Received: 04/23/2009 1020

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-50246 Instrument ID: Chemstation 3.0 on 95PC
Preparation: 5030B Lab File ID: 05020921.D
Dilution: 1.0 Initial Weight/Volume: 10 mL
Date Analyzed: 05/02/2009 1942 Final Weight/Volume: 10 mL
Date Prepared: 05/02/2009 1942

Analyte	Result (ug/L)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12	480		50

Method: 8260B/CA_LUFTMS Analysis Batch: 720-50373 Instrument ID: Chemstation 3.0 on 95PC
Preparation: 5030B Lab File ID: 05020921.D
Dilution: 1.0 Initial Weight/Volume: 10 mL
Date Analyzed: 05/02/2009 1942 Final Weight/Volume: 10 mL
Date Prepared: 05/02/2009 1942

Analyte	Result (ug/L)	Qualifier	RL
Benzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
MTBE	3.0		0.50
Ethylene Dibromide	ND		0.50
1,2-Dichloroethane	ND		0.50
Ethylbenzene	ND		0.50

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	101	78 - 130
1,2-Dichloroethane-d4 (Surr)	119	67 - 130

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

Client Sample ID: MW-7

Lab Sample ID: 720-19402-4
Client Matrix: Water

Date Sampled: 04/22/2009 1441
Date Received: 04/23/2009 1020

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-50195 Instrument ID: Chemstation 3.0 on 95PC
Preparation: 5030B Lab File ID: 05050938.D
Dilution: 1.0 Initial Weight/Volume: 10 mL
Date Analyzed: 05/06/2009 0324 Final Weight/Volume: 10 mL
Date Prepared: 05/06/2009 0324

Analyte	Result (ug/L)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12	56		50

Method: 8260B/CA_LUFTMS Analysis Batch: 720-50348 Instrument ID: Chemstation 3.0 on 95PC
Preparation: 5030B Lab File ID: 05050938.D
Dilution: 1.0 Initial Weight/Volume: 10 mL
Date Analyzed: 05/06/2009 0324 Final Weight/Volume: 10 mL
Date Prepared: 05/06/2009 0324

Analyte	Result (ug/L)	Qualifier	RL
Benzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
MTBE	3.4		0.50
Ethylene Dibromide	ND		0.50
1,2-Dichloroethane	ND		0.50
Ethylbenzene	ND		0.50

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	102	78 - 130
1,2-Dichloroethane-d4 (Surr)	127	67 - 130

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

Client Sample ID: MW-8

Lab Sample ID: 720-19402-5
Client Matrix: Water

Date Sampled: 04/22/2009 1220
Date Received: 04/23/2009 1020

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-50246 Instrument ID: Chemstation 3.0 on 95PC
Preparation: 5030B Lab File ID: 05020923.D
Dilution: 1.0 Initial Weight/Volume: 10 mL
Date Analyzed: 05/02/2009 2046 Final Weight/Volume: 10 mL
Date Prepared: 05/02/2009 2046

Analyte	Result (ug/L)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12	ND		50

Method: 8260B/CA_LUFTMS Analysis Batch: 720-50373 Instrument ID: Chemstation 3.0 on 95PC
Preparation: 5030B Lab File ID: 05020923.D
Dilution: 1.0 Initial Weight/Volume: 10 mL
Date Analyzed: 05/02/2009 2046 Final Weight/Volume: 10 mL
Date Prepared: 05/02/2009 2046

Analyte	Result (ug/L)	Qualifier	RL
Benzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
MTBE	2.9		0.50
Ethylene Dibromide	ND		0.50
1,2-Dichloroethane	ND		0.50
Ethylbenzene	ND		0.50

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	101	78 - 130
1,2-Dichloroethane-d4 (Surr)	116	67 - 130

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

Client Sample ID: OW-1

Lab Sample ID: 720-19402-6
Client Matrix: Water

Date Sampled: 04/22/2009 1250
Date Received: 04/23/2009 1020

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-50246	Instrument ID: Chemstation 3.0 on 95PC
Preparation:	5030B		Lab File ID: 05020924.D
Dilution:	1.0		Initial Weight/Volume: 10 mL
Date Analyzed:	05/02/2009 2118		Final Weight/Volume: 10 mL
Date Prepared:	05/02/2009 2118		

Analyte	Result (ug/L)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12	130		50

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-50373	Instrument ID: Chemstation 3.0 on 95PC
Preparation:	5030B		Lab File ID: 05020924.D
Dilution:	1.0		Initial Weight/Volume: 10 mL
Date Analyzed:	05/02/2009 2118		Final Weight/Volume: 10 mL
Date Prepared:	05/02/2009 2118		

Analyte	Result (ug/L)	Qualifier	RL
Benzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
MTBE	8.9		0.50
Ethylene Dibromide	ND		0.50
1,2-Dichloroethane	ND		0.50
Ethylbenzene	ND		0.50

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	98	78 - 130
1,2-Dichloroethane-d4 (Surr)	118	67 - 130

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

Client Sample ID: OW-2

Lab Sample ID: 720-19402-7
Client Matrix: Water

Date Sampled: 04/22/2009 1320
Date Received: 04/23/2009 1020

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-50246 Instrument ID: Chemstation 3.0 on 95PC
Preparation: 5030B Lab File ID: 05020925.D
Dilution: 1.0 Initial Weight/Volume: 10 mL
Date Analyzed: 05/02/2009 2149 Final Weight/Volume: 10 mL
Date Prepared: 05/02/2009 2149

Analyte	Result (ug/L)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12	210		50

Method: 8260B/CA_LUFTMS Analysis Batch: 720-50373 Instrument ID: Chemstation 3.0 on 95PC
Preparation: 5030B Lab File ID: 05020925.D
Dilution: 1.0 Initial Weight/Volume: 10 mL
Date Analyzed: 05/02/2009 2149 Final Weight/Volume: 10 mL
Date Prepared: 05/02/2009 2149

Analyte	Result (ug/L)	Qualifier	RL
Benzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
MTBE	6.8		0.50
Ethylene Dibromide	ND		0.50
1,2-Dichloroethane	ND		0.50
Ethylbenzene	ND		0.50

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	101	78 - 130
1,2-Dichloroethane-d4 (Surr)	116	67 - 130

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

Client Sample ID: TB

Lab Sample ID: 720-19402-8

Date Sampled: 04/22/2009 1030

Client Matrix: Water

Date Received: 04/23/2009 1020

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-49357 Instrument ID: Varian 3900C
Preparation: 5030B Lab File ID: e:\data\200904\042809\sa-
Dilution: 1.0 Initial Weight/Volume: 40 mL
Date Analyzed: 04/28/2009 2146 Final Weight/Volume: 40 mL
Date Prepared: 04/28/2009 2146

Analyte	Result (ug/L)	Qualifier	RL
Benzene	ND		0.50
Gasoline Range Organics (GRO)-C5-C12	ND		50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
MTBE	ND		0.50
Ethylbenzene	ND		0.50
Surrogate	%Rec		Acceptance Limits
Toluene-d8 (Surr)	102		78 - 112
1,2-Dichloroethane-d4 (Surr)	95		67 - 126

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

Client Sample ID: EB

Lab Sample ID: 720-19402-9
Client Matrix: Water

Date Sampled: 04/22/2009 1330
Date Received: 04/23/2009 1020

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA_LUFTMS	Analysis Batch: 720-49357	Instrument ID: Varian 3900C
Preparation: 5030B		Lab File ID: e:\data\200904\042809\sa-
Dilution: 1.0		Initial Weight/Volume: 40 mL
Date Analyzed: 04/28/2009 2213		Final Weight/Volume: 40 mL
Date Prepared: 04/28/2009 2213		

Analyte	Result (ug/L)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	103	78 - 112
1,2-Dichloroethane-d4 (Surr)	103	67 - 126

Method: 8260B/CA_LUFTMS	Analysis Batch: 720-50373	Instrument ID: Chemstation 3.0 on 95PC
Preparation: 5030B		Lab File ID: 05020918.D
Dilution: 1.0		Initial Weight/Volume: 10 mL
Date Analyzed: 05/02/2009 1807		Final Weight/Volume: 10 mL
Date Prepared: 05/02/2009 1807		

Analyte	Result (ug/L)	Qualifier	RL
Benzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
MTBE	ND		0.50
Ethylene Dibromide	ND		0.50
1,2-Dichloroethane	ND		0.50
Ethylbenzene	ND		0.50

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	97	78 - 130
1,2-Dichloroethane-d4 (Surr)	124	67 - 130

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

Client Sample ID: DUP

Lab Sample ID: 720-19402-10
Client Matrix: Water

Date Sampled: 04/22/2009 1615
Date Received: 04/23/2009 1020

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-50246 Instrument ID: Chemstation 3.0 on 95PC
Preparation: 5030B Lab File ID: 05020926.D
Dilution: 1.0 Initial Weight/Volume: 10 mL
Date Analyzed: 05/02/2009 2221 Final Weight/Volume: 10 mL
Date Prepared: 05/02/2009 2221

Analyte	Result (ug/L)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12	310		50

Method: 8260B/CA_LUFTMS Analysis Batch: 720-50373 Instrument ID: Chemstation 3.0 on 95PC
Preparation: 5030B Lab File ID: 05020926.D
Dilution: 1.0 Initial Weight/Volume: 10 mL
Date Analyzed: 05/02/2009 2221 Final Weight/Volume: 10 mL
Date Prepared: 05/02/2009 2221

Analyte	Result (ug/L)	Qualifier	RL
Benzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
MTBE	2.8		0.50
Ethylene Dibromide	ND		0.50
1,2-Dichloroethane	ND		0.50
Ethylbenzene	ND		0.50

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	100	78 - 130
1,2-Dichloroethane-d4 (Surr)	116	67 - 130

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

Client Sample ID: DW

Lab Sample ID: 720-19402-11
Client Matrix: Water

Date Sampled: 04/22/2009 1630
Date Received: 04/23/2009 1020

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-50181 Instrument ID: Chemstation 3.0 on 95PC
Preparation: 5030B Lab File ID: 05040912.D
Dilution: 1.0 Initial Weight/Volume: 10 mL
Date Analyzed: 05/04/2009 1308 Final Weight/Volume: 10 mL
Date Prepared: 05/04/2009 1308

Analyte	Result (ug/L)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12	150		50

Method: 8260B/CA_LUFTMS Analysis Batch: 720-50341 Instrument ID: Chemstation 3.0 on 95PC
Preparation: 5030B Lab File ID: 05040912.D
Dilution: 1.0 Initial Weight/Volume: 10 mL
Date Analyzed: 05/04/2009 1308 Final Weight/Volume: 10 mL
Date Prepared: 05/04/2009 1308

Analyte	Result (ug/L)	Qualifier	RL
Benzene	1.6		0.50
Toluene	4.3		0.50
Xylenes, Total	20		1.0
MTBE	5.5		0.50
Ethylbenzene	3.7		0.50

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	106	78 - 130
1,2-Dichloroethane-d4 (Surr)	121	67 - 130

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

Client Sample ID: MW-1

Lab Sample ID: 720-19402-1

Date Sampled: 04/22/2009 1600

Client Matrix: Water

Date Received: 04/23/2009 1020

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-49462	Instrument ID:	HP GC 7890
Preparation:	3510C SGC	Prep Batch: 720-49324	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	500 mL
Date Analyzed:	04/29/2009 1952		Final Weight/Volume:	2 mL
Date Prepared:	04/28/2009 1225		Injection Volume:	
			Column ID:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	3200		50
Surrogate	%Rec		Acceptance Limits
Capric Acid (Surr)	39	X	0 - 5
p-Terphenyl	147		31 - 150

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

Client Sample ID: MW-2

Lab Sample ID: 720-19402-2

Date Sampled: 04/22/2009 1135

Client Matrix: Water

Date Received: 04/23/2009 1020

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method: 8015B

Analysis Batch: 720-49462

Instrument ID: HP GC 7890

Preparation: 3510C SGC

Prep Batch: 720-49324

Lab File ID: N/A

Dilution: 1.0

Initial Weight/Volume: 500 mL

Date Analyzed: 04/29/2009 2034

Final Weight/Volume: 2 mL

Date Prepared: 04/28/2009 1225

Injection Volume:

Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	140		50
Surrogate	%Rec		Acceptance Limits
Capric Acid (Surr)	3		0 - 5
p-Terphenyl	89		31 - 150

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

Client Sample ID: MW-4

Lab Sample ID: 720-19402-3

Date Sampled: 04/22/2009 1520

Client Matrix: Water

Date Received: 04/23/2009 1020

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-49462	Instrument ID: HP GC 7890
Preparation:	3510C SGC	Prep Batch: 720-49324	Lab File ID: N/A
Dilution:	2.0		Initial Weight/Volume: 500 mL
Date Analyzed:	04/30/2009 1625		Final Weight/Volume: 2 mL
Date Prepared:	04/28/2009 1225		Injection Volume:
			Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	13000		100

Surrogate	%Rec		Acceptance Limits
Capric Acid (Surr)	64	X	0 - 5
p-Terphenyl	303	X	31 - 150

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

Client Sample ID: MW-7

Lab Sample ID: 720-19402-4

Date Sampled: 04/22/2009 1441

Client Matrix: Water

Date Received: 04/23/2009 1020

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-49462	Instrument ID:	HP GC 7890
Preparation:	3510C SGC	Prep Batch: 720-49324	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	500 mL
Date Analyzed:	04/30/2009 1646		Final Weight/Volume:	2 mL
Date Prepared:	04/28/2009 1225		Injection Volume:	
			Column ID:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	1900		50

Surrogate	%Rec		Acceptance Limits
Capric Acid (Surr)	8	X	0 - 5
p-Terphenyl	140		31 - 150

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

Client Sample ID: MW-8

Lab Sample ID: 720-19402-5

Date Sampled: 04/22/2009 1220

Client Matrix: Water

Date Received: 04/23/2009 1020

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-49462	Instrument ID: HP GC 7890
Preparation:	3510C SGC	Prep Batch: 720-49324	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 500 mL
Date Analyzed:	04/30/2009 1707		Final Weight/Volume: 2 mL
Date Prepared:	04/28/2009 1225		Injection Volume:
			Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	ND		50

Surrogate	%Rec	Acceptance Limits
Capric Acid (Surr)	0	0 - 5
p-Terphenyl	81	31 - 150

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

Client Sample ID: OW-1

Lab Sample ID: 720-19402-6

Date Sampled: 04/22/2009 1250

Client Matrix: Water

Date Received: 04/23/2009 1020

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-49462	Instrument ID:	HP GC 7890
Preparation:	3510C SGC	Prep Batch: 720-49324	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	500 mL
Date Analyzed:	04/30/2009 1727		Final Weight/Volume:	2 mL
Date Prepared:	04/28/2009 1225		Injection Volume:	
			Column ID:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	1600		50
Surrogate	%Rec		Acceptance Limits
Capric Acid (Surr)	13	X	0 - 5
p-Terphenyl	127		31 - 150

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

Client Sample ID: OW-2

Lab Sample ID: 720-19402-7

Date Sampled: 04/22/2009 1320

Client Matrix: Water

Date Received: 04/23/2009 1020

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-49462	Instrument ID:	HP GC 7890
Preparation:	3510C SGC	Prep Batch: 720-49324	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	500 mL
Date Analyzed:	04/30/2009 1748		Final Weight/Volume:	2 mL
Date Prepared:	04/28/2009 1225		Injection Volume:	
			Column ID:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	2100		50
Surrogate	%Rec		Acceptance Limits
Capric Acid (Surr)	9	X	0 - 5
p-Terphenyl	190	X	31 - 150

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

Client Sample ID: EB

Lab Sample ID: 720-19402-9
Client Matrix: Water

Date Sampled: 04/22/2009 1330
Date Received: 04/23/2009 1020

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-49462	Instrument ID: HP GC 7890
Preparation:	3510C SGC	Prep Batch: 720-49324	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 500 mL
Date Analyzed:	04/30/2009 1809		Final Weight/Volume: 2 mL
Date Prepared:	04/28/2009 1225		Injection Volume:
			Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	ND		50

Surrogate	%Rec	Acceptance Limits
Capric Acid (Surr)	0	0 - 5
p-Terphenyl	80	31 - 150

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

Client Sample ID: DUP

Lab Sample ID: 720-19402-10

Date Sampled: 04/22/2009 1615

Client Matrix: Water

Date Received: 04/23/2009 1020

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method: 8015B

Analysis Batch: 720-49462

Instrument ID: HP GC 7890

Preparation: 3510C SGC

Prep Batch: 720-49324

Lab File ID: N/A

Dilution: 1.0

Initial Weight/Volume: 500 mL

Date Analyzed: 04/30/2009 1830

Final Weight/Volume: 2 mL

Date Prepared: 04/28/2009 1225

Injection Volume:

Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	12000		50
Surrogate	%Rec		Acceptance Limits
Capric Acid (Surr)	33	X	0 - 5
p-Terphenyl	339	X	31 - 150

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

Client Sample ID: DW

Lab Sample ID: 720-19402-11

Date Sampled: 04/22/2009 1630

Client Matrix: Water

Date Received: 04/23/2009 1020

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-49462	Instrument ID: HP GC 7890
Preparation:	3510C SGC	Prep Batch: 720-49324	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 500 mL
Date Analyzed:	04/30/2009 1851		Final Weight/Volume: 2 mL
Date Prepared:	04/28/2009 1225		Injection Volume:
			Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	640		50

Surrogate	%Rec	Acceptance Limits
Capric Acid (Surr)	2	0 - 5
p-Terphenyl	94	31 - 150

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

General Chemistry

Client Sample ID: MW-1

Lab Sample ID: 720-19402-1
Client Matrix: Water

Date Sampled: 04/22/2009 1600
Date Received: 04/23/2009 1020

Analyte	Result	Qual	Units	RL	Dil	Method
Nitrate as NO3	4.1		mg/L	1.0	1.0	300.0
	Anly Batch: 720-49796	Date Analyzed	04/23/2009	1703		
Sulfate	180		mg/L	10	10	300.0
	Anly Batch: 720-49796	Date Analyzed	04/23/2009	1720		

Client Sample ID: MW-2

Lab Sample ID: 720-19402-2
Client Matrix: Water

Date Sampled: 04/22/2009 1135
Date Received: 04/23/2009 1020

Analyte	Result	Qual	Units	RL	Dil	Method
Nitrate as NO3	ND		mg/L	1.0	1.0	300.0
	Anly Batch: 720-49796	Date Analyzed	04/23/2009	1738		
Sulfate	40		mg/L	10	10	300.0
	Anly Batch: 720-49796	Date Analyzed	04/23/2009	1905		

Client Sample ID: MW-4

Lab Sample ID: 720-19402-3
Client Matrix: Water

Date Sampled: 04/22/2009 1520
Date Received: 04/23/2009 1020

Analyte	Result	Qual	Units	RL	Dil	Method
Nitrate as NO3	2.0		mg/L	1.0	1.0	300.0
	Anly Batch: 720-49796	Date Analyzed	04/23/2009	1956		
Sulfate	360		mg/L	50	50	300.0
	Anly Batch: 720-49805	Date Analyzed	05/07/2009	1840		

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

General Chemistry

Client Sample ID: MW-7

Lab Sample ID: 720-19402-4
Client Matrix: Water

Date Sampled: 04/22/2009 1441
Date Received: 04/23/2009 1020

Analyte	Result	Qual	Units	RL	Dil	Method
Nitrate as NO3	15		mg/L	1.0	1.0	300.0
	Anly Batch: 720-49796	Date Analyzed	04/23/2009	2031		
Sulfate	190		mg/L	20	20	300.0
	Anly Batch: 720-49625	Date Analyzed	05/01/2009	0509		

Client Sample ID: MW-8

Lab Sample ID: 720-19402-5
Client Matrix: Water

Date Sampled: 04/22/2009 1220
Date Received: 04/23/2009 1020

Analyte	Result	Qual	Units	RL	Dil	Method
Nitrate as NO3	14		mg/L	1.0	1.0	300.0
	Anly Batch: 720-49796	Date Analyzed	04/23/2009	2105		
Sulfate	260		mg/L	20	20	300.0
	Anly Batch: 720-49625	Date Analyzed	05/01/2009	0527		

Client Sample ID: OW-1

Lab Sample ID: 720-19402-6
Client Matrix: Water

Date Sampled: 04/22/2009 1250
Date Received: 04/23/2009 1020

Analyte	Result	Qual	Units	RL	Dil	Method
Sulfate	1.1		mg/L	1.0	1.0	300.0
	Anly Batch: 720-49796	Date Analyzed	04/23/2009	2139		
Nitrate as NO3	ND		mg/L	1.0	1.0	300.0
	Anly Batch: 720-49796	Date Analyzed	04/23/2009	2139		

Client Sample ID: OW-2

Lab Sample ID: 720-19402-7
Client Matrix: Water

Date Sampled: 04/22/2009 1320
Date Received: 04/23/2009 1020

Analyte	Result	Qual	Units	RL	Dil	Method
Nitrate as NO3	2.5		mg/L	1.0	1.0	300.0
	Anly Batch: 720-49796	Date Analyzed	04/23/2009	2214		
Sulfate	29		mg/L	10	10	300.0
	Anly Batch: 720-49796	Date Analyzed	04/23/2009	2231		

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

General Chemistry

Client Sample ID: DUP

Lab Sample ID: 720-19402-10

Date Sampled: 04/22/2009 1615

Client Matrix: Water

Date Received: 04/23/2009 1020

Analyte	Result	Qual	Units	RL	Dil	Method
Nitrate as NO3	3.9		mg/L	1.0	1.0	300.0
	Anly Batch: 720-49796	Date Analyzed	04/23/2009	2322		
Sulfate	180		mg/L	10	10	300.0
	Anly Batch: 720-49796	Date Analyzed	04/23/2009	2340		

DATA REPORTING QUALIFIERS

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

Lab Section	Qualifier	Description
GC Semi VOA	X	Surrogate exceeds the control limits

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-49357					
LCS 720-49357/2	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCSD 720-49357/1	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
MB 720-49357/3	Method Blank	T	Water	8260B/CA_LUFT	
720-19402-8	TB	T	Water	8260B/CA_LUFT	
720-19402-9	EB	T	Water	8260B/CA_LUFT	
720-19451-A-2 MS	Matrix Spike	T	Water	8260B/CA_LUFT	
720-19451-A-2 MSD	Matrix Spike Duplicate	T	Water	8260B/CA_LUFT	
Analysis Batch:720-49561					
LCS 720-49561/6	Lab Control Sample	T	Water	8260B	
MB 720-49561/9	Method Blank	T	Water	8260B	
720-19402-1	MW-1	T	Water	8260B	
720-19402-3	MW-4	T	Water	8260B	
720-19402-5	MW-8	T	Water	8260B	
720-19402-6	OW-1	T	Water	8260B	
720-19402-7	OW-2	T	Water	8260B	
720-19402-9	EB	T	Water	8260B	
720-19402-10	DUP	T	Water	8260B	
Analysis Batch:720-49968					
LCS 720-49968/3	Lab Control Sample	T	Water	8260B	
MB 720-49968/6	Method Blank	T	Water	8260B	
720-19402-2	MW-2	T	Water	8260B	
720-19402-D-4 MS	Matrix Spike	T	Water	8260B	
720-19402-D-4 MSD	Matrix Spike Duplicate	T	Water	8260B	
720-19402-11	DW	T	Water	8260B	
Analysis Batch:720-50019					
LCS 720-50019/4	Lab Control Sample	T	Water	8260B	
MB 720-50019/5	Method Blank	T	Water	8260B	
720-19402-4	MW-7	T	Water	8260B	
720-19488-A-4 MS	Matrix Spike	T	Water	8260B	
720-19488-A-4 MSD	Matrix Spike Duplicate	T	Water	8260B	
Analysis Batch:720-50181					
LCS 720-50181/7	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCSD 720-50181/8	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
MB 720-50181/6	Method Blank	T	Water	8260B/CA_LUFT	
720-19402-2	MW-2	T	Water	8260B/CA_LUFT	
720-19402-11	DW	T	Water	8260B/CA_LUFT	

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-50195					
LCS 720-50195/7	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCSD 720-50195/8	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
MB 720-50195/2	Method Blank	T	Water	8260B/CA_LUFT	
720-19402-4	MW-7	T	Water	8260B/CA_LUFT	
Analysis Batch:720-50246					
LCS 720-50246/1	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCSD 720-50246/2	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
MB 720-50246/13	Method Blank	T	Water	8260B/CA_LUFT	
720-19402-1	MW-1	T	Water	8260B/CA_LUFT	
720-19402-3	MW-4	T	Water	8260B/CA_LUFT	
720-19402-5	MW-8	T	Water	8260B/CA_LUFT	
720-19402-6	OW-1	T	Water	8260B/CA_LUFT	
720-19402-7	OW-2	T	Water	8260B/CA_LUFT	
720-19402-10	DUP	T	Water	8260B/CA_LUFT	
Analysis Batch:720-50341					
LCS 720-50341/7	Lab Control Sample	T	Water	8260B/CA_LUFT	
MB 720-50341/6	Method Blank	T	Water	8260B/CA_LUFT	
720-19402-2	MW-2	T	Water	8260B/CA_LUFT	
720-19402-D-4 MS	Matrix Spike	T	Water	8260B/CA_LUFT	
720-19402-D-4 MSD	Matrix Spike Duplicate	T	Water	8260B/CA_LUFT	
720-19402-11	DW	T	Water	8260B/CA_LUFT	
Analysis Batch:720-50348					
LCS 720-50348/4	Lab Control Sample	T	Water	8260B/CA_LUFT	
MB 720-50348/3	Method Blank	T	Water	8260B/CA_LUFT	
720-19402-4	MW-7	T	Water	8260B/CA_LUFT	
Analysis Batch:720-50373					
LCS 720-50373/1	Lab Control Sample	T	Water	8260B/CA_LUFT	
MB 720-50373/2	Method Blank	T	Water	8260B/CA_LUFT	
720-19402-1	MW-1	T	Water	8260B/CA_LUFT	
720-19402-3	MW-4	T	Water	8260B/CA_LUFT	
720-19402-5	MW-8	T	Water	8260B/CA_LUFT	
720-19402-6	OW-1	T	Water	8260B/CA_LUFT	
720-19402-7	OW-2	T	Water	8260B/CA_LUFT	
720-19402-9	EB	T	Water	8260B/CA_LUFT	
720-19402-10	DUP	T	Water	8260B/CA_LUFT	
720-19428-F-1 MS	Matrix Spike	T	Water	8260B/CA_LUFT	
720-19428-F-1 MSD	Matrix Spike Duplicate	T	Water	8260B/CA_LUFT	

Report Basis

T = Total

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 720-49324					
LCS 720-49324/2-A	Lab Control Sample	A	Water	3510C SGC	
LCSD 720-49324/3-A	Lab Control Sample Duplicate	A	Water	3510C SGC	
MB 720-49324/1-A	Method Blank	A	Water	3510C SGC	
720-19402-1	MW-1	A	Water	3510C SGC	
720-19402-2	MW-2	A	Water	3510C SGC	
720-19402-3	MW-4	A	Water	3510C SGC	
720-19402-4	MW-7	A	Water	3510C SGC	
720-19402-5	MW-8	A	Water	3510C SGC	
720-19402-6	OW-1	A	Water	3510C SGC	
720-19402-7	OW-2	A	Water	3510C SGC	
720-19402-9	EB	A	Water	3510C SGC	
720-19402-10	DUP	A	Water	3510C SGC	
720-19402-11	DW	A	Water	3510C SGC	
Analysis Batch:720-49462					
LCS 720-49324/2-A	Lab Control Sample	A	Water	8015B	720-49324
LCSD 720-49324/3-A	Lab Control Sample Duplicate	A	Water	8015B	720-49324
MB 720-49324/1-A	Method Blank	A	Water	8015B	720-49324
720-19402-1	MW-1	A	Water	8015B	720-49324
720-19402-2	MW-2	A	Water	8015B	720-49324
720-19402-3	MW-4	A	Water	8015B	720-49324
720-19402-4	MW-7	A	Water	8015B	720-49324
720-19402-5	MW-8	A	Water	8015B	720-49324
720-19402-6	OW-1	A	Water	8015B	720-49324
720-19402-7	OW-2	A	Water	8015B	720-49324
720-19402-9	EB	A	Water	8015B	720-49324
720-19402-10	DUP	A	Water	8015B	720-49324
720-19402-11	DW	A	Water	8015B	720-49324

Report Basis

A = Silica Gel Cleanup

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:720-49625					
LCS 720-49625/17	Lab Control Sample	T	Water	300.0	
MB 720-49625/18	Method Blank	T	Water	300.0	
720-19315-B-1 MS	Matrix Spike	T	Water	300.0	
720-19315-B-1 MSD	Matrix Spike Duplicate	T	Water	300.0	
720-19402-4	MW-7	T	Water	300.0	
720-19402-5	MW-8	T	Water	300.0	
Analysis Batch:720-49796					
LCS 720-49796/15	Lab Control Sample	T	Water	300.0	
MB 720-49796/16	Method Blank	T	Water	300.0	
720-19322-A-2 MS	Matrix Spike	T	Water	300.0	
720-19322-A-2 MSD	Matrix Spike Duplicate	T	Water	300.0	
720-19402-1	MW-1	T	Water	300.0	
720-19402-2	MW-2	T	Water	300.0	
720-19402-3	MW-4	T	Water	300.0	
720-19402-4	MW-7	T	Water	300.0	
720-19402-5	MW-8	T	Water	300.0	
720-19402-6	OW-1	T	Water	300.0	
720-19402-7	OW-2	T	Water	300.0	
720-19402-10	DUP	T	Water	300.0	
Analysis Batch:720-49805					
LCS 720-49805/6	Lab Control Sample	T	Water	300.0	
MB 720-49805/7	Method Blank	T	Water	300.0	
720-19402-3	MW-4	T	Water	300.0	

Report Basis

T = Total

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

Method Blank - Batch: 720-49561

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-49561/9
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/02/2009 1424
Date Prepared: 05/02/2009 1424

Analysis Batch: 720-49561
Prep Batch: N/A
Units: ug/L

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 05020911.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Chlorobenzene	ND		0.50
1,1-Dichloroethene	ND		0.50
Naphthalene	ND		1.0
Toluene	ND		0.50
Trichloroethene	ND		0.50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	92	74 - 131
1,2-Dichloroethane-d4 (Surr)	111	72 - 125
Toluene-d8 (Surr)	101	82 - 120

Lab Control Sample - Batch: 720-49561

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 720-49561/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/02/2009 1248
Date Prepared: 05/02/2009 1248

Analysis Batch: 720-49561
Prep Batch: N/A
Units: ug/L

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 05020908.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	10.0	10.3	103	70 - 130	
Chlorobenzene	10.0	10.4	104	70 - 130	
1,1-Dichloroethene	10.0	9.77	98	70 - 130	
Toluene	10.0	10.4	104	70 - 130	
Trichloroethene	10.0	11.2	112	70 - 130	

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	101	74 - 131
1,2-Dichloroethane-d4 (Surr)	108	72 - 125
Toluene-d8 (Surr)	104	82 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

Method Blank - Batch: 720-49968

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-49968/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/04/2009 1029
Date Prepared: 05/04/2009 1029

Analysis Batch: 720-49968
Prep Batch: N/A
Units: ug/L

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 05040907.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Chlorobenzene	ND		0.50
1,1-Dichloroethene	ND		0.50
Naphthalene	ND		1.0
Toluene	ND		0.50
Trichloroethene	ND		0.50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	94	74 - 131
1,2-Dichloroethane-d4 (Surr)	102	72 - 125
Toluene-d8 (Surr)	101	82 - 120

Lab Control Sample - Batch: 720-49968

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 720-49968/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/04/2009 0854
Date Prepared: 05/04/2009 0854

Analysis Batch: 720-49968
Prep Batch: N/A
Units: ug/L

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 05040904.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	10.0	10.2	102	70 - 130	
Chlorobenzene	10.0	10.0	100	70 - 130	
1,1-Dichloroethene	10.0	9.05	90	70 - 130	
Toluene	10.0	10.3	103	70 - 130	
Trichloroethene	10.0	10.6	106	70 - 130	

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	97	74 - 131
1,2-Dichloroethane-d4 (Surr)	97	72 - 125
Toluene-d8 (Surr)	101	82 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-49968**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 720-19402-D-4 MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/04/2009 1133
Date Prepared: 05/04/2009 1133

Analysis Batch: 720-49968
Prep Batch: N/A

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 05040909.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-19402-D-4 MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/04/2009 1205
Date Prepared: 05/04/2009 1205

Analysis Batch: 720-49968
Prep Batch: N/A

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 05040910.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	104	103	70 - 130	1	20		
Chlorobenzene	104	103	70 - 130	1	20		
1,1-Dichloroethene	93	90	70 - 130	3	20		
Toluene	103	104	70 - 130	1	20		
Trichloroethene	110	110	70 - 130	1	20		
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	105		105		67 - 133		
1,2-Dichloroethane-d4 (Surr)	110		108		72 - 125		
Toluene-d8 (Surr)	110		108		82 - 120		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

Method Blank - Batch: 720-50019

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-50019/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/05/2009 2206
Date Prepared: 05/05/2009 2206

Analysis Batch: 720-50019
Prep Batch: N/A
Units: ug/L

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 05050928.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Chlorobenzene	ND		0.50
1,1-Dichloroethene	ND		0.50
Naphthalene	ND		1.0
Toluene	ND		0.50
Trichloroethene	ND		0.50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	94	74 - 131
1,2-Dichloroethane-d4 (Surr)	114	72 - 125
Toluene-d8 (Surr)	101	82 - 120

Lab Control Sample - Batch: 720-50019

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 720-50019/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/05/2009 2031
Date Prepared: 05/05/2009 2031

Analysis Batch: 720-50019
Prep Batch: N/A
Units: ug/L

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 05050925.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	10.0	9.91	99	70 - 130	
Chlorobenzene	10.0	9.90	99	70 - 130	
1,1-Dichloroethene	10.0	9.21	92	70 - 130	
Toluene	10.0	9.97	100	70 - 130	
Trichloroethene	10.0	10.8	108	70 - 130	

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	104	74 - 131
1,2-Dichloroethane-d4 (Surr)	114	72 - 125
Toluene-d8 (Surr)	103	82 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-50019**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 720-19488-A-4 MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/06/2009 0013
Date Prepared: 05/06/2009 0013

Analysis Batch: 720-50019
Prep Batch: N/A

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 05050932.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-19488-A-4 MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/06/2009 0045
Date Prepared: 05/06/2009 0045

Analysis Batch: 720-50019
Prep Batch: N/A

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 05050933.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	101	100	70 - 130	1	20		
Chlorobenzene	103	101	70 - 130	3	20		
1,1-Dichloroethene	100	98	70 - 130	2	20		
Toluene	101	99	70 - 130	2	20		
Trichloroethene	110	108	70 - 130	2	20		
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	103		103		74 - 131		
1,2-Dichloroethane-d4 (Surr)	108		114		72 - 125		
Toluene-d8 (Surr)	103		102		82 - 120		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

Method Blank - Batch: 720-49357

Method: 8260B/CA_LUFTMS
Preparation: 5030B

Lab Sample ID: MB 720-49357/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/28/2009 1408
Date Prepared: 04/28/2009 1408

Analysis Batch: 720-49357
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900C
Lab File ID: e:\data\200904\042809\mb
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Gasoline Range Organics (GRO)-C5-C12	ND		50
Toluene	1.1		0.50
Xylenes, Total	ND		1.0
MTBE	ND		0.50
Ethylene Dibromide	ND		0.50
1,2-Dichloroethane	ND		0.50
Ethylbenzene	ND		0.50
Surrogate	% Rec	Acceptance Limits	
Toluene-d8 (Surr)	102	78 - 112	
1,2-Dichloroethane-d4 (Surr)	104	67 - 126	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-49357**

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-49357/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/28/2009 1449
Date Prepared: 04/28/2009 1449

Analysis Batch: 720-49357
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900C
Lab File ID: e:\data\200904\042809\ls-v
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

LCSD Lab Sample ID: LCSD 720-49357/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/28/2009 1516
Date Prepared: 04/28/2009 1516

Analysis Batch: 720-49357
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900C
Lab File ID: e:\data\200904\042809\ld-w:
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Gasoline Range Organics (GRO)-C5-C12	56	60	42 - 80	7	20		
Surrogate	LCS % Rec		LCSD % Rec	Acceptance Limits			
Toluene-d8 (Surr)	99		101			78 - 112	
1,2-Dichloroethane-d4 (Surr)	102		118			67 - 126	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-49357**

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

MS Lab Sample ID: 720-19451-A-2 MS Analysis Batch: 720-49357
 Client Matrix: Water Prep Batch: N/A
 Dilution: 100
 Date Analyzed: 04/28/2009 1930
 Date Prepared: 04/28/2009 1930

Instrument ID: Varian 3900C
 Lab File ID: e:\data\200904\042809\sa-
 Initial Weight/Volume: 40 mL
 Final Weight/Volume: 40 mL

MSD Lab Sample ID: 720-19451-A-2 MSD Analysis Batch: 720-49357
 Client Matrix: Water Prep Batch: N/A
 Dilution: 100
 Date Analyzed: 04/28/2009 1957
 Date Prepared: 04/28/2009 1957

Instrument ID: Varian 3900C
 Lab File ID: e:\data\200904\042809\sa-
 Initial Weight/Volume: 40 mL
 Final Weight/Volume: 40 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Gasoline Range Organics (GRO)-C5-C12	62	54	43 - 95	15	20		
Surrogate		MS % Rec	MSD % Rec			Acceptance Limits	
Toluene-d8 (Surr)		97	98			78 - 112	
1,2-Dichloroethane-d4 (Surr)		106	96			67 - 126	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

Method Blank - Batch: 720-50181

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

Lab Sample ID: MB 720-50181/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/04/2009 1029
Date Prepared: 05/04/2009 1029

Analysis Batch: 720-50181
Prep Batch: N/A
Units: ug/L

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 05040907.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Gasoline Range Organics (GRO)-C5-C12	ND		50

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-50181**

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-50181/7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/04/2009 0926
Date Prepared: 05/04/2009 0926

Analysis Batch: 720-50181
Prep Batch: N/A
Units: ug/L

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 05040905.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-50181/8
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/04/2009 0958
Date Prepared: 05/04/2009 0958

Analysis Batch: 720-50181
Prep Batch: N/A
Units: ug/L

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 05040906.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Gasoline Range Organics (GRO)-C5-C12	102	102	42 - 120	0	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

Method Blank - Batch: 720-50195

Lab Sample ID: MB 720-50195/2
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 05/05/2009 2206
 Date Prepared: 05/05/2009 2206

Analysis Batch: 720-50195
 Prep Batch: N/A
 Units: ug/L

**Method: 8260B/CA_LUFTMS
 Preparation: 5030B**

Instrument ID: Chemstation 3.0 on 95PC
 Lab File ID: 05050928.D
 Initial Weight/Volume: 10 mL
 Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Gasoline Range Organics (GRO)-C5-C12	ND		50

**Lab Control Sample/
 Lab Control Sample Duplicate Recovery Report - Batch: 720-50195**

LCS Lab Sample ID: LCS 720-50195/7
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 05/05/2009 2102
 Date Prepared: 05/05/2009 2102

Analysis Batch: 720-50195
 Prep Batch: N/A
 Units: ug/L

**Method: 8260B/CA_LUFTMS
 Preparation: 5030B**

Instrument ID: Chemstation 3.0 on 95PC
 Lab File ID: 05050926.D
 Initial Weight/Volume: 10 mL
 Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-50195/8
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 05/05/2009 2134
 Date Prepared: 05/05/2009 2134

Analysis Batch: 720-50195
 Prep Batch: N/A
 Units: ug/L

Instrument ID: Chemstation 3.0 on 95PC
 Lab File ID: 05050927.D
 Initial Weight/Volume: 10 mL
 Final Weight/Volume: 10 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Gasoline Range Organics (GRO)-C5-C12	106	104	42 - 120	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

Method Blank - Batch: 720-50246

Lab Sample ID: MB 720-50246/13
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 05/02/2009 1424
 Date Prepared: 05/02/2009 1424

Analysis Batch: 720-50246
 Prep Batch: N/A
 Units: ug/L

**Method: 8260B/CA_LUFTMS
 Preparation: 5030B**

Instrument ID: Chemstation 3.0 on 95PC
 Lab File ID: 05020911.D
 Initial Weight/Volume: 10 mL
 Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Gasoline Range Organics (GRO)-C5-C12	ND		50

**Lab Control Sample/
 Lab Control Sample Duplicate Recovery Report - Batch: 720-50246**

LCS Lab Sample ID: LCS 720-50246/1
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 05/02/2009 1320
 Date Prepared: 05/02/2009 1320

Analysis Batch: 720-50246
 Prep Batch: N/A
 Units: ug/L

**Method: 8260B/CA_LUFTMS
 Preparation: 5030B**

Instrument ID: Chemstation 3.0 on 95PC
 Lab File ID: 05020909.D
 Initial Weight/Volume: 10 mL
 Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-50246/2
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 05/02/2009 1352
 Date Prepared: 05/02/2009 1352

Analysis Batch: 720-50246
 Prep Batch: N/A
 Units: ug/L

Instrument ID: Chemstation 3.0 on 95PC
 Lab File ID: 05020910.D
 Initial Weight/Volume: 10 mL
 Final Weight/Volume: 10 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Gasoline Range Organics (GRO)-C5-C12	105	106	42 - 120	1	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

Method Blank - Batch: 720-50341

Method: 8260B/CA_LUFTMS
Preparation: 5030B

Lab Sample ID: MB 720-50341/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/04/2009 1029
Date Prepared: 05/04/2009 1029

Analysis Batch: 720-50341
Prep Batch: N/A
Units: ug/L

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 05040907.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
MTBE	ND		0.50
Ethylene Dibromide	ND		0.50
1,2-Dichloroethane	ND		0.50
Ethylbenzene	ND		0.50

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	98	78 - 130
1,2-Dichloroethane-d4 (Surr)	113	67 - 130

Lab Control Sample - Batch: 720-50341

Method: 8260B/CA_LUFTMS
Preparation: 5030B

Lab Sample ID: LCS 720-50341/7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/04/2009 0854
Date Prepared: 05/04/2009 0854

Analysis Batch: 720-50341
Prep Batch: N/A
Units: ug/L

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 05040904.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	10.0	9.41	94	74 - 120	
Toluene	10.0	9.85	99	65 - 120	
MTBE	10.0	10.2	102	69 - 120	

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	99	78 - 130
1,2-Dichloroethane-d4 (Surr)	108	67 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-50341**

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

MS Lab Sample ID: 720-19402-D-4 MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/04/2009 1133
Date Prepared: 05/04/2009 1133

Analysis Batch: 720-50341
Prep Batch: N/A

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 05040909.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-19402-D-4 MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/04/2009 1205
Date Prepared: 05/04/2009 1205

Analysis Batch: 720-50341
Prep Batch: N/A

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 05040910.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	97	95	58 - 134	1	20		
Toluene	98	98	72 - 130	0	20		
MTBE	143	141	22 - 185	1	20		
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
Toluene-d8 (Surr)	107		105		78 - 130		
1,2-Dichloroethane-d4 (Surr)	122		120		67 - 130		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

Method Blank - Batch: 720-50348

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

Lab Sample ID: MB 720-50348/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/05/2009 2206
Date Prepared: 05/05/2009 2206

Analysis Batch: 720-50348
Prep Batch: N/A
Units: ug/L

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 05050928.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
MTBE	ND		0.50
Ethylene Dibromide	ND		0.50
1,2-Dichloroethane	ND		0.50
Ethylbenzene	ND		0.50

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	99	78 - 130
1,2-Dichloroethane-d4 (Surr)	127	67 - 130

Lab Control Sample - Batch: 720-50348

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

Lab Sample ID: LCS 720-50348/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/05/2009 2031
Date Prepared: 05/05/2009 2031

Analysis Batch: 720-50348
Prep Batch: N/A
Units: ug/L

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 05050925.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	10.0	9.16	92	74 - 120	
Toluene	10.0	9.40	94	65 - 120	
MTBE	10.0	10.7	107	69 - 120	

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	100	78 - 130
1,2-Dichloroethane-d4 (Surr)	127	67 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

Method Blank - Batch: 720-50373

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

Lab Sample ID: MB 720-50373/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/02/2009 1424
Date Prepared: 05/02/2009 1424

Analysis Batch: 720-50373
Prep Batch: N/A
Units: ug/L

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 05020911.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
MTBE	ND		0.50
Ethylene Dibromide	ND		0.50
1,2-Dichloroethane	ND		0.50
Ethylbenzene	ND		0.50

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	98	78 - 130
1,2-Dichloroethane-d4 (Surr)	124	67 - 130

Lab Control Sample - Batch: 720-50373

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

Lab Sample ID: LCS 720-50373/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/02/2009 1248
Date Prepared: 05/02/2009 1248

Analysis Batch: 720-50373
Prep Batch: N/A
Units: ug/L

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 05020908.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	10.0	9.50	95	74 - 120	
Toluene	10.0	9.98	100	65 - 120	
MTBE	10.0	11.0	110	69 - 120	

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	101	78 - 130
1,2-Dichloroethane-d4 (Surr)	120	67 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-50373**

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

MS Lab Sample ID: 720-19428-F-1 MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/02/2009 1527
Date Prepared: 05/02/2009 1527

Analysis Batch: 720-50373
Prep Batch: N/A

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 05020913.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-19428-F-1 MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/02/2009 1559
Date Prepared: 05/02/2009 1559

Analysis Batch: 720-50373
Prep Batch: N/A

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 05020914.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	94	93	58 - 134	0	20		
Toluene	97	96	72 - 130	1	20		
MTBE	110	105	22 - 185	4	20		
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
Toluene-d8 (Surr)	100		101		78 - 130		
1,2-Dichloroethane-d4 (Surr)	121		115		67 - 130		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

Method Blank - Batch: 720-49324

Lab Sample ID: MB 720-49324/1-A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 04/29/2009 1850
 Date Prepared: 04/28/2009 1225

Analysis Batch: 720-49462
 Prep Batch: 720-49324
 Units: ug/L

**Method: 8015B
 Preparation: 3510C SGC
 Silica Gel Cleanup**

Instrument ID: HP GC 7890
 Lab File ID: N/A
 Initial Weight/Volume: 500 mL
 Final Weight/Volume: 2 mL
 Injection Volume:
 Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		50
Surrogate	% Rec		Acceptance Limits
Capric Acid (Surr)	1		0 - 5
p-Terphenyl	88		31 - 150

**Lab Control Sample/
 Lab Control Sample Duplicate Recovery Report - Batch: 720-49324**

LCS Lab Sample ID: LCS 720-49324/2-A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 04/29/2009 1911
 Date Prepared: 04/28/2009 1225

Analysis Batch: 720-49462
 Prep Batch: 720-49324
 Units: ug/L

**Method: 8015B
 Preparation: 3510C SGC
 Silica Gel Cleanup**

Instrument ID: HP GC 7890
 Lab File ID: N/A
 Initial Weight/Volume: 500 mL
 Final Weight/Volume: 2 mL
 Injection Volume:
 Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-49324/3-A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 04/29/2009 1932
 Date Prepared: 04/28/2009 1225

Analysis Batch: 720-49462
 Prep Batch: 720-49324
 Units: ug/L

Instrument ID: HP GC 7890
 Lab File ID: N/A
 Initial Weight/Volume: 500 mL
 Final Weight/Volume: 2 mL
 Injection Volume:
 Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Diesel Range Organics [C10-C28]	69	87	49 - 120	24	30		
Surrogate		LCS % Rec	LCSD % Rec			Acceptance Limits	
p-Terphenyl		135	127			31 - 150	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

Method Blank - Batch: 720-49625

Method: 300.0
Preparation: N/A

Lab Sample ID: MB 720-49625/18
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/01/2009 0252
Date Prepared: N/A

Analysis Batch: 720-49625
Prep Batch: N/A
Units: mg/L

Instrument ID: DionexIC
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
Sulfate	ND		1.0
Nitrate as NO3	ND		1.0

Lab Control Sample - Batch: 720-49625

Method: 300.0
Preparation: N/A

Lab Sample ID: LCS 720-49625/17
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/01/2009 0309
Date Prepared: N/A

Analysis Batch: 720-49625
Prep Batch: N/A
Units: mg/L

Instrument ID: DionexIC
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Sulfate	10.0	9.42	94	90 - 110	
Nitrate as NO3	10.0	9.56	96	90 - 110	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-49625**

**Method: 300.0
Preparation: N/A**

MS Lab Sample ID: 720-19315-B-1 MS
Client Matrix: Water
Dilution: 2.0
Date Analyzed: 05/01/2009 0343
Date Prepared: N/A

Analysis Batch: 720-49625
Prep Batch: N/A

Instrument ID: DionexIC
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 5 mL

MSD Lab Sample ID: 720-19315-B-1 MSD
Client Matrix: Water
Dilution: 2.0
Date Analyzed: 05/01/2009 0401
Date Prepared: N/A

Analysis Batch: 720-49625
Prep Batch: N/A

Instrument ID: DionexIC
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Nitrate as NO3	101	102	80 - 120	1	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

Method Blank - Batch: 720-49796

Method: 300.0
Preparation: N/A

Lab Sample ID: MB 720-49796/16
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/23/2009 1507
Date Prepared: N/A

Analysis Batch: 720-49796
Prep Batch: N/A
Units: mg/L

Instrument ID: DionexIC
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
Sulfate	ND		1.0
Nitrate as NO3	ND		1.0

Lab Control Sample - Batch: 720-49796

Method: 300.0
Preparation: N/A

Lab Sample ID: LCS 720-49796/15
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/23/2009 1524
Date Prepared: N/A

Analysis Batch: 720-49796
Prep Batch: N/A
Units: mg/L

Instrument ID: DionexIC
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Sulfate	10.0	9.95	100	90 - 110	
Nitrate as NO3	10.0	10.3	103	90 - 110	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-49796**

**Method: 300.0
Preparation: N/A**

MS Lab Sample ID: 720-19322-A-2 MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/23/2009 1612
Date Prepared: N/A

Analysis Batch: 720-49796
Prep Batch: N/A

Instrument ID: DionexIC
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 5 mL

MSD Lab Sample ID: 720-19322-A-2 MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/23/2009 1629
Date Prepared: N/A

Analysis Batch: 720-49796
Prep Batch: N/A

Instrument ID: DionexIC
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Sulfate	92	92	80 - 120	0	20		
Nitrate as NO3	103	98	80 - 120	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

Method Blank - Batch: 720-49805

Method: 300.0
Preparation: N/A

Lab Sample ID: MB 720-49805/7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/07/2009 1314
Date Prepared: N/A

Analysis Batch: 720-49805
Prep Batch: N/A
Units: mg/L

Instrument ID: DionexIC
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
Sulfate	ND		1.0
Nitrate as NO3	ND		1.0

Lab Control Sample - Batch: 720-49805

Method: 300.0
Preparation: N/A

Lab Sample ID: LCS 720-49805/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/07/2009 1331
Date Prepared: N/A

Analysis Batch: 720-49805
Prep Batch: N/A
Units: mg/L

Instrument ID: DionexIC
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Sulfate	10.0	10.3	103	90 - 110	
Nitrate as NO3	10.0	10.4	104	90 - 110	

Calculations are performed before rounding to avoid round-off errors in calculated results.

BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE
 SAN JOSE, CALIFORNIA 95112-1105
 FAX (408) 573-7771
 PHONE (408) 573-0555

720-19385

19402

CONDUCT ANALYSIS TO DETECT

LAB TA - San Francisco | DHS #
 ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND
 EPA
 LIA
 OTHER
 RWQCB REGION

CHAIN OF CUSTODY
 BTS # 090422-EM1
 CLIENT Stantec
 SITE 725 Julie Ann Way
Oakland CA

C = COMPOSITE ALL CONTAINERS

TPH-D (8015M) w/ silica gel clean up	TPH-G / BTEX / MTBE (8260B)	EDB / EDC (8260B)	Naphlene (8260B)	Nitrate / Sulfate (300.0)
--------------------------------------	-----------------------------	-------------------	------------------	---------------------------

SPECIAL INSTRUCTIONS
 Invoice and Report to : Stantec
 Attn: Khamly Chuop
 Nitrate = 48 hr. HOLD TIME
 (1159103)

SAMPLE I.D.	DATE	TIME	MATRIX S= SOIL W=H ₂ O	TOTAL	CONTAINERS	CONDUCT ANALYSIS TO DETECT					ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
						TPH-D (8015M) w/ silica gel clean up	TPH-G / BTEX / MTBE (8260B)	EDB / EDC (8260B)	Naphlene (8260B)	Nitrate / Sulfate (300.0)				
Muo-1	4/22/09	1600	W	8	MCL	X	X	X	X	X				
Muo-2		1155		8		X	X	X	X	X				
Muo-4		1520		8		X	X	X	X	X				
Muo-7		1441		6		X	X	X	X	X				
Muo-8		1220		8		X	X	X	X	X				
OW-1		1250		8		X	X	X	X	X				
OW-2		1320		8		X	X	X	X	X				
TB		1030		2	UCL		X							
EB		1330		7	MCL	X	X	X	X					
DUP		1615		8	MCL	X	X	X	X	X				

LIMITED SAMPLE VOLUME FOR TPH-D

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED	
	4/22/09	1615	P. McCarty	NO LATER THAN Standard TAT	
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
<i>[Signature]</i>	4/22/09	1825	<i>[Signature]</i> (Sample Custodian)	4/22/09	1825
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
<i>[Signature]</i> (Sample Custodian)	4/23/09	0930	<i>[Signature]</i> TASF	4/23/09	0930
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
<i>[Signature]</i>	4/23/09	1020	<i>[Signature]</i> TASF	4/23/09	1020
SHIPPED VIA	DATE SENT	TIME SENT	COOLER #		

(4.2)

Login Sample Receipt Check List

Client: Stantec Consulting Corp.

Job Number: 720-19402-1

Login Number: 19402

List Source: TestAmerica San Francisco

Creator: Hoang, Julie

List Number: 1

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	False	ncm
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	False	ncm
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

ANALYTICAL REPORT

Job Number: 720-19404-1

Job Description: 725 Julie Ann Way

For:

Stantec Consulting Corp.

57 Lafayette Circle

2nd Floor

Lafayette, CA 94549-4321

Attention: Khamly Chuop



Approved for release.
Afsaneh Salimpour
Project Manager I
6/2/2009 9:47 AM

Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com
06/02/2009
Revision: 1

Job Narrative
720-J19404-1

Comments

No additional comments.

Receipt

Did receive sample SB-7-1 that was crossed off on COC. Logged on hold.

The container label for the following samples did not match the information listed on the Chain-of-Custody (COC): The container labels list SB-7-15.5 and SB-6-8. The COC lists SB-7-16 and SB-6-6.5. Time on samples matches COC. Labeled according to COC.

All other samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B/CA_LUFTMS: The matrix spike / matrix spike duplicate (MS/MSD) precision for batch 49668,49535,and49904 was outside control limits. The associated laboratory control sample (LCS) met acceptance criteria.

Method(s) 8260B/CA_LUFTMS: The following sample(s) was diluted due to the abundance of non-target analytes: SB-3-8' (720-19404-16), SB-6-W (720-19404-37), SB-7-W (720-19404-34), SB-5-W (720-19404-14), SB-2-W (720-19404-23), SB-3-W (720-19404-19), SB-4-W (720-19404-9). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The following sample(s) was diluted due to heavy hydrocarbons.: SB-3-W (720-19404-19). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

GC VOA

No analytical or quality issues were noted.

GC Semi VOA

Method(s) 8015B: Capric Acid Surrogate recovery for the following sample(s) was outside control limits: SB-1-8' (720-19404-2), SB-2-12' (720-19404-22), SB-2-8' (720-19404-21), SB-3-12' (720-19404-18), SB-3-9' (720-19404-17), SB-4-12' (720-19404-8), SB-5-12' (720-19404-13), SB-5-6.5' (720-19404-11), SB-8-5' (720-19404-24). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8015B: The matrix spike (MS) recovery for batch 49618 is outside control limits. The associated laboratory control sample (LCS) met acceptance criteria.

Method(s) 8015B: Capric acid surrogate recovery for the following sample(s) was outside control limits: SB-7-12' (720-19404-31), SB-7-16' (720-19404-32), SB-8-12' (720-19404-26), SB-8-7.5' (720-19404-25). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8015B: Due to the high concentration of C10-C28, the matrix spike / matrix spike duplicate (MS/MSD) for batch 49387 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

No other analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method	
720-19404-1	SB-1-4'					
Naphthalene		85	48	ug/Kg	8260B	
Gasoline Range Organics (GRO)-C5-C12		210	49	mg/Kg	8260B/CA_LUFTMS	
<i>Silica Gel Cleanup</i>						
Diesel Range Organics [C10-C28]		170	5.0	mg/Kg	8015B	
720-19404-2	SB-1-8'					
Gasoline Range Organics (GRO)-C5-C12		64	49	mg/Kg	8260B/CA_LUFTMS	
<i>Silica Gel Cleanup</i>						
Diesel Range Organics [C10-C28]		460	0.99	mg/Kg	8015B	
720-19404-3	SB-1-8.5'					
Gasoline Range Organics (GRO)-C5-C12		7.8	0.95	mg/Kg	8260B/CA_LUFTMS	
<i>Silica Gel Cleanup</i>						
Diesel Range Organics [C10-C28]		530	5.0	mg/Kg	8015B	
720-19404-4	SB-1-W					
MTBE		5.9	H	5.0	ug/L	8260B/CA_LUFTMS
Benzene		6.2	H	5.0	ug/L	8260B/CA_LUFTMS
Gasoline Range Organics (GRO)-C5-C12		3400	H	500	ug/L	8260B/CA_LUFTMS
Ethylbenzene		6.0	H	5.0	ug/L	8260B/CA_LUFTMS
<i>Silica Gel Cleanup</i>						
Diesel Range Organics [C10-C28]		43000		500	ug/L	8015B
720-19404-5	SB-4-4.5'					
Gasoline Range Organics (GRO)-C5-C12		3.1		0.95	mg/Kg	8260B/CA_LUFTMS
<i>Silica Gel Cleanup</i>						
Diesel Range Organics [C10-C28]		1600		10	mg/Kg	8015B

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-19404-6	SB-4-6.5'				
Naphthalene		610	50	ug/Kg	8260B
Benzene		4.8	0.98	mg/Kg	8260B/CA_LUFTMS
Gasoline Range Organics (GRO)-C5-C12		190	49	mg/Kg	8260B/CA_LUFTMS
Ethylbenzene		1.0	0.98	mg/Kg	8260B/CA_LUFTMS
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		470	4.9	mg/Kg	8015B
720-19404-7	SB-4-8.5'				
Naphthalene		370	37	ug/Kg	8260B
Benzene		2.8	0.94	mg/Kg	8260B/CA_LUFTMS
Gasoline Range Organics (GRO)-C5-C12		320	47	mg/Kg	8260B/CA_LUFTMS
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		450	4.9	mg/Kg	8015B
720-19404-8	SB-4-12'				
Naphthalene		130	47	ug/Kg	8260B
Benzene		0.025	0.023	mg/Kg	8260B/CA_LUFTMS
Gasoline Range Organics (GRO)-C5-C12		15	1.2	mg/Kg	8260B/CA_LUFTMS
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		280	1.0	mg/Kg	8015B
720-19404-9	SB-4-W				
Naphthalene		950	200	ug/L	8260B
Benzene		12000	100	ug/L	8260B/CA_LUFTMS
Gasoline Range Organics (GRO)-C5-C12		100000	10000	ug/L	8260B/CA_LUFTMS
Ethylbenzene		190	100	ug/L	8260B/CA_LUFTMS
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		800000	5000	ug/L	8015B
720-19404-10	SB-5-5'				
Naphthalene		52	47	ug/Kg	8260B
Gasoline Range Organics (GRO)-C5-C12		95	47	mg/Kg	8260B/CA_LUFTMS
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		1000	9.9	mg/Kg	8015B

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Lab Sample ID	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-19404-11	SB-5-6.5'				
Naphthalene		55	42	ug/Kg	8260B
Gasoline Range Organics (GRO)-C5-C12		170	50	mg/Kg	8260B/CA_LUFTMS
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		490	1.0	mg/Kg	8015B
720-19404-12	SB-5-8.5'				
Naphthalene		55	44	ug/Kg	8260B
Gasoline Range Organics (GRO)-C5-C12		87	48	mg/Kg	8260B/CA_LUFTMS
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		820	10	mg/Kg	8015B
720-19404-13	SB-5-12'				
Gasoline Range Organics (GRO)-C5-C12		9.3	1.0	mg/Kg	8260B/CA_LUFTMS
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		33	0.99	mg/Kg	8015B
720-19404-14	SB-5-W				
Gasoline Range Organics (GRO)-C5-C12		300000	50000	ug/L	8260B/CA_LUFTMS
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		4000000	25000	ug/L	8015B
720-19404-15	SB-3-5'				
Gasoline Range Organics (GRO)-C5-C12		0.26	0.23	mg/Kg	8260B/CA_LUFTMS
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		20	0.99	mg/Kg	8015B
720-19404-16	SB-3-8'				
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		2.5	1.0	mg/Kg	8015B

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Lab Sample ID	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-19404-17	SB-3-9'				
Gasoline Range Organics (GRO)-C5-C12		55	49	mg/Kg	8260B/CA_LUFTMS
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		370	1.0	mg/Kg	8015B
720-19404-18	SB-3-12'				
Naphthalene		59	49	ug/Kg	8260B
Gasoline Range Organics (GRO)-C5-C12		20	1.1	mg/Kg	8260B/CA_LUFTMS
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		270	1.0	mg/Kg	8015B
720-19404-19	SB-3-W				
Gasoline Range Organics (GRO)-C5-C12		17000	2500	ug/L	8260B/CA_LUFTMS
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		190000	5000	ug/L	8015B
720-19404-20	SB-2-5'				
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		9.7	1.0	mg/Kg	8015B
720-19404-21	SB-2-8'				
Gasoline Range Organics (GRO)-C5-C12		97	49	mg/Kg	8260B/CA_LUFTMS
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		370	0.99	mg/Kg	8015B
720-19404-22	SB-2-12'				
Gasoline Range Organics (GRO)-C5-C12		5.0	0.82	mg/Kg	8260B/CA_LUFTMS
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		250	0.99	mg/Kg	8015B
720-19404-23	SB-2-W				
Gasoline Range Organics (GRO)-C5-C12		5600	2500	ug/L	8260B/CA_LUFTMS
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		72000	500	ug/L	8015B

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-19404-24 <i>Silica Gel Cleanup</i> Diesel Range Organics [C10-C28]	SB-8-5'	120	0.99	mg/Kg	8015B
720-19404-25 <i>Silica Gel Cleanup</i> Diesel Range Organics [C10-C28]	SB-8-7.5'	220	0.99	mg/Kg	8015B
720-19404-26 <i>Silica Gel Cleanup</i> Diesel Range Organics [C10-C28]	SB-8-12'	110	1.0	mg/Kg	8015B
720-19404-27 <i>Silica Gel Cleanup</i> Diesel Range Organics [C10-C28]	SB-8-17'	2.3	0.99	mg/Kg	8015B
720-19404-29 <i>Silica Gel Cleanup</i> Diesel Range Organics [C10-C28]	SB-7-5'	130	1.0	mg/Kg	8015B
720-19404-30 <i>Silica Gel Cleanup</i> Diesel Range Organics [C10-C28]	SB-7-8'	670	4.9	mg/Kg	8015B
720-19404-31 <i>Silica Gel Cleanup</i> Diesel Range Organics [C10-C28]	SB-7-12'	54	0.99	mg/Kg	8015B
Gasoline Range Organics (GRO)-C5-C12		4.1	0.24	mg/Kg	8260B/CA_LUFTMS
Gasoline Range Organics (GRO)-C5-C12		1.4	0.24	mg/Kg	8260B/CA_LUFTMS
Gasoline Range Organics (GRO)-C5-C12		1.9	0.23	mg/Kg	8260B/CA_LUFTMS
Gasoline Range Organics (GRO)-C5-C12		4.7	0.53	mg/Kg	8260B/CA_LUFTMS

EXECUTIVE SUMMARY - Detections

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Lab Sample ID	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-19404-32	SB-7-16'				
Gasoline Range Organics (GRO)-C5-C12		66	50	mg/Kg	8260B/CA_LUFTMS
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		170	0.99	mg/Kg	8015B
720-19404-34	SB-7-W				
Benzene		37	10	ug/L	8260B/CA_LUFTMS
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		90000	500	ug/L	8015B
720-19404-35	SB-6-5'				
Naphthalene		63	47	ug/Kg	8260B
Gasoline Range Organics (GRO)-C5-C12		210	50	mg/Kg	8260B/CA_LUFTMS
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		12000	50	mg/Kg	8015B
720-19404-36	SB-6-6.5'				
Naphthalene		69	43	ug/Kg	8260B
Gasoline Range Organics (GRO)-C5-C12		230	48	mg/Kg	8260B/CA_LUFTMS
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		500	5.0	mg/Kg	8015B
720-19404-37	SB-6-W				
Gasoline Range Organics (GRO)-C5-C12		37000	5000	ug/L	8260B/CA_LUFTMS
<i>Silica Gel Cleanup</i>					
Diesel Range Organics [C10-C28]		730000	5000	ug/L	8015B
720-19404-38	SB-8W				
Gasoline Range Organics (GRO)-C5-C12		54	50	ug/L	8260B/CA_LUFTMS
MTBE		0.68	0.50	ug/L	8260B/CA_LUFTMS

METHOD SUMMARY

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds (GC/MS) Purge and Trap	TAL SF TAL SF	SW846 8260B	SW846 5030B
Volatile Organic Compounds by GC/MS Purge and Trap	TAL SF TAL SF	SW846 8260B/CA_LUFTMS	SW846 5030B
Diesel Range Organics (DRO) (GC) Ultrasonic Extraction	TAL SF TAL SF	SW846 8015B	SW846 3550B
Matrix: Water			
Volatile Organic Compounds (GC/MS) Purge and Trap	TAL SF TAL SF	SW846 8260B	SW846 5030B
Volatile Organic Compounds by GC/MS Purge and Trap	TAL SF TAL SF	SW846 8260B/CA_LUFTMS	SW846 5030B
Diesel Range Organics (DRO) (GC) Liquid-Liquid Extraction (Separatory Funnel)	TAL SF TAL SF	SW846 8015B	SW846 3510C SGC

Lab References:

TAL SF = TestAmerica San Francisco

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Method	Analyst	Analyst ID
SW846 8260B	Ali, Badri	BA
SW846 8260B	Le, Lien	LL
SW846 8260B	Yee, Richard G	RGY
SW846 8260B/CA_LUFTMS	Ali, Badri	BA
SW846 8260B/CA_LUFTMS	Zhao, June	JZ
SW846 8015B	Hayashi, Derek	DH
SW846 8015B	Rejja, Marlene	MR
SW846 8015B	Vincent, Richard	RV

SAMPLE SUMMARY

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-19404-1	SB-1-4'	Solid	04/21/2009 0830	04/23/2009 1950
720-19404-2	SB-1-8'	Solid	04/21/2009 0832	04/23/2009 1950
720-19404-3	SB-1-8.5'	Solid	04/21/2009 0840	04/23/2009 1950
720-19404-4	SB-1-W	Water	04/21/2009 0920	04/23/2009 1950
720-19404-5	SB-4-4.5'	Solid	04/21/2009 0955	04/23/2009 1950
720-19404-6	SB-4-6.5'	Solid	04/21/2009 1005	04/23/2009 1950
720-19404-7	SB-4-8.5'	Solid	04/21/2009 1010	04/23/2009 1950
720-19404-8	SB-4-12'	Solid	04/21/2009 1013	04/23/2009 1950
720-19404-9	SB-4-W	Water	04/21/2009 1030	04/23/2009 1950
720-19404-10	SB-5-5'	Solid	04/21/2009 1140	04/23/2009 1950
720-19404-11	SB-5-6.5'	Solid	04/21/2009 1142	04/23/2009 1950
720-19404-12	SB-5-8.5'	Solid	04/21/2009 1145	04/23/2009 1950
720-19404-13	SB-5-12'	Solid	04/21/2009 1150	04/23/2009 1950
720-19404-14	SB-5-W	Water	04/21/2009 1200	04/23/2009 1950
720-19404-15	SB-3-5'	Solid	04/21/2009 1240	04/23/2009 1950
720-19404-16	SB-3-8'	Solid	04/21/2009 1243	04/23/2009 1950
720-19404-17	SB-3-9'	Solid	04/21/2009 1245	04/23/2009 1950
720-19404-18	SB-3-12'	Solid	04/21/2009 1250	04/23/2009 1950
720-19404-19	SB-3-W	Water	04/21/2009 1300	04/23/2009 1950
720-19404-20	SB-2-5'	Solid	04/21/2009 1400	04/23/2009 1950
720-19404-21	SB-2-8'	Solid	04/21/2009 1402	04/23/2009 1950
720-19404-22	SB-2-12'	Solid	04/21/2009 1404	04/23/2009 1950
720-19404-23	SB-2-W	Water	04/21/2009 1415	04/23/2009 1950
720-19404-24	SB-8-5'	Solid	04/22/2009 0840	04/23/2009 1950
720-19404-25	SB-8-7.5'	Solid	04/22/2009 0843	04/23/2009 1950
720-19404-26	SB-8-12'	Solid	04/22/2009 0855	04/23/2009 1950
720-19404-27	SB-8-17'	Solid	04/22/2009 0900	04/23/2009 1950
720-19404-29	SB-7-5'	Solid	04/22/2009 0950	04/23/2009 1950
720-19404-30	SB-7-8'	Solid	04/22/2009 0955	04/23/2009 1950
720-19404-31	SB-7-12'	Solid	04/22/2009 0959	04/23/2009 1950
720-19404-32	SB-7-16'	Solid	04/22/2009 1000	04/23/2009 1950
720-19404-34	SB-7-W	Water	04/22/2009 1015	04/23/2009 1950
720-19404-35	SB-6-5'	Solid	04/22/2009 1100	04/23/2009 1950
720-19404-36	SB-6-6.5'	Solid	04/22/2009 1101	04/23/2009 1950
720-19404-37	SB-6-W	Water	04/22/2009 1125	04/23/2009 1950
720-19404-38	SB-8W	Water	04/22/2009 1150	04/23/2009 1950

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-1-8'

Lab Sample ID: 720-19404-2

Date Sampled: 04/21/2009 0832

Client Matrix: Solid

Date Received: 04/23/2009 1950

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-49469

Instrument ID: Agilent 75MSD

Preparation: 5030B

Prep Batch: 720-49421

Lab File ID: 042909012.D

Dilution: 1.0

Initial Weight/Volume: 1.38 g

Date Analyzed: 04/29/2009 1455

Final Weight/Volume: 10 mL

Date Prepared: 04/29/2009 1000

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		36
Surrogate		%Rec		Acceptance Limits
4-Bromofluorobenzene		126		52 - 128
1,2-Dichloroethane-d4 (Surr)		93		67 - 110
Toluene-d8 (Surr)		101		58 - 109

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-1-8.5'

Lab Sample ID: 720-19404-3

Date Sampled: 04/21/2009 0840

Client Matrix: Solid

Date Received: 04/23/2009 1950

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-49469

Instrument ID: Agilent 75MSD

Preparation: 5030B

Prep Batch: 720-49421

Lab File ID: 042909013.D

Dilution: 1.0

Initial Weight/Volume: 1.05 g

Date Analyzed: 04/29/2009 1520

Final Weight/Volume: 10 mL

Date Prepared: 04/29/2009 1000

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		48
Surrogate		%Rec		Acceptance Limits
4-Bromofluorobenzene		123		52 - 128
1,2-Dichloroethane-d4 (Surr)		92		67 - 110
Toluene-d8 (Surr)		99		58 - 109

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-1-W

Lab Sample ID: 720-19404-4

Date Sampled: 04/21/2009 0920

Client Matrix: Water

Date Received: 04/23/2009 1950

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-49966

Instrument ID: Chemstation 3.0 on 95PC

Preparation: 5030B

Lab File ID: 04280928.D

Dilution: 10

Initial Weight/Volume: 10 mL

Date Analyzed: 04/29/2009 0005

Final Weight/Volume: 10 mL

Date Prepared: 04/29/2009 0005

Analyte	Result (ug/L)	Qualifier	RL
Naphthalene	ND	H	10
Surrogate	%Rec		Acceptance Limits
4-Bromofluorobenzene	105		74 - 131
1,2-Dichloroethane-d4 (Surr)	117		72 - 125
Toluene-d8 (Surr)	100		82 - 120

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-4-4.5'

Lab Sample ID: 720-19404-5

Date Sampled: 04/21/2009 0955

Client Matrix: Solid

Date Received: 04/23/2009 1950

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-49469

Instrument ID: Agilent 75MSD

Preparation: 5030B

Prep Batch: 720-49421

Lab File ID: 042909014.D

Dilution: 1.0

Initial Weight/Volume: 1.24 g

Date Analyzed: 04/29/2009 1545

Final Weight/Volume: 10 mL

Date Prepared: 04/29/2009 1000

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		40
Surrogate		%Rec		Acceptance Limits
4-Bromofluorobenzene		125		52 - 128
1,2-Dichloroethane-d4 (Surr)		89		67 - 110
Toluene-d8 (Surr)		95		58 - 109

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-4-6.5'

Lab Sample ID: 720-19404-6

Date Sampled: 04/21/2009 1005

Client Matrix: Solid

Date Received: 04/23/2009 1950

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-49469

Instrument ID: Agilent 75MSD

Preparation: 5030B

Prep Batch: 720-49421

Lab File ID: 042909015.D

Dilution: 1.0

Initial Weight/Volume: 1.00 g

Date Analyzed: 04/29/2009 1610

Final Weight/Volume: 10 mL

Date Prepared: 04/29/2009 1000

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Naphthalene		610		50
Surrogate		%Rec		Acceptance Limits
4-Bromofluorobenzene		116		52 - 128
1,2-Dichloroethane-d4 (Surr)		86		67 - 110
Toluene-d8 (Surr)		92		58 - 109

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-4-8.5'

Lab Sample ID: 720-19404-7

Date Sampled: 04/21/2009 1010

Client Matrix: Solid

Date Received: 04/23/2009 1950

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 720-49469	Instrument ID: Agilent 75MSD
Preparation:	5030B	Prep Batch: 720-49421	Lab File ID: 042909016.D
Dilution:	1.0		Initial Weight/Volume: 1.36 g
Date Analyzed:	04/29/2009 1635		Final Weight/Volume: 10 mL
Date Prepared:	04/29/2009 1000		

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Naphthalene		370		37
Surrogate		%Rec		Acceptance Limits
4-Bromofluorobenzene		125		52 - 128
1,2-Dichloroethane-d4 (Surr)		85		67 - 110
Toluene-d8 (Surr)		96		58 - 109

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-4-12'

Lab Sample ID: 720-19404-8

Date Sampled: 04/21/2009 1013

Client Matrix: Solid

Date Received: 04/23/2009 1950

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-49469

Instrument ID: Agilent 75MSD

Preparation: 5030B

Prep Batch: 720-49421

Lab File ID: 042909017.D

Dilution: 1.0

Initial Weight/Volume: 1.06 g

Date Analyzed: 04/29/2009 1700

Final Weight/Volume: 10 mL

Date Prepared: 04/29/2009 1000

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Naphthalene		130		47
Surrogate		%Rec		Acceptance Limits
4-Bromofluorobenzene		124		52 - 128
1,2-Dichloroethane-d4 (Surr)		86		67 - 110
Toluene-d8 (Surr)		93		58 - 109

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-4-W

Lab Sample ID: 720-19404-9

Date Sampled: 04/21/2009 1030

Client Matrix: Water

Date Received: 04/23/2009 1950

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-49476

Instrument ID: Chemstation 3.0 on 95PC

Preparation: 5030B

Lab File ID: 04300917.D

Dilution: 200

Initial Weight/Volume: 10 mL

Date Analyzed: 04/30/2009 1535

Final Weight/Volume: 10 mL

Date Prepared: 04/30/2009 1535

Analyte	Result (ug/L)	Qualifier	RL
Naphthalene	950		200
Surrogate	%Rec		Acceptance Limits
4-Bromofluorobenzene	105		74 - 131
1,2-Dichloroethane-d4 (Surr)	115		72 - 125
Toluene-d8 (Surr)	101		82 - 120

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-5-6.5'

Lab Sample ID: 720-19404-11
Client Matrix: Solid

Date Sampled: 04/21/2009 1142
Date Received: 04/23/2009 1950

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 720-49469	Instrument ID: Agilent 75MSD
Preparation:	5030B	Prep Batch: 720-49421	Lab File ID: 042909019.D
Dilution:	1.0		Initial Weight/Volume: 1.19 g
Date Analyzed:	04/29/2009 1751		Final Weight/Volume: 10 mL
Date Prepared:	04/29/2009 1000		

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Naphthalene		55		42
Surrogate		%Rec		Acceptance Limits
4-Bromofluorobenzene		124		52 - 128
1,2-Dichloroethane-d4 (Surr)		87		67 - 110
Toluene-d8 (Surr)		96		58 - 109

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-5-8.5'

Lab Sample ID: 720-19404-12
Client Matrix: Solid

Date Sampled: 04/21/2009 1145
Date Received: 04/23/2009 1950

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 720-49469	Instrument ID: Agilent 75MSD
Preparation:	5030B	Prep Batch: 720-49421	Lab File ID: 042909022.D
Dilution:	1.0		Initial Weight/Volume: 1.13 g
Date Analyzed:	04/29/2009 1906		Final Weight/Volume: 10 mL
Date Prepared:	04/29/2009 1000		

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Naphthalene		55		44
Surrogate		%Rec		Acceptance Limits
4-Bromofluorobenzene		124		52 - 128
1,2-Dichloroethane-d4 (Surr)		87		67 - 110
Toluene-d8 (Surr)		90		58 - 109

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-5-12'

Lab Sample ID: 720-19404-13

Date Sampled: 04/21/2009 1150

Client Matrix: Solid

Date Received: 04/23/2009 1950

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-49469

Instrument ID: Agilent 75MSD

Preparation: 5030B

Prep Batch: 720-49421

Lab File ID: 042909023.D

Dilution: 1.0

Initial Weight/Volume: 1.03 g

Date Analyzed: 04/29/2009 1932

Final Weight/Volume: 10 mL

Date Prepared: 04/29/2009 1000

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		49
Surrogate		%Rec		Acceptance Limits
4-Bromofluorobenzene		109		52 - 128
1,2-Dichloroethane-d4 (Surr)		85		67 - 110
Toluene-d8 (Surr)		87		58 - 109

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-5-W

Lab Sample ID: 720-19404-14

Date Sampled: 04/21/2009 1200

Client Matrix: Water

Date Received: 04/23/2009 1950

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-49835

Instrument ID: Chemstation 3.0 on 95PC

Preparation: 5030B

Lab File ID: 04290943.D

Dilution: 1000

Initial Weight/Volume: 10 mL

Date Analyzed: 04/30/2009 0529

Final Weight/Volume: 10 mL

Date Prepared: 04/30/2009 0529

Analyte	Result (ug/L)	Qualifier	RL
Naphthalene	ND		1000
Surrogate	%Rec		Acceptance Limits
4-Bromofluorobenzene	104		74 - 131
1,2-Dichloroethane-d4 (Surr)	119		72 - 125
Toluene-d8 (Surr)	101		82 - 120

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-3-5'

Lab Sample ID: 720-19404-15

Date Sampled: 04/21/2009 1240

Client Matrix: Solid

Date Received: 04/23/2009 1950

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-49506

Instrument ID: Agilent 75MSD

Preparation: 5030B

Prep Batch: 720-49494

Lab File ID: 043009016.D

Dilution: 1.0

Initial Weight/Volume: 5.16 g

Date Analyzed: 04/30/2009 1636

Final Weight/Volume: 10 mL

Date Prepared: 04/30/2009 1200

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		9.7
Surrogate		%Rec		Acceptance Limits
4-Bromofluorobenzene		128		52 - 128
1,2-Dichloroethane-d4 (Surr)		91		67 - 110
Toluene-d8 (Surr)		90		58 - 109

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-3-9'

Lab Sample ID: 720-19404-17
Client Matrix: Solid

Date Sampled: 04/21/2009 1245
Date Received: 04/23/2009 1950

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 720-49469	Instrument ID: Agilent 75MSD
Preparation:	5030B	Prep Batch: 720-49421	Lab File ID: 042909026.D
Dilution:	1.0		Initial Weight/Volume: 1.01 g
Date Analyzed:	04/29/2009 2047		Final Weight/Volume: 10 mL
Date Prepared:	04/29/2009 1000		

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		50
Surrogate		%Rec		Acceptance Limits
4-Bromofluorobenzene		107		52 - 128
1,2-Dichloroethane-d4 (Surr)		86		67 - 110
Toluene-d8 (Surr)		89		58 - 109

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-3-12'

Lab Sample ID: 720-19404-18

Date Sampled: 04/21/2009 1250

Client Matrix: Solid

Date Received: 04/23/2009 1950

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-49469

Instrument ID: Agilent 75MSD

Preparation: 5030B

Prep Batch: 720-49421

Lab File ID: 042909027.D

Dilution: 1.0

Initial Weight/Volume: 1.02 g

Date Analyzed: 04/29/2009 2112

Final Weight/Volume: 10 mL

Date Prepared: 04/29/2009 1000

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Naphthalene		59		49
Surrogate		%Rec		Acceptance Limits
4-Bromofluorobenzene		106		52 - 128
1,2-Dichloroethane-d4 (Surr)		83		67 - 110
Toluene-d8 (Surr)		84		58 - 109

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-3-W

Lab Sample ID: 720-19404-19

Date Sampled: 04/21/2009 1300

Client Matrix: Water

Date Received: 04/23/2009 1950

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-49476

Instrument ID: Chemstation 3.0 on 95PC

Preparation: 5030B

Lab File ID: 04300918.D

Dilution: 50

Initial Weight/Volume: 10 mL

Date Analyzed: 04/30/2009 1606

Final Weight/Volume: 10 mL

Date Prepared: 04/30/2009 1606

Analyte	Result (ug/L)	Qualifier	RL
Naphthalene	ND		50
Surrogate	%Rec		Acceptance Limits
4-Bromofluorobenzene	106		67 - 133
1,2-Dichloroethane-d4 (Surr)	114		72 - 125
Toluene-d8 (Surr)	102		82 - 120

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-2-5'

Lab Sample ID: 720-19404-20
Client Matrix: Solid

Date Sampled: 04/21/2009 1400
Date Received: 04/23/2009 1950

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B Analysis Batch: 720-49506 Instrument ID: Agilent 75MSD
Preparation: 5030B Prep Batch: 720-49494 Lab File ID: 043009030.D
Dilution: 1.0 Initial Weight/Volume: 5.12 g
Date Analyzed: 04/30/2009 2230 Final Weight/Volume: 10 mL
Date Prepared: 04/30/2009 1200

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		9.8
Surrogate		%Rec		Acceptance Limits
4-Bromofluorobenzene		99		52 - 128
1,2-Dichloroethane-d4 (Surr)		82		67 - 110
Toluene-d8 (Surr)		80		58 - 109

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-2-8'

Lab Sample ID: 720-19404-21

Date Sampled: 04/21/2009 1402

Client Matrix: Solid

Date Received: 04/23/2009 1950

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-49469

Instrument ID: Agilent 75MSD

Preparation: 5030B

Prep Batch: 720-49421

Lab File ID: 042909029.D

Dilution: 1.0

Initial Weight/Volume: 1.11 g

Date Analyzed: 04/29/2009 2202

Final Weight/Volume: 10 mL

Date Prepared: 04/29/2009 1000

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		45
Surrogate		%Rec		Acceptance Limits
4-Bromofluorobenzene		108		52 - 128
1,2-Dichloroethane-d4 (Surr)		81		67 - 110
Toluene-d8 (Surr)		87		58 - 109

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-2-12'

Lab Sample ID: 720-19404-22

Date Sampled: 04/21/2009 1404

Client Matrix: Solid

Date Received: 04/23/2009 1950

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-49506

Instrument ID: Agilent 75MSD

Preparation: 5030B

Prep Batch: 720-49494

Lab File ID: 043009018.D

Dilution: 1.0

Initial Weight/Volume: 1.16 g

Date Analyzed: 04/30/2009 1728

Final Weight/Volume: 10 mL

Date Prepared: 04/30/2009 1200

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		43
Surrogate		%Rec		Acceptance Limits
4-Bromofluorobenzene		111		52 - 128
1,2-Dichloroethane-d4 (Surr)		96		67 - 110
Toluene-d8 (Surr)		95		58 - 109

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-2-W

Lab Sample ID: 720-19404-23

Date Sampled: 04/21/2009 1415

Client Matrix: Water

Date Received: 04/23/2009 1950

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-49476

Instrument ID: Chemstation 3.0 on 95PC

Preparation: 5030B

Lab File ID: 04300919.D

Dilution: 50

Initial Weight/Volume: 10 mL

Date Analyzed: 04/30/2009 1638

Final Weight/Volume: 10 mL

Date Prepared: 04/30/2009 1638

Analyte	Result (ug/L)	Qualifier	RL
Naphthalene	ND		50
Surrogate	%Rec		Acceptance Limits
4-Bromofluorobenzene	101		67 - 133
1,2-Dichloroethane-d4 (Surr)	113		72 - 125
Toluene-d8 (Surr)	102		82 - 120

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-8-7.5'

Lab Sample ID: 720-19404-25

Date Sampled: 04/22/2009 0843

Client Matrix: Solid

Date Received: 04/23/2009 1950

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-49506

Instrument ID: Agilent 75MSD

Preparation: 5030B

Prep Batch: 720-49494

Lab File ID: 043009034.D

Dilution: 1.0

Initial Weight/Volume: 5.00 g

Date Analyzed: 05/01/2009 0012

Final Weight/Volume: 10 mL

Date Prepared: 04/30/2009 1200

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		10
Surrogate		%Rec		Acceptance Limits
4-Bromofluorobenzene		109		52 - 128
1,2-Dichloroethane-d4 (Surr)		83		67 - 110
Toluene-d8 (Surr)		76		58 - 109

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-8-12'

Lab Sample ID: 720-19404-26

Date Sampled: 04/22/2009 0855

Client Matrix: Solid

Date Received: 04/23/2009 1950

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-49506

Instrument ID: Agilent 75MSD

Preparation: 5030B

Prep Batch: 720-49494

Lab File ID: 043009035.D

Dilution: 1.0

Initial Weight/Volume: 5.05 g

Date Analyzed: 05/01/2009 0037

Final Weight/Volume: 10 mL

Date Prepared: 04/30/2009 1200

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		9.9
Surrogate		%Rec		Acceptance Limits
4-Bromofluorobenzene		124		52 - 128
1,2-Dichloroethane-d4 (Surr)		82		67 - 110
Toluene-d8 (Surr)		85		58 - 109

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-8-17'

Lab Sample ID: 720-19404-27

Date Sampled: 04/22/2009 0900

Client Matrix: Solid

Date Received: 04/23/2009 1950

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 720-49622	Instrument ID: Agilent 75MSD
Preparation:	5030B	Prep Batch: 720-49544	Lab File ID: 050109013.D
Dilution:	1.0		Initial Weight/Volume: 5.10 g
Date Analyzed:	05/01/2009 1535		Final Weight/Volume: 10 mL
Date Prepared:	05/01/2009 1200		

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		9.8
Surrogate		%Rec		Acceptance Limits
4-Bromofluorobenzene		115		52 - 128
1,2-Dichloroethane-d4 (Surr)		90		67 - 110
Toluene-d8 (Surr)		96		58 - 109

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-7-8'

Lab Sample ID: 720-19404-30

Date Sampled: 04/22/2009 0955

Client Matrix: Solid

Date Received: 04/23/2009 1950

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 720-49506	Instrument ID: Agilent 75MSD
Preparation:	5030B	Prep Batch: 720-49494	Lab File ID: 043009024.D
Dilution:	1.0		Initial Weight/Volume: 1.02 g
Date Analyzed:	04/30/2009 1959		Final Weight/Volume: 10 mL
Date Prepared:	04/30/2009 1200		

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		49
Surrogate		%Rec		Acceptance Limits
4-Bromofluorobenzene		117		52 - 128
1,2-Dichloroethane-d4 (Surr)		93		67 - 110
Toluene-d8 (Surr)		94		58 - 109

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-7-12'

Lab Sample ID: 720-19404-31

Date Sampled: 04/22/2009 0959

Client Matrix: Solid

Date Received: 04/23/2009 1950

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-49506

Instrument ID: Agilent 75MSD

Preparation: 5030B

Prep Batch: 720-49494

Lab File ID: 043009025.D

Dilution: 1.0

Initial Weight/Volume: 1.04 g

Date Analyzed: 04/30/2009 2025

Final Weight/Volume: 10 mL

Date Prepared: 04/30/2009 1200

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		48
Surrogate		%Rec		Acceptance Limits
4-Bromofluorobenzene		118		52 - 128
1,2-Dichloroethane-d4 (Surr)		89		67 - 110
Toluene-d8 (Surr)		91		58 - 109

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-7-16'

Lab Sample ID: 720-19404-32
Client Matrix: Solid

Date Sampled: 04/22/2009 1000
Date Received: 04/23/2009 1950

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B Analysis Batch: 720-49506 Instrument ID: Agilent 75MSD
Preparation: 5030B Prep Batch: 720-49494 Lab File ID: 043009026.D
Dilution: 1.0 Initial Weight/Volume: 1.17 g
Date Analyzed: 04/30/2009 2050 Final Weight/Volume: 10 mL
Date Prepared: 04/30/2009 1200

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		43
Surrogate		%Rec		Acceptance Limits
4-Bromofluorobenzene		125		52 - 128
1,2-Dichloroethane-d4 (Surr)		89		67 - 110
Toluene-d8 (Surr)		94		58 - 109

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-7-W

Lab Sample ID: 720-19404-34

Date Sampled: 04/22/2009 1015

Client Matrix: Water

Date Received: 04/23/2009 1950

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-50019

Instrument ID: Chemstation 3.0 on 95PC

Preparation: 5030B

Lab File ID: 05050935.D

Dilution: 20

Initial Weight/Volume: 10 mL

Date Analyzed: 05/06/2009 0149

Final Weight/Volume: 10 mL

Date Prepared: 05/06/2009 0149

Analyte	Result (ug/L)	Qualifier	RL
Naphthalene	ND		20
Surrogate	%Rec		Acceptance Limits
4-Bromofluorobenzene	91		74 - 131
1,2-Dichloroethane-d4 (Surr)	113		72 - 125
Toluene-d8 (Surr)	101		82 - 120

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-6-5'

Lab Sample ID: 720-19404-35
Client Matrix: Solid

Date Sampled: 04/22/2009 1100
Date Received: 04/23/2009 1950

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B Analysis Batch: 720-49506 Instrument ID: Agilent 75MSD
Preparation: 5030B Prep Batch: 720-49494 Lab File ID: 043009027.D
Dilution: 1.0 Initial Weight/Volume: 1.07 g
Date Analyzed: 04/30/2009 2115 Final Weight/Volume: 10 mL
Date Prepared: 04/30/2009 1200

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Naphthalene		63		47
Surrogate		%Rec		Acceptance Limits
4-Bromofluorobenzene		111		52 - 128
1,2-Dichloroethane-d4 (Surr)		90		67 - 110
Toluene-d8 (Surr)		84		58 - 109

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-6-W

Lab Sample ID: 720-19404-37

Date Sampled: 04/22/2009 1125

Client Matrix: Water

Date Received: 04/23/2009 1950

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-49968

Instrument ID: Chemstation 3.0 on 95PC

Preparation: 5030B

Lab File ID: 05040915.D

Dilution: 100

Initial Weight/Volume: 10 mL

Date Analyzed: 05/04/2009 1444

Final Weight/Volume: 10 mL

Date Prepared: 05/04/2009 1444

Analyte	Result (ug/L)	Qualifier	RL
Naphthalene	ND		100
Surrogate	%Rec		Acceptance Limits
4-Bromofluorobenzene	101		67 - 133
1,2-Dichloroethane-d4 (Surr)	103		72 - 125
Toluene-d8 (Surr)	102		82 - 120

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-8W

Lab Sample ID: 720-19404-38

Date Sampled: 04/22/2009 1150

Client Matrix: Water

Date Received: 04/23/2009 1950

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 720-50019

Instrument ID: Chemstation 3.0 on 95PC

Preparation: 5030B

Lab File ID: 05050936.D

Dilution: 1.0

Initial Weight/Volume: 10 mL

Date Analyzed: 05/06/2009 0220

Final Weight/Volume: 10 mL

Date Prepared: 05/06/2009 0220

Analyte	Result (ug/L)	Qualifier	RL
Naphthalene	ND		1.0
Surrogate	%Rec		Acceptance Limits
4-Bromofluorobenzene	102		74 - 131
1,2-Dichloroethane-d4 (Surr)	118		72 - 125
Toluene-d8 (Surr)	105		82 - 120

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-1-4'

Lab Sample ID: 720-19404-1
Client Matrix: Solid

Date Sampled: 04/21/2009 0830
Date Received: 04/23/2009 1950

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-49456 Instrument ID: Varian 3900A
Preparation: 5030B-Medium Prep Batch: 720-49457 Lab File ID: e:\data\2009\200904\04300
Dilution: 200 Initial Weight/Volume: 5.06 g
Date Analyzed: 04/30/2009 1912 Final Weight/Volume: 10 mL
Date Prepared: 04/30/2009 1605

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.99
Gasoline Range Organics (GRO)-C5-C12		210		49
Toluene		ND		0.99
Xylenes, Total		ND		2.0
MTBE		ND		0.99
Ethylene Dibromide		ND		0.99
1,2-Dichloroethane		ND		0.99
Ethylbenzene		ND		0.99
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		86		70 - 130
1,2-Dichloroethane-d4 (Surr)		90		70 - 130
1,4-Difluorobenzene				

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-1-8'

Lab Sample ID: 720-19404-2
Client Matrix: Solid

Date Sampled: 04/21/2009 0832
Date Received: 04/23/2009 1950

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-49536 Instrument ID: Saturn 2100
Preparation: 5030B-Medium Prep Batch: 720-49457 Lab File ID: d:\data\200905\050109\sa-s
Dilution: 200 Initial Weight/Volume: 5.12 g
Date Analyzed: 05/01/2009 1117 Final Weight/Volume: 10 mL
Date Prepared: 04/30/2009 1605

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.98
Gasoline Range Organics (GRO)-C5-C12		64		49
Toluene		ND		0.98
Xylenes, Total		ND		2.0
MTBE		ND		0.98
Ethylene Dibromide		ND		0.98
1,2-Dichloroethane		ND		0.98
Ethylbenzene		ND		0.98
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		100		70 - 130
1,2-Dichloroethane-d4 (Surr)		89		70 - 130
1,4-Difluorobenzene				

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-1-8.5'

Lab Sample ID: 720-19404-3

Date Sampled: 04/21/2009 0840

Client Matrix: Solid

Date Received: 04/23/2009 1950

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-49535 Instrument ID: Saturn 2100
Preparation: 5030B Prep Batch: 720-49686 Lab File ID: d:\data\200905\050109\sa-s
Dilution: 1.0 Initial Weight/Volume: 1.32 g
Date Analyzed: 05/01/2009 1528 Final Weight/Volume: 10 mL
Date Prepared: 05/01/2009 0800

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.019
Gasoline Range Organics (GRO)-C5-C12		7.8		0.95
Toluene		ND		0.019
Xylenes, Total		ND		0.038
Methyl tert-butyl ether		ND		0.019
Ethylene Dibromide		ND		0.019
1,2-Dichloroethane		ND		0.019
Ethylbenzene		ND		0.019
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		103		74 - 118
1,2-Dichloroethane-d4 (Surr)		107		54 - 134

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-1-W

Lab Sample ID: 720-19404-4
Client Matrix: Water

Date Sampled: 04/21/2009 0920
Date Received: 04/23/2009 1950

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-50226	Instrument ID: Chemstation 3.0 on 95PC
Preparation:	5030B		Lab File ID: 04280928.D
Dilution:	10		Initial Weight/Volume: 10 mL
Date Analyzed:	04/29/2009 0005		Final Weight/Volume: 10 mL
Date Prepared:	04/29/2009 0005		

Analyte	Result (ug/L)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12	3400	H	500

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-50355	Instrument ID: Chemstation 3.0 on 95PC
Preparation:	5030B		Lab File ID: 04280928.D
Dilution:	10		Initial Weight/Volume: 10 mL
Date Analyzed:	04/29/2009 0005		Final Weight/Volume: 10 mL
Date Prepared:	04/29/2009 0005		

Analyte	Result (ug/L)	Qualifier	RL
MTBE	5.9	H	5.0
Benzene	6.2	H	5.0
Toluene	ND	H	5.0
Xylenes, Total	ND	H	10
Ethylene Dibromide	ND	H	5.0
1,2-Dichloroethane	ND	H	5.0
Ethylbenzene	6.0	H	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	117	67 - 130
Toluene-d8 (Surr)	100	78 - 130

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-4-4.5'

Lab Sample ID: 720-19404-5

Date Sampled: 04/21/2009 0955

Client Matrix: Solid

Date Received: 04/23/2009 1950

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-49535 Instrument ID: Saturn 2100
Preparation: 5030B Prep Batch: 720-49686 Lab File ID: d:\data\200905\050109\sa-s
Dilution: 1.0 Initial Weight/Volume: 1.31 g
Date Analyzed: 05/01/2009 1556 Final Weight/Volume: 10 mL
Date Prepared: 05/01/2009 0800

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.019
Gasoline Range Organics (GRO)-C5-C12		3.1		0.95
Toluene		ND		0.019
Xylenes, Total		ND		0.038
Methyl tert-butyl ether		ND		0.019
Ethylene Dibromide		ND		0.019
1,2-Dichloroethane		ND		0.019
Ethylbenzene		ND		0.019
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		104		74 - 118
1,2-Dichloroethane-d4 (Surr)		114		54 - 134

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-4-6.5'

Lab Sample ID: 720-19404-6

Date Sampled: 04/21/2009 1005

Client Matrix: Solid

Date Received: 04/23/2009 1950

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-49456 Instrument ID: Varian 3900A
Preparation: 5030B-Medium Prep Batch: 720-49457 Lab File ID: e:\data\2009\200904\04300
Dilution: 200 Initial Weight/Volume: 5.12 g
Date Analyzed: 04/30/2009 1957 Final Weight/Volume: 10 mL
Date Prepared: 04/30/2009 1605

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		4.8		0.98
Gasoline Range Organics (GRO)-C5-C12		190		49
Toluene		ND		0.98
Xylenes, Total		ND		2.0
MTBE		ND		0.98
Ethylene Dibromide		ND		0.98
1,2-Dichloroethane		ND		0.98
Ethylbenzene		1.0		0.98
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		87		70 - 130
1,2-Dichloroethane-d4 (Surr)		76		70 - 130
1,4-Difluorobenzene				

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-4-8.5'

Lab Sample ID: 720-19404-7

Date Sampled: 04/21/2009 1010

Client Matrix: Solid

Date Received: 04/23/2009 1950

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-49456 Instrument ID: Varian 3900A
Preparation: 5030B-Medium Prep Batch: 720-49457 Lab File ID: e:\data\2009\200904\04300
Dilution: 200 Initial Weight/Volume: 5.31 g
Date Analyzed: 04/30/2009 2020 Final Weight/Volume: 10 mL
Date Prepared: 04/30/2009 1605

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		2.8		0.94
Gasoline Range Organics (GRO)-C5-C12		320		47
Toluene		ND		0.94
Xylenes, Total		ND		1.9
MTBE		ND		0.94
Ethylene Dibromide		ND		0.94
1,2-Dichloroethane		ND		0.94
Ethylbenzene		ND		0.94
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		91		70 - 130
1,2-Dichloroethane-d4 (Surr)		103		70 - 130
1,4-Difluorobenzene				

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-4-12'

Lab Sample ID: 720-19404-8

Date Sampled: 04/21/2009 1013

Client Matrix: Solid

Date Received: 04/23/2009 1950

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-49668 Instrument ID: Varian 3900A
Preparation: 5030B Prep Batch: 720-49670 Lab File ID: e:\data\2009\200905\05010
Dilution: 1.0 Initial Weight/Volume: 1.08 g
Date Analyzed: 05/02/2009 0037 Final Weight/Volume: 10 mL
Date Prepared: 05/01/2009 0800

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		0.025		0.023
Gasoline Range Organics (GRO)-C5-C12		15		1.2
Toluene		ND		0.023
Xylenes, Total		ND		0.046
Methyl tert-butyl ether		ND		0.023
Ethylene Dibromide		ND		0.023
1,2-Dichloroethane		ND		0.023
Ethylbenzene		ND		0.023
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		90		74 - 118
1,2-Dichloroethane-d4 (Surr)		88		54 - 134

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-4-W

Lab Sample ID: 720-19404-9
Client Matrix: Water

Date Sampled: 04/21/2009 1030
Date Received: 04/23/2009 1950

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-50233 Instrument ID: Chemstation 3.0 on 95PC
Preparation: 5030B Lab File ID: 04300917.D
Dilution: 200 Initial Weight/Volume: 10 mL
Date Analyzed: 04/30/2009 1535 Final Weight/Volume: 10 mL
Date Prepared: 04/30/2009 1535

Analyte	Result (ug/L)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12	100000		10000

Method: 8260B/CA_LUFTMS Analysis Batch: 720-50367 Instrument ID: Chemstation 3.0 on 95PC
Preparation: 5030B Lab File ID: 04300917.D
Dilution: 200 Initial Weight/Volume: 10 mL
Date Analyzed: 04/30/2009 1535 Final Weight/Volume: 10 mL
Date Prepared: 04/30/2009 1535

Analyte	Result (ug/L)	Qualifier	RL
Benzene	12000		100
Toluene	ND		100
Xylenes, Total	ND		200
MTBE	ND		100
Ethylene Dibromide	ND		100
1,2-Dichloroethane	ND		100
Ethylbenzene	190		100

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	101	78 - 130
1,2-Dichloroethane-d4 (Surr)	115	67 - 130

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-5-5'

Lab Sample ID: 720-19404-10
Client Matrix: Solid

Date Sampled: 04/21/2009 1140
Date Received: 04/23/2009 1950

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-49456 Instrument ID: Varian 3900A
Preparation: 5030B-Medium Prep Batch: 720-49457 Lab File ID: e:\data\2009\200904\04300
Dilution: 200 Initial Weight/Volume: 5.32 g
Date Analyzed: 04/30/2009 2106 Final Weight/Volume: 10 mL
Date Prepared: 04/30/2009 1605

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.94
Gasoline Range Organics (GRO)-C5-C12		95		47
Toluene		ND		0.94
Xylenes, Total		ND		1.9
MTBE		ND		0.94
Ethylene Dibromide		ND		0.94
1,2-Dichloroethane		ND		0.94
Ethylbenzene		ND		0.94
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		96		70 - 130
1,2-Dichloroethane-d4 (Surr)		94		70 - 130
1,4-Difluorobenzene				

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-5-6.5'

Lab Sample ID: 720-19404-11
Client Matrix: Solid

Date Sampled: 04/21/2009 1142
Date Received: 04/23/2009 1950

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-49456 Instrument ID: Varian 3900A
Preparation: 5030B-Medium Prep Batch: 720-49457 Lab File ID: e:\data\2009\200904\04300
Dilution: 200 Initial Weight/Volume: 5.00 g
Date Analyzed: 04/30/2009 2129 Final Weight/Volume: 10 mL
Date Prepared: 04/30/2009 1605

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		1.0
Gasoline Range Organics (GRO)-C5-C12		170		50
Toluene		ND		1.0
Xylenes, Total		ND		2.0
MTBE		ND		1.0
Ethylene Dibromide		ND		1.0
1,2-Dichloroethane		ND		1.0
Ethylbenzene		ND		1.0

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	91	70 - 130
1,2-Dichloroethane-d4 (Surr)	97	70 - 130
1,4-Difluorobenzene		

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-5-8.5'

Lab Sample ID: 720-19404-12

Date Sampled: 04/21/2009 1145

Client Matrix: Solid

Date Received: 04/23/2009 1950

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-49456 Instrument ID: Varian 3900A
Preparation: 5030B-Medium Prep Batch: 720-49457 Lab File ID: e:\data\2009\200904\04300
Dilution: 200 Initial Weight/Volume: 5.18 g
Date Analyzed: 04/30/2009 2151 Final Weight/Volume: 10 mL
Date Prepared: 04/30/2009 1605

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.97
Gasoline Range Organics (GRO)-C5-C12		87		48
Toluene		ND		0.97
Xylenes, Total		ND		1.9
MTBE		ND		0.97
Ethylene Dibromide		ND		0.97
1,2-Dichloroethane		ND		0.97
Ethylbenzene		ND		0.97
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		80		70 - 130
1,2-Dichloroethane-d4 (Surr)		84		70 - 130
1,4-Difluorobenzene				

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-5-12'

Lab Sample ID: 720-19404-13

Date Sampled: 04/21/2009 1150

Client Matrix: Solid

Date Received: 04/23/2009 1950

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-49535 Instrument ID: Saturn 2100
Preparation: 5030B Prep Batch: 720-49686 Lab File ID: d:\data\200905\050109\sa-s
Dilution: 1.0 Initial Weight/Volume: 1.25 g
Date Analyzed: 05/01/2009 1624 Final Weight/Volume: 10 mL
Date Prepared: 05/01/2009 0800

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.020
Gasoline Range Organics (GRO)-C5-C12		9.3		1.0
Toluene		ND		0.020
Xylenes, Total		ND		0.040
Methyl tert-butyl ether		ND		0.020
Ethylene Dibromide		ND		0.020
1,2-Dichloroethane		ND		0.020
Ethylbenzene		ND		0.020
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		108		74 - 118
1,2-Dichloroethane-d4 (Surr)		110		54 - 134

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-5-W

Lab Sample ID: 720-19404-14
Client Matrix: Water

Date Sampled: 04/21/2009 1200
Date Received: 04/23/2009 1950

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-50265	Instrument ID: Chemstation 3.0 on 95PC
Preparation:	5030B		Lab File ID: 04290943.D
Dilution:	1000		Initial Weight/Volume: 10 mL
Date Analyzed:	04/30/2009 0529		Final Weight/Volume: 10 mL
Date Prepared:	04/30/2009 0529		

Analyte	Result (ug/L)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12	300000		50000

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-50380	Instrument ID: Chemstation 3.0 on 95PC
Preparation:	5030B		Lab File ID: 04290943.D
Dilution:	1000		Initial Weight/Volume: 10 mL
Date Analyzed:	04/30/2009 0529		Final Weight/Volume: 10 mL
Date Prepared:	04/30/2009 0529		

Analyte	Result (ug/L)	Qualifier	RL
Benzene	ND		500
Toluene	ND		500
Xylenes, Total	ND		1000
MTBE	ND		500
Ethylene Dibromide	ND		500
1,2-Dichloroethane	ND		500
Ethylbenzene	ND		500

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	101	78 - 130
1,2-Dichloroethane-d4 (Surr)	119	67 - 130

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-3-5'

Lab Sample ID: 720-19404-15
Client Matrix: Solid

Date Sampled: 04/21/2009 1240
Date Received: 04/23/2009 1950

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-49668	Instrument ID: Varian 3900A
Preparation:	5030B	Prep Batch: 720-49670	Lab File ID: e:\data\2009\200905\05010
Dilution:	1.0		Initial Weight/Volume: 5.54 g
Date Analyzed:	05/01/2009 1940		Final Weight/Volume: 10 mL
Date Prepared:	05/01/2009 0800		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.0045
Toluene		ND		0.0045
Xylenes, Total		ND		0.0090
Methyl tert-butyl ether		ND		0.0045
Ethylene Dibromide		ND		0.0045
1,2-Dichloroethane		ND		0.0045
Ethylbenzene		ND		0.0045

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	95	74 - 118
1,2-Dichloroethane-d4 (Surr)	89	54 - 134

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-49904	Instrument ID: Saturn 2100
Preparation:	5030B	Prep Batch: 720-49908	Lab File ID: d:\data\200905\050509\sa-s
Dilution:	1.0		Initial Weight/Volume: 5.33 g
Date Analyzed:	05/05/2009 1721		Final Weight/Volume: 10 mL
Date Prepared:	05/05/2009 0800		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12		0.26		0.23

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	106	74 - 118
1,2-Dichloroethane-d4 (Surr)	116	54 - 134

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-3-8'

Lab Sample ID: 720-19404-16
Client Matrix: Solid

Date Sampled: 04/21/2009 1243
Date Received: 04/23/2009 1950

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-49668	Instrument ID: Varian 3900A
Preparation:	5030B	Prep Batch: 720-49670	Lab File ID: e:\data\2009\200905\05010
Dilution:	1.0		Initial Weight/Volume: 5.70 g
Date Analyzed:	05/01/2009 2003		Final Weight/Volume: 10 mL
Date Prepared:	05/01/2009 0800		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.0044
Toluene		ND		0.0044
Xylenes, Total		ND		0.0088
Methyl tert-butyl ether		ND		0.0044
Ethylene Dibromide		ND		0.0044
1,2-Dichloroethane		ND		0.0044
Ethylbenzene		ND		0.0044

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	101	74 - 118
1,2-Dichloroethane-d4 (Surr)	95	54 - 134

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-49904	Instrument ID: Saturn 2100
Preparation:	5030B	Prep Batch: 720-49908	Lab File ID: d:\data\200905\050509\sa-s
Dilution:	1.0		Initial Weight/Volume: 1.04 g
Date Analyzed:	05/05/2009 2010		Final Weight/Volume: 10 mL
Date Prepared:	05/05/2009 0800		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12		ND		1.2

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	109	74 - 118
1,2-Dichloroethane-d4 (Surr)	103	54 - 134

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-3-9'

Lab Sample ID: 720-19404-17
Client Matrix: Solid

Date Sampled: 04/21/2009 1245
Date Received: 04/23/2009 1950

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-49536 Instrument ID: Saturn 2100
Preparation: 5030B-Medium Prep Batch: 720-49457 Lab File ID: d:\data\200905\050109\sa-s
Dilution: 200 Initial Weight/Volume: 5.07 g
Date Analyzed: 05/01/2009 1213 Final Weight/Volume: 10 mL
Date Prepared: 04/30/2009 1605

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.99
Gasoline Range Organics (GRO)-C5-C12		55		49
Toluene		ND		0.99
Xylenes, Total		ND		2.0
MTBE		ND		0.99
Ethylene Dibromide		ND		0.99
1,2-Dichloroethane		ND		0.99
Ethylbenzene		ND		0.99
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		106		70 - 130
1,2-Dichloroethane-d4 (Surr)		73		70 - 130
1,4-Difluorobenzene				

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-3-12'

Lab Sample ID: 720-19404-18

Date Sampled: 04/21/2009 1250

Client Matrix: Solid

Date Received: 04/23/2009 1950

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-49535 Instrument ID: Saturn 2100
Preparation: 5030B Prep Batch: 720-49686 Lab File ID: d:\data\200905\050109\sa-s
Dilution: 1.0 Initial Weight/Volume: 1.15 g
Date Analyzed: 05/01/2009 1652 Final Weight/Volume: 10 mL
Date Prepared: 05/01/2009 0800

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.022
Gasoline Range Organics (GRO)-C5-C12		20		1.1
Toluene		ND		0.022
Xylenes, Total		ND		0.043
Methyl tert-butyl ether		ND		0.022
Ethylene Dibromide		ND		0.022
1,2-Dichloroethane		ND		0.022
Ethylbenzene		ND		0.022
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		109		74 - 118
1,2-Dichloroethane-d4 (Surr)		119		54 - 134

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-3-W

Lab Sample ID: 720-19404-19
Client Matrix: Water

Date Sampled: 04/21/2009 1300
Date Received: 04/23/2009 1950

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-50233 Instrument ID: Chemstation 3.0 on 95PC
Preparation: 5030B Lab File ID: 04300918.D
Dilution: 50 Initial Weight/Volume: 10 mL
Date Analyzed: 04/30/2009 1606 Final Weight/Volume: 10 mL
Date Prepared: 04/30/2009 1606

Analyte	Result (ug/L)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12	17000		2500

Method: 8260B/CA_LUFTMS Analysis Batch: 720-50367 Instrument ID: Chemstation 3.0 on 95PC
Preparation: 5030B Lab File ID: 04300918.D
Dilution: 50 Initial Weight/Volume: 10 mL
Date Analyzed: 04/30/2009 1606 Final Weight/Volume: 10 mL
Date Prepared: 04/30/2009 1606

Analyte	Result (ug/L)	Qualifier	RL
Benzene	ND		25
Toluene	ND		25
Xylenes, Total	ND		50
MTBE	ND		25
Ethylene Dibromide	ND		25
1,2-Dichloroethane	ND		25
Ethylbenzene	ND		25

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	102	78 - 130
1,2-Dichloroethane-d4 (Surr)	114	67 - 130

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-2-5'

Lab Sample ID: 720-19404-20
Client Matrix: Solid

Date Sampled: 04/21/2009 1400
Date Received: 04/23/2009 1950

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-49668 Instrument ID: Varian 3900A
Preparation: 5030B Prep Batch: 720-49670 Lab File ID: e:\data\2009\200905\05010
Dilution: 1.0 Initial Weight/Volume: 5.24 g
Date Analyzed: 05/01/2009 2243 Final Weight/Volume: 10 mL
Date Prepared: 05/01/2009 0800

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.0048
Gasoline Range Organics (GRO)-C5-C12		ND		0.24
Toluene		ND		0.0048
Xylenes, Total		ND		0.0095
Methyl tert-butyl ether		ND		0.0048
Ethylene Dibromide		ND		0.0048
1,2-Dichloroethane		ND		0.0048
Ethylbenzene		ND		0.0048
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		94		74 - 118
1,2-Dichloroethane-d4 (Surr)		99		54 - 134

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-2-8'

Lab Sample ID: 720-19404-21
Client Matrix: Solid

Date Sampled: 04/21/2009 1402
Date Received: 04/23/2009 1950

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-49456 Instrument ID: Varian 3900A
Preparation: 5030B-Medium Prep Batch: 720-49457 Lab File ID: e:\data\2009\200904\04300
Dilution: 200 Initial Weight/Volume: 5.10 g
Date Analyzed: 04/30/2009 2214 Final Weight/Volume: 10 mL
Date Prepared: 04/30/2009 1605

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.98
Gasoline Range Organics (GRO)-C5-C12		97		49
Toluene		ND		0.98
Xylenes, Total		ND		2.0
MTBE		ND		0.98
Ethylene Dibromide		ND		0.98
1,2-Dichloroethane		ND		0.98
Ethylbenzene		ND		0.98
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		94		70 - 130
1,2-Dichloroethane-d4 (Surr)		101		70 - 130
1,4-Difluorobenzene				

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-2-12'

Lab Sample ID: 720-19404-22

Date Sampled: 04/21/2009 1404

Client Matrix: Solid

Date Received: 04/23/2009 1950

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-49535 Instrument ID: Saturn 2100
Preparation: 5030B Prep Batch: 720-49686 Lab File ID: d:\data\200905\050109\sa-s
Dilution: 1.0 Initial Weight/Volume: 1.53 g
Date Analyzed: 05/01/2009 1431 Final Weight/Volume: 10 mL
Date Prepared: 05/01/2009 0800

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.016
Gasoline Range Organics (GRO)-C5-C12		5.0		0.82
Toluene		ND		0.016
Xylenes, Total		ND		0.033
Methyl tert-butyl ether		ND		0.016
Ethylene Dibromide		ND		0.016
1,2-Dichloroethane		ND		0.016
Ethylbenzene		ND		0.016
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		114		74 - 118
1,2-Dichloroethane-d4 (Surr)		121		54 - 134

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-2-W

Lab Sample ID: 720-19404-23
Client Matrix: Water

Date Sampled: 04/21/2009 1415
Date Received: 04/23/2009 1950

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-50233	Instrument ID: Chemstation 3.0 on 95PC
Preparation:	5030B		Lab File ID: 04300919.D
Dilution:	50		Initial Weight/Volume: 10 mL
Date Analyzed:	04/30/2009 1638		Final Weight/Volume: 10 mL
Date Prepared:	04/30/2009 1638		

Analyte	Result (ug/L)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12	5600		2500

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-50367	Instrument ID: Chemstation 3.0 on 95PC
Preparation:	5030B		Lab File ID: 04300919.D
Dilution:	50		Initial Weight/Volume: 10 mL
Date Analyzed:	04/30/2009 1638		Final Weight/Volume: 10 mL
Date Prepared:	04/30/2009 1638		

Analyte	Result (ug/L)	Qualifier	RL
Benzene	ND		25
Toluene	ND		25
Xylenes, Total	ND		50
MTBE	ND		25
Ethylene Dibromide	ND		25
1,2-Dichloroethane	ND		25
Ethylbenzene	ND		25

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	102	78 - 130
1,2-Dichloroethane-d4 (Surr)	113	67 - 130

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-8-5'

Lab Sample ID: 720-19404-24

Date Sampled: 04/22/2009 0840

Client Matrix: Solid

Date Received: 04/23/2009 1950

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-49668 Instrument ID: Varian 3900A
Preparation: 5030B Prep Batch: 720-49670 Lab File ID: e:\data\2009\200905\05010
Dilution: 1.0 Initial Weight/Volume: 5.24 g
Date Analyzed: 05/01/2009 2351 Final Weight/Volume: 10 mL
Date Prepared: 05/01/2009 0800

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.0048
Gasoline Range Organics (GRO)-C5-C12		ND		0.24
Toluene		ND		0.0048
Xylenes, Total		ND		0.0095
Methyl tert-butyl ether		ND		0.0048
Ethylene Dibromide		ND		0.0048
1,2-Dichloroethane		ND		0.0048
Ethylbenzene		ND		0.0048
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		95		74 - 118
1,2-Dichloroethane-d4 (Surr)		97		54 - 134

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-8-7.5'

Lab Sample ID: 720-19404-25

Date Sampled: 04/22/2009 0843

Client Matrix: Solid

Date Received: 04/23/2009 1950

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-49668 Instrument ID: Varian 3900A
Preparation: 5030B Prep Batch: 720-49670 Lab File ID: e:\data\2009\200905\05010
Dilution: 1.0 Initial Weight/Volume: 5.27 g
Date Analyzed: 05/02/2009 0014 Final Weight/Volume: 10 mL
Date Prepared: 05/01/2009 0800

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.0047
Gasoline Range Organics (GRO)-C5-C12		4.1		0.24
Toluene		ND		0.0047
Xylenes, Total		ND		0.0095
Methyl tert-butyl ether		ND		0.0047
Ethylene Dibromide		ND		0.0047
1,2-Dichloroethane		ND		0.0047
Ethylbenzene		ND		0.0047
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		87		74 - 118
1,2-Dichloroethane-d4 (Surr)		110		54 - 134

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-8-12'

Lab Sample ID: 720-19404-26
Client Matrix: Solid

Date Sampled: 04/22/2009 0855
Date Received: 04/23/2009 1950

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-49668 Instrument ID: Varian 3900A
Preparation: 5030B Prep Batch: 720-49670 Lab File ID: e:\data\2009\200905\05010
Dilution: 1.0 Initial Weight/Volume: 5.30 g
Date Analyzed: 05/01/2009 1917 Final Weight/Volume: 10 mL
Date Prepared: 05/01/2009 0800

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.0047
Gasoline Range Organics (GRO)-C5-C12		1.4		0.24
Toluene		ND		0.0047
Xylenes, Total		ND		0.0094
Methyl tert-butyl ether		ND		0.0047
Ethylene Dibromide		ND		0.0047
1,2-Dichloroethane		ND		0.0047
Ethylbenzene		ND		0.0047
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		89		74 - 118
1,2-Dichloroethane-d4 (Surr)		94		54 - 134

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-8-17'

Lab Sample ID: 720-19404-27

Date Sampled: 04/22/2009 0900

Client Matrix: Solid

Date Received: 04/23/2009 1950

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-49668 Instrument ID: Varian 3900A
Preparation: 5030B Prep Batch: 720-49670 Lab File ID: e:\data\2009\200905\05010
Dilution: 1.0 Initial Weight/Volume: 5.04 g
Date Analyzed: 05/01/2009 2306 Final Weight/Volume: 10 mL
Date Prepared: 05/01/2009 0800

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.0050
Gasoline Range Organics (GRO)-C5-C12		ND		0.25
Toluene		ND		0.0050
Xylenes, Total		ND		0.0099
Methyl tert-butyl ether		ND		0.0050
Ethylene Dibromide		ND		0.0050
1,2-Dichloroethane		ND		0.0050
Ethylbenzene		ND		0.0050
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		98		74 - 118
1,2-Dichloroethane-d4 (Surr)		92		54 - 134

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-7-5'

Lab Sample ID: 720-19404-29

Date Sampled: 04/22/2009 0950

Client Matrix: Solid

Date Received: 04/23/2009 1950

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-49668 Instrument ID: Varian 3900A
Preparation: 5030B Prep Batch: 720-49670 Lab File ID: e:\data\2009\200905\05010
Dilution: 1.0 Initial Weight/Volume: 5.07 g
Date Analyzed: 05/01/2009 2328 Final Weight/Volume: 10 mL
Date Prepared: 05/01/2009 0800

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.0049
Gasoline Range Organics (GRO)-C5-C12		ND		0.25
Toluene		ND		0.0049
Xylenes, Total		ND		0.0099
Methyl tert-butyl ether		ND		0.0049
Ethylene Dibromide		ND		0.0049
1,2-Dichloroethane		ND		0.0049
Ethylbenzene		ND		0.0049
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		89		74 - 118
1,2-Dichloroethane-d4 (Surr)		101		54 - 134

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-7-8'

Lab Sample ID: 720-19404-30

Date Sampled: 04/22/2009 0955

Client Matrix: Solid

Date Received: 04/23/2009 1950

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-49535 Instrument ID: Saturn 2100
Preparation: 5030B Prep Batch: 720-49686 Lab File ID: d:\data\200905\050109\sa-s
Dilution: 1.0 Initial Weight/Volume: 5.37 g
Date Analyzed: 05/01/2009 1845 Final Weight/Volume: 10 mL
Date Prepared: 05/01/2009 0800

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.0047
Gasoline Range Organics (GRO)-C5-C12		1.9		0.23
Toluene		ND		0.0047
Xylenes, Total		ND		0.0093
Methyl tert-butyl ether		ND		0.0047
Ethylene Dibromide		ND		0.0047
1,2-Dichloroethane		ND		0.0047
Ethylbenzene		ND		0.0047
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		104		74 - 118
1,2-Dichloroethane-d4 (Surr)		128		54 - 134

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-7-12'

Lab Sample ID: 720-19404-31

Date Sampled: 04/22/2009 0959

Client Matrix: Solid

Date Received: 04/23/2009 1950

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-49535	Instrument ID: Saturn 2100
Preparation:	5030B	Prep Batch: 720-49686	Lab File ID: d:\data\200905\050109\sa-s
Dilution:	1.0		Initial Weight/Volume: 2.34 g
Date Analyzed:	05/01/2009 1500		Final Weight/Volume: 10 mL
Date Prepared:	05/01/2009 0800		

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.011
Gasoline Range Organics (GRO)-C5-C12		4.7		0.53
Toluene		ND		0.011
Xylenes, Total		ND		0.021
Methyl tert-butyl ether		ND		0.011
Ethylene Dibromide		ND		0.011
1,2-Dichloroethane		ND		0.011
Ethylbenzene		ND		0.011
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		105		74 - 118
1,2-Dichloroethane-d4 (Surr)		118		54 - 134

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-7-16'

Lab Sample ID: 720-19404-32

Date Sampled: 04/22/2009 1000

Client Matrix: Solid

Date Received: 04/23/2009 1950

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-49536 Instrument ID: Saturn 2100
Preparation: 5030B-Medium Prep Batch: 720-49457 Lab File ID: d:\data\200905\050109\sa-s
Dilution: 200 Initial Weight/Volume: 5.01 g
Date Analyzed: 05/01/2009 1241 Final Weight/Volume: 10 mL
Date Prepared: 04/30/2009 1605

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		1.0
Gasoline Range Organics (GRO)-C5-C12		66		50
Toluene		ND		1.0
Xylenes, Total		ND		2.0
MTBE		ND		1.0
Ethylene Dibromide		ND		1.0
1,2-Dichloroethane		ND		1.0
Ethylbenzene		ND		1.0
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		107		70 - 130
1,2-Dichloroethane-d4 (Surr)		84		70 - 130
1,4-Difluorobenzene				

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-7-W

Lab Sample ID: 720-19404-34
Client Matrix: Water

Date Sampled: 04/22/2009 1015
Date Received: 04/23/2009 1950

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-50195 Instrument ID: Chemstation 3.0 on 95PC
Preparation: 5030B Lab File ID: 05050935.D
Dilution: 20 Initial Weight/Volume: 10 mL
Date Analyzed: 05/06/2009 0149 Final Weight/Volume: 10 mL
Date Prepared: 05/06/2009 0149

Analyte	Result (ug/L)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12	ND		1000

Method: 8260B/CA_LUFTMS Analysis Batch: 720-50348 Instrument ID: Chemstation 3.0 on 95PC
Preparation: 5030B Lab File ID: 05050935.D
Dilution: 20 Initial Weight/Volume: 10 mL
Date Analyzed: 05/06/2009 0149 Final Weight/Volume: 10 mL
Date Prepared: 05/06/2009 0149

Analyte	Result (ug/L)	Qualifier	RL
Benzene	37		10
Toluene	ND		10
Xylenes, Total	ND		20
MTBE	ND		10
Ethylene Dibromide	ND		10
1,2-Dichloroethane	ND		10
Ethylbenzene	ND		10

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	98	78 - 130
1,2-Dichloroethane-d4 (Surr)	126	67 - 130

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-6-5'

Lab Sample ID: 720-19404-35

Date Sampled: 04/22/2009 1100

Client Matrix: Solid

Date Received: 04/23/2009 1950

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-49456 Instrument ID: Varian 3900A
Preparation: 5030B-Medium Prep Batch: 720-49457 Lab File ID: e:\data\2009\200904\04300
Dilution: 200 Initial Weight/Volume: 5.01 g
Date Analyzed: 05/01/2009 0118 Final Weight/Volume: 10 mL
Date Prepared: 04/30/2009 1605

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		1.0
Gasoline Range Organics (GRO)-C5-C12		210		50
Toluene		ND		1.0
Xylenes, Total		ND		2.0
MTBE		ND		1.0
Ethylene Dibromide		ND		1.0
1,2-Dichloroethane		ND		1.0
Ethylbenzene		ND		1.0
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		94		70 - 130
1,2-Dichloroethane-d4 (Surr)		85		70 - 130
1,4-Difluorobenzene				

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-6-6.5'

Lab Sample ID: 720-19404-36
Client Matrix: Solid

Date Sampled: 04/22/2009 1101
Date Received: 04/23/2009 1950

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-49456 Instrument ID: Varian 3900A
Preparation: 5030B-Medium Prep Batch: 720-49457 Lab File ID: e:\data\2009\200904\04300
Dilution: 200 Initial Weight/Volume: 5.20 g
Date Analyzed: 05/01/2009 0141 Final Weight/Volume: 10 mL
Date Prepared: 04/30/2009 1605

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Benzene		ND		0.96
Gasoline Range Organics (GRO)-C5-C12		230		48
Toluene		ND		0.96
Xylenes, Total		ND		1.9
MTBE		ND		0.96
Ethylene Dibromide		ND		0.96
1,2-Dichloroethane		ND		0.96
Ethylbenzene		ND		0.96
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		93		70 - 130
1,2-Dichloroethane-d4 (Surr)		91		70 - 130
1,4-Difluorobenzene				

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-6-W

Lab Sample ID: 720-19404-37
Client Matrix: Water

Date Sampled: 04/22/2009 1125
Date Received: 04/23/2009 1950

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-50181	Instrument ID: Chemstation 3.0 on 95PC
Preparation:	5030B		Lab File ID: 05040915.D
Dilution:	100		Initial Weight/Volume: 10 mL
Date Analyzed:	05/04/2009 1444		Final Weight/Volume: 10 mL
Date Prepared:	05/04/2009 1444		

Analyte	Result (ug/L)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12	37000		5000

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-50341	Instrument ID: Chemstation 3.0 on 95PC
Preparation:	5030B		Lab File ID: 05040915.D
Dilution:	100		Initial Weight/Volume: 10 mL
Date Analyzed:	05/04/2009 1444		Final Weight/Volume: 10 mL
Date Prepared:	05/04/2009 1444		

Analyte	Result (ug/L)	Qualifier	RL
Benzene	ND		50
Toluene	ND		50
Xylenes, Total	ND		100
MTBE	ND		50
Ethylene Dibromide	ND		50
1,2-Dichloroethane	ND		50
Ethylbenzene	ND		50

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	100	78 - 130
1,2-Dichloroethane-d4 (Surr)	114	67 - 130

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-8W

Lab Sample ID: 720-19404-38
Client Matrix: Water

Date Sampled: 04/22/2009 1150
Date Received: 04/23/2009 1950

8260B/CA_LUFTMS Volatile Organic Compounds by GC/MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-50195	Instrument ID: Chemstation 3.0 on 95PC
Preparation:	5030B		Lab File ID: 05050936.D
Dilution:	1.0		Initial Weight/Volume: 10 mL
Date Analyzed:	05/06/2009 0220		Final Weight/Volume: 10 mL
Date Prepared:	05/06/2009 0220		

Analyte	Result (ug/L)	Qualifier	RL
Gasoline Range Organics (GRO)-C5-C12	54		50

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-50348	Instrument ID: Chemstation 3.0 on 95PC
Preparation:	5030B		Lab File ID: 05050936.D
Dilution:	1.0		Initial Weight/Volume: 10 mL
Date Analyzed:	05/06/2009 0220		Final Weight/Volume: 10 mL
Date Prepared:	05/06/2009 0220		

Analyte	Result (ug/L)	Qualifier	RL
Benzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
MTBE	0.68		0.50
Ethylene Dibromide	ND		0.50
1,2-Dichloroethane	ND		0.50
Ethylbenzene	ND		0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	102		78 - 130
1,2-Dichloroethane-d4 (Surr)	131	X	67 - 130

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-1-4'

Lab Sample ID: 720-19404-1
Client Matrix: Solid

Date Sampled: 04/21/2009 0830
Date Received: 04/23/2009 1950

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-49618	Instrument ID:	HP DRO5
Preparation:	3550B	Prep Batch: 720-49381	Lab File ID:	N/A
Dilution:	5.0		Initial Weight/Volume:	30.09 g
Date Analyzed:	04/30/2009 1055		Final Weight/Volume:	5 mL
Date Prepared:	04/29/2009 0936		Injection Volume:	
			Column ID:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		170		5.0

Surrogate	%Rec		Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	0	D	50 - 111

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-1-8'

Lab Sample ID: 720-19404-2

Date Sampled: 04/21/2009 0832

Client Matrix: Solid

Date Received: 04/23/2009 1950

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-49618	Instrument ID:	HP DRO5
Preparation:	3550B	Prep Batch: 720-49381	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	30.28 g
Date Analyzed:	04/30/2009 1646		Final Weight/Volume:	5 mL
Date Prepared:	04/29/2009 0936		Injection Volume:	
			Column ID:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		460		0.99
Surrogate		%Rec		Acceptance Limits
Capric Acid (Surr)		143	X	0 - 5
p-Terphenyl		69		50 - 111

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-1-8.5'

Lab Sample ID: 720-19404-3

Date Sampled: 04/21/2009 0840

Client Matrix: Solid

Date Received: 04/23/2009 1950

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method: 8015B

Analysis Batch: 720-49618

Instrument ID: HP DRO5

Preparation: 3550B

Prep Batch: 720-49381

Lab File ID: N/A

Dilution: 5.0

Initial Weight/Volume: 30.17 g

Date Analyzed: 05/01/2009 1111

Final Weight/Volume: 5 mL

Date Prepared: 04/29/2009 0936

Injection Volume:

Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		530		5.0

Surrogate	%Rec		Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	0	D	50 - 111

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-1-W

Lab Sample ID: 720-19404-4

Date Sampled: 04/21/2009 0920

Client Matrix: Water

Date Received: 04/23/2009 1950

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-49462	Instrument ID: HP GC 7890
Preparation:	3510C SGC	Prep Batch: 720-49324	Lab File ID: N/A
Dilution:	10		Initial Weight/Volume: 500 mL
Date Analyzed:	05/01/2009 0827		Final Weight/Volume: 2 mL
Date Prepared:	04/28/2009 1445		Injection Volume:
			Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	43000		500

Surrogate	%Rec	Acceptance Limits
Capric Acid (Surr)	0	0 - 5
p-Terphenyl	0	31 - 150

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-4-4.5'

Lab Sample ID: 720-19404-5

Date Sampled: 04/21/2009 0955

Client Matrix: Solid

Date Received: 04/23/2009 1950

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-49618	Instrument ID:	HP DRO5
Preparation:	3550B	Prep Batch: 720-49381	Lab File ID:	N/A
Dilution:	10		Initial Weight/Volume:	30.01 g
Date Analyzed:	05/01/2009 1300		Final Weight/Volume:	5 mL
Date Prepared:	04/29/2009 0936		Injection Volume:	
			Column ID:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		1600		10

Surrogate	%Rec		Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	0	D	50 - 111

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-4-6.5'

Lab Sample ID: 720-19404-6
Client Matrix: Solid

Date Sampled: 04/21/2009 1005
Date Received: 04/23/2009 1950

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-49618	Instrument ID:	HP DRO5
Preparation:	3550B	Prep Batch: 720-49381	Lab File ID:	N/A
Dilution:	5.0		Initial Weight/Volume:	30.46 g
Date Analyzed:	05/01/2009 1138		Final Weight/Volume:	5 mL
Date Prepared:	04/29/2009 0936		Injection Volume:	
			Column ID:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		470		4.9

Surrogate	%Rec		Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	0	D	50 - 111

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-4-8.5'

Lab Sample ID: 720-19404-7

Date Sampled: 04/21/2009 1010

Client Matrix: Solid

Date Received: 04/23/2009 1950

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-49618	Instrument ID:	HP DRO5
Preparation:	3550B	Prep Batch: 720-49381	Lab File ID:	N/A
Dilution:	5.0		Initial Weight/Volume:	30.35 g
Date Analyzed:	05/01/2009 1233		Final Weight/Volume:	5 mL
Date Prepared:	04/29/2009 0936		Injection Volume:	
			Column ID:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		450		4.9

Surrogate	%Rec		Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	0	D	50 - 111

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-4-12'

Lab Sample ID: 720-19404-8

Date Sampled: 04/21/2009 1013

Client Matrix: Solid

Date Received: 04/23/2009 1950

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method: 8015B

Analysis Batch: 720-49618

Instrument ID: HP DRO5

Preparation: 3550B

Prep Batch: 720-49381

Lab File ID: N/A

Dilution: 1.0

Initial Weight/Volume: 30.14 g

Date Analyzed: 04/30/2009 1835

Final Weight/Volume: 5 mL

Date Prepared: 04/29/2009 0936

Injection Volume:

Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		280		1.0
Surrogate		%Rec		Acceptance Limits
Capric Acid (Surr)		86	X	0 - 5
p-Terphenyl		67		50 - 111

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-4-W

Lab Sample ID: 720-19404-9

Date Sampled: 04/21/2009 1030

Client Matrix: Water

Date Received: 04/23/2009 1950

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-49462	Instrument ID:	HP GC 7890
Preparation:	3510C SGC	Prep Batch: 720-49324	Lab File ID:	N/A
Dilution:	100		Initial Weight/Volume:	500 mL
Date Analyzed:	05/01/2009 0213		Final Weight/Volume:	2 mL
Date Prepared:	04/28/2009 1445		Injection Volume:	
			Column ID:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	800000		5000

Surrogate	%Rec		Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	0	D	31 - 150

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-5-5'

Lab Sample ID: 720-19404-10

Date Sampled: 04/21/2009 1140

Client Matrix: Solid

Date Received: 04/23/2009 1950

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-49618	Instrument ID:	HP DRO5
Preparation:	3550B	Prep Batch: 720-49381	Lab File ID:	N/A
Dilution:	10		Initial Weight/Volume:	30.23 g
Date Analyzed:	05/01/2009 1327		Final Weight/Volume:	5 mL
Date Prepared:	04/29/2009 0936		Injection Volume:	
			Column ID:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		1000		9.9

Surrogate	%Rec		Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	0	D	50 - 111

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-5-6.5'

Lab Sample ID: 720-19404-11

Date Sampled: 04/21/2009 1142

Client Matrix: Solid

Date Received: 04/23/2009 1950

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-49618	Instrument ID:	HP DRO5
Preparation:	3550B	Prep Batch: 720-49381	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	30.09 g
Date Analyzed:	04/30/2009 1929		Final Weight/Volume:	5 mL
Date Prepared:	04/29/2009 0936		Injection Volume:	
			Column ID:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		490		1.0
Surrogate		%Rec		Acceptance Limits
Capric Acid (Surr)		292	X	0 - 5
p-Terphenyl		69		50 - 111

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-5-8.5'

Lab Sample ID: 720-19404-12

Date Sampled: 04/21/2009 1145

Client Matrix: Solid

Date Received: 04/23/2009 1950

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-49618	Instrument ID:	HP DRO5
Preparation:	3550B	Prep Batch: 720-49381	Lab File ID:	N/A
Dilution:	10		Initial Weight/Volume:	30.12 g
Date Analyzed:	05/01/2009 1354		Final Weight/Volume:	5 mL
Date Prepared:	04/29/2009 0936		Injection Volume:	
			Column ID:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		820		10

Surrogate	%Rec		Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	0	D	50 - 111

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-5-12'

Lab Sample ID: 720-19404-13

Date Sampled: 04/21/2009 1150

Client Matrix: Solid

Date Received: 04/23/2009 1950

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-49618	Instrument ID:	HP DRO5
Preparation:	3550B	Prep Batch: 720-49381	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	30.37 g
Date Analyzed:	05/01/2009 1206		Final Weight/Volume:	5 mL
Date Prepared:	04/29/2009 0936		Injection Volume:	
			Column ID:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		33		0.99

Surrogate	%Rec		Acceptance Limits
Capric Acid (Surr)	11	X	0 - 5
p-Terphenyl	62		50 - 111

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-5-W

Lab Sample ID: 720-19404-14

Date Sampled: 04/21/2009 1200

Client Matrix: Water

Date Received: 04/23/2009 1950

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method: 8015B

Analysis Batch: 720-49462

Instrument ID: HP GC 7890

Preparation: 3510C SGC

Prep Batch: 720-49324

Lab File ID: N/A

Dilution: 200

Initial Weight/Volume: 500 mL

Date Analyzed: 05/01/2009 0234

Final Weight/Volume: 5 mL

Date Prepared: 04/28/2009 1445

Injection Volume:

Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	4000000		25000
Surrogate	%Rec		Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	0	D	31 - 150

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-3-5'

Lab Sample ID: 720-19404-15
Client Matrix: Solid

Date Sampled: 04/21/2009 1240
Date Received: 04/23/2009 1950

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-49618	Instrument ID:	HP DRO5
Preparation:	3550B	Prep Batch: 720-49381	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	30.29 g
Date Analyzed:	04/30/2009 2050		Final Weight/Volume:	5 mL
Date Prepared:	04/29/2009 0936		Injection Volume:	
			Column ID:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		20		0.99
Surrogate		%Rec		Acceptance Limits
Capric Acid (Surr)		1		0 - 5
p-Terphenyl		69		50 - 111

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-3-8'

Lab Sample ID: 720-19404-16
Client Matrix: Solid

Date Sampled: 04/21/2009 1243
Date Received: 04/23/2009 1950

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-49618	Instrument ID:	HP DRO5
Preparation:	3550B	Prep Batch: 720-49381	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	30.13 g
Date Analyzed:	05/01/2009 1206		Final Weight/Volume:	5 mL
Date Prepared:	04/29/2009 0936		Injection Volume:	
			Column ID:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		2.5		1.0

Surrogate	%Rec	Acceptance Limits
Capric Acid (Surr)	1	0 - 5
p-Terphenyl	67	50 - 111

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-3-9'

Lab Sample ID: 720-19404-17

Date Sampled: 04/21/2009 1245

Client Matrix: Solid

Date Received: 04/23/2009 1950

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-49618	Instrument ID:	HP DRO5
Preparation:	3550B	Prep Batch: 720-49381	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	30.11 g
Date Analyzed:	05/01/2009 0404		Final Weight/Volume:	5 mL
Date Prepared:	04/29/2009 0936		Injection Volume:	
			Column ID:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		370		1.0

Surrogate	%Rec		Acceptance Limits
Capric Acid (Surr)	187	X	0 - 5
p-Terphenyl	79		50 - 111

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-3-12'

Lab Sample ID: 720-19404-18
Client Matrix: Solid

Date Sampled: 04/21/2009 1250
Date Received: 04/23/2009 1950

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-49618	Instrument ID:	HP DRO5
Preparation:	3550B	Prep Batch: 720-49381	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	30.07 g
Date Analyzed:	05/01/2009 0431		Final Weight/Volume:	5 mL
Date Prepared:	04/29/2009 0936		Injection Volume:	
			Column ID:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		270		1.0
Surrogate		%Rec		Acceptance Limits
Capric Acid (Surr)		80	X	0 - 5
p-Terphenyl		66		50 - 111

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-3-W

Lab Sample ID: 720-19404-19

Date Sampled: 04/21/2009 1300

Client Matrix: Water

Date Received: 04/23/2009 1950

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method: 8015B

Analysis Batch: 720-49462

Instrument ID: HP GC 7890

Preparation: 3510C SGC

Prep Batch: 720-49324

Lab File ID: N/A

Dilution: 100

Initial Weight/Volume: 500 mL

Date Analyzed: 05/01/2009 0255

Final Weight/Volume: 2 mL

Date Prepared: 04/28/2009 1445

Injection Volume:

Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	190000		5000
Surrogate	%Rec		Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	0	D	31 - 150

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-2-5'

Lab Sample ID: 720-19404-20
Client Matrix: Solid

Date Sampled: 04/21/2009 1400
Date Received: 04/23/2009 1950

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-49618	Instrument ID:	HP DRO5
Preparation:	3550B	Prep Batch: 720-49381	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	30.13 g
Date Analyzed:	04/30/2009 2117		Final Weight/Volume:	5 mL
Date Prepared:	04/29/2009 0936		Injection Volume:	
			Column ID:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		9.7		1.0

Surrogate	%Rec	Acceptance Limits
Capric Acid (Surr)	0	0 - 5
p-Terphenyl	76	50 - 111

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-2-8'

Lab Sample ID: 720-19404-21

Date Sampled: 04/21/2009 1402

Client Matrix: Solid

Date Received: 04/23/2009 1950

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-49618	Instrument ID:	HP DRO5
Preparation:	3550B	Prep Batch: 720-49381	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	30.23 g
Date Analyzed:	04/30/2009 2145		Final Weight/Volume:	5 mL
Date Prepared:	04/29/2009 0936		Injection Volume:	
			Column ID:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		370		0.99

Surrogate	%Rec		Acceptance Limits
Capric Acid (Surr)	104	X	0 - 5
p-Terphenyl	60		50 - 111

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-2-12'

Lab Sample ID: 720-19404-22

Date Sampled: 04/21/2009 1404

Client Matrix: Solid

Date Received: 04/23/2009 1950

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-49618	Instrument ID:	HP DRO5
Preparation:	3550B	Prep Batch: 720-49381	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	30.38 g
Date Analyzed:	05/01/2009 0029		Final Weight/Volume:	5 mL
Date Prepared:	04/29/2009 0936		Injection Volume:	
			Column ID:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		250		0.99

Surrogate	%Rec		Acceptance Limits
Capric Acid (Surr)	88	X	0 - 5
p-Terphenyl	79		50 - 111

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-2-W

Lab Sample ID: 720-19404-23

Date Sampled: 04/21/2009 1415

Client Matrix: Water

Date Received: 04/23/2009 1950

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-49462	Instrument ID: HP GC 7890
Preparation:	3510C SGC	Prep Batch: 720-49324	Lab File ID: N/A
Dilution:	10		Initial Weight/Volume: 500 mL
Date Analyzed:	05/01/2009 0315		Final Weight/Volume: 2 mL
Date Prepared:	04/28/2009 1445		Injection Volume:
			Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	72000		500

Surrogate	%Rec		Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	0	D	31 - 150

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-8-5'

Lab Sample ID: 720-19404-24
Client Matrix: Solid

Date Sampled: 04/22/2009 0840
Date Received: 04/23/2009 1950

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-49618	Instrument ID:	HP DRO5
Preparation:	3550B	Prep Batch: 720-49381	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	30.39 g
Date Analyzed:	05/01/2009 0056		Final Weight/Volume:	5 mL
Date Prepared:	04/29/2009 0936		Injection Volume:	
			Column ID:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		120		0.99

Surrogate	%Rec		Acceptance Limits
Capric Acid (Surr)	11	X	0 - 5
p-Terphenyl	57		50 - 111

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-8-7.5'

Lab Sample ID: 720-19404-25
Client Matrix: Solid

Date Sampled: 04/22/2009 0843
Date Received: 04/23/2009 1950

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-49666	Instrument ID:	HP DRO5
Preparation:	3550B	Prep Batch: 720-49387	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	30.40 g
Date Analyzed:	04/30/2009 2145		Final Weight/Volume:	5 mL
Date Prepared:	04/29/2009 1112		Injection Volume:	
			Column ID:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		220		0.99
Surrogate		%Rec		Acceptance Limits
Capric Acid (Surr)		31	X	0 - 5
p-Terphenyl		78		50 - 111

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-8-12'

Lab Sample ID: 720-19404-26

Date Sampled: 04/22/2009 0855

Client Matrix: Solid

Date Received: 04/23/2009 1950

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-49666	Instrument ID:	HP DRO5
Preparation:	3550B	Prep Batch: 720-49387	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	30.04 g
Date Analyzed:	04/30/2009 2212		Final Weight/Volume:	5 mL
Date Prepared:	04/29/2009 1112		Injection Volume:	
			Column ID:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		110		1.0

Surrogate	%Rec		Acceptance Limits
Capric Acid (Surr)	20	X	0 - 5
p-Terphenyl	81		50 - 111

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-8-17'

Lab Sample ID: 720-19404-27

Date Sampled: 04/22/2009 0900

Client Matrix: Solid

Date Received: 04/23/2009 1950

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-49666	Instrument ID:	HP DRO5
Preparation:	3550B	Prep Batch: 720-49387	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	30.21 g
Date Analyzed:	05/01/2009 0056		Final Weight/Volume:	5 mL
Date Prepared:	04/29/2009 1112		Injection Volume:	
			Column ID:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		2.3		0.99

Surrogate	%Rec	Acceptance Limits
Capric Acid (Surr)	0	0 - 5
p-Terphenyl	79	50 - 111

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-7-5'

Lab Sample ID: 720-19404-29

Date Sampled: 04/22/2009 0950

Client Matrix: Solid

Date Received: 04/23/2009 1950

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-49618	Instrument ID:	HP DRO5
Preparation:	3550B	Prep Batch: 720-49381	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	30.10 g
Date Analyzed:	04/30/2009 1525		Final Weight/Volume:	5 mL
Date Prepared:	04/29/2009 0936		Injection Volume:	
			Column ID:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		130		1.0

Surrogate	%Rec	Acceptance Limits
Capric Acid (Surr)	1	0 - 5
p-Terphenyl	58	50 - 111

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-7-12'

Lab Sample ID: 720-19404-31

Date Sampled: 04/22/2009 0959

Client Matrix: Solid

Date Received: 04/23/2009 1950

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-49666	Instrument ID:	HP DRO5
Preparation:	3550B	Prep Batch: 720-49387	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	30.34 g
Date Analyzed:	05/01/2009 0150		Final Weight/Volume:	5 mL
Date Prepared:	04/29/2009 1112		Injection Volume:	
			Column ID:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		54		0.99
Surrogate		%Rec		Acceptance Limits
Capric Acid (Surr)		11	X	0 - 5
p-Terphenyl		82		50 - 111

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-7-16'

Lab Sample ID: 720-19404-32

Date Sampled: 04/22/2009 1000

Client Matrix: Solid

Date Received: 04/23/2009 1950

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method: 8015B

Analysis Batch: 720-49666

Instrument ID: HP DRO5

Preparation: 3550B

Prep Batch: 720-49387

Lab File ID: N/A

Dilution: 1.0

Initial Weight/Volume: 30.17 g

Date Analyzed: 05/01/2009 0217

Final Weight/Volume: 5 mL

Date Prepared: 04/29/2009 1112

Injection Volume:

Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		170		0.99
Surrogate		%Rec		Acceptance Limits
Capric Acid (Surr)		56	X	0 - 5
p-Terphenyl		80		50 - 111

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-7-W

Lab Sample ID: 720-19404-34

Date Sampled: 04/22/2009 1015

Client Matrix: Water

Date Received: 04/23/2009 1950

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method: 8015B

Analysis Batch: 720-49462

Instrument ID: HP GC 7890

Preparation: 3510C SGC

Prep Batch: 720-49324

Lab File ID: N/A

Dilution: 10

Initial Weight/Volume: 500 mL

Date Analyzed: 05/01/2009 0336

Final Weight/Volume: 2 mL

Date Prepared: 04/28/2009 1445

Injection Volume:

Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	90000		500
Surrogate	%Rec		Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	0	D	31 - 150

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-6-5'

Lab Sample ID: 720-19404-35
Client Matrix: Solid

Date Sampled: 04/22/2009 1100
Date Received: 04/23/2009 1950

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-49666	Instrument ID:	HP DRO5
Preparation:	3550B	Prep Batch: 720-49387	Lab File ID:	N/A
Dilution:	50		Initial Weight/Volume:	30.20 g
Date Analyzed:	05/01/2009 1300		Final Weight/Volume:	5 mL
Date Prepared:	04/29/2009 1112		Injection Volume:	
			Column ID:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		12000		50

Surrogate	%Rec		Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	0	D	50 - 111

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-6-6.5'

Lab Sample ID: 720-19404-36
Client Matrix: Solid

Date Sampled: 04/22/2009 1101
Date Received: 04/23/2009 1950

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method:	8015B	Analysis Batch: 720-49666	Instrument ID: HP DRO5
Preparation:	3550B	Prep Batch: 720-49387	Lab File ID: N/A
Dilution:	5.0		Initial Weight/Volume: 30.03 g
Date Analyzed:	05/01/2009 1233		Final Weight/Volume: 5 mL
Date Prepared:	04/29/2009 1112		Injection Volume:
			Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		500		5.0

Surrogate	%Rec		Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	0	D	50 - 111

Analytical Data

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Client Sample ID: SB-6-W

Lab Sample ID: 720-19404-37

Date Sampled: 04/22/2009 1125

Client Matrix: Water

Date Received: 04/23/2009 1950

8015B Diesel Range Organics (DRO) (GC)-Silica Gel Cleanup

Method: 8015B

Analysis Batch: 720-49462

Instrument ID: HP GC 7890

Preparation: 3510C SGC

Prep Batch: 720-49324

Lab File ID: N/A

Dilution: 100

Initial Weight/Volume: 500 mL

Date Analyzed: 05/02/2009 0251

Final Weight/Volume: 2 mL

Date Prepared: 04/28/2009 1445

Injection Volume:

Column ID: PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
Diesel Range Organics [C10-C28]	730000		5000
Surrogate	%Rec		Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	0	D	31 - 150

DATA REPORTING QUALIFIERS

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Lab Section	Qualifier	Description
GC/MS VOA		
	F	MS or MSD exceeds the control limits
	F	RPD of the MS and MSD exceeds the control limits
	H	Sample was prepped or analyzed beyond the specified holding time
	X	Surrogate exceeds the control limits
GC Semi VOA		
	F	MS or MSD exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	X	Surrogate exceeds the control limits
	D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 720-49421					
LCS 720-49421/1-A	Lab Control Sample	T	Solid	5030B	
LCSD 720-49421/2-A	Lab Control Sample Duplicate	T	Solid	5030B	
MB 720-49421/3-A	Method Blank	T	Solid	5030B	
720-19404-2	SB-1-8'	T	Solid	5030B	
720-19404-3	SB-1-8.5'	T	Solid	5030B	
720-19404-5	SB-4-4.5'	T	Solid	5030B	
720-19404-6	SB-4-6.5'	T	Solid	5030B	
720-19404-7	SB-4-8.5'	T	Solid	5030B	
720-19404-8	SB-4-12'	T	Solid	5030B	
720-19404-10	SB-5-5'	T	Solid	5030B	
720-19404-11	SB-5-6.5'	T	Solid	5030B	
720-19404-12	SB-5-8.5'	T	Solid	5030B	
720-19404-13	SB-5-12'	T	Solid	5030B	
720-19404-17	SB-3-9'	T	Solid	5030B	
720-19404-18	SB-3-12'	T	Solid	5030B	
720-19404-21	SB-2-8'	T	Solid	5030B	
720-19461-A-1-B MS	Matrix Spike	T	Solid	5030B	
720-19461-A-1-C MSD	Matrix Spike Duplicate	T	Solid	5030B	
Analysis Batch:720-49456					
LCS 720-49457/2-A	Lab Control Sample	T	Solid	8260B/CA_LUFT	720-49457
LCSD 720-49457/3-A	Lab Control Sample Duplicate	T	Solid	8260B/CA_LUFT	720-49457
MB 720-49457/1-A	Method Blank	T	Solid	8260B/CA_LUFT	720-49457
720-19404-1	SB-1-4'	T	Solid	8260B/CA_LUFT	720-49457
720-19404-6	SB-4-6.5'	T	Solid	8260B/CA_LUFT	720-49457
720-19404-7	SB-4-8.5'	T	Solid	8260B/CA_LUFT	720-49457
720-19404-10	SB-5-5'	T	Solid	8260B/CA_LUFT	720-49457
720-19404-11	SB-5-6.5'	T	Solid	8260B/CA_LUFT	720-49457
720-19404-12	SB-5-8.5'	T	Solid	8260B/CA_LUFT	720-49457
720-19404-21	SB-2-8'	T	Solid	8260B/CA_LUFT	720-49457
720-19404-35	SB-6-5'	T	Solid	8260B/CA_LUFT	720-49457
720-19404-36	SB-6-6.5'	T	Solid	8260B/CA_LUFT	720-49457

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 720-49457					
LCS 720-49457/2-A	Lab Control Sample	T	Solid	5030B	
LCSD 720-49457/3-A	Lab Control Sample Duplicate	T	Solid	5030B	
MB 720-49457/1-A	Method Blank	T	Solid	5030B	
720-19404-1	SB-1-4'	T	Solid	5030B	
720-19404-2	SB-1-8'	T	Solid	5030B	
720-19404-6	SB-4-6.5'	T	Solid	5030B	
720-19404-7	SB-4-8.5'	T	Solid	5030B	
720-19404-10	SB-5-5'	T	Solid	5030B	
720-19404-11	SB-5-6.5'	T	Solid	5030B	
720-19404-12	SB-5-8.5'	T	Solid	5030B	
720-19404-17	SB-3-9'	T	Solid	5030B	
720-19404-21	SB-2-8'	T	Solid	5030B	
720-19404-32	SB-7-16'	T	Solid	5030B	
720-19404-35	SB-6-5'	T	Solid	5030B	
720-19404-36	SB-6-6.5'	T	Solid	5030B	
Analysis Batch:720-49469					
LCS 720-49421/1-A	Lab Control Sample	T	Solid	8260B	720-49421
LCSD 720-49421/2-A	Lab Control Sample Duplicate	T	Solid	8260B	720-49421
MB 720-49421/3-A	Method Blank	T	Solid	8260B	720-49421
720-19404-2	SB-1-8'	T	Solid	8260B	720-49421
720-19404-3	SB-1-8.5'	T	Solid	8260B	720-49421
720-19404-5	SB-4-4.5'	T	Solid	8260B	720-49421
720-19404-6	SB-4-6.5'	T	Solid	8260B	720-49421
720-19404-7	SB-4-8.5'	T	Solid	8260B	720-49421
720-19404-8	SB-4-12'	T	Solid	8260B	720-49421
720-19404-10	SB-5-5'	T	Solid	8260B	720-49421
720-19404-11	SB-5-6.5'	T	Solid	8260B	720-49421
720-19404-12	SB-5-8.5'	T	Solid	8260B	720-49421
720-19404-13	SB-5-12'	T	Solid	8260B	720-49421
720-19404-17	SB-3-9'	T	Solid	8260B	720-49421
720-19404-18	SB-3-12'	T	Solid	8260B	720-49421
720-19404-21	SB-2-8'	T	Solid	8260B	720-49421
720-19461-A-1-B MS	Matrix Spike	T	Solid	8260B	720-49421
720-19461-A-1-C MSD	Matrix Spike Duplicate	T	Solid	8260B	720-49421
Analysis Batch:720-49476					
LCS 720-49476/6	Lab Control Sample	T	Water	8260B	
MB 720-49476/2	Method Blank	T	Water	8260B	
720-19404-9	SB-4-W	T	Water	8260B	
720-19404-19	SB-3-W	T	Water	8260B	
720-19404-23	SB-2-W	T	Water	8260B	

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 720-49494					
LCS 720-49494/1-A	Lab Control Sample	T	Solid	5030B	
LCSD 720-49494/2-A	Lab Control Sample Duplicate	T	Solid	5030B	
MB 720-49494/3-A	Method Blank	T	Solid	5030B	
720-19404-1	SB-1-4'	T	Solid	5030B	
720-19404-15	SB-3-5'	T	Solid	5030B	
720-19404-16	SB-3-8'	T	Solid	5030B	
720-19404-20	SB-2-5'	T	Solid	5030B	
720-19404-20MS	Matrix Spike	T	Solid	5030B	
720-19404-20MSD	Matrix Spike Duplicate	T	Solid	5030B	
720-19404-22	SB-2-12'	T	Solid	5030B	
720-19404-24	SB-8-5'	T	Solid	5030B	
720-19404-25	SB-8-7.5'	T	Solid	5030B	
720-19404-26	SB-8-12'	T	Solid	5030B	
720-19404-30	SB-7-8'	T	Solid	5030B	
720-19404-31	SB-7-12'	T	Solid	5030B	
720-19404-32	SB-7-16'	T	Solid	5030B	
720-19404-35	SB-6-5'	T	Solid	5030B	
720-19404-36	SB-6-6.5'	T	Solid	5030B	
Analysis Batch:720-49506					
LCS 720-49494/1-A	Lab Control Sample	T	Solid	8260B	720-49494
LCSD 720-49494/2-A	Lab Control Sample Duplicate	T	Solid	8260B	720-49494
MB 720-49494/3-A	Method Blank	T	Solid	8260B	720-49494
720-19404-1	SB-1-4'	T	Solid	8260B	720-49494
720-19404-15	SB-3-5'	T	Solid	8260B	720-49494
720-19404-16	SB-3-8'	T	Solid	8260B	720-49494
720-19404-20	SB-2-5'	T	Solid	8260B	720-49494
720-19404-20MS	Matrix Spike	T	Solid	8260B	720-49494
720-19404-20MSD	Matrix Spike Duplicate	T	Solid	8260B	720-49494
720-19404-22	SB-2-12'	T	Solid	8260B	720-49494
720-19404-24	SB-8-5'	T	Solid	8260B	720-49494
720-19404-25	SB-8-7.5'	T	Solid	8260B	720-49494
720-19404-26	SB-8-12'	T	Solid	8260B	720-49494
720-19404-30	SB-7-8'	T	Solid	8260B	720-49494
720-19404-31	SB-7-12'	T	Solid	8260B	720-49494
720-19404-32	SB-7-16'	T	Solid	8260B	720-49494
720-19404-35	SB-6-5'	T	Solid	8260B	720-49494
720-19404-36	SB-6-6.5'	T	Solid	8260B	720-49494

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-49535					
LCS 720-49686/2-A	Lab Control Sample	T	Solid	8260B/CA_LUFT	720-49686
LCSD 720-49686/3-A	Lab Control Sample Duplicate	T	Solid	8260B/CA_LUFT	720-49686
MB 720-49686/1-A	Method Blank	T	Solid	8260B/CA_LUFT	720-49686
720-19404-3	SB-1-8.5'	T	Solid	8260B/CA_LUFT	720-49686
720-19404-5	SB-4-4.5'	T	Solid	8260B/CA_LUFT	720-49686
720-19404-13	SB-5-12'	T	Solid	8260B/CA_LUFT	720-49686
720-19404-18	SB-3-12'	T	Solid	8260B/CA_LUFT	720-49686
720-19404-22	SB-2-12'	T	Solid	8260B/CA_LUFT	720-49686
720-19404-30	SB-7-8'	T	Solid	8260B/CA_LUFT	720-49686
720-19404-30MS	Matrix Spike	T	Solid	8260B/CA_LUFT	720-49686
720-19404-30MSD	Matrix Spike Duplicate	T	Solid	8260B/CA_LUFT	720-49686
720-19404-31	SB-7-12'	T	Solid	8260B/CA_LUFT	720-49686
Analysis Batch:720-49536					
720-19404-2	SB-1-8'	T	Solid	8260B/CA_LUFT	720-49457
720-19404-17	SB-3-9'	T	Solid	8260B/CA_LUFT	720-49457
720-19404-32	SB-7-16'	T	Solid	8260B/CA_LUFT	720-49457
Prep Batch: 720-49544					
LCS 720-49544/1-A	Lab Control Sample	T	Solid	5030B	
LCSD 720-49544/2-A	Lab Control Sample Duplicate	T	Solid	5030B	
MB 720-49544/3-A	Method Blank	T	Solid	5030B	
720-19404-27	SB-8-17'	T	Solid	5030B	
720-19404-27MS	Matrix Spike	T	Solid	5030B	
720-19404-27MSD	Matrix Spike Duplicate	T	Solid	5030B	
720-19404-29	SB-7-5'	T	Solid	5030B	
Analysis Batch:720-49622					
LCS 720-49544/1-A	Lab Control Sample	T	Solid	8260B	720-49544
LCSD 720-49544/2-A	Lab Control Sample Duplicate	T	Solid	8260B	720-49544
MB 720-49544/3-A	Method Blank	T	Solid	8260B	720-49544
720-19404-27	SB-8-17'	T	Solid	8260B	720-49544
720-19404-27MS	Matrix Spike	T	Solid	8260B	720-49544
720-19404-27MSD	Matrix Spike Duplicate	T	Solid	8260B	720-49544
720-19404-29	SB-7-5'	T	Solid	8260B	720-49544

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch: 720-49668					
LCS 720-49670/2-A	Lab Control Sample	T	Solid	8260B/CA_LUFT	720-49670
LCSD 720-49670/3-A	Lab Control Sample Duplicate	T	Solid	8260B/CA_LUFT	720-49670
MB 720-49670/1-A	Method Blank	T	Solid	8260B/CA_LUFT	720-49670
720-19404-8	SB-4-12'	T	Solid	8260B/CA_LUFT	720-49670
720-19404-15	SB-3-5'	T	Solid	8260B/CA_LUFT	720-49670
720-19404-16	SB-3-8'	T	Solid	8260B/CA_LUFT	720-49670
720-19404-20	SB-2-5'	T	Solid	8260B/CA_LUFT	720-49670
720-19404-24	SB-8-5'	T	Solid	8260B/CA_LUFT	720-49670
720-19404-25	SB-8-7.5'	T	Solid	8260B/CA_LUFT	720-49670
720-19404-26	SB-8-12'	T	Solid	8260B/CA_LUFT	720-49670
720-19404-27	SB-8-17'	T	Solid	8260B/CA_LUFT	720-49670
720-19404-29	SB-7-5'	T	Solid	8260B/CA_LUFT	720-49670
720-19450-B-1-B MS	Matrix Spike	T	Solid	8260B/CA_LUFT	720-49670
720-19450-B-1-C MSD	Matrix Spike Duplicate	T	Solid	8260B/CA_LUFT	720-49670
Prep Batch: 720-49670					
LCS 720-49670/2-A	Lab Control Sample	T	Solid	5030B	
LCSD 720-49670/3-A	Lab Control Sample Duplicate	T	Solid	5030B	
MB 720-49670/1-A	Method Blank	T	Solid	5030B	
720-19404-8	SB-4-12'	T	Solid	5030B	
720-19404-15	SB-3-5'	T	Solid	5030B	
720-19404-16	SB-3-8'	T	Solid	5030B	
720-19404-20	SB-2-5'	T	Solid	5030B	
720-19404-24	SB-8-5'	T	Solid	5030B	
720-19404-25	SB-8-7.5'	T	Solid	5030B	
720-19404-26	SB-8-12'	T	Solid	5030B	
720-19404-27	SB-8-17'	T	Solid	5030B	
720-19404-29	SB-7-5'	T	Solid	5030B	
720-19450-B-1-B MS	Matrix Spike	T	Solid	5030B	
720-19450-B-1-C MSD	Matrix Spike Duplicate	T	Solid	5030B	
Prep Batch: 720-49686					
LCS 720-49686/2-A	Lab Control Sample	T	Solid	5030B	
LCSD 720-49686/3-A	Lab Control Sample Duplicate	T	Solid	5030B	
MB 720-49686/1-A	Method Blank	T	Solid	5030B	
720-19404-3	SB-1-8.5'	T	Solid	5030B	
720-19404-5	SB-4-4.5'	T	Solid	5030B	
720-19404-13	SB-5-12'	T	Solid	5030B	
720-19404-18	SB-3-12'	T	Solid	5030B	
720-19404-22	SB-2-12'	T	Solid	5030B	
720-19404-30	SB-7-8'	T	Solid	5030B	
720-19404-30MS	Matrix Spike	T	Solid	5030B	
720-19404-30MSD	Matrix Spike Duplicate	T	Solid	5030B	
720-19404-31	SB-7-12'	T	Solid	5030B	

TestAmerica San Francisco

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-49835					
LCS 720-49835/3	Lab Control Sample	T	Water	8260B	
MB 720-49835/4	Method Blank	T	Water	8260B	
720-19380-A-11 MS	Matrix Spike	T	Water	8260B	
720-19380-A-11 MSD	Matrix Spike Duplicate	T	Water	8260B	
720-19404-14	SB-5-W	T	Water	8260B	
Analysis Batch:720-49904					
LCS 720-49908/2-A	Lab Control Sample	T	Solid	8260B/CA_LUFT	720-49908
LCSD 720-49908/3-A	Lab Control Sample Duplicate	T	Solid	8260B/CA_LUFT	720-49908
MB 720-49908/1-A	Method Blank	T	Solid	8260B/CA_LUFT	720-49908
720-19404-15	SB-3-5'	T	Solid	8260B/CA_LUFT	720-49908
720-19404-16	SB-3-8'	T	Solid	8260B/CA_LUFT	720-49908
720-19536-A-1-E MS	Matrix Spike	T	Solid	8260B/CA_LUFT	720-49908
720-19536-A-1-F MSD	Matrix Spike Duplicate	T	Solid	8260B/CA_LUFT	720-49908
Prep Batch: 720-49908					
LCS 720-49908/2-A	Lab Control Sample	T	Solid	5030B	
LCSD 720-49908/3-A	Lab Control Sample Duplicate	T	Solid	5030B	
MB 720-49908/1-A	Method Blank	T	Solid	5030B	
720-19404-15	SB-3-5'	T	Solid	5030B	
720-19404-16	SB-3-8'	T	Solid	5030B	
720-19536-A-1-E MS	Matrix Spike	T	Solid	5030B	
720-19536-A-1-F MSD	Matrix Spike Duplicate	T	Solid	5030B	
Analysis Batch:720-49966					
LCS 720-49966/4	Lab Control Sample	T	Water	8260B	
MB 720-49966/7	Method Blank	T	Water	8260B	
720-19404-4	SB-1-W	T	Water	8260B	
720-19447-A-3 MS	Matrix Spike	T	Water	8260B	
720-19447-A-3 MSD	Matrix Spike Duplicate	T	Water	8260B	
Analysis Batch:720-49968					
LCS 720-49968/3	Lab Control Sample	T	Water	8260B	
MB 720-49968/6	Method Blank	T	Water	8260B	
720-19402-D-4 MS	Matrix Spike	T	Water	8260B	
720-19402-D-4 MSD	Matrix Spike Duplicate	T	Water	8260B	
720-19404-37	SB-6-W	T	Water	8260B	
Analysis Batch:720-50019					
LCS 720-50019/4	Lab Control Sample	T	Water	8260B	
MB 720-50019/5	Method Blank	T	Water	8260B	
720-19404-34	SB-7-W	T	Water	8260B	
720-19404-38	SB-8W	T	Water	8260B	
720-19488-A-4 MS	Matrix Spike	T	Water	8260B	
720-19488-A-4 MSD	Matrix Spike Duplicate	T	Water	8260B	

TestAmerica San Francisco

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-50181					
LCS 720-50181/7	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCSD 720-50181/8	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
MB 720-50181/6	Method Blank	T	Water	8260B/CA_LUFT	
720-19404-37	SB-6-W	T	Water	8260B/CA_LUFT	
Analysis Batch:720-50195					
LCS 720-50195/7	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCSD 720-50195/8	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
MB 720-50195/2	Method Blank	T	Water	8260B/CA_LUFT	
720-19404-34	SB-7-W	T	Water	8260B/CA_LUFT	
720-19404-38	SB-8W	T	Water	8260B/CA_LUFT	
Analysis Batch:720-50226					
LCS 720-50226/17	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCSD 720-50226/1	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
MB 720-50226/2	Method Blank	T	Water	8260B/CA_LUFT	
720-19404-4	SB-1-W	T	Water	8260B/CA_LUFT	
Analysis Batch:720-50233					
LCS 720-50233/1	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCSD 720-50233/2	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
MB 720-50233/3	Method Blank	T	Water	8260B/CA_LUFT	
720-19404-9	SB-4-W	T	Water	8260B/CA_LUFT	
720-19404-19	SB-3-W	T	Water	8260B/CA_LUFT	
720-19404-23	SB-2-W	T	Water	8260B/CA_LUFT	
Analysis Batch:720-50265					
LCS 720-50265/1	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCSD 720-50265/4	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
MB 720-50265/2	Method Blank	T	Water	8260B/CA_LUFT	
720-19404-14	SB-5-W	T	Water	8260B/CA_LUFT	
Analysis Batch:720-50341					
LCS 720-50341/7	Lab Control Sample	T	Water	8260B/CA_LUFT	
MB 720-50341/6	Method Blank	T	Water	8260B/CA_LUFT	
720-19402-D-4 MS	Matrix Spike	T	Water	8260B/CA_LUFT	
720-19402-D-4 MSD	Matrix Spike Duplicate	T	Water	8260B/CA_LUFT	
720-19404-37	SB-6-W	T	Water	8260B/CA_LUFT	
Analysis Batch:720-50348					
LCS 720-50348/4	Lab Control Sample	T	Water	8260B/CA_LUFT	
MB 720-50348/3	Method Blank	T	Water	8260B/CA_LUFT	
720-19404-34	SB-7-W	T	Water	8260B/CA_LUFT	
720-19404-38	SB-8W	T	Water	8260B/CA_LUFT	

TestAmerica San Francisco

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-50355					
LCS 720-50355/1	Lab Control Sample	T	Water	8260B/CA_LUFT	
MB 720-50355/2	Method Blank	T	Water	8260B/CA_LUFT	
720-19404-4	SB-1-W	T	Water	8260B/CA_LUFT	
720-19447-A-3 MS	Matrix Spike	T	Water	8260B/CA_LUFT	
720-19447-A-3 MSD	Matrix Spike Duplicate	T	Water	8260B/CA_LUFT	
Analysis Batch:720-50367					
LCS 720-50367/1	Lab Control Sample	T	Water	8260B/CA_LUFT	
MB 720-50367/2	Method Blank	T	Water	8260B/CA_LUFT	
720-19404-9	SB-4-W	T	Water	8260B/CA_LUFT	
720-19404-19	SB-3-W	T	Water	8260B/CA_LUFT	
720-19404-23	SB-2-W	T	Water	8260B/CA_LUFT	
Analysis Batch:720-50380					
LCS 720-50380/2	Lab Control Sample	T	Water	8260B/CA_LUFT	
MB 720-50380/3	Method Blank	T	Water	8260B/CA_LUFT	
720-19404-14	SB-5-W	T	Water	8260B/CA_LUFT	

Report Basis

T = Total

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 720-49324					
LCS 720-49324/2-A	Lab Control Sample	A	Water	3510C SGC	
LCS 720-49324/3-A	Lab Control Sample Duplicate	A	Water	3510C SGC	
MB 720-49324/1-A	Method Blank	A	Water	3510C SGC	
720-19404-4	SB-1-W	A	Water	3510C SGC	
720-19404-9	SB-4-W	A	Water	3510C SGC	
720-19404-14	SB-5-W	A	Water	3510C SGC	
720-19404-19	SB-3-W	A	Water	3510C SGC	
720-19404-23	SB-2-W	A	Water	3510C SGC	
720-19404-34	SB-7-W	A	Water	3510C SGC	
720-19404-37	SB-6-W	A	Water	3510C SGC	
Prep Batch: 720-49381					
LCS 720-49381/2-A	Lab Control Sample	A	Solid	3550B	
MB 720-49381/1-A	Method Blank	A	Solid	3550B	
720-19404-1	SB-1-4'	A	Solid	3550B	
720-19404-2	SB-1-8'	A	Solid	3550B	
720-19404-3	SB-1-8.5'	A	Solid	3550B	
720-19404-5	SB-4-4.5'	A	Solid	3550B	
720-19404-6	SB-4-6.5'	A	Solid	3550B	
720-19404-7	SB-4-8.5'	A	Solid	3550B	
720-19404-8	SB-4-12'	A	Solid	3550B	
720-19404-10	SB-5-5'	A	Solid	3550B	
720-19404-11	SB-5-6.5'	A	Solid	3550B	
720-19404-12	SB-5-8.5'	A	Solid	3550B	
720-19404-13	SB-5-12'	A	Solid	3550B	
720-19404-15	SB-3-5'	A	Solid	3550B	
720-19404-16	SB-3-8'	A	Solid	3550B	
720-19404-17	SB-3-9'	A	Solid	3550B	
720-19404-18	SB-3-12'	A	Solid	3550B	
720-19404-20	SB-2-5'	A	Solid	3550B	
720-19404-21	SB-2-8'	A	Solid	3550B	
720-19404-22	SB-2-12'	A	Solid	3550B	
720-19404-24	SB-8-5'	A	Solid	3550B	
720-19404-29	SB-7-5'	A	Solid	3550B	
720-19404-29MS	Matrix Spike	A	Solid	3550B	
720-19404-29MSD	Matrix Spike Duplicate	A	Solid	3550B	

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 720-49387					
LCS 720-49387/2-A	Lab Control Sample	A	Solid	3550B	
MB 720-49387/1-A	Method Blank	A	Solid	3550B	
720-19404-25	SB-8-7.5'	A	Solid	3550B	
720-19404-26	SB-8-12'	A	Solid	3550B	
720-19404-27	SB-8-17'	A	Solid	3550B	
720-19404-30	SB-7-8'	A	Solid	3550B	
720-19404-31	SB-7-12'	A	Solid	3550B	
720-19404-32	SB-7-16'	A	Solid	3550B	
720-19404-35	SB-6-5'	A	Solid	3550B	
720-19404-35MS	Matrix Spike	A	Solid	3550B	
720-19404-35MSD	Matrix Spike Duplicate	A	Solid	3550B	
720-19404-36	SB-6-6.5'	A	Solid	3550B	
Analysis Batch:720-49462					
LCS 720-49324/2-A	Lab Control Sample	A	Water	8015B	720-49324
LCSD 720-49324/3-A	Lab Control Sample Duplicate	A	Water	8015B	720-49324
MB 720-49324/1-A	Method Blank	A	Water	8015B	720-49324
720-19404-4	SB-1-W	A	Water	8015B	720-49324
720-19404-9	SB-4-W	A	Water	8015B	720-49324
720-19404-14	SB-5-W	A	Water	8015B	720-49324
720-19404-19	SB-3-W	A	Water	8015B	720-49324
720-19404-23	SB-2-W	A	Water	8015B	720-49324
720-19404-34	SB-7-W	A	Water	8015B	720-49324
720-19404-37	SB-6-W	A	Water	8015B	720-49324

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:720-49618					
LCS 720-49381/2-A	Lab Control Sample	A	Solid	8015B	720-49381
MB 720-49381/1-A	Method Blank	A	Solid	8015B	720-49381
720-19404-1	SB-1-4'	A	Solid	8015B	720-49381
720-19404-2	SB-1-8'	A	Solid	8015B	720-49381
720-19404-3	SB-1-8.5'	A	Solid	8015B	720-49381
720-19404-5	SB-4-4.5'	A	Solid	8015B	720-49381
720-19404-6	SB-4-6.5'	A	Solid	8015B	720-49381
720-19404-7	SB-4-8.5'	A	Solid	8015B	720-49381
720-19404-8	SB-4-12'	A	Solid	8015B	720-49381
720-19404-10	SB-5-5'	A	Solid	8015B	720-49381
720-19404-11	SB-5-6.5'	A	Solid	8015B	720-49381
720-19404-12	SB-5-8.5'	A	Solid	8015B	720-49381
720-19404-13	SB-5-12'	A	Solid	8015B	720-49381
720-19404-15	SB-3-5'	A	Solid	8015B	720-49381
720-19404-16	SB-3-8'	A	Solid	8015B	720-49381
720-19404-17	SB-3-9'	A	Solid	8015B	720-49381
720-19404-18	SB-3-12'	A	Solid	8015B	720-49381
720-19404-20	SB-2-5'	A	Solid	8015B	720-49381
720-19404-21	SB-2-8'	A	Solid	8015B	720-49381
720-19404-22	SB-2-12'	A	Solid	8015B	720-49381
720-19404-24	SB-8-5'	A	Solid	8015B	720-49381
720-19404-29	SB-7-5'	A	Solid	8015B	720-49381
720-19404-29MS	Matrix Spike	A	Solid	8015B	720-49381
720-19404-29MSD	Matrix Spike Duplicate	A	Solid	8015B	720-49381
Analysis Batch:720-49666					
LCS 720-49387/2-A	Lab Control Sample	A	Solid	8015B	720-49387
MB 720-49387/1-A	Method Blank	A	Solid	8015B	720-49387
720-19404-25	SB-8-7.5'	A	Solid	8015B	720-49387
720-19404-26	SB-8-12'	A	Solid	8015B	720-49387
720-19404-27	SB-8-17'	A	Solid	8015B	720-49387
720-19404-30	SB-7-8'	A	Solid	8015B	720-49387
720-19404-31	SB-7-12'	A	Solid	8015B	720-49387
720-19404-32	SB-7-16'	A	Solid	8015B	720-49387
720-19404-35	SB-6-5'	A	Solid	8015B	720-49387
720-19404-35MS	Matrix Spike	A	Solid	8015B	720-49387
720-19404-35MSD	Matrix Spike Duplicate	A	Solid	8015B	720-49387
720-19404-36	SB-6-6.5'	A	Solid	8015B	720-49387

Report Basis

A = Silica Gel Cleanup

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Method Blank - Batch: 720-49421

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-49421/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/29/2009 1148
Date Prepared: 04/29/2009 1000

Analysis Batch: 720-49469
Prep Batch: 720-49421
Units: ug/Kg

Instrument ID: Agilent 75MSD
Lab File ID: 042909005.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		5.0
Chlorobenzene	ND		5.0
1,1-Dichloroethene	ND		5.0
Naphthalene	ND		10
Toluene	ND		5.0
Trichloroethene	ND		5.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	99	52 - 128
1,2-Dichloroethane-d4 (Surr)	95	67 - 110
Toluene-d8 (Surr)	87	58 - 109

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-49421**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-49421/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/29/2009 1057
Date Prepared: 04/29/2009 1000

Analysis Batch: 720-49469
Prep Batch: 720-49421
Units: ug/Kg

Instrument ID: Agilent 75MSD
Lab File ID: 042909003.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-49421/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/29/2009 1122
Date Prepared: 04/29/2009 1000

Analysis Batch: 720-49469
Prep Batch: 720-49421
Units: ug/Kg

Instrument ID: Agilent 75MSD
Lab File ID: 042909004.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	89	90	80 - 109	2	20		
Chlorobenzene	87	90	81 - 114	4	20		
1,1-Dichloroethene	85	87	66 - 131	2	20		
Toluene	88	91	79 - 110	3	20		
Trichloroethene	83	88	75 - 114	5	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	97		102		52 - 128		
1,2-Dichloroethane-d4 (Surr)	85		90		67 - 110		
Toluene-d8 (Surr)	90		95		58 - 109		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-49421**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 720-19461-A-1-B MS Analysis Batch: 720-49469
Client Matrix: Solid Prep Batch: 720-49421
Dilution: 1.0
Date Analyzed: 04/29/2009 1816
Date Prepared: 04/29/2009 1000

Instrument ID: Agilent 75MSD
Lab File ID: 042909020.D
Initial Weight/Volume: 5.30 g
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-19461-A-1-C MSD Analysis Batch: 720-49469
Client Matrix: Solid Prep Batch: 720-49421
Dilution: 1.0
Date Analyzed: 04/29/2009 1841
Date Prepared: 04/29/2009 1000

Instrument ID: Agilent 75MSD
Lab File ID: 042909021.D
Initial Weight/Volume: 5.13 g
Final Weight/Volume: 10 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	81	85	73 - 116	8	20		
Chlorobenzene	76	81	70 - 118	10	20		
1,1-Dichloroethene	74	78	68 - 138	8	20		
Toluene	77	83	68 - 117	11	20		
Trichloroethene	77	86	60 - 126	13	20		
Surrogate		MS % Rec	MSD % Rec			Acceptance Limits	
4-Bromofluorobenzene		108	109			52 - 128	
1,2-Dichloroethane-d4 (Surr)		82	83			67 - 110	
Toluene-d8 (Surr)		83	85			58 - 109	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Method Blank - Batch: 720-49476

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-49476/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/30/2009 1016
Date Prepared: 04/30/2009 1016

Analysis Batch: 720-49476
Prep Batch: N/A
Units: ug/L

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 04300907.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Chlorobenzene	ND		0.50
1,1-Dichloroethene	ND		0.50
Naphthalene	ND		1.0
Toluene	ND		0.50
Trichloroethene	ND		0.50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	98	67 - 133
1,2-Dichloroethane-d4 (Surr)	113	72 - 125
Toluene-d8 (Surr)	98	82 - 120

Lab Control Sample - Batch: 720-49476

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 720-49476/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/30/2009 0840
Date Prepared: 04/30/2009 0840

Analysis Batch: 720-49476
Prep Batch: N/A
Units: ug/L

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 04300904.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	10.0	9.50	95	70 - 130	
Chlorobenzene	10.0	10.2	102	70 - 130	
1,1-Dichloroethene	10.0	10.0	100	70 - 130	
Toluene	10.0	9.93	99	70 - 130	
Trichloroethene	10.0	10.7	107	70 - 130	

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	100	67 - 133
1,2-Dichloroethane-d4 (Surr)	106	72 - 125
Toluene-d8 (Surr)	100	82 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Method Blank - Batch: 720-49494

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-49494/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/30/2009 1455
Date Prepared: 04/30/2009 1200

Analysis Batch: 720-49506
Prep Batch: 720-49494
Units: ug/Kg

Instrument ID: Agilent 75MSD
Lab File ID: 043009012.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		5.0
Chlorobenzene	ND		5.0
1,1-Dichloroethene	ND		5.0
Naphthalene	ND		10
Toluene	ND		5.0
Trichloroethene	ND		5.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	105	52 - 128
1,2-Dichloroethane-d4 (Surr)	89	67 - 110
Toluene-d8 (Surr)	87	58 - 109

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-49494**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-49494/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/30/2009 1404
Date Prepared: 04/30/2009 1200

Analysis Batch: 720-49506
Prep Batch: 720-49494
Units: ug/Kg

Instrument ID: Agilent 75MSD
Lab File ID: 043009010.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-49494/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/30/2009 1430
Date Prepared: 04/30/2009 1200

Analysis Batch: 720-49506
Prep Batch: 720-49494
Units: ug/Kg

Instrument ID: Agilent 75MSD
Lab File ID: 043009011.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	92	87	80 - 109	5	20		
Chlorobenzene	92	88	81 - 114	5	20		
1,1-Dichloroethene	87	81	66 - 131	7	20		
Toluene	92	88	79 - 110	5	20		
Trichloroethene	92	87	75 - 114	6	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	111		104		52 - 128		
1,2-Dichloroethane-d4 (Surr)	91		85		67 - 110		
Toluene-d8 (Surr)	96		89		58 - 109		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-49494**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 720-19404-20
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/30/2009 2255
Date Prepared: 04/30/2009 1200

Analysis Batch: 720-49506
Prep Batch: 720-49494

Instrument ID: Agilent 75MSD
Lab File ID: 043009031.D
Initial Weight/Volume: 5.00 g
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-19404-20
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/30/2009 2321
Date Prepared: 04/30/2009 1200

Analysis Batch: 720-49506
Prep Batch: 720-49494

Instrument ID: Agilent 75MSD
Lab File ID: 043009032.D
Initial Weight/Volume: 5.11 g
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	85	80	73 - 116	8	20		
Chlorobenzene	75	73	70 - 118	4	20		
1,1-Dichloroethene	77	73	68 - 138	7	20		
Toluene	77	76	68 - 117	4	20		
Trichloroethene	80	78	60 - 126	5	20		
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	93		89		52 - 128		
1,2-Dichloroethane-d4 (Surr)	80		80		67 - 110		
Toluene-d8 (Surr)	80		78		58 - 109		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Method Blank - Batch: 720-49544

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-49544/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 05/01/2009 1353
Date Prepared: 05/01/2009 1200

Analysis Batch: 720-49622
Prep Batch: 720-49544
Units: ug/Kg

Instrument ID: Agilent 75MSD
Lab File ID: 050109009.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		5.0
Chlorobenzene	ND		5.0
1,1-Dichloroethene	ND		5.0
Naphthalene	ND		10
Toluene	ND		5.0
Trichloroethene	ND		5.0
Surrogate	% Rec	Acceptance Limits	
4-Bromofluorobenzene	113	52 - 128	
1,2-Dichloroethane-d4 (Surr)	99	67 - 110	
Toluene-d8 (Surr)	95	58 - 109	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-49544**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-49544/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 05/01/2009 1302
Date Prepared: 05/01/2009 1200

Analysis Batch: 720-49622
Prep Batch: 720-49544
Units: ug/Kg

Instrument ID: Agilent 75MSD
Lab File ID: 050109007.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-49544/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 05/01/2009 1327
Date Prepared: 05/01/2009 1200

Analysis Batch: 720-49622
Prep Batch: 720-49544
Units: ug/Kg

Instrument ID: Agilent 75MSD
Lab File ID: 050109008.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	95	92	80 - 109	3	20		
Chlorobenzene	95	94	81 - 114	1	20		
1,1-Dichloroethene	91	87	66 - 131	4	20		
Toluene	95	92	79 - 110	4	20		
Trichloroethene	93	90	75 - 114	3	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	106		104		52 - 128		
1,2-Dichloroethane-d4 (Surr)	90		87		67 - 110		
Toluene-d8 (Surr)	92		90		58 - 109		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-49544**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 720-19404-27
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 05/01/2009 1600
Date Prepared: 05/01/2009 1200

Analysis Batch: 720-49622
Prep Batch: 720-49544

Instrument ID: Agilent 75MSD
Lab File ID: 050109014.D
Initial Weight/Volume: 5.35 g
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-19404-27
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 05/01/2009 1625
Date Prepared: 05/01/2009 1200

Analysis Batch: 720-49622
Prep Batch: 720-49544

Instrument ID: Agilent 75MSD
Lab File ID: 050109015.D
Initial Weight/Volume: 5.04 g
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	95	88	73 - 116	1	20		
Chlorobenzene	93	88	70 - 118	1	20		
1,1-Dichloroethene	91	85	68 - 138	1	20		
Toluene	94	88	68 - 117	1	20		
Trichloroethene	99	95	60 - 126	2	20		
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	113		111		52 - 128		
1,2-Dichloroethane-d4 (Surr)	87		89		67 - 110		
Toluene-d8 (Surr)	96		94		58 - 109		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Method Blank - Batch: 720-49835

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-49835/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/29/2009 2204
Date Prepared: 04/29/2009 2204

Analysis Batch: 720-49835
Prep Batch: N/A
Units: ug/L

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 04290929.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Chlorobenzene	ND		0.50
1,1-Dichloroethene	ND		0.50
Naphthalene	ND		1.0
Toluene	ND		0.50
Trichloroethene	ND		0.50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	98	74 - 131
1,2-Dichloroethane-d4 (Surr)	110	72 - 125
Toluene-d8 (Surr)	97	82 - 120

Lab Control Sample - Batch: 720-49835

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 720-49835/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/29/2009 2029
Date Prepared: 04/29/2009 2029

Analysis Batch: 720-49835
Prep Batch: N/A
Units: ug/L

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 04290926.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	10.0	9.77	98	70 - 130	
Chlorobenzene	10.0	10.6	106	70 - 130	
1,1-Dichloroethene	10.0	10.1	101	70 - 130	
Toluene	10.0	10.0	100	70 - 130	
Trichloroethene	10.0	11.0	110	70 - 130	

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	104	74 - 131
1,2-Dichloroethane-d4 (Surr)	112	72 - 125
Toluene-d8 (Surr)	101	82 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-49835**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 720-19380-A-11 MS Analysis Batch: 720-49835
 Client Matrix: Water Prep Batch: N/A
 Dilution: 1.0
 Date Analyzed: 04/29/2009 2308
 Date Prepared: 04/29/2009 2308

Instrument ID: Chemstation 3.0 on 95PC
 Lab File ID: 04290931.D
 Initial Weight/Volume: 10 mL
 Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-19380-A-11 MSD Analysis Batch: 720-49835
 Client Matrix: Water Prep Batch: N/A
 Dilution: 1.0
 Date Analyzed: 04/29/2009 2339
 Date Prepared: 04/29/2009 2339

Instrument ID: Chemstation 3.0 on 95PC
 Lab File ID: 04290932.D
 Initial Weight/Volume: 10 mL
 Final Weight/Volume: 10 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	96	95	70 - 130	1	20		
Chlorobenzene	104	105	70 - 130	1	20		
1,1-Dichloroethene	94	96	70 - 130	2	20		
Toluene	99	99	70 - 130	0	20		
Trichloroethene	97	94	70 - 130	1	20		
Surrogate		MS % Rec	MSD % Rec			Acceptance Limits	
4-Bromofluorobenzene		102	104			74 - 131	
1,2-Dichloroethane-d4 (Surr)		110	114			72 - 125	
Toluene-d8 (Surr)		101	102			82 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Method Blank - Batch: 720-49966

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-49966/7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/28/2009 2158
Date Prepared: 04/28/2009 2158

Analysis Batch: 720-49966
Prep Batch: N/A
Units: ug/L

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 04280924.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Chlorobenzene	ND		0.50
1,1-Dichloroethene	ND		0.50
Naphthalene	ND		1.0
Toluene	ND		0.50
Surrogate	% Rec	Acceptance Limits	
4-Bromofluorobenzene	94	74 - 131	
1,2-Dichloroethane-d4 (Surr)	109	72 - 125	
Toluene-d8 (Surr)	98	82 - 120	

Lab Control Sample - Batch: 720-49966

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 720-49966/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/28/2009 2022
Date Prepared: 04/28/2009 2022

Analysis Batch: 720-49966
Prep Batch: N/A
Units: ug/L

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 04280921.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	10.0	9.44	94	70 - 130	
Chlorobenzene	10.0	10.4	104	70 - 130	
1,1-Dichloroethene	10.0	9.57	96	70 - 130	
Toluene	10.0	9.75	98	70 - 130	
Surrogate		% Rec	Acceptance Limits		
4-Bromofluorobenzene		105	74 - 131		
1,2-Dichloroethane-d4 (Surr)		111	72 - 125		
Toluene-d8 (Surr)		100	82 - 120		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-49966**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 720-19447-A-3 MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/28/2009 2302
Date Prepared: 04/28/2009 2302

Analysis Batch: 720-49966
Prep Batch: N/A

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 04280926.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-19447-A-3 MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/28/2009 2333
Date Prepared: 04/28/2009 2333

Analysis Batch: 720-49966
Prep Batch: N/A

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 04280927.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	97	98	70 - 130	2	20		
Chlorobenzene	106	105	70 - 130	1	20		
1,1-Dichloroethene	96	100	70 - 130	3	20		
Toluene	101	101	70 - 130	0	20		
Surrogate		MS % Rec	MSD % Rec			Acceptance Limits	
4-Bromofluorobenzene		105	103			74 - 131	
1,2-Dichloroethane-d4 (Surr)		117	115			72 - 125	
Toluene-d8 (Surr)		100	99			82 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Method Blank - Batch: 720-49968

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-49968/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/04/2009 1029
Date Prepared: 05/04/2009 1029

Analysis Batch: 720-49968
Prep Batch: N/A
Units: ug/L

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 05040907.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Chlorobenzene	ND		0.50
1,1-Dichloroethene	ND		0.50
Naphthalene	ND		1.0
Toluene	ND		0.50
Trichloroethene	ND		0.50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	94	67 - 133
1,2-Dichloroethane-d4 (Surr)	102	72 - 125
Toluene-d8 (Surr)	101	82 - 120

Lab Control Sample - Batch: 720-49968

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 720-49968/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/04/2009 0854
Date Prepared: 05/04/2009 0854

Analysis Batch: 720-49968
Prep Batch: N/A
Units: ug/L

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 05040904.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	10.0	10.2	102	70 - 130	
Chlorobenzene	10.0	10.0	100	70 - 130	
1,1-Dichloroethene	10.0	9.05	90	70 - 130	
Toluene	10.0	10.3	103	70 - 130	
Trichloroethene	10.0	10.6	106	70 - 130	

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	97	67 - 133
1,2-Dichloroethane-d4 (Surr)	97	72 - 125
Toluene-d8 (Surr)	101	82 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-49968**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 720-19402-D-4 MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/04/2009 1133
Date Prepared: 05/04/2009 1133

Analysis Batch: 720-49968
Prep Batch: N/A

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 05040909.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-19402-D-4 MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/04/2009 1205
Date Prepared: 05/04/2009 1205

Analysis Batch: 720-49968
Prep Batch: N/A

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 05040910.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	104	103	70 - 130	1	20		
Chlorobenzene	104	103	70 - 130	1	20		
1,1-Dichloroethene	93	90	70 - 130	3	20		
Toluene	103	104	70 - 130	1	20		
Trichloroethene	110	110	70 - 130	1	20		
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	105		105		67 - 133		
1,2-Dichloroethane-d4 (Surr)	110		108		72 - 125		
Toluene-d8 (Surr)	110		108		82 - 120		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Method Blank - Batch: 720-50019

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-50019/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/05/2009 2206
Date Prepared: 05/05/2009 2206

Analysis Batch: 720-50019
Prep Batch: N/A
Units: ug/L

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 05050928.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Chlorobenzene	ND		0.50
1,1-Dichloroethene	ND		0.50
Naphthalene	ND		1.0
Toluene	ND		0.50
Trichloroethene	ND		0.50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	94	74 - 131
1,2-Dichloroethane-d4 (Surr)	114	72 - 125
Toluene-d8 (Surr)	101	82 - 120

Lab Control Sample - Batch: 720-50019

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 720-50019/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/05/2009 2031
Date Prepared: 05/05/2009 2031

Analysis Batch: 720-50019
Prep Batch: N/A
Units: ug/L

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 05050925.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	10.0	9.91	99	70 - 130	
Chlorobenzene	10.0	9.90	99	70 - 130	
1,1-Dichloroethene	10.0	9.21	92	70 - 130	
Toluene	10.0	9.97	100	70 - 130	
Trichloroethene	10.0	10.8	108	70 - 130	

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	104	74 - 131
1,2-Dichloroethane-d4 (Surr)	114	72 - 125
Toluene-d8 (Surr)	103	82 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-50019**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 720-19488-A-4 MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/06/2009 0013
Date Prepared: 05/06/2009 0013

Analysis Batch: 720-50019
Prep Batch: N/A

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 05050932.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-19488-A-4 MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/06/2009 0045
Date Prepared: 05/06/2009 0045

Analysis Batch: 720-50019
Prep Batch: N/A

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 05050933.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	101	100	70 - 130	1	20		
Chlorobenzene	103	101	70 - 130	3	20		
1,1-Dichloroethene	100	98	70 - 130	2	20		
Toluene	101	99	70 - 130	2	20		
Trichloroethene	110	108	70 - 130	2	20		
Surrogate		MS % Rec	MSD % Rec			Acceptance Limits	
4-Bromofluorobenzene		103	103			74 - 131	
1,2-Dichloroethane-d4 (Surr)		108	114			72 - 125	
Toluene-d8 (Surr)		103	102			82 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Method Blank - Batch: 720-49457

Method: 8260B/CA_LUFTMS Preparation: 5030B

Lab Sample ID: MB 720-49457/1-A
Client Matrix: Solid
Dilution: 200
Date Analyzed: 04/30/2009 0956
Date Prepared: 04/30/2009 0800

Analysis Batch: 720-49456
Prep Batch: 720-49457
Units: mg/Kg

Instrument ID: Varian 3900A
Lab File ID: e:\data\2009\200904\04300
Initial Weight/Volume: 5.0 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50
Toluene	ND		1.0
Xylenes, Total	ND		2.0
MTBE	ND		1.0
Ethylene Dibromide	ND		1.0
1,2-Dichloroethane	ND		1.0
Ethylbenzene	ND		1.0
Surrogate	% Rec	Acceptance Limits	
1,2-Dichloroethane-d4 (Surr)	97	70 - 130	
Toluene-d8 (Surr)	102	70 - 130	
1,4-Difluorobenzene			

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-49457**

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-49457/2-A
Client Matrix: Solid
Dilution: 200
Date Analyzed: 04/30/2009 1019
Date Prepared: 04/30/2009 0800

Analysis Batch: 720-49456
Prep Batch: 720-49457
Units: mg/Kg

Instrument ID: Varian 3900A
Lab File ID: e:\data\2009\200904\043009
Initial Weight/Volume: 5.0 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-49457/3-A
Client Matrix: Solid
Dilution: 200
Date Analyzed: 04/30/2009 1043
Date Prepared: 04/30/2009 0800

Analysis Batch: 720-49456
Prep Batch: 720-49457
Units: mg/Kg

Instrument ID: Varian 3900A
Lab File ID: e:\data\2009\200904\043009
Initial Weight/Volume: 5.0 g
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	88	86	74 - 121	2	20		
Toluene	90	94	86 - 121	4	20		
MTBE	87	93	84 - 127	7	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	74		101		70 - 130		
Toluene-d8 (Surr)	99		108		70 - 130		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Method Blank - Batch: 720-49670

Method: 8260B/CA_LUFTMS
Preparation: 5030B

Lab Sample ID: MB 720-49670/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 05/01/2009 1742
Date Prepared: 05/01/2009 0800

Analysis Batch: 720-49668
Prep Batch: 720-49670
Units: mg/Kg

Instrument ID: Varian 3900A
Lab File ID: e:\data\2009\200905\05010
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.0050
Gasoline Range Organics (GRO)-C5-C12	ND		0.25
Toluene	ND		0.0050
Xylenes, Total	ND		0.010
Methyl tert-butyl ether	ND		0.0050
Ethylene Dibromide	ND		0.0050
1,2-Dichloroethane	ND		0.0050
Ethylbenzene	ND		0.0050
Surrogate	% Rec		Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93		54 - 134
Toluene-d8 (Surr)	98		74 - 118

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-49670**

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-49670/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 05/01/2009 1817
Date Prepared: 05/01/2009 0800

Analysis Batch: 720-49668
Prep Batch: 720-49670
Units: mg/Kg

Instrument ID: Varian 3900A
Lab File ID: e:\data\2009\200905\050109
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-49670/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 05/01/2009 1840
Date Prepared: 05/01/2009 0800

Analysis Batch: 720-49668
Prep Batch: 720-49670
Units: mg/Kg

Instrument ID: Varian 3900A
Lab File ID: e:\data\2009\200905\050109
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	94	95	65 - 121	1	20		
Gasoline Range Organics (GRO)-C5-C12	70	63	42 - 99	11	20		
Toluene	80	78	59 - 113	2	20		
Methyl tert-butyl ether	97	91	53 - 134	7	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	93		97		54 - 134		
Toluene-d8 (Surr)	99		97		74 - 118		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-49670**

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

MS Lab Sample ID: 720-19450-B-1-B MS Analysis Batch: 720-49668
Client Matrix: Solid Prep Batch: 720-49670
Dilution: 1.0
Date Analyzed: 05/01/2009 2049
Date Prepared: 05/01/2009 0800

Instrument ID: Varian 3900A
Lab File ID: e:\data\2009\200905\05010
Initial Weight/Volume: 5.08 g
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-19450-B-1-C MSD Analysis Batch: 720-49668
Client Matrix: Solid Prep Batch: 720-49670
Dilution: 1.0
Date Analyzed: 05/01/2009 2111
Date Prepared: 05/01/2009 0800

Instrument ID: Varian 3900A
Lab File ID: e:\data\2009\200905\05010
Initial Weight/Volume: 5.37 g
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	92	86	56 - 132	12	20		
Gasoline Range Organics (GRO)-C5-C12	59	28	12 - 108	40	20		F
Toluene	58	56	48 - 103	9	20		
Methyl tert-butyl ether	111	93	34 - 156	24	20		F
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
1,2-Dichloroethane-d4 (Surr)	117		120	54 - 134			
Toluene-d8 (Surr)	81		80	74 - 118			

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Method Blank - Batch: 720-49686

Method: 8260B/CA_LUFTMS Preparation: 5030B

Lab Sample ID: MB 720-49686/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 05/01/2009 0930
Date Prepared: 05/01/2009 0800

Analysis Batch: 720-49535
Prep Batch: 720-49686
Units: mg/Kg

Instrument ID: Saturn 2100
Lab File ID: d:\data\200905\050109\mb
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.0050
Gasoline Range Organics (GRO)-C5-C12	ND		0.25
Toluene	ND		0.0050
Xylenes, Total	ND		0.010
Methyl tert-butyl ether	ND		0.0050
Ethylene Dibromide	ND		0.0050
1,2-Dichloroethane	ND		0.0050
Ethylbenzene	ND		0.0050
Surrogate	% Rec	Acceptance Limits	
1,2-Dichloroethane-d4 (Surr)	105	54 - 134	
Toluene-d8 (Surr)	107	74 - 118	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-49686**

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-49686/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 05/01/2009 1310
Date Prepared: 05/01/2009 0800

Analysis Batch: 720-49535
Prep Batch: 720-49686
Units: mg/Kg

Instrument ID: Saturn 2100
Lab File ID: d:\data\200905\050109\ls-s
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-49686/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 05/01/2009 1338
Date Prepared: 05/01/2009 0800

Analysis Batch: 720-49535
Prep Batch: 720-49686
Units: mg/Kg

Instrument ID: Saturn 2100
Lab File ID: d:\data\200905\050109\ld-sc
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	90	94	65 - 121	5	20		
Gasoline Range Organics (GRO)-C5-C12	58	59	42 - 99	1	20		
Toluene	79	86	59 - 113	8	20		
Methyl tert-butyl ether	99	87	53 - 134	13	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	122		119		54 - 134		
Toluene-d8 (Surr)	106		106		74 - 118		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-49686**

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

MS Lab Sample ID: 720-19404-30
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 05/01/2009 1913
Date Prepared: 05/01/2009 0800

Analysis Batch: 720-49535
Prep Batch: 720-49686

Instrument ID: Saturn 2100
Lab File ID: d:\data\200905\050109\sa-
Initial Weight/Volume: 5.79 g
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-19404-30
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 05/01/2009 1941
Date Prepared: 05/01/2009 0800

Analysis Batch: 720-49535
Prep Batch: 720-49686

Instrument ID: Saturn 2100
Lab File ID: d:\data\200905\050109\sa-
Initial Weight/Volume: 5.38 g
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	91	91	56 - 132	7	20		
Gasoline Range Organics (GRO)-C5-C12	63	168	12 - 108	57	20		F
Toluene	69	72	48 - 103	13	20		
Methyl tert-butyl ether	69	101	34 - 156	42	20		F
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
1,2-Dichloroethane-d4 (Surr)	132		135	X	54 - 134		
Toluene-d8 (Surr)	94		98		74 - 118		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Method Blank - Batch: 720-49908

Method: 8260B/CA_LUFTMS
Preparation: 5030B

Lab Sample ID: MB 720-49908/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 05/05/2009 1058
Date Prepared: 05/05/2009 0800

Analysis Batch: 720-49904
Prep Batch: 720-49908
Units: mg/Kg

Instrument ID: Saturn 2100
Lab File ID: d:\data\200905\050509\mb
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.0050
Gasoline Range Organics (GRO)-C5-C12	ND		0.25
Toluene	ND		0.0050
Xylenes, Total	ND		0.010
Methyl tert-butyl ether	ND		0.0050
Ethylene Dibromide	ND		0.0050
1,2-Dichloroethane	ND		0.0050
Ethylbenzene	ND		0.0050
Surrogate	% Rec	Acceptance Limits	
1,2-Dichloroethane-d4 (Surr)	114	54 - 134	
Toluene-d8 (Surr)	107	74 - 118	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-49908**

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-49908/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 05/05/2009 1134
Date Prepared: 05/05/2009 0800

Analysis Batch: 720-49904
Prep Batch: 720-49908
Units: mg/Kg

Instrument ID: Saturn 2100
Lab File ID: d:\data\200905\050509\ls-s
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-49908/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 05/05/2009 1202
Date Prepared: 05/05/2009 0800

Analysis Batch: 720-49904
Prep Batch: 720-49908
Units: mg/Kg

Instrument ID: Saturn 2100
Lab File ID: d:\data\200905\050509\ld-sc
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Benzene	85	90	65 - 121	5	20		
Gasoline Range Organics (GRO)-C5-C12	51	51	42 - 99	0	20		
Toluene	72	72	59 - 113	1	20		
Methyl tert-butyl ether	88	78	53 - 134	11	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	122		115		54 - 134		
Toluene-d8 (Surr)	101		104		74 - 118		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-49908**

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

MS Lab Sample ID: 720-19536-A-1-E MS Analysis Batch: 720-49904
Client Matrix: Solid Prep Batch: 720-49908
Dilution: 1.0
Date Analyzed: 05/05/2009 1529
Date Prepared: 05/05/2009 0800

Instrument ID: Saturn 2100
Lab File ID: d:\data\200905\050509\sa-
Initial Weight/Volume: 5.06 g
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-19536-A-1-F MSD Analysis Batch: 720-49904
Client Matrix: Solid Prep Batch: 720-49908
Dilution: 1.0
Date Analyzed: 05/05/2009 1557
Date Prepared: 05/05/2009 0800

Instrument ID: Saturn 2100
Lab File ID: d:\data\200905\050509\sa-
Initial Weight/Volume: 5.51 g
Final Weight/Volume: 10 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	88	92	56 - 132	4	20		
Gasoline Range Organics (GRO)-C5-C12	47	51	12 - 108	1	20		
Toluene	73	77	48 - 103	4	20		
Methyl tert-butyl ether	95	52	34 - 156	66	20		F
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
1,2-Dichloroethane-d4 (Surr)	125		124	54 - 134			
Toluene-d8 (Surr)	100		109	74 - 118			

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Method Blank - Batch: 720-50181

Lab Sample ID: MB 720-50181/6
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 05/04/2009 1029
 Date Prepared: 05/04/2009 1029

Analysis Batch: 720-50181
 Prep Batch: N/A
 Units: ug/L

**Method: 8260B/CA_LUFTMS
 Preparation: 5030B**

Instrument ID: Chemstation 3.0 on 95PC
 Lab File ID: 05040907.D
 Initial Weight/Volume: 10 mL
 Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Gasoline Range Organics (GRO)-C5-C12	ND		50

**Lab Control Sample/
 Lab Control Sample Duplicate Recovery Report - Batch: 720-50181**

LCS Lab Sample ID: LCS 720-50181/7
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 05/04/2009 0926
 Date Prepared: 05/04/2009 0926

Analysis Batch: 720-50181
 Prep Batch: N/A
 Units: ug/L

**Method: 8260B/CA_LUFTMS
 Preparation: 5030B**

Instrument ID: Chemstation 3.0 on 95PC
 Lab File ID: 05040905.D
 Initial Weight/Volume: 10 mL
 Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-50181/8
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 05/04/2009 0958
 Date Prepared: 05/04/2009 0958

Analysis Batch: 720-50181
 Prep Batch: N/A
 Units: ug/L

Instrument ID: Chemstation 3.0 on 95PC
 Lab File ID: 05040906.D
 Initial Weight/Volume: 10 mL
 Final Weight/Volume: 10 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Gasoline Range Organics (GRO)-C5-C12	102	102	42 - 120	0	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Method Blank - Batch: 720-50195

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

Lab Sample ID: MB 720-50195/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/05/2009 2206
Date Prepared: 05/05/2009 2206

Analysis Batch: 720-50195
Prep Batch: N/A
Units: ug/L

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 05050928.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Gasoline Range Organics (GRO)-C5-C12	ND		50

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-50195**

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-50195/7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/05/2009 2102
Date Prepared: 05/05/2009 2102

Analysis Batch: 720-50195
Prep Batch: N/A
Units: ug/L

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 05050926.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-50195/8
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/05/2009 2134
Date Prepared: 05/05/2009 2134

Analysis Batch: 720-50195
Prep Batch: N/A
Units: ug/L

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 05050927.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Gasoline Range Organics (GRO)-C5-C12	106	104	42 - 120	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Method Blank - Batch: 720-50226

Lab Sample ID: MB 720-50226/2
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 04/28/2009 2158
 Date Prepared: 04/28/2009 2158

Analysis Batch: 720-50226
 Prep Batch: N/A
 Units: ug/L

**Method: 8260B/CA_LUFTMS
 Preparation: 5030B**

Instrument ID: Chemstation 3.0 on 95PC
 Lab File ID: 04280924.D
 Initial Weight/Volume: 10 mL
 Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Gasoline Range Organics (GRO)-C5-C12	ND		50

**Lab Control Sample/
 Lab Control Sample Duplicate Recovery Report - Batch: 720-50226**

LCS Lab Sample ID: LCS 720-50226/17
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 04/28/2009 2054
 Date Prepared: 04/28/2009 2054

Analysis Batch: 720-50226
 Prep Batch: N/A
 Units: ug/L

**Method: 8260B/CA_LUFTMS
 Preparation: 5030B**

Instrument ID: Chemstation 3.0 on 95PC
 Lab File ID: 04280922.D
 Initial Weight/Volume: 10 mL
 Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-50226/1
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 04/28/2009 2126
 Date Prepared: 04/28/2009 2126

Analysis Batch: 720-50226
 Prep Batch: N/A
 Units: ug/L

Instrument ID: Chemstation 3.0 on 95PC
 Lab File ID: 04280923.D
 Initial Weight/Volume: 10 mL
 Final Weight/Volume: 10 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Gasoline Range Organics (GRO)-C5-C12	91	90	42 - 120	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Method Blank - Batch: 720-50233

Lab Sample ID: MB 720-50233/3
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 04/30/2009 1016
 Date Prepared: 04/30/2009 1016

Analysis Batch: 720-50233
 Prep Batch: N/A
 Units: ug/L

**Method: 8260B/CA_LUFTMS
 Preparation: 5030B**

Instrument ID: Chemstation 3.0 on 95PC
 Lab File ID: 04300907.D
 Initial Weight/Volume: 10 mL
 Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Gasoline Range Organics (GRO)-C5-C12	ND		50

**Lab Control Sample/
 Lab Control Sample Duplicate Recovery Report - Batch: 720-50233**

LCS Lab Sample ID: LCS 720-50233/1
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 04/30/2009 0912
 Date Prepared: 04/30/2009 0912

Analysis Batch: 720-50233
 Prep Batch: N/A
 Units: ug/L

**Method: 8260B/CA_LUFTMS
 Preparation: 5030B**

Instrument ID: Chemstation 3.0 on 95PC
 Lab File ID: 04300905.D
 Initial Weight/Volume: 10 mL
 Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-50233/2
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 04/30/2009 0944
 Date Prepared: 04/30/2009 0944

Analysis Batch: 720-50233
 Prep Batch: N/A
 Units: ug/L

Instrument ID: Chemstation 3.0 on 95PC
 Lab File ID: 04300906.D
 Initial Weight/Volume: 10 mL
 Final Weight/Volume: 10 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Gasoline Range Organics (GRO)-C5-C12	91	93	42 - 120	3	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Method Blank - Batch: 720-50265

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

Lab Sample ID: MB 720-50265/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/29/2009 2204
Date Prepared: 04/29/2009 2204

Analysis Batch: 720-50265
Prep Batch: N/A
Units: ug/L

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 04290929.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Gasoline Range Organics (GRO)-C5-C12	ND		50

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-50265**

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

LCS Lab Sample ID: LCS 720-50265/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/29/2009 2100
Date Prepared: 04/29/2009 2100

Analysis Batch: 720-50265
Prep Batch: N/A
Units: ug/L

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 04290927.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-50265/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/29/2009 2132
Date Prepared: 04/29/2009 2132

Analysis Batch: 720-50265
Prep Batch: N/A
Units: ug/L

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 04290928.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Gasoline Range Organics (GRO)-C5-C12	94	92	42 - 120	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Method Blank - Batch: 720-50341

Method: 8260B/CA_LUFTMS
Preparation: 5030B

Lab Sample ID: MB 720-50341/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/04/2009 1029
Date Prepared: 05/04/2009 1029

Analysis Batch: 720-50341
Prep Batch: N/A
Units: ug/L

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 05040907.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
MTBE	ND		0.50
Ethylene Dibromide	ND		0.50
1,2-Dichloroethane	ND		0.50
Ethylbenzene	ND		0.50

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	113	67 - 130
Toluene-d8 (Surr)	98	78 - 130

Lab Control Sample - Batch: 720-50341

Method: 8260B/CA_LUFTMS
Preparation: 5030B

Lab Sample ID: LCS 720-50341/7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/04/2009 0854
Date Prepared: 05/04/2009 0854

Analysis Batch: 720-50341
Prep Batch: N/A
Units: ug/L

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 05040904.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	10.0	9.41	94	74 - 120	
Toluene	10.0	9.85	99	65 - 120	
MTBE	10.0	10.2	102	69 - 120	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108	67 - 130
Toluene-d8 (Surr)	99	78 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-50341**

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

MS Lab Sample ID: 720-19402-D-4 MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/04/2009 1133
Date Prepared: 05/04/2009 1133

Analysis Batch: 720-50341
Prep Batch: N/A

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 05040909.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-19402-D-4 MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/04/2009 1205
Date Prepared: 05/04/2009 1205

Analysis Batch: 720-50341
Prep Batch: N/A

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 05040910.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	97	95	58 - 134	1	20		
Toluene	98	98	72 - 130	0	20		
MTBE	143	141	22 - 185	1	20		
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	122		120		67 - 130		
Toluene-d8 (Surr)	107		105		78 - 130		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Method Blank - Batch: 720-50348

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

Lab Sample ID: MB 720-50348/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/05/2009 2206
Date Prepared: 05/05/2009 2206

Analysis Batch: 720-50348
Prep Batch: N/A
Units: ug/L

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 05050928.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
MTBE	ND		0.50
Ethylene Dibromide	ND		0.50
1,2-Dichloroethane	ND		0.50
Ethylbenzene	ND		0.50

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	127	67 - 130
Toluene-d8 (Surr)	99	78 - 130

Lab Control Sample - Batch: 720-50348

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

Lab Sample ID: LCS 720-50348/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/05/2009 2031
Date Prepared: 05/05/2009 2031

Analysis Batch: 720-50348
Prep Batch: N/A
Units: ug/L

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 05050925.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	10.0	9.16	92	74 - 120	
Toluene	10.0	9.40	94	65 - 120	
MTBE	10.0	10.7	107	69 - 120	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	127	67 - 130
Toluene-d8 (Surr)	100	78 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Method Blank - Batch: 720-50355

Method: 8260B/CA_LUFTMS
Preparation: 5030B

Lab Sample ID: MB 720-50355/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/28/2009 2158
Date Prepared: 04/28/2009 2158

Analysis Batch: 720-50355
Prep Batch: N/A
Units: ug/L

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 04280924.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
MTBE	ND		0.50
Ethylene Dibromide	ND		0.50
1,2-Dichloroethane	ND		0.50
Ethylbenzene	ND		0.50

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109	67 - 130
Toluene-d8 (Surr)	98	78 - 130

Lab Control Sample - Batch: 720-50355

Method: 8260B/CA_LUFTMS
Preparation: 5030B

Lab Sample ID: LCS 720-50355/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/28/2009 2022
Date Prepared: 04/28/2009 2022

Analysis Batch: 720-50355
Prep Batch: N/A
Units: ug/L

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 04280921.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	10.0	9.44	94	74 - 120	
Toluene	10.0	9.75	98	65 - 120	
MTBE	10.0	10.2	102	69 - 120	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	111	67 - 130
Toluene-d8 (Surr)	100	78 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-50355**

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

MS Lab Sample ID: 720-19447-A-3 MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/28/2009 2302
Date Prepared: 04/28/2009 2302

Analysis Batch: 720-50355
Prep Batch: N/A

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 04280926.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-19447-A-3 MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/28/2009 2333
Date Prepared: 04/28/2009 2333

Analysis Batch: 720-50355
Prep Batch: N/A

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 04280927.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	97	98	58 - 134	2	20		
Toluene	101	101	72 - 130	0	20		
MTBE	112	110	22 - 185	2	20		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
1,2-Dichloroethane-d4 (Surr)	117		115	67 - 130			
Toluene-d8 (Surr)	100		99	78 - 130			

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Method Blank - Batch: 720-50367

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

Lab Sample ID: MB 720-50367/2
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 04/30/2009 1016
 Date Prepared: 04/30/2009 1016

Analysis Batch: 720-50367
 Prep Batch: N/A
 Units: ug/L

Instrument ID: Chemstation 3.0 on 95PC
 Lab File ID: 04300907.D
 Initial Weight/Volume: 10 mL
 Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
MTBE	ND		0.50
Ethylene Dibromide	ND		0.50
1,2-Dichloroethane	ND		0.50
Ethylbenzene	ND		0.50

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	113	67 - 130
Toluene-d8 (Surr)	98	78 - 130

Lab Control Sample - Batch: 720-50367

**Method: 8260B/CA_LUFTMS
Preparation: 5030B**

Lab Sample ID: LCS 720-50367/1
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 04/30/2009 0840
 Date Prepared: 04/30/2009 0840

Analysis Batch: 720-50367
 Prep Batch: N/A
 Units: ug/L

Instrument ID: Chemstation 3.0 on 95PC
 Lab File ID: 04300904.D
 Initial Weight/Volume: 10 mL
 Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	10.0	9.50	95	74 - 120	
Toluene	10.0	9.93	99	65 - 120	
MTBE	10.0	10.0	100	69 - 120	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106	67 - 130
Toluene-d8 (Surr)	100	78 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Method Blank - Batch: 720-50380

Method: 8260B/CA_LUFTMS
Preparation: 5030B

Lab Sample ID: MB 720-50380/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/29/2009 2204
Date Prepared: 04/29/2009 2204

Analysis Batch: 720-50380
Prep Batch: N/A
Units: ug/L

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 04290929.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
MTBE	ND		0.50
Ethylene Dibromide	ND		0.50
1,2-Dichloroethane	ND		0.50
Ethylbenzene	ND		0.50

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	110	67 - 130
Toluene-d8 (Surr)	97	78 - 130

Lab Control Sample - Batch: 720-50380

Method: 8260B/CA_LUFTMS
Preparation: 5030B

Lab Sample ID: LCS 720-50380/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/29/2009 2029
Date Prepared: 04/29/2009 2029

Analysis Batch: 720-50380
Prep Batch: N/A
Units: ug/L

Instrument ID: Chemstation 3.0 on 95PC
Lab File ID: 04290926.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	10.0	9.77	98	74 - 120	
Toluene	10.0	10.0	100	65 - 120	
MTBE	10.0	11.2	112	69 - 120	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	112	67 - 130
Toluene-d8 (Surr)	101	78 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Method Blank - Batch: 720-49324

Lab Sample ID: MB 720-49324/1-A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 04/29/2009 1850
 Date Prepared: 04/28/2009 1225

Analysis Batch: 720-49462
 Prep Batch: 720-49324
 Units: ug/L

**Method: 8015B
 Preparation: 3510C SGC
 Silica Gel Cleanup**

Instrument ID: HP GC 7890
 Lab File ID: N/A
 Initial Weight/Volume: 500 mL
 Final Weight/Volume: 2 mL
 Injection Volume:
 Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		50
Surrogate	% Rec		Acceptance Limits
Capric Acid (Surr)	1		0 - 5
p-Terphenyl	88		31 - 150

**Lab Control Sample/
 Lab Control Sample Duplicate Recovery Report - Batch: 720-49324**

LCS Lab Sample ID: LCS 720-49324/2-A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 04/29/2009 1911
 Date Prepared: 04/28/2009 1225

Analysis Batch: 720-49462
 Prep Batch: 720-49324
 Units: ug/L

**Method: 8015B
 Preparation: 3510C SGC
 Silica Gel Cleanup**

Instrument ID: HP GC 7890
 Lab File ID: N/A
 Initial Weight/Volume: 500 mL
 Final Weight/Volume: 2 mL
 Injection Volume:
 Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-49324/3-A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 04/29/2009 1932
 Date Prepared: 04/28/2009 1225

Analysis Batch: 720-49462
 Prep Batch: 720-49324
 Units: ug/L

Instrument ID: HP GC 7890
 Lab File ID: N/A
 Initial Weight/Volume: 500 mL
 Final Weight/Volume: 2 mL
 Injection Volume:
 Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Diesel Range Organics [C10-C28]	69	87	49 - 120	24	30		
Surrogate	LCS % Rec		LCSD % Rec			Acceptance Limits	
p-Terphenyl	135		127			31 - 150	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Method Blank - Batch: 720-49381

Lab Sample ID: MB 720-49381/1-A
 Client Matrix: Solid
 Dilution: 1.0
 Date Analyzed: 04/30/2009 1216
 Date Prepared: 04/29/2009 0936

Analysis Batch: 720-49618
 Prep Batch: 720-49381
 Units: mg/Kg

**Method: 8015B
 Preparation: 3550B
 Silica Gel Cleanup**

Instrument ID: HP DRO5
 Lab File ID: N/A
 Initial Weight/Volume: 30.25 g
 Final Weight/Volume: 5 mL
 Injection Volume:
 Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		0.99
Surrogate	% Rec		Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	81		50 - 111

Lab Control Sample - Batch: 720-49381

Lab Sample ID: LCS 720-49381/2-A
 Client Matrix: Solid
 Dilution: 1.0
 Date Analyzed: 04/30/2009 1149
 Date Prepared: 04/29/2009 0936

Analysis Batch: 720-49618
 Prep Batch: 720-49381
 Units: mg/Kg

**Method: 8015B
 Preparation: 3550B
 Silica Gel Cleanup**

Instrument ID: HP DRO5
 Lab File ID: N/A
 Initial Weight/Volume: 30.17 g
 Final Weight/Volume: 5 mL
 Injection Volume:
 Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Diesel Range Organics [C10-C28]	41.4	29.6	71	45 - 103	
Surrogate		% Rec		Acceptance Limits	
p-Terphenyl		78		50 - 111	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-49381**

**Method: 8015B
Preparation: 3550B
Silica Gel Cleanup**

MS Lab Sample ID: 720-19404-29
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/30/2009 1552
Date Prepared: 04/29/2009 0936

Analysis Batch: 720-49618
Prep Batch: 720-49381

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.19 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

MSD Lab Sample ID: 720-19404-29
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/30/2009 1619
Date Prepared: 04/29/2009 0936

Analysis Batch: 720-49618
Prep Batch: 720-49381

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.41 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Diesel Range Organics [C10-C28]	36	91	50 - 130	15	30	F	
Surrogate		MS % Rec	MSD % Rec			Acceptance Limits	
p-Terphenyl		54	56			50 - 111	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Method Blank - Batch: 720-49387

Lab Sample ID: MB 720-49387/1-A
 Client Matrix: Solid
 Dilution: 1.0
 Date Analyzed: 04/30/2009 2307
 Date Prepared: 04/29/2009 1112

Analysis Batch: 720-49666
 Prep Batch: 720-49387
 Units: mg/Kg

**Method: 8015B
 Preparation: 3550B
 Silica Gel Cleanup**

Instrument ID: HP DRO5
 Lab File ID: N/A
 Initial Weight/Volume: 30.21 g
 Final Weight/Volume: 5 mL
 Injection Volume:
 Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		0.99
Surrogate	% Rec		Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	71		50 - 111

Lab Control Sample - Batch: 720-49387

Lab Sample ID: LCS 720-49387/2-A
 Client Matrix: Solid
 Dilution: 1.0
 Date Analyzed: 04/30/2009 2239
 Date Prepared: 04/29/2009 1112

Analysis Batch: 720-49666
 Prep Batch: 720-49387
 Units: mg/Kg

**Method: 8015B
 Preparation: 3550B
 Silica Gel Cleanup**

Instrument ID: HP DRO5
 Lab File ID: N/A
 Initial Weight/Volume: 30.06 g
 Final Weight/Volume: 5 mL
 Injection Volume:
 Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Diesel Range Organics [C10-C28]	41.6	27.1	65	45 - 103	
Surrogate		% Rec		Acceptance Limits	
p-Terphenyl		68		50 - 111	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-49387**

**Method: 8015B
Preparation: 3550B
Silica Gel Cleanup**

MS Lab Sample ID: 720-19404-35
Client Matrix: Solid
Dilution: 50
Date Analyzed: 05/01/2009 1327
Date Prepared: 04/29/2009 1112

Analysis Batch: 720-49666
Prep Batch: 720-49387

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.03 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

MSD Lab Sample ID: 720-19404-35
Client Matrix: Solid
Dilution: 50
Date Analyzed: 05/01/2009 1354
Date Prepared: 04/29/2009 1112

Analysis Batch: 720-49666
Prep Batch: 720-49387

Instrument ID: HP DRO5
Lab File ID: N/A
Initial Weight/Volume: 30.05 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Diesel Range Organics [C10-C28]	-5290	-2730	50 - 130	10	30	4	4
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
p-Terphenyl	0	D	0	D	50 - 111		

Calculations are performed before rounding to avoid round-off errors in calculated results.

TEST AMERICA

Test America-San Francisco
 1220 Quarry Lane, Pleasanton, CA 94566-4756
 TEL: (925) 484-1919 . FAX: (925) 600-3002

CHAIN OF CUSTODY RECORD

DATE: 4/22/09
 PAGE: 3 OF 4

1 115933

LABORATORY CLIENT Stantec Consulting			CLIENT PROJECT NAME / NUMBER PG&E LODI			P.O. NO.		
ADDRESS 57 Lafayette Circle			PROJECT CONTACT Neil Doran at (916)861-0400			QUOTE NO.		
CITY Lafayette, CA 94549			SAMPLE R/S: (SIGNATURE)			LAB USE ONLY <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
TEL: 925-299-9300	FAX: 299-9300-9302	E-MAIL: neil.doran@stantec.com						

TURNAROUND TIME
 SAME DAY 24 HR 48HR 72 HR 5 DAYS STANDARD

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
 RWQCB REPORTING ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING		Matrix	#Cont	TPH as diesel (8015M) with silica gel cleanup	TPH as gasoline (8015M)	BTEX/MTBE	Naphthalene (8260)	Ethylene dichloride (EDC)	Ethylene Dibromide (EDB)							Comments	
			DATE	TIME																
21	SB-2-8'		4/24/09	1400 ²	Soil	I	X	X	X	X	X	X								
22	SB-2-12'		↓	140 ²⁴	Soil	I														
23	SB-2-w		↓	140 ⁴⁵	H ₂ O	F														product
24	SB-8-5'		4/22/09	0840	Soil	I														
25	SB-8-7.5'			0843		I														
26	SB-8-12'			0855																
27	SB-8-17'			0840			↓	↓	↓	↓	↓	↓								
28	SB-8-20'			0901			↓	↓	↓	↓	↓	↓								
	SB-7-1'			0930	Soil	I	↓	↓	↓	↓	↓	↓								
29	SB-7-5'		↓	0950	Soil	I	X	X	X	X	X	X								

Relinquished by (Signature) <i>[Signature]</i>	Received by (Signature) <i>[Signature]</i> 1520	Date: 4/23/09	Time: 0930
Relinquished by (Signature) <i>[Signature]</i>	Received by (Signature) <i>[Signature]</i>	Date: 4-23-09	Time: 1950
Relinquished by (Signature)	Received by (Signature)	Date:	Time:

0.2, 0.5, 1.2" c

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06/02/2009

Login Sample Receipt Check List

Client: Stantec Consulting Corp.

Job Number: 720-19404-1

Login Number: 19404
Creator: Bullock, Tracy
List Number: 1

List Source: TestAmerica San Francisco

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	
There are no discrepancies between the sample IDs on the containers and the COC.	False	ncm
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

APPENDIX E
Groundwater Monitoring Field Sheets
Soil and Groundwater Investigation and Groundwater Monitoring
Report
Former Penske Truck Leasing Facility
725 Julie Ann Way
Oakland, California
PN: 185701155
September 1, 2009

WELL GAUGING DATA

Project # 090422-PMU Date 4/22/09 Client Stantec

Site 725 Julie Ann Way Oakland

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-1	1040	4		502	503		5.03	33.88	↓	7
MW-2	0959	4				5.52	29.23	1		
MW-4	1022	4				4.67	29.02	5		
MW-7	1029	4				4.58	28.38	6		
MW-8	1055	4				4.94	26.12	2		
OW-1	1009	4				4.19	14.15	3		
OW-2	1014	4				4.52	13.93	4		

WELL MONITORING DATA SHEET

Project #: <u>090422-Zml</u>	Client: <u>Shante</u>
Sampler: <u>Ru</u>	Date: <u>4/22/09</u>
Well I.D.: <u>Mw-2</u>	Well Diameter: 2 3 <u>4</u> 6 8 <u> </u>
Total Well Depth (TD): <u>29.73</u>	Depth to Water (DTW): <u>5.52</u> 23.71
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YSI</u> HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>10.26</u>	

Purge Method: <input checked="" type="checkbox"/> Bailer	Water: <input type="checkbox"/> Peristaltic	Sampling Method: <input checked="" type="checkbox"/> Bailer
<input type="checkbox"/> Disposable Bailer	<input type="checkbox"/> Extraction Pump	<input type="checkbox"/> Disposable Bailer
<input type="checkbox"/> Positive Air Displacement	Other: <u>Feeding inside well</u>	<input type="checkbox"/> Extraction Port
<input checked="" type="checkbox"/> Electric Submersible		<input type="checkbox"/> Dedicated Tubing

15.5 (Gals.) X 3 = 46.5 Gals. 1 Case Volume Specified Volumes Calculated Volume	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius ² * 0.163														

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
11:22	22.2	6.92	4181	71000	15.5	very dark
11:25	20.6	6.91	4421	856	31.0	
11:28	20.6	6.91	4571	543	46.5	

Did well dewater? Yes No Gallons actually evacuated: 46.5

Sampling Date: 4/22/09 Sampling Time: 1135 Depth to Water: 5.71

Sample I.D.: Mw-2 Laboratory: Kiff CalScience Other: TA

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: SEB COC

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	<u>Pre-purge:</u>	<u>.17</u> mg/L	<u>Post-purge:</u>	<u>.24</u> mg/L
O.R.P. (if req'd):	<u>Pre-purge:</u>	<u>143</u> mV	<u>Post-purge:</u>	<u>-12</u> mV

WELL MONITORING DATA SHEET

Project #: 090422-RM1	Client: Stanbec
Sampler: R.M.	Date: 4/22/09
Well I.D.: Mw-4	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): 29.02	Depth to Water (DTW): 4.67 24.35
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.54	

Purge Method: Bailer Waterra Sampling Method: Bailer
 Disposable Bailer Peristaltic ~~Disposable Bailer~~
 Positive Air Displacement Extraction Pump Extraction Port
 Electric Submersible Other _____ Dedicated Tubing

* 3 bailers tied together inside well obstruction at 15'

15.9 (Gals.) X 3 = 47.7 Gals.
 1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
						1st parameter
						purged 14 gallons.
15:10	21.2	6.71	12.94	752	15.9	
						* De-aerated twice
						part Fe ²⁺ = 7.

Did well dewater? Yes No Gallons actually evacuated: 20.0

Sampling Date: 4/22/09 Sampling Time: 1520 Depth to Water: 10.42

Sample I.D.: Mw-4 Laboratory: Kiff CalScience Other TA

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: SEE COC

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge: 116 mg/L	Post-purge: 56 mg/L
O.R.P. (if req'd):	Pre-purge: -67 mV	Post-purge: -68 mV

Blaine Tech Services, Inc. 1680 Rogers Ave., San Jose, CA 95112 (800) 545-7558

* De-aerated again after 20 gallons total

WELL MONITORING DATA SHEET

Project #: 090422-RW1	Client: Stanlec
Sampler: RM	Date: 4/22/09
Well I.D.: MW-7	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): 28.38	Depth to Water (DTW): 4.58 23.8
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YSI</u> HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>9.54</u>	

Purge Method: Bailer Disposable Bailer Positive Air Displacement <input checked="" type="checkbox"/> Electric Submersible Other: <u>Lubing m well</u>	Waterra Peristaltic Extraction Pump Other: _____	Sampling Method: Bailer <input checked="" type="checkbox"/> Disposable Bailer Extraction Port Dedicated Tubing Other: _____
---	---	---

15.5 (Gals.) X 3 = 46.5 Gals.
 1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1430	19.8	7.40	6734	41.8	15.5	clear
1433	19.2	7.15	6554	17.1	31.0	" "
1436	19.2	7.09	6495	9.55	46.5	" "
Post Fe ²⁺ = > 1.4 mg/L						

Did well dewater? Yes No Gallons actually evacuated: _____

Sampling Date: 4/22/09 Sampling Time: 1441 Depth to Water: 5.12

Sample I.D.: MW-7 Laboratory: Kiff CalScience Other: TA

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: SEE COC

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	<u>Pre-purge:</u>	<u>.17</u> mg/L	<u>Post-purge:</u>	<u>.19</u> mg/L
O.R.P. (if req'd):	<u>Pre-purge:</u>	<u>-37</u> mV	<u>Post-purge:</u>	<u>-98</u> mV

WELL MONITORING DATA SHEET

Project #: 090422-RM1	Client: <u>Stanbee</u>
Sampler: <u>R.M</u>	Date: <u>4/22/09</u>
Well I.D.: <u>MW-8</u>	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): <u>26.12</u>	Depth to Water (DTW): <u>4.94</u> 21.18
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YSI</u> HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>9.17</u>	

Purge Method: Bailer Waterra Sampling Method: Bailer
 Disposable Bailer Peristaltic Disposable Bailer
 Positive Air Displacement Extraction Pump Extraction Port
 Electric Submersible Other: tubing inside well Dedicated Tubing

$\frac{13.7 \text{ (Gals.)} \times 3}{\text{Specified Volumes}} = \frac{41.1}{\text{Calculated Volume}} \text{ Gals.}$	<table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius ² * 0.163														

Time	Temp (°F or °C)	pH	Cond. (mS or μS)	Turbidity (NTUs)	Gals. Removed	Observations
1210	19.0	7.26	5787	229	13.7	clear
1212	19.2	7.17	6970	446	27.4	" "
1214	19.4	7.13	7163	347	41.1	" "
						Post Fe ²⁺ ⇒ 1.2 mg/L

Did well dewater? Yes No Gallons actually evacuated: 41.1

Sampling Date: 4/22/09 Sampling Time: 1220 Depth to Water: 8.51

Sample I.D.: MW-8 Laboratory: Kiff CalScience Other: TA

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: SEE COC

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge: <u>2.72</u> mg/L	Post-purge: <u>.31</u> mg/L
O.R.P. (if req'd):	Pre-purge: <u>98</u> mV	Post-purge: <u>30</u> mV

Soil or Purge Water Drum Log

Client: Stanke

Site Address: 725 Deane Ann Way

STATUS OF DRUM(S) UPON ARRIVAL

Date	4/22/05				
Number of drum(s) empty:	3				
Number of drum(s) 1/4 full:					
Number of drum(s) 1/2 full:					
Number of drum(s) 3/4 full:					
Number of drum(s) full:	1 (soil)				
Total drum(s) on site:	4				
Are the drum(s) properly labeled?	Y				
Drum ID & Contents:	Purge H ₂ O				
If any drum(s) are partially or totally filled, what is the first use date:	—				

- If you add any SPH to an empty or partially filled drum, drum must have at least 20 gals. of Purgewater or DI Water.
- If drum contains SPH, the drum MUST be steel AND labeled with the appropriate label.
- All BTS drums MUST be labeled appropriately.

STATUS OF DRUM(S) UPON DEPARTURE

Date	4/22/05				
Number of drums empty:	—				
Number of drum(s) 1/4 full:	1				
Number of drum(s) 1/2 full:					
Number of drum(s) 3/4 full:					
Number of drum(s) full:	45 (soil)				
Total drum(s) on site:	6				
Are the drum(s) properly labeled?	Y				
Drum ID & Contents:	Purge H ₂ O				

LOCATION OF DRUM(S)

Describe location of drum(s):

FINAL STATUS

Number of new drum(s) left on site this event	2				
Date of inspection:	4/22/05				
Drum(s) labelled properly:	Y				
Logged by BTS Field Tech:	JAH				
Office reviewed by:	[Signature]				