

**ENVIRONMENTAL INVESTIGATION REPORT
CROWLEY MARINE SERVICES SITE
7400 8TH AVENUE SOUTH
SEATTLE, WASHINGTON**

Prepared for
Crowley Marine Services, Inc.
July 31, 2008

Prepared by
SLR International Corp
22122 20th Avenue SE
Bothell, Washington 98021

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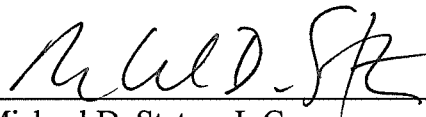
**Environmental Investigation Report
Crowley Marine Services Site
7400 8th Avenue South
Seattle, Washington**

The material and data in this report were prepared under the supervision and direction of the undersigned.

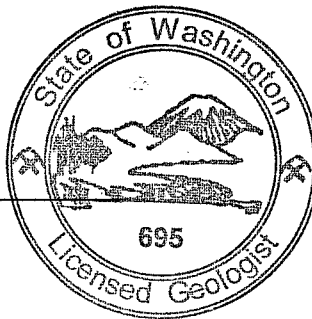


Kim Saganski, L.G.
Project Geologist

8/1/08
Date



Michael D. Staton, L.G.
Principal Geologist



MICHAEL D. STATON

8/1/08
Date

CONTENTS

LIST OF TABLES AND FIGURES	iv
1 INTRODUCTION	1-1
2 BACKGROUND	2-1
2.1 General Site Information	2-1
2.2 Site History	2-1
2.3 Previous Environmental Investigation Results	2-2
3 WELL INSTALLATION AND SAMPLING ACTIVITIES	3-1
3.1 Monitoring Well Installation and Soil Sampling	3-1
3.2 Groundwater Sampling	3-2
3.3 Seep Sampling	3-3
3.4 Surface Water Sampling	3-4
4 GROUNDWATER AND SURFACE WATER ELEVATION MONITORING	4-1
4.1 Tidal Study	4-1
4.2 Conceptual Hydrogeologic Model	4-2
5 ANALYTICAL RESULTS	5-5
5.1 Groundwater	5-5
5.2 Soil	5-6
5.3 Seep	5-6
5.4 Surface Water	5-6
6 INTERVIEWS AND SITE WALK	6-1
6.2 Site Stormwater System	6-2
7 CONCLUSIONS	7-1
LIMITATIONS	
REFERENCES	

CONTENTS (Continued)

TABLES

FIGURES

APPENDIX A SOIL BORING LOGS

APPENDIX B TIDAL STUDY DATA

APPENDIX C LABORATORY REPORTS

LIST OF TABLES AND FIGURES

Tables	Following Text
1	Maximum and Minimum Surface Water and Groundwater Elevations for the July 17 – 18 Tidal Cycle
2	Groundwater, Surface Water, and Seep Sample Analytical Results for Total Metals
3	Groundwater Sample Analytical Results for Petroleum Hydrocarbons
4	Groundwater Sample Analytical Results for VOCs
5	Groundwater Sample Analytical Results for SVOCs
6	Soil Sample Analytical Results for Metals
7	Soil Sample Analytical Results for Petroleum Hydrocarbons
8	Soil Sample Analytical Results for PCBs
9	Soil Sample Analytical Results for VOCs
10	Soil Sample Analytical Results for SVOCs
Figures	
1	Site Location Map
2	Soil Boring, Surface Water Sample, and Monitoring Well Locations
3	Cross Section Plan View and Monitoring Well Locations
4	Surface Water and Groundwater Elevations During Tidal Study
5	Geologic Cross Section A-A'
6	Inferred Groundwater and Surface Water Flow Directions During High Tide
7	Inferred Groundwater Flow Directions During Low Tide
8	Hydrogeologic Cross Section A-A' – High Tide Conditions
9	Hydrogeologic Cross Section A-A' – Low Tide Conditions
10	Site Stormwater System

1 INTRODUCTION

In June and July 2008, SLR International Corp (SLR) conducted an environmental investigation at the Crowley Marine Services, Inc. (Crowley) property (the "site") located at 7400 8th Avenue South in Seattle, Washington. The primary objective of the investigation was to evaluate the current potential for hazardous substance releases from the site to impact the sediments in Slip 4. Based on the City of Seattle's planned remediation of the sediments in the northern part of Slip 4, it is particularly important to determine if hazardous substance releases from the site could re-contaminate the sediments after the planned remedial action has been completed.

To meet this objective, the tasks completed for this investigation included the following:

- Drilled 7 soil borings near the Duwamish Waterway (including Slip 4), and completed each boring as a shallow groundwater monitoring well (designated CMW-1 through CMW7).
- Collected at least one soil sample from each boring for quantitative chemical analysis to assess the contaminant concentrations, if any, in the soil near the waterway.
- Collected up to two groundwater samples from each new groundwater monitoring well for quantitative chemical analysis to assess the contaminant concentrations, if any, in the groundwater near the waterway.
- Conducted a tidal study to develop a conceptual model of site groundwater flow, including groundwater and surface water interactions near the sheet pile seawall and riprap that borders the eastern and southern parts of the site.
- During low tide conditions, observed the seawall and riprap for seeps, and collected a sample of the only observed seep for quantitative chemical analysis. The seep sample was used to assess the contaminant concentrations in the mixed groundwater/surface water entering Slip 4.
- During low tide conditions, collected a surface water sample from Slip 4 for quantitative chemical analysis to assess surface water conditions at the time of sampling.
- During low tide conditions, observed the bank along the site to visually assess the potential for soil erosion into the waterway.
- Interviewed site tenant [Union Pacific Railroad (UPRR) and Alaska Logistics] personnel to discuss several potential contaminant pathways (stormwater discharge, direct discharge, sheet flow, and barge operations or other site

activities) from the site to the waterway, and to discuss their housekeeping and chemical/waste storage practices.

- Conducted a site walk to observe the surface drainage pathways and any evidence of spills or dumping.
- Interpreted the compiled data.

2 BACKGROUND

2.1 General Site Information

The site is located in the southern part of Seattle, Washington, along the Duwamish Waterway. The site location is shown on Figure 1. The site is located north of the Duwamish Waterway, between Slip 4 and 8th Avenue South, and to the south of South Garden Street (see Figure 2). The site address is 7400 8th Avenue South.

The site is divided into two parcels (designated D and F). Crowley owns both parcels, as well as the neighboring southwestern part of Slip 4. The site is leased to UPRR and Alaska Logistics. UPRR occupies Parcel F and the northern part of Parcel D, and uses the site for cargo storage and distribution (by trucks). Alaska Logistics occupies the southern part of Parcel D, and uses the site for cargo storage and distribution (by barges). With the exception of a localized area in the northeastern corner of Parcel F, the entire site is capped with asphalt or concrete. The southern edge of the site and the eastern edge of the site along Slip 4 are bordered with a sheet pile seawall that is approximately 1,035 feet long and extends to a depth of 43 feet below ground surface (approximately 15 feet below the bottom of Slip 4). The southwestern edge of the site consists of boulder riprap that is approximately 110 feet long and extends to the bottom of the river bank.

The site is located in an industrial area of Seattle, and is bounded to the west by 8th Avenue South and an auto body repair shop; to the north by South Garden Street, a Markey Machinery Company facility and a metals recycling facility; to the east by City of Seattle property and Slip 4; and to the south by the Duwamish Waterway. The City of Seattle property, which was purchased from Crowley in 2007, includes a narrow strip of land between Parcel F and Slip 4 that extends around the north end of Slip 4, and also includes the northern part of Slip 4. A Boeing Company facility and an Emerald Services facility are located to the east of Slip 4.

2.2 Site History

In 1904, the site was primarily undeveloped land that was adjacent to a meander of the Duwamish River (presently Slip 4). A private residence appears to have occupied the northern part of Parcel F (HartCrowser, 1989a). With the dredging of the east and west waterways prior to 1920, the Duwamish Waterway was established in its present course

and Slip 4 was isolated in its present configuration (HartCrowser, 1989b). By 1929, the southern part of Parcel D was occupied by a hydraulic equipment (including metal pipes) manufacturing company (Washington Supply Manufacturing Company), and the northern part of Parcel D was occupied by the Pankrantz Lumber Company sawmill. The southern half of Parcel F was occupied by a wood shavings manufacturing company (Washington Excelsior and Manufacturing Company), and the northern half of Parcel F was used as a log storage yard.

By 1950, the Washington Supply Manufacturing Company operation on Parcel D had added a chain manufacturing facility, and the Pankrantz Lumber Company facility was no longer present (HartCrowser, 1989b). The Puget Timber creosote treatment facility, which included wood pole and post treatment in a dip tank operation, occupied a portion of the former sawmill site on Parcel D. By 1950, the Washington Excelsior and Manufacturing Company operation on Parcel F was still present; however, the log storage yard had been replaced by a concrete plant, an aluminum window and sash manufacturer, and machinery storage and scrap iron yards. By 1981, all of the structures at the site had been demolished. By 1985, the site surface had been paved, and the seawall and pier along Slip 4 had been constructed. Since the mid-1980s, the site has been used for cargo storage and distribution. Crowley has owned the site since 1992.

2.3 Previous Environmental Investigation Results

In 1989 and 1990, several environmental investigations were conducted at the site. The investigations consisted of drilling a total of over 40 soil borings, installing groundwater monitoring wells in 12 of the borings, and collecting soil samples from the borings and groundwater samples from the wells for quantitative chemical analysis. The soil and groundwater sample analytical results showed that total petroleum hydrocarbons (TPH), polycyclic aromatic hydrocarbons (PAHs), phthalates, polychlorinated biphenyls (PCBs), and metals were present in the soil and/or groundwater (HartCrowser, 1989a; HartCrowser, 1989b; Landau Associates, 1990; and HartCrowser, 1990). It is important to note that only one of the soil borings was located within 80 feet of the Duwamish Waterway (including Slip 4), and the closest groundwater monitoring well was over 110 feet away from the waterway. The locations of the groundwater monitoring wells and the approximate locations of the soil borings are shown on Figure 2.

In 1989, an 8,000-gallon diesel underground storage tank (UST) and a 2,000-gallon gasoline UST were excavated and removed from Parcel F. Approximately 50 cubic yards of petroleum hydrocarbon-impacted soil were excavated and hauled off site for disposal (HartCrowser, 1989a). Soil samples collected from the base and sidewalls of each tank excavation only contained total xylenes concentrations of less than 1 milligram per kilogram (mg/kg). After removal of the USTs, the only potential source of subsurface

contamination at the site is minor spillage of the hazardous substances used or stored at the site.

The U.S. Environmental Protection Agency (EPA) added the Lower Duwamish Waterway (LDW), which includes Slip 4, to the federal Superfund list in September 2001. A remedial investigation is currently being conducted at the LDW Superfund site. Ecology listed the LDW on the Confirmed and Suspected Contaminated Sites List (CSCSL) in February 2002, and Slip 4 was listed on the CSCSL in April 2003. In May 2006, the EPA identified Slip 4 as an area for sediment remediation. The remediation of the sediment in Slip 4 has been delayed due to the EPA's concerns about the potential for re-contamination of the sediment.

3 WELL INSTALLATION AND SAMPLING ACTIVITIES

3.1 Monitoring Well Installation and Soil Sampling

To evaluate groundwater conditions adjacent to the Duwamish Waterway (including Slip 4), seven groundwater monitoring wells (designated CMW-1 through CMW-7) were installed at the site on June 12, 2008. The wells are located near the site boundaries along the Duwamish Waterway and Slip 4 (see Figure 2). All of the drilling and well installation activities were conducted by Cascade Drilling, Inc. (Cascade) of Woodinville, Washington, under the direction of an SLR geologist.

The well borings were drilled by using a hollow-stem auger rig. Each of the borings was advanced to depths ranging from approximately 15 to 20 feet below ground surface (bgs). During drilling, soil samples were collected at approximately 2.5-foot intervals by using a split-spoon sampler. The soil samples were screened for evidence of contamination such as visual appearance, odors, and volatile organic vapors [by using a photoionization detector (PID)]. Boring CMW-2a was drilled to approximately 14.3 feet bgs and could not be advanced further. The boring location was moved approximately 15 to the west of CMW-2a, and boring CMW-2 was drilled at this new location. Samples were only collected at 9 feet bgs and 16.5 feet bgs in boring CMW-2.

A chemical-like odor was noted in the sample collected at 10 feet bgs in boring CMW-3; however, no volatile organic vapors were detected by the PID. A slight sheen was observed in the sample collected at 9 feet bgs in boring CMW-4; however, there was no odor and no volatile organic vapors were detected by the PID. A slight chemical odor was noted in the sample collected at 7 feet bgs in boring CMW-7 and the PID reading was 8.9 parts per million. No chemical- or petroleum-like odors, staining, sheen, or volatile organic vapors were noted in the other soil samples.

Based on field screening results, the sample from each boring that contained the greatest evidence of contamination was submitted to Freidman & Bruya (F&B) of Seattle, Washington for analysis. If there is was no evidence of contamination in a boring, then the soil sample collected at a depth of approximately 5 feet (near the estimated high groundwater level) was submitted to F&B for analysis. Based on the previous investigation results and the previous site operations, each soil sample was analyzed for the following parameters:

- Diesel-range organics (DRO) and heavy oil-range organics (HO) by Ecology Method NWTPH-Dx (after silica gel cleanup)
- Gasoline-range organics (GRO) by Ecology Method NWTPH-Gx
- PCBs by EPA Method 8082
- Volatile organic compounds (VOCs; full list) by EPA Method 8260B
- RCRA-8 metals and copper by EPA Methods 200.8/1631
- PAHs by EPA Method 8270C SIM
- Semi-volatile organic compounds (SVOCs; full list) by EPA Method 8270C

The monitoring wells were constructed of 2-inch diameter schedule 40 PVC casing and 0.010-inch slotted screen. The wells were installed to depths ranging from approximately 18 to 20 feet bgs. The 15-foot-long well screens, which straddle the groundwater table, were installed with the tops of the screens at approximately 2.6 to 5 feet bgs and the bottom of the screens approximately to 17.5 to 19.8 feet bgs. Each well was completed at ground surface with a traffic-rated, flush-grade monument. Soil boring logs that include the well construction details are presented in Appendix A.

After installation, Cascade developed each of the new wells by using surging and bailing methods. A sheen and creosote-like odor were noted during the development of monitoring well CMW-2. Sheen and odors were not observed during development of the other wells. Monitoring wells CMW-1 through CMW-3 were very slow to develop due to slow recovery rates and high turbidity. The drilling soil cuttings and the well development water are currently stored on site in properly labeled 55-gallon drums, pending off-site disposal at licensed facilities. Signature Surveys of Seattle, Washington, surveyed the horizontal position of each of the new and existing wells relative to a site property corner, as well as the ground surface and top of casing elevation of each well relative to the NAVD 88 datum.

3.2 Groundwater Sampling

On June 17, 2008, during low tide conditions, SLR collected groundwater samples from the new monitoring wells to assess the current groundwater conditions near Slip 4. The wells were purged with a peristaltic pump and dedicated tubing, using low-flow methods at a rate of approximately 0.5 liters per minute. Field parameters of pH, specific conductance, and temperature were measured during purging. Groundwater samples were collected following the stabilization of the field parameters. The peristaltic pump was used to collect the sample set at each well. The groundwater samples were submitted to F&B for the following analyses:

- DRO and HO by NWTPH-Dx (after silica gel cleanup)
- GRO by NWTPH-Gx

- PCBs by EPA Method 8082
- VOCs (full list) by EPA Method 8260B
- Total and dissolved RCRA-8 metals and copper by EPA Methods 200.8 and 1631E
- PAHs by EPA Method 8270SIM
- SVOCs (full list) by EPA Method 8270C

On July 15, 2008, SLR collected groundwater samples from monitoring wells CMW-1, CMW-4, CMW-5, CMW-6, and CMW-7 to assess the impact of a lower purge rate on the total metal concentrations. The samples were collected during low tide conditions, with samples collected from CMW-4, CMW-5, CMW-6, and CMW-7 during the falling tide and from CMW-1 shortly after the tide began to rise. The wells were purged with a peristaltic pump and dedicated tubing, using low-flow methods at a lower flow rate (approximately 0.2 liters per minute) than the previous sampling event. Field parameters of pH, specific conductance, temperature, dissolved oxygen, oxidation reduction potential, and salinity were measured during purging. Groundwater samples were collected following the stabilization of the field parameters. The peristaltic pump was used to collect the sample set at each well. The samples were submitted to Fremont Analytical, Inc. (Fremont) in Seattle, Washington, for analysis of total RCRA-8 metals and copper by EPA Method 6020.

The purge water from both sampling events is temporarily stored on site in properly labeled 55-gallon drums, pending off-site disposal at a licensed facility.

3.3 Seep Sampling

On July 15, 2008, SLR personnel observed the seawall and riprap that border the site for seeps. A boat was used to access the seawall and riprap during low tide conditions. The seawall consists primarily of sheet piling, and boulder riprap is piled up along the wall. SLR observed one seep in the seawall near the southwest loading ramp (See Figure 2). The seep was flowing from an approximate 1-inch-long crack and $\frac{3}{4}$ -inch diameter hole along a weld in the sheet piling, at approximately 11.8 feet below the site ground surface (equivalent to an approximate elevation of 6.2 feet relative to the NAVD 88 datum) and approximately 17 feet west of the western edge of the southwest loading ramp. No seeps were observed in the riprap.

SLR collected a sample of the seep for quantitative chemical analysis by placing sample bottles directly beneath the flow from the seep. The sample (designated SEEP-1) was submitted to Fremont for analysis. Because the June 2008 groundwater samples from the wells located in the southern part of the site (closest the seep location) did not contain any analyte concentrations greater than the groundwater screening levels (as discussed in

Section 5), the seep sample was only analyzed for total RCRA-8 metals and copper by EPA Method 6020.

3.4 Surface Water Sampling

On July 15, 2008, SLR collected a surface water sample from Slip 4, at a location near the pier at the southern end of the site, to assess the surface water conditions at the time of the second groundwater sampling event. The sample (designated Slip4-071508) was collected at the location shown on Figure 2, during a low tide of -0.9 feet. The sample was collected by using a peristaltic pump with the intake tubing lowered to approximately 10.5 below the water surface (approximately 2.5 feet above the solid bottom of Slip 4, and approximately 1.0 foot above the soft sediment surface) by securing the tubing to a scaled 20-foot-long section of $\frac{3}{4}$ -inch-diameter PVC pipe. The sample was submitted to Fremont for analysis of total RCRA-8 metals and copper by EPA Method 6020.

4 GROUNDWATER AND SURFACE WATER ELEVATION MONITORING

4.1 Tidal Study

A tidal study was conducted in the southern portion of the site and in Slip 4 from July 15 through July 18, 2008. The goal of the study was to obtain synoptic (simultaneous) groundwater elevations and surface water elevations through at least one full tidal cycle. The study focused exclusively on the southern portion of the site because the locations of previously installed wells in this area (DMW-3 and DMW-6) allowed for effective evaluation of the interactions between the Duwamish Waterway (including Slip 4) and the groundwater beneath the site, as well as the assessment of potential boundary conditions such as the sheet pile seawall.

SLR installed a stilling well in Slip 4 at a location approximately 45 feet from the seawall (see Figure 3), and Signature Surveys surveyed the top of casing elevation of the stilling well relative to the NAVD 88 datum. SLR initially installed pressure transducers in monitoring wells CMW-4, CMW-5, CMW-6, CMW-7, and DMW-6 at approximately 17:00 on July 15, 2008, and in the stilling well at approximately 10:30 on July 16, 2008. Due to site logistics, a transducer was not installed in well DMW-3 until approximately 11:30 on July 17, 2008.

For the duration of the study, each pressure transducer collected and recorded head measurements at 1-minute increments. SLR also collected depth to water measurements concurrent with transducer head measurements during transducer installation and withdrawal, and during the course of the study. The depth to water measurements and corresponding transducer head measurements were used to calculate water elevations at each monitoring location. A plot of the groundwater and surface water elevations during the study period are shown on Figure 4.

Synoptic high-tide and low-tide water elevations were used to facilitate the evaluation of groundwater flow. The high and low tides were identified based on the surface water elevations measured at the stilling well. Stilling well data were obtained for two full tidal cycles (July 16-17, 2008 and July 17-18, 2008). Each daily tidal cycle consisted of two high tides and two low tides (see Figure 4). After the high and low tide extremes were identified for Slip 4, the concurrent groundwater elevations in the wells were identified

for those times. The July 17-18 tidal cycle was selected for further evaluation as it contained the most complete data set (data from DMW-3 were available for this cycle). Table 1 presents the minimum and maximum surface water elevations in Slip 4 and the corresponding groundwater elevations for the July 17 – 18 tidal cycle. The data collected during the tidal study are presented in Appendix B.

4.2 Conceptual Hydrogeologic Model

This section presents a review of regional geology and hydrogeology, and site geology and hydrogeology, and presents our conceptual hydrogeologic model of the site.

4.2.1 Regional Geology and Hydrogeology

The site is located in the Duwamish River valley. The Duwamish River valley is a former marine embayment that was an extension of the Puget Sound embayment as recently as about 5,000 years ago (Luzier, 1969). The Duwamish Valley incises an extensive glacial drift plain that extends across much of south King County (Woodward et. al., 1995). In general, the elevation of the glacial drift plain varies from about 400 to 600 feet; the elevation of the Duwamish Valley varies from about 10 to 75 feet (Woodward et. al., 1995). Near the site, the elevation of the drift plain is about 100 to 125 feet and the elevation of the Duwamish Valley is about 5 to 20 feet.

The alluvial deposits in the lower Duwamish River Valley (and presumably in the vicinity of the site) include “medium- to fine-grained sand and silt that was deposited in a delta complex when the valley was a submerged marine embayment; these sediments generally do not yield appreciable volumes of water to wells” (Woodward et. al. 1995).

The Duwamish Waterway adjacent to the site is tidal, with water levels in Slip 4 varying more than 13 feet in response to Puget Sound tides. Slip 4 is an extension of the Duwamish Waterway along a former meander. Salinity and pH measurements indicated that water in Slip 4 is brackish.

4.2.2 Site Geology

The surficial geology beneath the site generally consists of 12 to 15 feet of sand or gravel fill with varying amounts of silt. The fill contains concrete, brick, and other debris along the southern edge of the site between wells CMW-4 and CMW-7. The fill is underlain by a clean sand unit to a depth of at least 20 feet bgs. Unconfined groundwater occurs within the fill and the underlying sand unit. A cross sectional view of the geology beneath the site (Section A-A') is shown on Figure 5. The location of the cross section is shown on Figure 3.

4.2.3 Site Hydrogeology

The site is paved, and site stormwater is directed off site through catch basins and piping. Therefore, the local groundwater flow system beneath the site does not receive significant recharge from precipitation. Groundwater beneath the site is unconfined and occurs in fill soils.

A pier and sheet pile seawall were constructed along the eastern and southern perimeter of the site in the early 1980s. Construction apparently included excavating the area where the concrete bulkhead for the new pier would be built. After the sheet pile seawall was installed, clean sand and gravel fill were placed along the base of the seawall (on the sea side) and covered with riprap that was supported by a toe trench (see Figure 5). The excavated area on the inland side of the sheet pile seawall was backfilled; however, the backfill type was not specified on the design drawings. Wells CMW-2 through CMW-6 are apparently installed into or near soils that were placed as seawall backfill.

The sheet pile seawall consisted of interlocking sheets of steel plate. The design elevation of the bottom of the seawall was approximately -29 feet (see Figure 5). These piles may have penetrated into native Duwamish River alluvium, which in this area is expected to consist of relatively fine-grained deltaic sediments deposited during the period when the area was a marine embayment.

SLR evaluated the tidal study data to assess the interactions between the Duwamish Waterway (including Slip 4) and the shallow groundwater beneath the site. Groundwater elevations were monitored at wells CMW-4, CMW-5, CMW-6, CMW-7, DMW-3, and DMW-6, and in the Slip 4 stilling well through at least one full tidal cycle. Depths to water varied from approximately 7 to more than 16 feet below grade. At the highest high tide on July 17, 2008, the water elevation in Slip 4 (in the stilling well) was 9.29 feet above the NAVD 88 datum, and the groundwater elevations in the monitoring wells ranged from 4.99 to 6.33 feet above the NAVD 88 datum. At the lowest low tide on July 18, 2008, the water elevation in Slip 4 was 4.01 feet below the NAVD 88 datum, and the groundwater elevations in the monitoring wells ranged from 0.79 to 3.66 feet above the NAVD 88 datum. Table 1 presents the synoptic water elevations in the monitoring wells and stilling well during maximum and minimum tidal conditions for the July 17 - 18, 2008 tidal cycle. As noted previously, this study focused on the southern portion of the site because the existing wells allowed for a detailed study of surface water and groundwater interactions, including the influence of the sheet pile seawall and riprap. This analysis assumes that it is reasonable to extrapolate the data from the closely-spaced wells located in the southern portion of the site to the northern portion of the site.

Our interpreted groundwater flow during high tide conditions is illustrated in Figure 6. The groundwater elevation data indicate that the sheet pile seawall acts as a barrier to surface water during rising tides. Shallow flow during rising tides appears to primarily

consist of surface water flowing inland around the ends of the seawall (through the riprap areas) and recharging groundwater beneath the site. The maximum horizontal hydraulic gradient was measured in the area between the Duwamish Waterway and well CMW-7 as approximately 0.05 feet per foot, and horizontal gradients decrease significantly (to approximately 0.001 to 0.005 feet per foot) further inland.

Our interpreted groundwater flow during low tide conditions is illustrated in Figure 7. The groundwater elevation data indicate that the sheet pile seawall also acts as a barrier to groundwater during falling tides. Shallow flow during falling tides appears to primarily consist of groundwater flowing towards Slip 4 and the Duwamish Waterway around the ends of the seawall (through the riprap areas). The horizontal hydraulic gradient beneath the southern part of the site is approximately 0.004 to 0.009 feet per foot, and steepens to approximately 0.10 feet per foot in the area between CMW-7 and the Duwamish Waterway. The net horizontal hydraulic gradient between CMW-7 and the Duwamish Waterway over a full tidal cycle averages about 0.004 feet per foot, from the site towards the waterway.

Figures 8 and 9 illustrate the inferred hydrogeologic conditions at cross section A-A' during high tide conditions and low tide conditions, respectively (the location of cross section A-A' is shown on Figure 3). These sections depict how the seawall acts as an effective barrier to flow during both high and low tide conditions, as water levels across the seawall are offset by several feet.

Groundwater and surface water elevations measured during the tidal study (see Figure 4) also demonstrate that the seawall acts as a barrier to flow between the shallow groundwater and the water in Slip 4. During high tide conditions, the monitoring well with the greatest tidal response and shortest response time (time lag) (CMW-7) was located behind the riprap (approximately 50 feet northwest of the southwestern end of the seawall; see Figure 2). In the wells located behind the seawall (CMW-4, CMW-5, and CMW-6), the tidal response lessened and time lag increased with distance away from the southwestern end of the seawall. During low tide conditions, the greatest tidal response was also at CMW-7, and the response lessened with distance away from the southwestern end of the seawall; however, the time lag was greatest at CMW-7. For both rising and falling tides, the slowest response was observed at CMW-5, suggesting that flow occurs around both the northern and southern ends of the sheet pile seawall and that these flows converge near CMW-5.

5 ANALYTICAL RESULTS

5.1 Groundwater

To assess the potential for the current groundwater contamination at the site to impact the sediments in Slip 4, the groundwater sample analytical results from the June and July sampling events were compared to the groundwater screening levels that were developed by Science Application International Corporation (SAIC) for the Slip 4 area (SAIC, 2006). According to SAIC, if contaminant concentrations in the groundwater are below the groundwater screening levels, then it is unlikely that the contamination will pose a threat to marine sediments [e.g., cause an exceedance of Ecology's marine sediment cleanup screening levels (CSLs)]. Furthermore, SAIC suggested that if contaminant concentrations in the groundwater exceed the groundwater screening levels, then the contamination **may or may not** pose a threat to marine sediments.

The groundwater sample analytical results showed that the samples collected from wells CMW-2 and CMW-3 contained acenaphthene concentrations [4.5 and 4.9 micrograms per liter ($\mu\text{g/L}$), respectively] that exceeded the very conservative groundwater screening level based on Ecology's sediment quality standard (SQS) ($2.6 \mu\text{g/L}$). However, the acenaphthene concentrations were below the less conservative groundwater screening level based on the CSL ($9.3 \mu\text{g/L}$). The groundwater samples collected from all of the other wells did not contain analyte concentrations greater than the groundwater screening levels. PCBs were not detected in any of the samples at concentrations greater than the method reporting limits (MRLs).

On July 15, 2008, the groundwater samples were collected at a purge rate of less than $\frac{1}{2}$ of the sampling purge rate on June 17, 2008. The total metals concentrations in the July 15th samples were consistently orders of magnitude lower than the metals concentrations in the June 17th samples, which suggests that the higher metals concentrations in June were due to sediment in the samples, as a result of the higher purge rate. The groundwater sample analytical results are presented in Tables 2 (metals), 3 (petroleum hydrocarbons), 4 (VOCs), and 5 (SVOCs). Copies of the laboratory reports are presented in Appendix C.

5.2 Soil

SAIC developed soil screening levels for the Slip 4 area (SAIC, 2006) in addition to the groundwater screening levels. The soil screening levels addressed the potential impacts to sediment via the soil to sediment pathway and the soil to groundwater to sediment pathway. As previously discussed in Section 2.1, the site surface is primarily capped with asphalt or concrete, and the boundary of the site adjacent to Slip 4 consists of approximately 1,035 feet of sheet pile seawall and approximately 110 feet of boulder riprap. Since there is limited exposed soil at the site surface and no exposed soil along the site boundaries adjacent to Slip 4, there is minimal chance of erosion of upland soils or bank soils into Slip 4. Therefore, the soil to sediment pathway is not a concern at the site.

The groundwater sample analytical results demonstrated that the groundwater near Slip 4 did not contain any contaminant concentrations greater than the groundwater screening levels based on the CSLs. The only exceedances of groundwater screening levels based on the very conservative SQSs were at wells (CMW-2 and CMW-3) located behind the sheet pile seawall, and not at locations of groundwater flow around the ends of the seawall (primary locations of flow into Slip 4 from the site). Since the impacted soil has been in place for over 20 years and the groundwater sample analytical results show that there are minimal potential groundwater impacts to the sediment, the migration of contaminants from soil to sediment, via the groundwater pathway, does not appear to be occurring. Therefore, the soil sample analytical results were not compared to the soil screening levels.

The soil sample analytical results are presented in Tables 6 (metals), 7 (petroleum hydrocarbons), 8 (PCBs), 9 (VOCs), and 10 (SVOCs). Copies of the laboratory reports are presented in Appendix C.

5.3 Seep

The seep sample analytical results indicated that this groundwater and surface water mixture contained metals concentrations below the groundwater screening levels. Arsenic, barium, and selenium were the only detected analytes, and the highest concentration was only 0.017 µg/L. The seep sample analytical results are presented in Table 2, and a copy of the laboratory report is presented in Appendix C.

5.4 Surface Water

The surface water sample analytical results showed that the surface water, at the time of sampling, contained low metals concentrations. Arsenic, barium, chromium, copper, and selenium were detected in the sample at concentrations of 0.005, 0.01, 0.022, 0.22, and

0.046 µg/L, respectively. The surface water sample analytical results are presented in Table 2, and a copy of the laboratory report is presented in Appendix C.

6 INTERVIEWS AND SITE WALK

On July 15, 2008, Ms. Kim Saganski of SLR met with Mr. Charles Babers of Union Pacific Railroad (UPRR) and Mr. Steve Sauerbrey of Alaska Logistics and walked through the site to evaluate the potential for stormwater outfalls and current site operations to impact the Duwamish Waterway (including Slip 4). The UPRR facility occupies the north and central portion of the site and the Alaska Logistics facility occupies the southern portion of the site (see Figure 10).

6.1.1 UPRR Interview and Facility Observations

The UPRR facility operations consist of receiving and distribution of cargo containers. Trucks enter the site and deliver or receive containers. On-site maintenance is conducted in two shop buildings at the north end of the site (see Figure 10), and consists of container repair and changing tires on the container trailers. An empty aboveground storage tank (AST) was observed inside the western shop building. Mr. Babers stated that the AST was on site when they moved in and has not been used by UPRR. The AST previously contained diesel fuel. Mr. Babers was not aware of any spills or releases having occurred on site, and no chemicals or hazardous materials are stored on site in bulk.

Near the western shop, SLR observed two bins containing container pieces and metal waste that are reportedly emptied on a weekly basis by a disposal/recycling contractor. SLR observed some debris along the east side of the facility (along the inactive rail spur) and small pieces of metal debris on the ground outside both of the shops. An apparent oil stain was present on the ground at the location of the former scale. No other staining or evidence of chemical releases were observed at the time of the site visit. UPRR does not operate to the east of the inactive railroad spur, and there is no evidence that direct contaminant discharge to Slip 4 could potentially occur due the UPRR operations. The UPRR facility is mostly paved with asphalt or concrete, and is relatively flat with the exception of one low area near the southwestern corner of the eastern shop (see Figure 10).

6.1.2 Alaska Logistics Interview and Facility Observations

The Alaska Logistics facility receives cargo containers from trucks and loads the containers onto barges at two loading ramps located at the south and southeast edges of

the facility. The barges are loaded with diesel-powered container lifts. No fuel is stored on site. The container lifts are fueled by a fuel truck service. Equipment and vehicle maintenance and repairs are conducted in the shop located at the southwest corner of the facility. Alaska Logistics stores up to 500 gallons of lubricants in drums and buckets in the shop and shed located at the southwest corner of the facility (see Figure 10). Waste oil is stored in drums and picked up by a disposal contractor, as needed.

Spill response materials such as booms and kitty litter are stored in the shop. Mr. Sauerbrey stated that he has worked at the site since 2004 and there have been no spills or releases of hazardous materials during that time. Chemicals and hazardous materials that arrive at the facility for transport are received with Department of Transportation (DOT) documentation that ensures that the materials are properly packaged for transport. Therefore, chemical and hazardous materials that are loaded onto the barges are received in appropriate containers and handled in accordance with DOT requirements.

The entire Alaska Logistics facility is paved with asphalt or concrete, and is relatively flat. SLR did not observe significant staining at the time of the site visit. Ground surface observations were obscured in some areas at the time of the site visit due to container storage. Since all cargo is within steel containers and any hazardous substances within the containers are properly packaged in accordance with DOT requirements, the potential for direct contaminant discharge to the waterway is minimal.

6.2 Site Stormwater System

There are reportedly 29 catch basins connected to six stormwater conveyance lines that have outfalls into Slip 4 and the Duwamish Waterway. SLR was unable to confirm the presence of all of the catch basins due to the presence of storage containers on both facilities. The approximate locations of these catch basins, conveyance lines, and outfalls (designated as OF1 through OF6) are shown on Figure 10. Stormwater outfall OF6 only discharges stormwater from the UPRR facility. The other five outfalls discharge stormwater from both the UPRR and Alaska Logistics facilities.

In addition to the stormwater catch basins that are connected to the outfalls, SLR observed six apparent catch basins in the northern portion of the UPRR facility (see Figure 10). Mr. Babers did not know the discharge location of these six catch basins. Two of the six apparent catch basins were full of water at the time of the site visit, and may be collection sumps.

Mr. Babers stated that UPRR has not cleaned out the stormwater catch basins located on their facility, they do not sweep the paved portion of the facility, and they do not collect stormwater samples. Mr. Sauerbrey of Alaska Logistics reported that the catch basins on their facility were cleaned out by Marvac in 2006 and are equipped with hydrophyllic

filters to absorb oil. Alaska Logistics uses a street sweeper to clean the surface of the site two times per month. On May 28, 2008, Alaska Logistics collected their first stormwater monitoring sample in accordance with their National Pollutant Discharge Elimination System (NPDES) permit. Because the greatest use of hazardous materials is at the southwest corner of the site, the stormwater sample was collected from the southwesternmost outfall (OF1; see Figure 10) based on the assumption that this location would provide the worst case scenario with respect to on-site activities. SLR reviewed the Stormwater Monitoring Report, dated May 11, 2008, which showed results for turbidity (10 NTU), pH (6.93), zinc (260 µg/L), and oil and grease (not detected). The only exceedance of the NPDES permit benchmarks was zinc by a concentration of 10 µg/L. Alaska Logistics is planning to clean out their catch basins and add a filter system in an attempt to lower the zinc concentration.

Based on SLR's observations of the site topography and stormwater system, stormwater sheet flow into Slip 4 does not occur at the UPRR facility. Some very limited sheet flow into Slip 4 occurs on the sloped concrete surfaces beneath each loading ramp at the Alaska Logistics facility. This would only consist of rain falling directly on the concrete surfaces, which are primarily covered by the ramps. The site does not slope toward the ramps and there is a curb between storage yard and the ramps. During heavy rainfall events, some stormwater may flow off the ends of the pier and the ramps into Slip 4. The pier and ramps are flat and do not slope back toward the Alaska Logistics facility.

7 CONCLUSIONS

In June and July 2008, SLR conducted an environmental investigation at the Crowley Marine Services site to evaluate the current potential for hazardous substance releases from the site to impact the sediments in Slip 4. The site has been used for cargo storage and distribution for over 20 years, and the known sources of subsurface contamination were removed at least 19 years ago. The investigation was designed to assess the potential for impacts to the sediments via the following pathways:

- Groundwater discharge (including seeps)
- Soil erosion
- Stormwater discharge
- Direct discharge
- Sheet flow discharge

Groundwater Discharge

To evaluate the groundwater discharge pathway, seven groundwater monitoring wells were installed and sampled, and a tidal study was conducted to obtain an understanding of the shallow hydrogeologic conditions beneath the site. The groundwater sample analytical results showed that the samples collected from wells CMW-2 and CMW-3 contained acenaphthene concentrations (4.5 and 4.9 µg/L, respectively) that exceeded the very conservative groundwater screening level based on Ecology's SQS (2.6 µg/L). However, the acenaphthene concentrations were below the less conservative groundwater screening level based on the CSL (9.3 µg/L). The groundwater samples collected from all of the other wells did not contain analyte concentrations greater than the groundwater screening levels.

The groundwater and surface water elevation data collected during the tidal study provide evidence that the sheet pile seawall acts as an effective barrier to groundwater and surface water movement. Shallow flow appears to only occur around the ends of wall, except for the seep that occurred through a crack and hole at a weld in the wall. During high tide conditions, surface water flows from Slip 4 and the Duwamish Waterway into the site at locations where the edge of the site consists of riprap, and shallow groundwater flows inland beneath the site. During low tide conditions, the primary shallow groundwater movement beneath the site is towards the ends of the sheet pile, with groundwater

discharging to Slip 4 and the Duwamish Waterway at locations where the edge of the site consists of riprap.

There are two groundwater monitoring wells (CMW-1 and CMW-7) that are located less than 50 feet beyond the southwestern and northeastern extents of the seawall (see Figure 2). Based on the groundwater and surface water movement around the seawall, the contaminant concentrations at these well locations best represent the groundwater discharging into Slip 4. The groundwater samples from CMW-1 and CMW-7 did not contain analyte concentrations greater than the groundwater screening levels.

On July 15, 2008, SLR personnel observed one seep in the sheet pile seawall near the southwest loading ramp (See Figure 2). The seep was flowing from an approximate 1-inch-long crack and a 3/4-inch diameter hole along a weld in the sheet piling, at approximately 11.8 feet below the site ground surface and approximately 17 feet west of the western edge of the southwest loading ramp. No seeps were observed in the riprap. A sample of the seep was collected for metals analyses, and the analytical results showed that the groundwater/surface water mixture did not contain metals concentrations greater than the groundwater screening levels.

Since the known sources of subsurface contamination at the site were removed at least 19 years ago and the current groundwater concentrations near the waterway should not adversely impact the sediment in Slip 4, via discharge around the wall or through a seep, it appears that the groundwater discharge pathway is not a concern at the site.

Soil Erosion

The site surface is capped with asphalt or concrete, except for a localized area in the northeastern part of Parcel F, and the boundary of the site adjacent to Slip 4 consists of approximately 1,035 feet of sheet pile seawall and approximately 110 feet of boulder riprap. Since there is limited exposed soil at the site surface and no exposed soil along the site boundaries adjacent to Slip 4, there is minimal chance of erosion of upland soils or bank soils into Slip 4. Therefore, the soil erosion pathway is not a concern at the site.

Stormwater Discharge

There are reportedly 29 catch basins connected to six stormwater conveyance lines that have outfalls (designated OF1 through OF6) into Slip 4 and the Duwamish Waterway. Stormwater outfall OF6 only discharges stormwater from the UPRR facility. The other five outfalls discharge stormwater from both the UPRR and Alaska Logistics facilities. In addition to the stormwater catch basins that are connected to the outfalls, SLR observed six apparent catch basins in the northern portion of the UPRR facility. UPRR personnel did not know the discharge location of these six catch basins.

UPRR has not cleaned out the stormwater catch basins located on their facility, they do not sweep the paved portion of their facility, and they do not collect stormwater samples. Alaska Logistics cleaned the catch basins on their facility in 2006, and they installed hydrophyllic filters in their catch basins to absorb oil. They use a street sweeper to clean the surface of the site two times per month. Alaska Logistics monitors their stormwater system discharge in accordance with their NPDES permit. The results of their first discharge sampling event showed that the water contained a zinc concentration (260 µg/L) that exceeded the permit benchmark for zinc (250 µg/L). Alaska Logistics is planning to clean out their catch basins and add a filter system in an attempt to lower the zinc concentration.

Since Alaska Logistics operates their stormwater system under an NPDES permit, the potential impacts from stormwater discharges at outfalls OF1 through OF5 should be minimal. To ensure that the stormwater discharges at outfall OF6 do not adversely impact the sediments in Slip 4, it is our understanding that Crowley will require UPRR to clean the stormwater catch basins on their facility on at least an annual basis, and to sweep their paved surfaces on a regular basis. Crowley will identify the discharge location(s) of the six catch basins in the northern part of the UPRR facility.

Direct Discharge

The current operations at the site consist of storage and distribution of cargo within steel containers. Cargo containing chemicals or other hazardous substances is received with DOT documentation that ensures that the materials are properly packaged for transport. Since the cargo is packaged in accordance with DOT requirements and it is within steel containers, the potential for direct contaminant discharge from cargo, during temporary storage or the loading of barges, is minimal. Alaska Logistics has spill response materials at their facility, and personnel are trained to use them. There is no fuel stored at the site, and the only hazardous substances stored at site are drums of lubricants and waste oil at the Alaska Logistics facility. The presence of minimal surface staining indicates that previous spills have been very limited. Based on the site operations, the packaging and handling of cargo, and the limited hazardous substances stored and used at the site, the direct discharge pathway is not a concern at the site.

Sheet Flow Discharge

Based on SLR's observations of the site topography and stormwater system, stormwater sheet flow into Slip 4 does not occur at the UPRR facility. Some very limited sheet flow into Slip 4 occurs on the sloped concrete surfaces beneath each loading ramp at the Alaska Logistics facility. This would only consist of rain falling directly on the concrete surfaces, which are primarily covered by the ramps. The site does not slope toward the ramps and there is a curb between storage yard and the ramps. During heavy rainfall events, some stormwater may flow off the ends of the pier and the ramps into Slip 4. The

pier and ramps are flat and do not slope back toward the storage yard. Based on the site operations and the limited areas of stormwater sheet flow into Slip 4, the sheet flow discharge pathway is not a concern at the site.

Based on the results of the environmental investigation at the site and the planned improvements to UPRR's stormwater management program, there is no reasonable potential for hazardous substance releases from the site to impact the sediments in Slip 4, via the pathways described above.

LIMITATIONS

The services described in this report were performed consistent with generally accepted professional consulting principles and practices. No other warranty, express or implied, is made. These services were performed consistent with our agreement with our client. This report is solely for the use and information of our client unless otherwise noted. Any reliance on this report by a third party is at such party's sole risk.

Opinions and recommendations contained in this report apply to conditions existing when services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. We do not warrant the accuracy of information supplied by others, nor the use of segregated portions of this report.

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TABLES

Table 1
Maximum and Minimum Surface Water and Groundwater Elevations for the
July 17 – 18 Tidal Cycle
Crowley Marine Services Site
Seattle, Washington

Tide Position, Date, and Time	Tidal Maximum 7/17/08 18:52	Tidal Minimum 7/18/08 0:11	Tidal Maximum 7/18/08 4:43	Tidal Minimum 7/18/08 11:44
Location	Water Elevation (feet)	Water Elevation (feet)	Water Elevation (feet)	Water Elevation (feet)
Surface Water				
Slip 4 Stilling Well	9.29	5.51	8.12	-4.01
Groundwater				
CMW-4	6.33	5.65	6.84	1.54
CMW-5	6.02	5.67	6.80	1.24
CMW-6	6.42	5.67	7.04	0.79
CMW-7	6.96	5.66	7.32	0.89
DMW-3	4.99	5.70	6.36	3.66
DMW-6	5.24	5.66	6.52	2.93
Note: Elevations are measured relative to the NAVD 88 datum.				

Table 2
Groundwater, Surface Water, and Seep Sample Analytical Results for Total Metals
Crowley Marine Services Site
Seattle, Washington

Total Metals ^a	Sample Location	CMW-1		CMW-2		CMW-3		CMW-4		CMW-5		CMW-6		CMW-7		SEEP INTO SLIP 4	SLIP 4	Groundwater Screening Levels ^b	
	Sample ID	CMW1 - 061708	CMW1- 071508	CMW2 - 061708	CMW2- 071508	CMW3 - 061708	CMW3- 071508	CMW4 - 061708	CMW4- 071508	CMW5 - 061708	CMW5- 071508	CMW6 - 061708	CMW6 - 071508	CMW7 - 061708	CMW7 - 071508	SEEP-1	SLIP4- 071508		
	Sample Date	6/17/2008	7/15/2008	6/17/2008	7/15/2008	6/17/2008	7/15/2008	6/17/2008	7/15/2008	6/17/2008	7/15/2008	6/17/2008	7/15/2008	6/17/2008	7/15/2008	7/15/2008	7/15/2008	CSL	SQS
Arsenic	Analytical Results in Micrograms per Liter (µg/L)	6.59	0.002	41	NS	30.5	NS	177	0.17	62.3	0.066	21.4	0.018	6.22	<0.002	0.003	0.005	370	227
Barium		14.2	0.038	17.1	NS	30.3	NS	64.2	0.085	20	0.024	56.6	0.091	14.4	0.01	0.008	0.01	NE	NE
Cadmium		<1.0	<0.002	<1.0	NS	<1.0	NS	<1.0	<0.002	<1.0	<0.002	<2.0	<0.002	<1.0	<0.002	<0.002	<0.002	3.4	2.6
Chromium		<1.0	0.003	1.85	NS	1.63	NS	1.03	0.007	<1.0	0.02	3.56	0.09	<1.0	0.003	<0.003	0.022	318	306
Copper		25.2	<0.01	9.16	NS	17.8	NS	46.1	0.004	<1.0	<0.01	26.8	0.11	6.15	<0.01	<0.01	0.22	123	123
Lead		<1.0	<0.002	2.26	NS	1.99	NS	1.03	0.003	<1.0	<0.002	<2.0	0.005	<1.0	<0.002	<0.002	<0.002	13	11
Selenium		24.6	0.024	9.7	NS	17.6	NS	41.9	0.019	3.13	0.02	58.0	0.04	8.2	<0.010	0.017	0.046	NE	NE
Silver		<1.0	<0.010	<1.0	NS	<1.0	NS	<1.0	<0.010	<1.0	<0.010	<2.0	<0.010	<1.0	<0.010	<0.010	<0.010	1.5	1.5
Mercury ^c		<0.2	<0.001	<0.2	NS	<0.2	NS	<0.2	<0.001	<0.2	<0.001	<0.2	<0.001	<0.2	<0.001	<0.001	<0.001	0.0074	0.0052

Notes:

^a Total metals analyzed by EPA Method 6020.

^b Groundwater screening levels established to estimate potential impacts to sediment in Slip 4 (SAIC, 2006)

^c Total mercury analyzed by EPA Method 1631E.

< = Not detected at or above the method reporting limit.

NS = Not sampled.

CSL = Cleanup screening levels.

SQS = Sediment quality standards.

NE = Groundwater screening level is not established.

Table 3
Groundwater Sample Analytical Results for Petroleum Hydrocarbons
Crowley Marine Services Site
Seattle, Washington

Sample Location	Sample ID	Sample Date	Analytical Results in Micrograms per Liter (µg/L)		
			DRO ^a	HO ^a	GRO ^b
CMW-1	CMW1-061708	6/17/2008	<50	<250	<100
CMW-2	CMW2-061708	6/17/2008	100	<250	<100
CMW-3	CMW3-061708	6/17/2008	92	<250	<100
CMW-4	CMW4-061708	6/17/2008	67	<250	<100
CMW-5	CMW5-061708	6/17/2008	<50	<250	<100
CMW-6	CMW6-061708	6/17/2008	<50	<250	<100
CMW-7	CMW7-061708	6/17/2008	<50	<250	<100
Groundwater Screening Levels^c			NE	NE	NE
Notes: ^a Diesel-range organics (DRO) and heavy oil-range organics (HO) analyzed by NWTPH-Dx. ^b Gasoline-range organics (GRO) analyzed by NWTPH-Gx. ^c Groundwater screening levels established to estimate potential impacts to sediment in Slip 4 (SAIC, 2006) < = Not detected at or above the method reporting limit. NE = Groundwater screening level is not established.					

Table 4
Groundwater Sample Analytical Results for VOCs
Crowley Marine Services Site
Seattle, Washington

Sample Location	Sample ID	Date Sampled	Analytical Results in Micrograms per Liter (µg/L)	
			Chloromethane ^a	Naphthalene ^a
CMW-1	CMW1-061708	6/17/2008	< 1.0	< 1.0
CMW-2	CMW2-061708	6/17/2008	2.0	11.0
CMW-3	CMW3-061708	6/17/2008	< 1.0	3.5
CMW-4	CMW4-061708	6/17/2008	< 1.0	3.3
CMW-5	CMW5-061708	6/17/2008	< 1.0	< 1.0
CMW-6	CMW6-061708	6/17/2008	< 1.0	< 1.0
CMW-7	CMW7-061708	6/17/2008	< 1.0	< 1.0
Groundwater Screening Levels ^b		CSL	NE	92
		SQS	NE	54

Notes:

^a Analyzed by EPA Method 8260B.

^b Groundwater screening levels established to estimate potential impacts to sediment in Slip 4 (SAIC, 2006)

VOCs = Volatile organic compounds

< = Not detected at or above the method reporting limit.

CSL = Cleanup screening levels.

SQS = Sediment quality standards.

NE = Groundwater screening level is not established.

Table 4 only includes the VOC analytes that were detected above the method reporting limits in at least one sample.

Table 5
Groundwater Sample Analytical Results for SVOCs
Crowley Marine Services Site
Seattle, Washington

Semi-Volatile Organic Compounds (SVOCs) ^a	Sample Location	CMW-1	CMW-2	CMW-3	CMW-4	CMW-5	CMW-6	CMW-7	Groundwater Screening Levels ^b		
	Sample ID	CMW1-061708	CMW2-061708	CMW3-061708	CMW4-061708	CMW5-061708	CMW6-061708	CMW7-061708			
	Date Sampled	6/17/2008	6/17/2008	6/17/2008	6/17/2008	6/17/2008	6/17/2008	6/17/2008	6/17/2008	CSL	SQS
Acenaphthene	Analytical Results in Micrograms per Liter (µg/L)	<0.1	4.5	4.9	2.10	0.13	<0.1	<0.1	<0.1	9.3	2.6
Anthracene		<0.1	0.42	1.8	0.44	<0.1	<0.1	<0.1	<0.1	59	11
Benz(a)anthracene		<0.1	0.14	<0.1	0.11	<0.1	<0.1	<0.1	<0.1	0.63	0.26
Benzo(a)pyrene		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.27	0.13
Benzo(b)fluoranthene		<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	0.56	0.29
Carbazole		<1.0	<1.0	2.1	1.30	<1.0	<1.0	<1.0	<1.0	NE	NE
Chrysene		<0.1	0.13	<1.0	0.12	<0.1	<0.1	<0.1	<0.1	1.9	0.47
Dibenzofuran		<1.0	2.5	2.2	<1.0	<1.0	<1.0	<1.0	<1.0	5.1	1.3
Fluoranthene		<0.1	1.4	1.1	0.68	0.17	<0.1	<0.1	<0.1	17	2.3
Fluorene		<0.1	3.9	3.1	1.00	0.1	<0.1	<0.1	<0.1	7	2
2-Methylnaphthalene		<1.0	1.5	4.4	<1.0	<1.0	<1.0	<1.0	<1.0	31	18
Naphthalene		<0.1	4.3	2.9	3.30	0.19	<0.1	<0.1	<0.1	92	54
Phenanthrene		<0.1	4.9	3.9	2.40	0.29	0.14	<0.1	<0.1	23	4.8
Pyrene		<0.1	0.75	0.48	0.53	0.14	<0.1	<0.1	<0.1	20	14

Notes:

^a Analyzed by EPA Methods 8270C and/or 8270C SIM.

^b Groundwater screening levels established to estimate potential impacts to sediment in Slip 4 (SAIC, 2006)

Values in **bold** exceed at least one the groundwater screening levels.

< = Not detected at or above the method reporting limit.

CSL = Cleanup screening levels.

SQS = Sediment quality standards.

NE = Groundwater screening level is not established.

Table 5 only includes the analytes that were detected above the method reporting limits in at least one sample.

The polycyclic aromatic hydrocarbon (PAH) concentrations listed in Table 5 are the highest analyzed concentrations from the 8270C and 8270C SIM methods.

Table 6
Soil Sample Analytical Results for Metals
Crowley Marine Services Site
Seattle, Washington

Sample Location	Sample ID	Date Sampled	Approximate Sample Depth (ft)	Analytical Results in Milligrams per Kilogram (mg/kg)								
				Arsenic ^a	Barium ^a	Cadmium ^a	Chromium ^a	Copper ^a	Lead ^a	Selenium ^a	Silver ^a	Mercury ^b
CMW-1	CMW1-5	6/12/2008	5	2.17	31.7	<1.0	11.3	NA	2.42	<1.0	<1.0	<0.2
CMW-2a	CMW2a-4	6/12/2008	4	2.14	32.6	<1.0	14.1	NA	2.05	<1.0	<1.0	<0.2
CMW-3	CMW3-5	6/12/2008	5	4.66	32.1	<1.0	10.7	NA	3.75	<1.0	<1.0	<0.2
CMW-3	CMW3-10	6/12/2008	10	38.0	87.9	<1.0	20.1	< 0.457	58.0	<1.0	<1.0	<0.2
CMW-4	CMW4-5	6/13/2008	5	158	81.8	1.11	16.0	NA	151	<1.0	<1.0	0.25
CMW-5	CMW5-5	6/13/2008	5	184	75.5	<1.0	17.9	NA	186	<1.0	<1.0	<0.2
CMW-6	CMW6-5	6/13/2008	5	121	53.2	<1.0	16.5	NA	101	<1.0	<1.0	<0.2
CMW-7	CMW7-5	6/13/2008	5	236	77.4	<1.0	23.5	< 0.449	208	<1.0	<1.0	0.26
CMW-7	CMW7-7	6/13/2008	7	27.5	60.0	<1.0	15.6	NA	34.4	<1.0	<1.0	<0.2

Notes:

^a Analyzed by EPA Method 200.8.

^b Analyzed by EPA Method 1631E.

Table 7
Soil Sample Analytical Results for Petroleum Hydrocarbons
Crowley Marine Services Site
Seattle, Washington

Sample Location	Sample ID	Date Sampled	Approximate Sample Depth (ft)	Analytical Results in Milligrams per Kilogram (mg/kg)		
				DRO ^a	HO ^a	GRO ^b
CMW-1	CMW1-5	6/12/2008	5	<50	<250	<2.0
CMW-2a	CMW2a-4	6/12/2008	4	<50	<250	<2.0
CMW-3	CMW3-5	6/12/2008	5	<50	<250	<2.0
CMW-3	CMW3-10	6/12/2008	10	120	<250	<2.0
CMW-4	CMW4-5	6/13/2008	5	<50	<250	<2.0
CMW-5	CMW5-5	6/13/2008	5	110	510	<2.0
CMW-6	CMW6-5	6/13/2008	5	72	570	<2.0
CMW-7	CMW7-5	6/13/2008	5	5,000	7,500	<2.0
CMW-7	CMW7-7	6/13/2008	7	310	<250	110
Notes:						
^a Diesel-range organics (DRO) and heavy oil-range organics (HO) analyzed by NWTPH-Dx (after silica gel cleanup).						
^b Gasoline-range organics (GRO) analyzed by NWTPH-Gx.						

Table 8
Soil Sample Analytical Results for PCBs
Crowley Marina Services Site
Seattle, Washington

Sample Location	Sample ID	Date Sampled	Approximate Sample Depth (ft)	Analytical Results in Milligrams per Kilogram	
				(mg/kg)	Aroclor 1254 ^a
CMW-1	CMW1-5	6/12/2008	5		<0.1
CMW-2a	CMW2a-4	6/12/2008	4		<0.1
CMW-3	CMW3-5	6/12/2008	5		<0.1
CMW-3	CMW3-10	6/12/2008	10		0.3
CMW-4	CMW4-5	6/13/2008	5		0.2
CMW-5	CMW5-5	6/13/2008	5		<0.1
CMW-6	CMW6-5	6/13/2008	5		0.3
CMW-7	CMW7-5	6/13/2008	5		0.7
CMW-7	CMW7-7	6/13/2008	7		0.2

Notes:

^a Analyzed by EPA Method 8082.

PCBs = Polychlorinated biphenyls.

< = Not detected at or above the method reporting limit.

Table 2 only includes the PCBs analytes detected above the method reporting limits in at least one sample.

Table 9
Soil Sample Analytical Results for VOCs
Crowley Marine Services Site
Seattle, Washington

Sample Location	Sample ID	Date Sampled	Approximate Sample Depth (ft)	Analytical Results in Milligrams per Kilogram (mg/kg)		
				1,3,5-Trimethylbenzene ^a	1,2,4-Trimethylbenzene ^a	Naphthalene ^a
CMW-1	CMW1-5	6/12/2008	5	<0.05	<0.05	<0.05
CMW-2a	CMW2a-4	6/12/2008	4	<0.05	<0.05	<0.05
CMW-3	CMW3-5	6/12/2008	5	<0.05	<0.05	<0.05
CMW-3	CMW3-10	6/12/2008	10	<0.05	<0.05	1.6
CMW-4	CMW4-5	6/13/2008	5	<0.05	<0.05	<0.05
CMW-5	CMW5-5	6/13/2008	5	<0.05	<0.05	<0.05
CMW-6	CMW6-5	6/13/2008	5	<0.05	<0.05	<0.05
CMW-7	CMW7-5	6/13/2008	5	<0.05	<0.05	<0.05
CMW-7	CMW7-7	6/13/2008	7	0.10	0.31	0.064

Notes:

^a Analyzed by EPA Method 8260B.

VOCs = Volatile organic compounds.

< = Not detected at or above the method reporting limit.

Table 9 only includes the VOC analytes detected above the method reporting limits in at least one sample.

Table 10
Soil Sample Analytical Results for SVOCs
Crowley Marine Services Site
Seattle, Washington

Semi-volatile Organic Compounds (SVOCs) ^a	Sample Location		CMW-1	CMW-2a	CMW-3	CMW-3	CMW-3-10	CMW-4	CMW-5	CMW-6	CMW-7	CMW-7
	Sample ID		CMW1-5	CMW2a-4	CMW3-5	CMW3-5	CMW4-5	CMW5-5	CMW6-5	CMW7-5	CMW7-7	CMW7-7
	Date Sampled		6/12/2008	6/12/2008	6/12/2008	6/12/2008	6/13/2008	6/13/2008	6/13/2008	6/13/2008	6/13/2008	6/13/2008
	Approximate Sample Depth (ft)		5	4	5	10	5	5	5	5	5	7
Acenaphthene	Analytical Results in Milligrams per Kilogram (mg/kg)		<0.01	<0.01	<0.01	0.76	0.019	0.011	0.034	<0.01	<0.01	0.15
Acenaphthylene			<0.01	<0.01	<0.01	<0.1	0.033	<0.01	<0.01	<0.1	<0.1	<0.1
Anthracene			<0.01	<0.01	<0.01	23.00	0.066	0.064	0.096	0.34	0.34	0.35
Benzo(a)anthracene			<0.01	<0.01	0.011	1.00	0.18	0.081	0.33	0.68	0.68	0.58
Benzo(a)pyrene			<0.01	<0.01	<0.01	0.78	0.24	0.076	0.35	0.7	0.7	0.6
Benzo(b)fluoranthene			<0.01	<0.01	<0.01	0.82	0.34	0.1	0.37	0.84	0.84	0.52
Benzo(k)fluoranthene			<0.01	<0.01	<0.01	0.37	0.11	0.035	0.12	0.35	0.35	0.22
Benzo(g,h,i)perylene			<0.01	<0.01	<0.01	0.46	0.26	0.074	0.19	0.48	0.48	0.46
Benzyl butyl phthalate			<0.03	<0.03	<0.03	<0.3	20	<0.03	<0.3	<0.3	<0.3	<0.3
Carbazole			<0.03	<0.03	<0.03	6.10	<0.03	<0.03	<0.3	<0.3	<0.3	<0.3
Chrysene			<0.01	<0.01	0.014	3.20	0.34	0.099	0.36	0.97	0.97	0.55
Dibenzofuran			<0.01	<0.01	<0.03	0.78	<0.03	<0.03	<0.3	<0.3	<0.3	<0.3
Dibenz(a,h)anthracene			<0.01	<0.01	<0.01	<0.01	0.05	0.014	0.05	<0.01	<0.01	<0.01
Fluoranthene			<0.01	<0.01	0.021	2.60	0.35	0.17	0.7	1.3	1.3	1.7
Fluorene			<0.01	<0.01	<0.01	1.90	0.019	<0.01	0.039	<0.01	<0.01	0.17
Indeno(1,2,3-cd)pyrene			<0.01	<0.01	<0.01	0.46	0.3	0.07	0.19	0.49	0.49	0.37
2-Methylnaphthalene			<0.03	<0.03	<0.03	0.66	<0.03	<0.03	<0.03	<0.03	<0.03	0.63
Naphthalene			<0.01	<0.01	<0.01	0.90	0.013	<0.01	0.018	<0.01	<0.01	0.15
Phenanthrene			<0.01	<0.01	0.021	3.70	0.23	0.12	0.43	0.6	0.6	1.6
Pyrene			<0.01	<0.01	0.025	2.00	0.35	0.17	0.54	1.1	1.1	1.4

Notes:

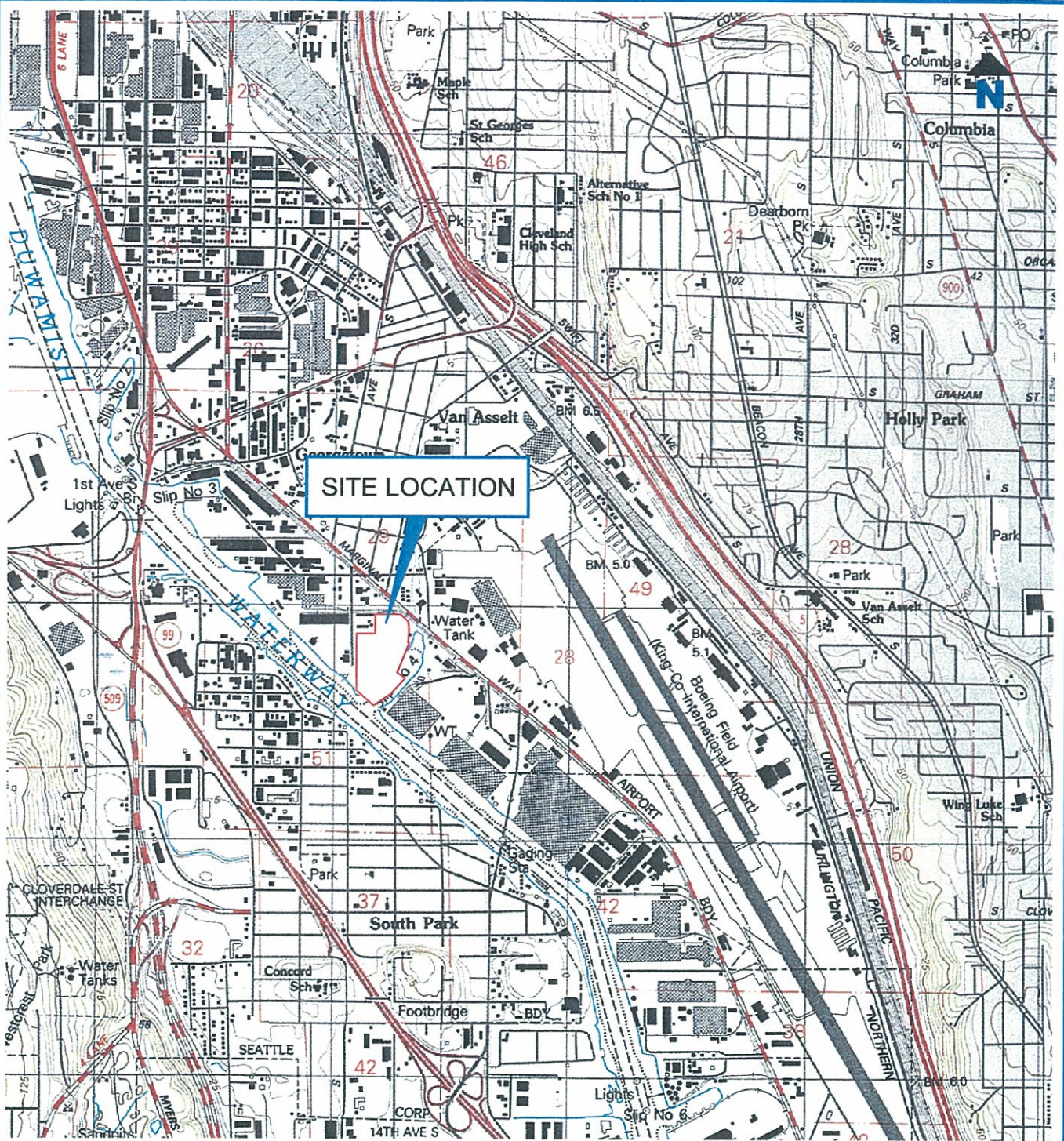
^a Analyzed by EPA Methods 8270C and/or 8270C SIM.

< = Not detected at or above the method reporting limit.

Table 10 only includes the SVOC analytes detected above the method reporting limits in at least one sample.

The polycyclic aromatic hydrocarbon (PAH) concentrations listed in Table 5 are the highest analyzed concentrations from the 8270C and 8270C SIM methods.

FIGURES



— SITE BOUNDARY

SCALE: 1" = 2000'
WHEN PLOTTED AT 8.5 x 11 PAGE SIZE
0 2000 4000 6000'

THIS DRAWING IS FOR CONCEPTUAL PURPOSES ONLY. ACTUAL LOCATIONS MAY VARY AND NOT ALL STRUCTURES ARE SHOWN.



CROWLEY MARINE SERVICES SITE
7400 8TH AVENUE SOUTH
SEATTLE, WA

Report

SUBSURFACE INVESTIGATION REPORT

Drawing

SITE LOCATION MAP

Date July 24, 2008

Scale AS SHOWN

Fig. No.

File Name 001-0205-00010-A1-1

Project No. 001.0205.00011

1

S. GARDEN ST.

MARKEY
MACHINERY
COMPANY

OTHELLO ST.

PARCEL F

CROWLEY
MARINE
SERVICES INC.

PARCEL D

8th AVENUE SOUTH

GATE

LOADING RAMP

SLIP 4

EMERALD
SERVICES

THE
BOEING COMPANY

DUWAMISH
WATERWAY

SCALE: 1" = 100'
WHEN PLOTTED AT 11 x 17 PAGE SIZE
0 100 200 300'

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LOCATIONS MAY VARY AND NOT ALL STRUCTURES ARE SHOWN.

NOTES

DRAWING COMPILED FROM TRIAD ASSOCIATES, KIRKLAND, WA. SURVEY PLAN,
DRAWING 06133--CC052908.DWG

LEGEND

- SITE PROPERTY BOUNDARY
- - - PARCEL D/PARCEL F BOUNDARY
- - - NEIGHBORING PROPERTY BOUNDARIES
- + + + INACTIVE RAIL LINE
- x - FENCE
- 2008 GROUNDWATER MONITORING WELL
- ⊕ 1989 OR 1990 GROUNDWATER MONITORING WELL (ABANDONED OR DESTROYED)
- ⊕ 1989 OR 1990 GROUNDWATER MONITORING WELL
- 1989 OR 1990 SOIL BORING (APPROXIMATE LOCATION)
- × SURFACE WATER SAMPLE LOCATION
- ⊗ SEEP SAMPLE LOCATION

CROWLEY MARINE SERVICES SITE
7400 8TH AVENUE SOUTH
SEATTLE, WA

Report

SUBSURFACE INVESTIGATION REPORT

Drawing SOIL BORING, SURFACE WATER SAMPLE
AND MONITORING WELL LOCATIONS

Date July 21, 2008 Scale AS SHOWN Fig. No. 2
File Name 001-0205-00011-A3-2 Project No. 001.0205.00011



S. GARDEN ST.

MARKEY
MACHINERY
COMPANY

OTHELLO ST.

CITY
OF
SEATTLE

8th AVENUE SOUTH

EMERALD
SERVICES

THE
BOEING COMPANY

DUWAMISH
WATERWAY

THIS DRAWING IS FOR CONCEPTUAL PURPOSES ONLY. ACTUAL
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NOTES
DRAWING COMPILED FROM TRIAD ASSOCIATES, KIRKLAND, WA. SURVEY PLAN,
DRAWING 06133-CC052908.DWG

LEGEND

- SITE PROPERTY BOUNDARY
- NEIGHBORING PROPERTY BOUNDARIES
- INACTIVE RAIL LINE
- FENCE

- 2008 GROUNDWATER MONITORING WELL
- 1989 OR 1990 GROUNDWATER MONITORING WELL
(ABANDONED OR DESTROYED)
- 1989 OR 1990 GROUNDWATER MONITORING WELL

CROSS SECTION PLAN VIEW

CROWLEY MARINE SERVICES SITE
7400 8TH AVENUE SOUTH
SEATTLE, WA

Report

SUBSURFACE INVESTIGATION REPORT

Drawing

CROSS SECTION PLAN VIEW AND
MONITORING WELL LOCATIONS

Date July 21, 2008

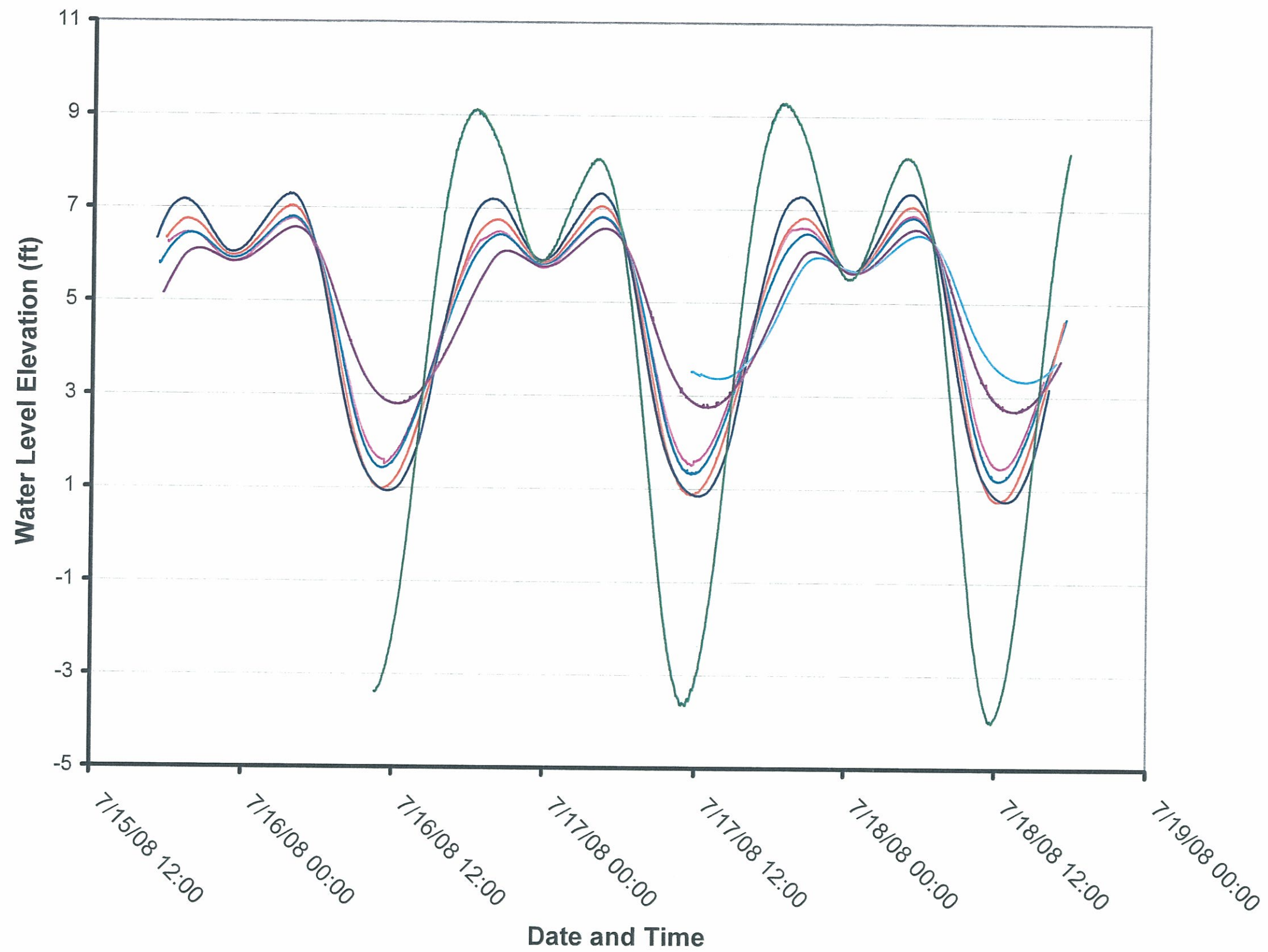
Scale AS SHOWN

Project No. 001-0205-00011-A3-2

Fig. No. 3



SCALE: 1" = 100'
WHEN PLOTTED AT 11 x 17 PAGE SIZE
0 100 200 300'



- CMW-4
- CMW-5
- CMW-6
- CMW-7
- DMW-3
- DMW-6
- Stilling Well

CROWLEY MARINE SERVICES
7400 8TH AVENUE SOUTH
SEATTLE , WASHINGTON

Report
SUBSURFACE INVESTIGATION REPORT

Drawing
SURFACE WATER AND GROUNDWATER
ELEVATIONS DURING TIDAL STUDY

Date	July 25, 2008	Scale	NO SCALE	Fig. No. 4
File Name	001.0205.000011-4	Project No.	001.0205.00011	

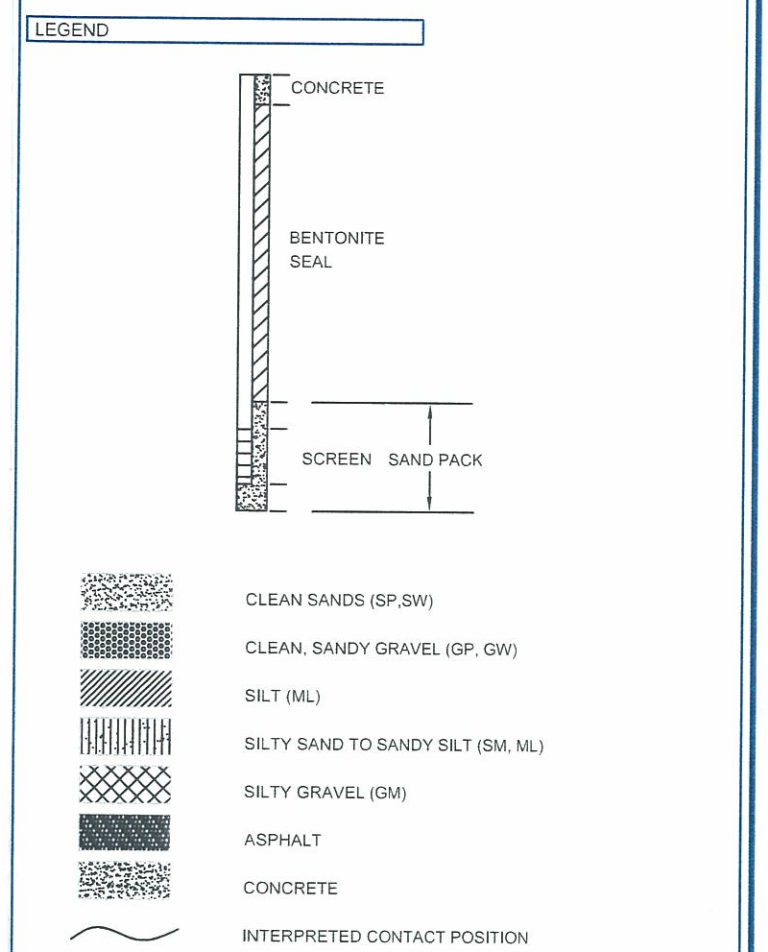


NOTES

DRAWING COMPILED FROM TRIAD ASSOCIATES, KIRKLAND, WA. SURVEY PLAN, DRAWING 06133-CC052908.DWG AND SUN AND ASSOCIATES, SEATTLE, WA. SHEET PILE DETAIL AND TYPICAL ELEVATION SECTION 42' PIER YARD.

VERTICAL ELEVATION-NAVD 88

SEDIMENT ELEVATION INFERRED FROM DAVIS EVANS AND ASSOCIATES, PORTLAND, OR. BATHYMETRIC CONTOURS RIVER MILE 2.2 TO 3.1



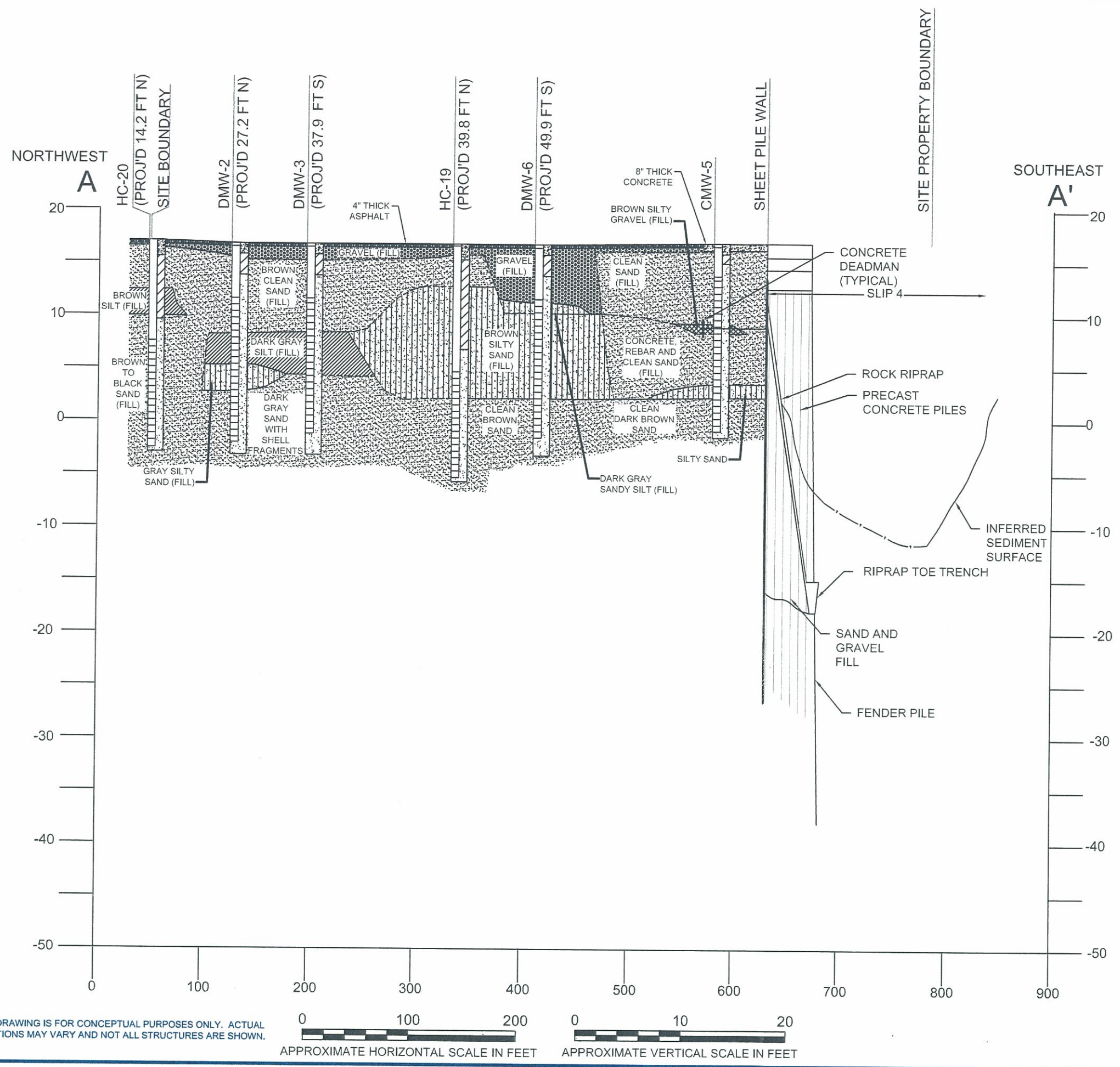
CROWLEY MARINE SERVICES SITE
 7400 8TH AVENUE SOUTH
 SEATTLE, WA

Report
SUBSURFACE INVESTIGATION REPORT

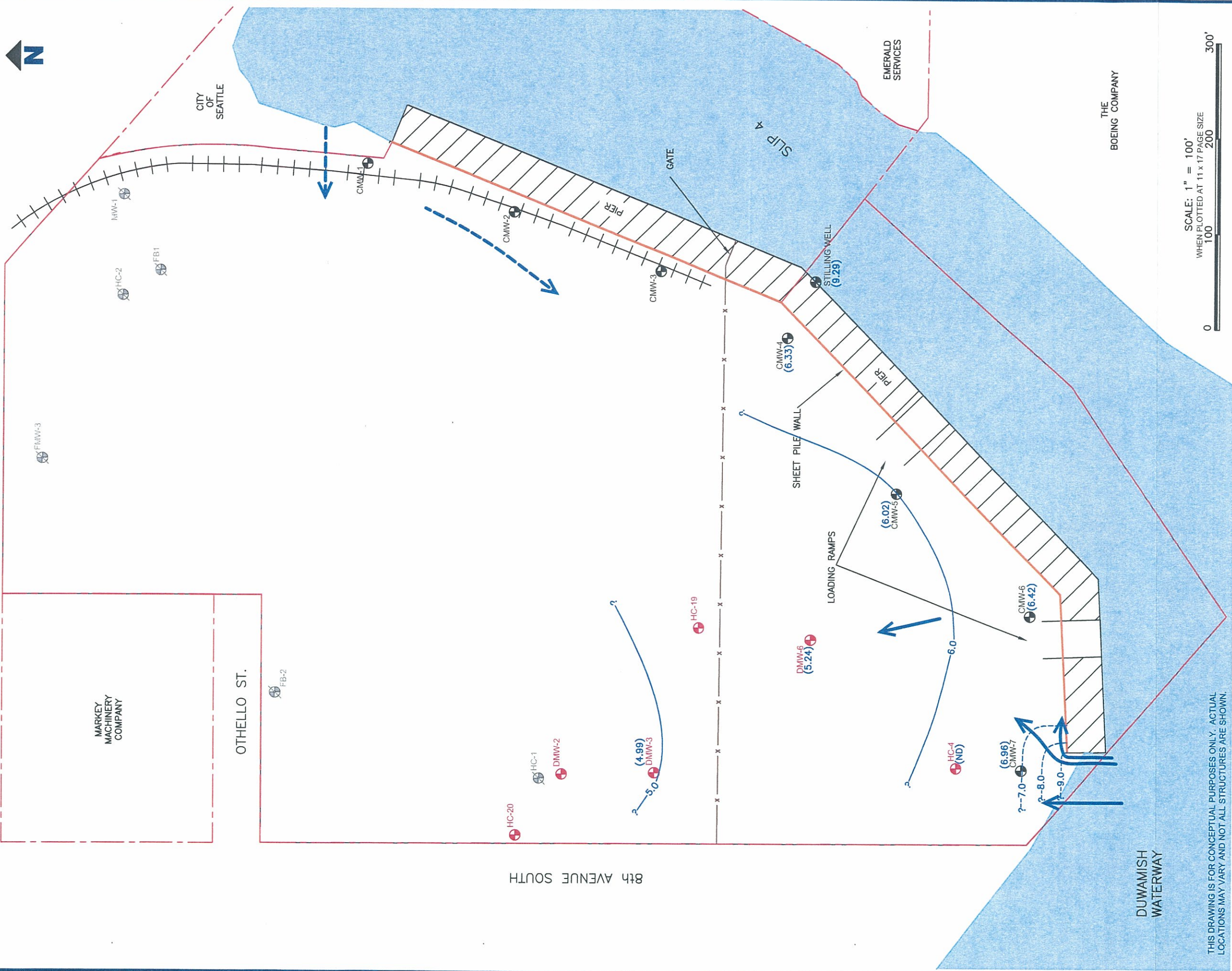
Drawing
GEOLOGIC CROSS SECTION A-A'

Date	July 21, 2008	Scale	AS SHOWN	Fig. No.	5
File Name	001-0205-00011-A3-3	Project No.	001.0205.00011		

SLR



S. GARDEN ST.



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SCALE: 1" = 100'
WHEN PLOTTED AT 11 x 17 PAGE SIZE
0 100 200 300'

NOTES

DRAWING COMPILED FROM TRIAD ASSOCIATES, KIRKLAND, WA. SURVEY PLAN, DRAWING 06133-CC052908.DWG

LOCATIONS OF STRUCTURES ARE APPROXIMATE

LEGEND

- SITE PROPERTY BOUNDARY
- - - NEIGHBORING PROPERTY BOUNDARIES
- + + + INACTIVE RAIL LINE
- x - FENCE
- 2008 GROUNDWATER MONITORING WELL
- ⊕ 1989 OR 1990 GROUNDWATER MONITORING WELL (ABANDONED OR DESTROYED)
- ⊕ 1989 OR 1990 GROUNDWATER MONITORING WELL
- (ND) NO DATA
- 5.0 — INFERRED WATER TABLE ELEVATION CONTOUR (IN FEET)
- INFERRED GROUNDWATER AND SURFACE WATER FLOW DIRECTION
- (4.99) WATER TABLE OR SURFACE WATER ELEVATION IN FEET AS OF 18:52 ON 7/17/2008 (HIGH TIDE)

CROWLEY MARINE SERVICES SITE
7400 8TH AVENUE SOUTH
SEATTLE, WA

Report

SUBSURFACE INVESTIGATION REPORT

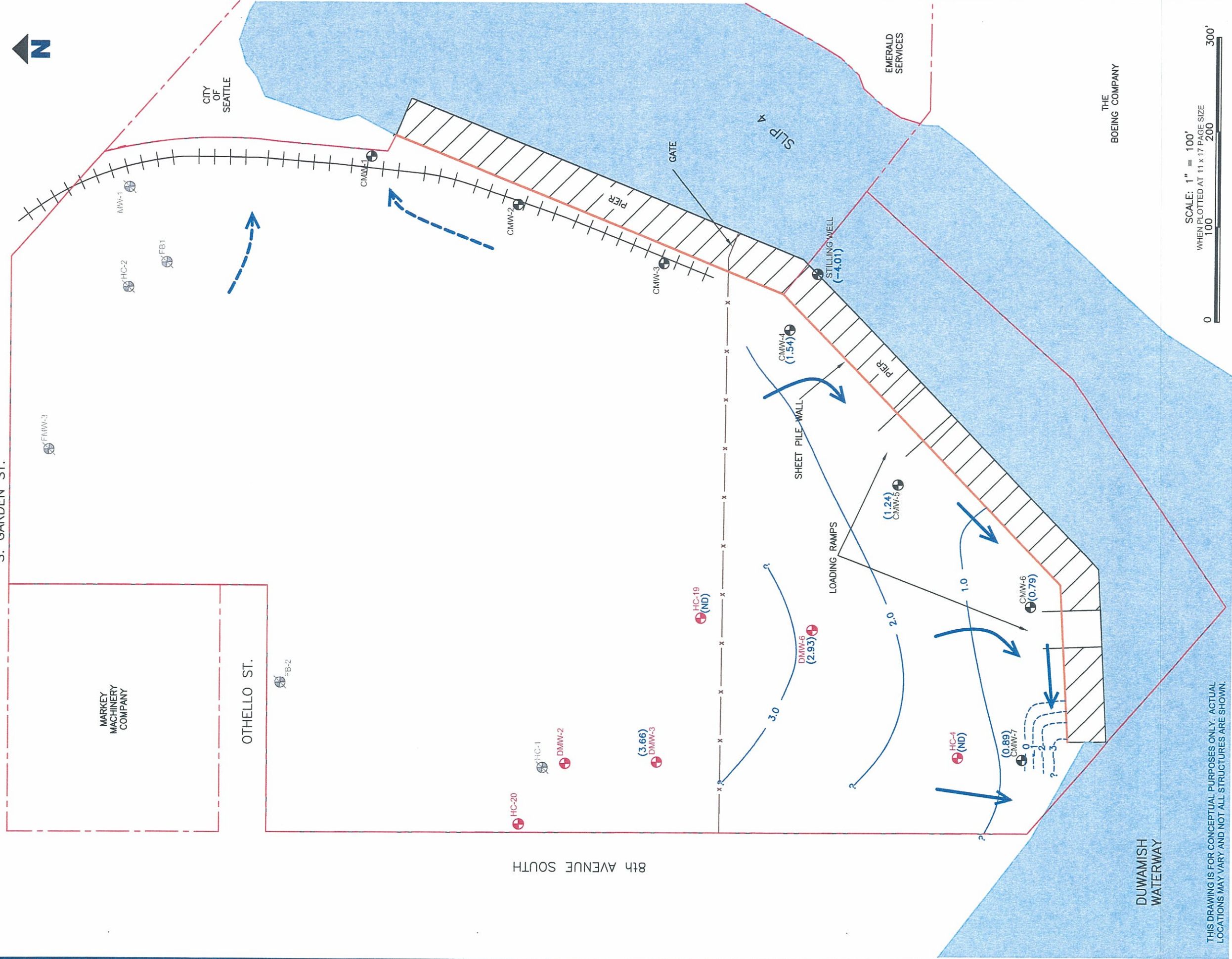
Drawing

INFERRED GROUNDWATER AND SURFACE WATER
FLOW DIRECTIONS DURING HIGH TIDE

Date July 21, 2008
Scale AS SHOWN
Project No. 001-0205-00011-A3-2
File Name 001-0205-00011-A3-2
Fig. No. 6



S. GARDEN ST.



SCALE: 1" = 100'
WHEN PLOTTED AT 11 x 17 PAGE SIZE
0 100 200 300'

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NOTES
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LOCATIONS OF STRUCTURES ARE APPROXIMATE

LEGEND

- SITE PROPERTY BOUNDARY
- NEIGHBORING PROPERTY BOUNDARIES
- INACTIVE RAIL LINE
- FENCE
- 2008 GROUNDWATER MONITORING WELL
- 1989 OR 1990 GROUNDWATER MONITORING WELL (ABANDONED OR DESTROYED)
- 1989 OR 1990 GROUNDWATER MONITORING WELL
- NO DATA
- INFERRED WATER TABLE ELEVATION CONTOUR (IN FEET)
- INFERRED GROUNDWATER FLOW DIRECTION
- WATER TABLE OR SURFACE WATER ELEVATION IN FEET AS OF 11:44 ON 7/18/2008 (LOW TIDE)

CROWLEY MARINE SERVICES SITE
7400 8TH AVENUE SOUTH
SEATTLE, WA

Report

SUBSURFACE INVESTIGATION REPORT

Drawing

INFERRED GROUNDWATER FLOW DIRECTIONS
DURING LOW TIDE

Date July 21, 2008

Scale AS SHOWN

Project No. 001-0205-00011-A3-2

Fig. No. 7

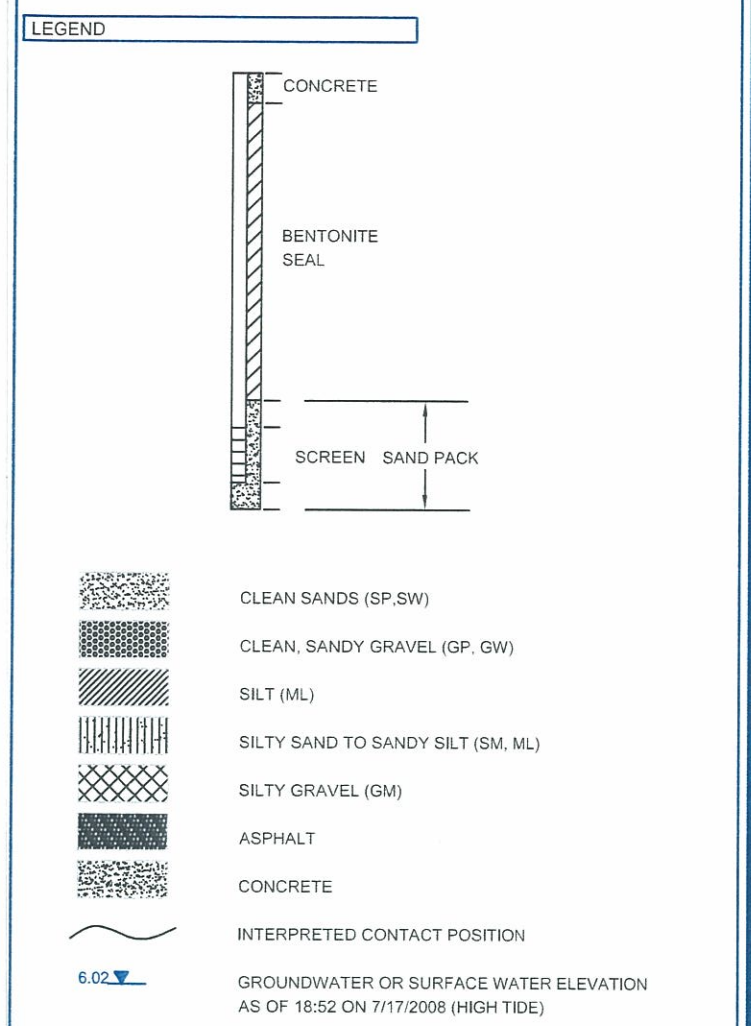


NOTES

DRAWING COMPILED FROM TRIAD ASSOCIATES, KIRKLAND, WA. SURVEY PLAN, DRAWING 06133-CC052908.DWG AND SUN AND ASSOCIATES, SEATTLE, WA. SHEET PILE DETAIL AND TYPICAL ELEVATION SECTION 42' PIER YARD.

VERTICAL ELEVATION-NAVD 88

SEDIMENT ELEVATION INFERRED FROM DAVIS EVANS AND ASSOCIATES, PORTLAND, OR. BATHYMETRIC CONTOURS RIVER MILE 2.2 TO 3.1



CROWLEY MARINE SERVICES SITE
 7400 8TH AVENUE SOUTH
 SEATTLE, WA

Report

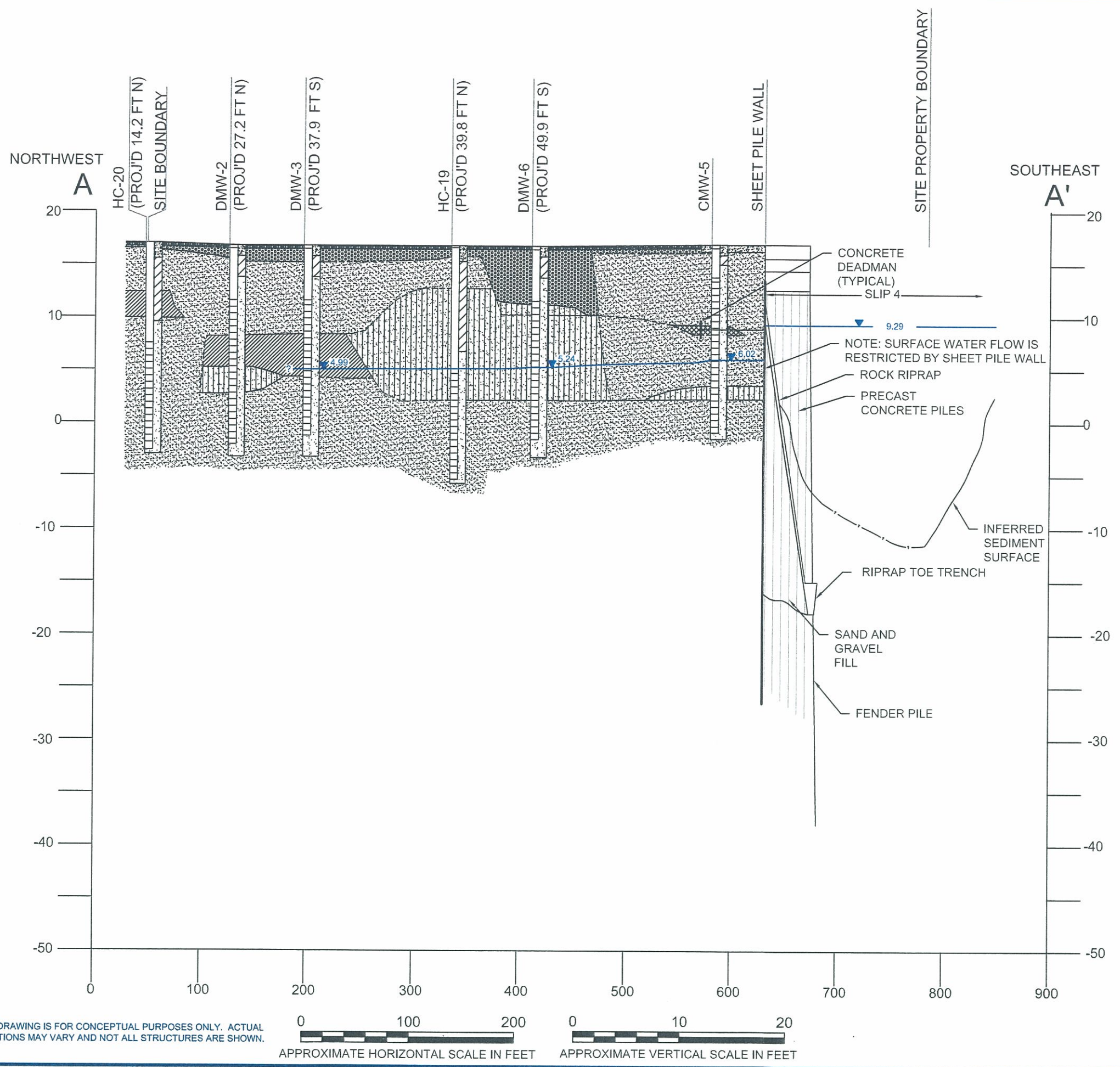
SUBSURFACE INVESTIGATION REPORT

Drawing

**HYDROGEOLOGIC CROSS SECTION A-A'—
HIGH TIDE CONDITIONS**

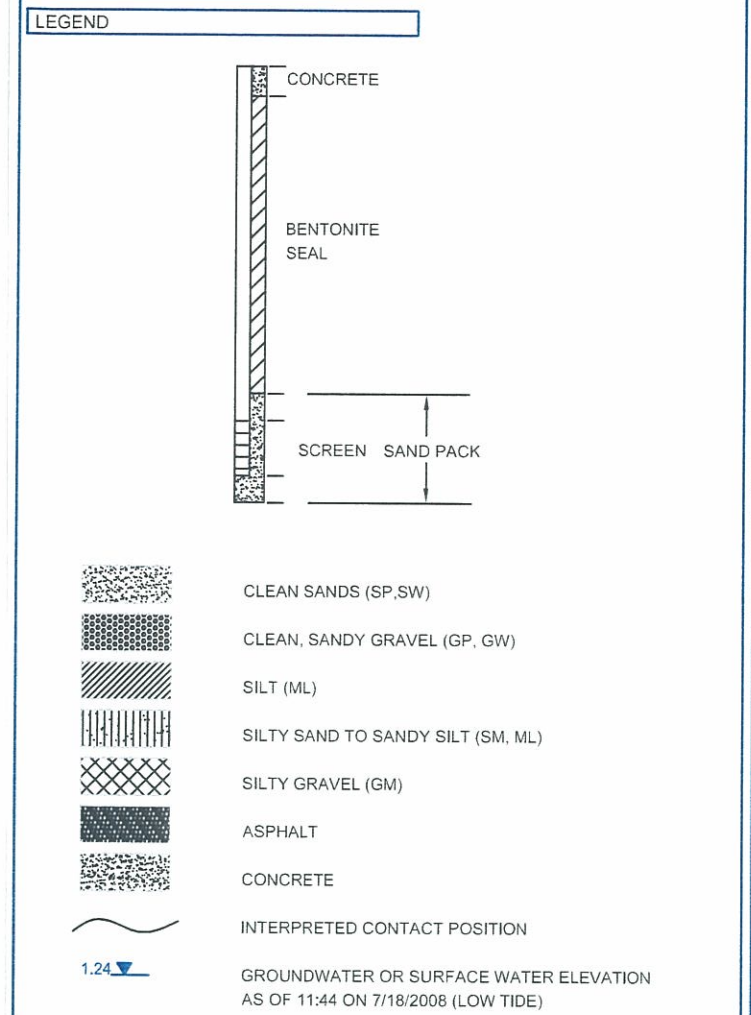
Date	July 21, 2008	Scale	AS SHOWN	Fig. No.	8
File Name	001-0205-00011-A3-3	Project No.	001.0205.00011		

SLR



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NOTES
 DRAWING COMPILED FROM TRIAD ASSOCIATES, KIRKLAND, WA. SURVEY PLAN, DRAWING 06133-CC052908.DWG AND SUN AND ASSOCIATES, SEATTLE, WA. SHEET PILE DETAIL AND TYPICAL ELEVATION SECTION 42' PIER YARD.
 VERTICAL ELEVATION-NAVD 88
 SEDIMENT ELEVATION INFERRED FROM DAVIS EVANS AND ASSOCIATES, PORTLAND, OR. BATHYMETRIC CONTOURS RIVER MILE 2.2 TO 3.1

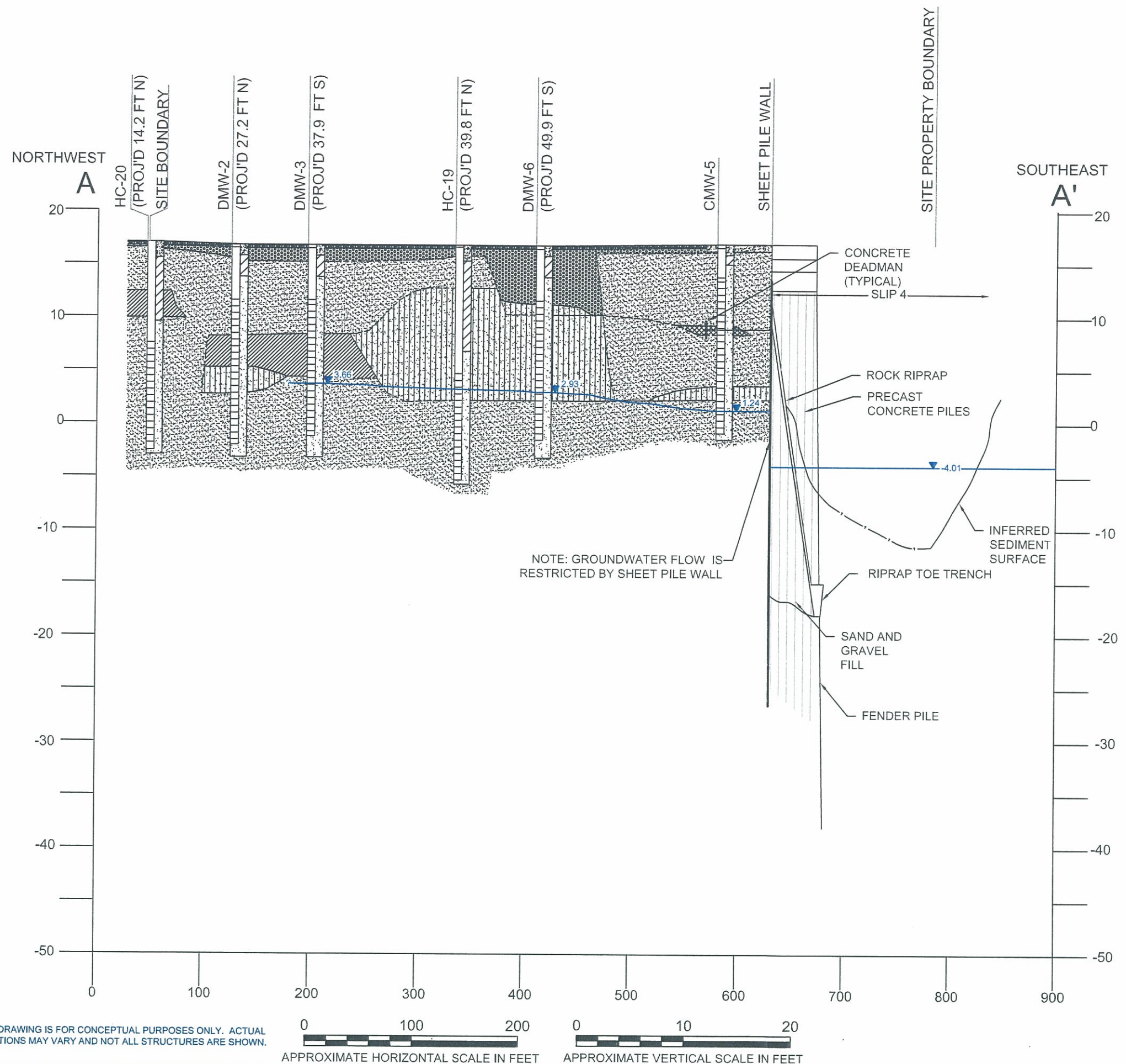


CROWLEY MARINE SERVICES SITE
 7400 8TH AVENUE SOUTH
 SEATTLE, WA

Report
SUBSURFACE INVESTIGATION REPORT

Drawing
HYDROGEOLOGIC CROSS SECTION A-A'—LOW TIDE CONDITIONS

Date	July 21, 2008	Scale	AS SHOWN	Fig. No.	9
File Name	001-0205-00011-A3-3	Project No.	001.0205.00011		



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S. GARDEN ST.



MARKEY
MACHINERY
COMPANY

SHOP

OTHELLO ST.

TRAILER
FORMER
SCALE
CANOPY

ASPHALT

8th AVENUE SOUTH

UPRR

ALASKA
LOGISTICS

SECURITY SHACK

OFFICES

SHOP

STORAGE SHED

LOADING RAMP

GATE

SLIP 4

EMERALD SERVICES

THE
BOEING COMPANY

DUWAMISH
WATERWAY

SCALE: 1" = 100'
WHEN PLOTTED AT 11 x 17 PAGE SIZE
100 200 300'

THIS DRAWING IS FOR CONCEPTUAL PURPOSES ONLY. ACTUAL
LOCATIONS MAY VARY AND NOT ALL STRUCTURES ARE SHOWN.

NOTES

DRAWING COMPILED FROM TRIAD ASSOCIATES, KIRKLAND, WA. SURVEY PLAN,
DRAWING 06133-CC052908.DWG

LOCATIONS OF STRUCTURES ARE APPROXIMATE

LEGEND

- SITE PROPERTY BOUNDARY
- NEIGHBORING PROPERTY BOUNDARIES
- INACTIVE RAIL LINE
- FENCE
- STORMWATER CONVEYANCE
- STORMWATER CATCH BASIN
- SUMP OR CATCH BASIN
- STORMWATER FLOW DIRECTION
- OUTFALL
- 2008 GROUNDWATER MONITORING WELL
- 1989 OR 1990 GROUNDWATER MONITORING WELL
(ABANDONED OR DESTROYED)
- 1989 OR 1990 GROUNDWATER MONITORING WELL

CROWLEY MARINE SERVICES SITE
7400 8TH AVENUE SOUTH
SEATTLE, WA

Report
SUBSURFACE INVESTIGATION REPORT

Drawing
STORMWATER SYSTEM

Date July 21, 2008
File Name 001-0205-00011-A3-9
Scale AS SHOWN
Project No. 001.0205.00011
Fig. No. 10



APPENDIX A
SOIL BORING LOGS



SLR International Corp

22122 20th Avenue SE
Bothell, Washington 98021
Telephone: 425.402.8800
Fax: 425.402.8488

WELL NUMBER CMW-1

PAGE 1 OF 1

CLIENT Crowley Marine ServicesPROJECT NAME 7400 8th Avenue SouthPROJECT NUMBER 001.0205.00011PROJECT LOCATION Seattle, WADATE STARTED 6/12/08COMPLETED 6/12/08

GROUND ELEVATION _____

HOLE SIZE 8-inch diameterDRILLING DRILLING CONTRACTOR Cascade Drilling

GROUND WATER LEVELS:

DRILLING DRILLING METHOD Hollow Stem Auger▽ AT TIME OF DRILLING 12.0 ftLOGGED BY K Saganski

CHECKED BY _____

AT END OF ---

NOTES _____

AFTER DRILLING ---

DEPTH (ft)	INTERVAL	TYPE	NAME	BLOW COUNTS PER FOOT (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0									
					GP		SAND and GRAVEL (FILL), brown, fine to coarse grained, little silt, dense, moist.		Concrete
		DM		60			3.1		Hydrated bentonite chips
					SP		SAND (FILL), brown, fine to medium grained, trace silt, loose, moist to wet.	0	Blank 2-inch schedule 40 PVC riser
5		DM	CMW1-5	15				0	
					SM		6.0		2 1/2 Lapis Lustre sand pack
		DM		10				0	
					SP		10.4		2-inch schedule 40 PVC, 0.010-inch slotted screen
10		DM		6				0	
					SM		12.25' Becomes, grey, fine grained, with few wood pieces, wet, sulfur-like odor.	0	
		DM		3				0	
					SP		13.5		
					SM		14.5		
15		DM		3				0	
					SP		15.0		
					ML		16.0		
					SM				
		DM		4				0	
					SP		18.5		End cap
20		DM		14				0	
					SP		20.0		

Boring completed at 20 feet below ground surface.

REMARKS

DM=Dames & Moore split barrel sampler.

▽ Water level at time of drilling:

SLR GENERAL CROWLEY MARINE SVCS1.GPJ GINT US.GDT 7/29/08



22122 20th Avenue SE
Bothell, Washington 98021
Telephone: 425.402.8800
SLR International Corp Fax: 425.402.8488

WELL NUMBER CMW-2

PAGE 1 OF 1

CLIENT Crowley Marine Services

PROJECT NAME 7400 8th Avenue South

PROJECT NUMBER 001.0205.00011

PROJECT LOCATION Seattle, WA

DATE STARTED 6/12/08

COMPLETED 6/12/08

GROUND ELEVATION _____

HOLE SIZE 8-inch diameter

DRILLING DRILLING CONTRACTOR Cascade Drilling

GROUND WATER LEVELS:

DRILLING DRILLING METHOD Hollow Stem Auger

▽ AT TIME OF DRILLING 11.0 ft

LOGGED BY K Saganski

CHECKED BY _____

AT END OF _____

NOTES _____

AFTER DRILLING _____

DEPTH (ft)	INTERVAL	TYPE	NAME	BLOW COUNTS PER FOOT (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0							SANDY GRAVEL AND SAND (FILL), based on cuttings.		
5					GP				
10	DM			8, 50/1"	SP		SAND, brown, fine- to coarse-grained, little silt, dense, moist to wet, no odors.	0	
15					SM		SILTY SAND, dark brown, fine-grained, very loose, wet, sulfur-like odor.		
	DM			4				3	
18.0									

Boring completed at 18 feet below ground surface.

REMARKS

DM=Dames & Moore split barrel sampler.

▽ Water level at time of drilling.

SLR GENERAL CROWLEY MARINE SVCS1.GPJ GINT US.GDT 7/29/08



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Bothell, Washington 98021
Telephone: 425.402.8800
Fax: 425.402.8488

BORING NUMBER CMW-2a

PAGE 1 OF 1

CLIENT Crowley Marine ServicesPROJECT NAME 7400 8th Avenue SouthPROJECT NUMBER 001.0205.00011PROJECT LOCATION Seattle, WADATE STARTED 6/12/08COMPLETED 6/12/08GROUND ELEVATION _____ HOLE SIZE 8-inch diameterDRILLING DRILLING CONTRACTOR Cascade Drilling

GROUND WATER LEVELS:

DRILLING DRILLING METHOD Hollow Stem Auger▽ AT TIME OF DRILLING 11.5 ftLOGGED BY K Saganski

CHECKED BY _____

AT END OF _____

NOTES _____

AFTER DRILLING _____

DEPTH (ft)	INTERVAL	TYPE	NAME	BLOW COUNTS PER FOOT (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0								
					GP		SANDY GRAVEL (FILL).	
		DM		30			3.0	
5		DM	CMW2a-4	27	SP		SAND (FILL), brown, fine- to medium-grained, little silt, medium dense, moist.	0
							5.2': Trace coarse gravel, becomes wet.	0
		DM		14, 50/1"			6': GRAVELLY SAND (FILL), brown, fine- to medium-grained, trace silt, medium dense, moist to wet.	0
					GM		SILTY GRAVEL (FILL), brown, fine- to coarse-grained, little fine- to coarse-grained sand, dense to loose, moist to wet.	
10		DM		11			9.4': Some wood.	
					SP		SAND, brown, fine- to medium-grained, little silt, dense, moist to wet.	
		DM		50/6"			▽	
							No recovery; rock in sampler.	
							13.5	
15		DM		8, 50/4"	GP		SANDY GRAVEL, brown, fine- to coarse-grained, little silt, dense, wet.	
							15.3	

Boring completed at 15.3 feet below ground surface.

REMARKS

DM=Dames & Moore split barrel sampler.

▽ Water level at time of drilling.

SLR GENERAL CROWLEY MARINE SVCS1.GPJ GINT US.GDT 7/29/08



22122 20th Avenue SE
Bothell, Washington 98021
Telephone: 425.402.8800

SLR International Corp Fax: 425.402.8488

WELL NUMBER CMW-3

PAGE 1 OF 1

CLIENT Crowley Marine Services

PROJECT NAME 7400 8th Avenue South

PROJECT NUMBER 001.0205.00011

PROJECT LOCATION Seattle, WA

DATE STARTED 6/12/08

COMPLETED 6/12/08

GROUND ELEVATION _____

HOLE SIZE 8-inch diameter

DRILLING DRILLING CONTRACTOR Cascade Drilling

GROUND WATER LEVELS:

DRILLING DRILLING METHOD Hollow Stem Auger

▽ AT TIME OF DRILLING 10.3 ft

LOGGED BY K Saganski

CHECKED BY _____

AT END OF _____

NOTES _____

AFTER DRILLING _____

DEPTH (ft)	INTERVAL	TYPE	NAME	BLOW COUNTS PER FOOT (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0									
					GP		SANDY GRAVEL (FILL) , brown, fine- to coarse-grained, little silt, medium dense, moist to wet.		
		DM		49			3.5'	0	
5		DM	CMW3-5	24			3.5': SAND (FILL) , brown, fine- to medium-grained, trace silt, medium dense, moist.	0	
							5': Little fine to coarse gravel.	0	
		DM		23	SP			0	
10							9.2': Coarse gravel reported by drillers.		
		DM	CMW3-10		GP		10.0' ▽ SANDY GRAVEL (FILL) , dark gray to black, fine- to coarse-grained, some silt, wet, chemical odor.	0	
		DM					10.3': Becomes brown, no chemical odor.	0	
					SM		SILTY SAND , brown, fine- to coarse-grained, little fine to coarse gravel, wet, no odors.	0	
15									
							15.5'		
					SP		SAND , brown, fine- to coarse-grained, few red and white grains, very loose, wet.		
		DM		5			19.5'	0	

Boring completed at 19.5 feet below ground surface.

REMARKS

DM=Dames & Moore split barrel sampler.

▽ Water level at time of drilling.

SLR GENERAL CROWLEY MARINE SVCS1.GPJ GINT US.GDT 7/29/08



SLR International Corp

22122 20th Avenue SE
Bothell, Washington 98021
Telephone: 425.402.8800
Fax: 425.402.8488

WELL NUMBER CMW-4

PAGE 1 OF 1

CLIENT Crowley Marine ServicesPROJECT NAME 7400 8th Avenue SouthPROJECT NUMBER 001.0205.00011PROJECT LOCATION Seattle, WADATE STARTED 6/13/08COMPLETED 6/13/08GROUND ELEVATION _____ HOLE SIZE 8-inch diameterDRILLING DRILLING CONTRACTOR Cascade Drilling

GROUND WATER LEVELS:

DRILLING DRILLING METHOD Hollow Stem Auger▽ AT TIME OF DRILLING 9.0 ftLOGGED BY K Saganski

CHECKED BY _____

AT END OF ---

NOTES _____

AFTER DRILLING ---

DEPTH (ft)	INTERVAL	TYPE	NAME	BLOW COUNTS PER FOOT (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0									
					GP	0.3 0.8	ASPHALT GRAVEL (FILL). SAND (FILL), brown, fine- to medium-grained, some fine to coarse gravel, little silt, medium dense, moist.		Concrete
		DM		45	SP			0	Hydrated bentonite chips
5		DM	CMW4-5	24		5.0		0	Blank 2-inch schedule 40 PVC riser
		DM		10	ML		SILT (FILL), brown to gray, little brick, wood, and gravel, little fine- to coarse-grained sand, medium dense, moist. 6.0': Becomes sandy, brown, with little brick and fine to coarse gravel, loose, moist to wet.	0	2/12 Lapis Lustre sand pack
10		DM		27	SM	8.5	▽ SILTY SAND (FILL), dark brown, fine- to medium-grained, medium dense, wet, slight sheen, no odors.	0	
		DM		23, 50/4"	SP	10.0	SAND (FILL), dark brown, fine- to medium-grained, some brick and metal, little fine to coarse gravel, little silt, medium dense, wet.	0	2-inch schedule 40 PVC, 0.010-inch slotted screen
						12.6	11.7': CONCRETE AND SAND (FILL) brown and gray, fine to coarse grained, little silt, dense, wet. SAND, gray, fine- to medium, little silt, dense to medium dense, wet.	0	
15		DM		27	SP		14.4': Becomes brown, some fine to coarse gravel.	0	
		DM		14			16': Becomes dark brown to black, fine- to coarse-grained, with little silt and fine gravel, few red and white grains, loose, wet.	0	
						18.4			End cap

Boring completed at 18.4 feet below ground surface.

REMARKS

DM=Dames & Moore split barrel sampler.

▽ Water level at time of drilling.

SLR GENERAL CROWLEY MARINE SVCS1.GPJ GINT US.GDT 7/29/08



22122 20th Avenue SE
Bothell, Washington 98021
Telephone: 425.402.8800
SLR International Corp Fax: 425.402.8488

WELL NUMBER CMW-5

PAGE 1 OF 1

CLIENT Crowley Marine Services

PROJECT NAME 7400 8th Avenue South

PROJECT NUMBER 001.0205.00011

PROJECT LOCATION Seattle, WA

DATE STARTED 6/13/08

COMPLETED 6/13/08

GROUND ELEVATION _____

HOLE SIZE 8-inch diameter

DRILLING DRILLING CONTRACTOR Cascade Drilling

GROUND WATER LEVELS:

DRILLING DRILLING METHOD Hollow Stem Auger

▽ AT TIME OF DRILLING 13.5 ft

LOGGED BY K Saganski

CHECKED BY _____

AT END OF _____

NOTES _____

AFTER DRILLING _____

DEPTH (ft)	INTERVAL	TYPE	NAME	BLOW COUNT'S PER FOOT (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0									
					GP	0.3 0.8	ASPHALT GRAVEL (FILL) SAND (FILL), brown, fine- to medium-grained, trace silt, dense, moist.		Concrete
		DM		50/3"				0	Hydrated bentonite chips
									Blank 2-inch schedule 40 PVC riser
					SP		SAND (FILL), brown, fine- to coarse-grained, some silt, little fine to coarse gravel, dense, moist.	0	
5		DM	CMW5-5	50/2"				0	
									2/12 Lapis Lustre sand pack
		DM		22		7.6		0	
					GM	8.5	SILTY GRAVEL (FILL), brown, fine to coarse, little fine- to coarse-grained sand, medium dense, moist.		
							CONCRETE AND SAND (FILL), brown to gray, fine- to coarse-grained sand, little silt, medium dense, moist to wet.		
10		DM		30				0	
					SP				2-inch schedule 40 PVC, 0.010-inch slotted screen
		DM		50/6"		12.0	12': Refusal; moved 22' to the north.	0	
					SP	13.3	CONCRETE, REBAR AND SAND (FILL), brown, fine- to coarse-grained, little silt, dense, moist.		
					SM	14.6	SILTY SAND, dark brown, fine- to medium-grained, few red and white grains, very loose, wet.		
15		DM		6			SAND, dark brown, fine-grained, little silt, very loose, wet.	0	
					SP		16': SAND, dark brown, fine- to medium-grained, trace silt, loose, few red and white grains, loose, wet.	0	
		DM		8				0	
						18.4			End cap

Boring completed at 18.4 feet below ground surface.

REMARKS

DM=Dames & Moore split barrel sampler.

▽ Water level at time of drilling.

SLR GENERAL CROWLEY MARINE SVCS1.GPJ GINT US.GDT 7/29/08



SLR International Corp

22122 20th Avenue SE
Bothell, Washington 98021
Telephone: 425.402.8800
Fax: 425.402.8488

WELL NUMBER CMW-6

PAGE 1 OF 1

CLIENT Crowley Marine ServicesPROJECT NAME 7400 8th Avenue SouthPROJECT NUMBER 001.0205.00011PROJECT LOCATION Seattle, WADATE STARTED 6/13/08COMPLETED 6/13/08

GROUND ELEVATION _____

HOLE SIZE 8-inch diameterDRILLING DRILLING CONTRACTOR Cascade Drilling

GROUND WATER LEVELS:

DRILLING DRILLING METHOD Hollow Stem Auger▽ AT TIME OF DRILLING 11.1 ftLOGGED BY K Saganski

CHECKED BY _____

AT END OF _____

NOTES _____

AFTER DRILLING _____

DEPTH (ft)	INTERVAL	TYPE	NAME	BLOW COUNTS PER FOOT (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0									
					GP	0.3 1.3	ASPHALT GRAVEL (FILL).		Concrete
					SP	3.5	SAND (FILL), brown, fine- to medium-grained, some fine to coarse gravel, trace silt, medium dense, moist.	0	Hydrated bentonite chips
5		DM	CMW6-5	26				0	Blank 2-inch schedule 40 PVC riser
					SM		SILTY SAND (FILL), fine- to medium-grained, some fine to coarse gravel, loose, moist. 5': Some concrete and asphalt fragments. 6.5': Brick and concrete fragments.	0	
		DM		13				0	2/12 Lapis Lustre sand pack
10		DM		26			SANDY GRAVEL (FILL), brown, fine- to coarse-grained, little silt, some cobbles, medium dense, moist to wet,.	0	
					GP	14.0 14.3	▽ 11.5': Becomes brown to black, few wood and brick fragments, becomes wet.	0	2-inch schedule 40 PVC, 0.010-inch slotted screen
15		DM		10			CONCRETE SAND, reddish brown to gray, fine- to medium-grained, few silt, few red and white grains, loose, wet.	0	
					SP		16.5': Becomes black with few red and white grains.	0	
		DM							
						19.9			End cap

Boring completed at 19.9 feet below ground surface.

REMARKS

DM=Dames & Moore split barrel sampler.

▽ Water level at time of drilling.

SLR GENERAL CROWLEY MARINE SVCS1.GPJ GINT US.GDT 7/29/08

CLIENT Crowley Marine Services

PROJECT NAME 7400 8th Avenue South

PROJECT NUMBER 001.0205.00011

PROJECT LOCATION Seattle, WA

DATE STARTED 6/13/08

COMPLETED 6/13/08

GROUND ELEVATION

HOLE SIZE 8-inch diameter

DRILLING DRILLING CONTRACTOR Cascade Drilling

GROUND WATER LEVELS:

DRILLING DRILLING METHOD Hollow Stem Auger

▽ AT TIME OF DRILLING 11.0 ft

LOGGED BY K Saganski

CHECKED BY

AT END OF ----

NOTES

AFTER DRILLING ----

DEPTH (ft)	INTERVAL	TYPE	NAME	BLOW COUNTS PER FOOT (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0									
					GP	0.3 0.8	ASPHALT GRAVEL AND SAND (FILL), little silt.		Concrete
	DM			13, 50/6"	SP		SAND (FILL), brown, fine- to medium-grained, dense, moist.	0	Hydrated bentonite chips
5	DM		CMW7-5	44	SM	4.5 5.1	SILTY SAND (FILL), gray, fine- to medium-grained, some gravel and brick, medium dense, moist. SAND (FILL), brown, fine- to medium-grained, medium dense, moist.	0	Blank 2-inch schedule 40 PVC riser
	DM				SP		7': Slight chemical odor.	8.9	2/12 Lapis Lustre sand pack
10	DM			9			9': SAND (FILL), brown, fine-grained, trace silt, interbedded with 2" thick silt lens, loose, moist to wet. (bits of wire and brick in slough)	0	
	DM			7	SM	12.0	SILTY SAND, brown, fine-grained, wet, interbedded with 1-2" thick silt and sand lenses.	0	2-inch schedule 40 PVC, 0.010-inch slotted screen
15	DM			6		14.5	SAND, dark brown to black, fine- to medium-grained, few red and white grains, very loose, wet.	0	
	DM			11	SP		16.5': Color grades from brown to reddish brown, then to black. 17.7': Wood.	0	
						19.7			End cap

Boring completed at 19.7' below ground surface.

REMARKS

DM=Dames & Moore split barrel sampler.

 Water level at time of drilling.

USLR GENERAL CROWLEY MARINE SVCS1.GPJ GINT US.GDT 7/29/08

APPENDIX B
TIDAL STUDY DATA

APPENDIX C
LABORATORY REPORTS

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

June 30, 2008

Mike Staton, Project Manager
SLR International Corp.
22122 20th Ave. SE., H-150
Bothell, WA 98021

Dear Mr. Staton:

Included are the results from the testing of material submitted on June 13, 2008 from the 001.0205.00010, F&BI 806166 project. There are 55 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
SLR0630R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on June 13, 2008 by Friedman & Bruya, Inc. from the SLR International Corp. 001.0205.00010, F&BI 806166 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>SLR International Corp.</u>
806166-01	CMW1-5
806166-02	CMW2a-4
806166-03	CMW3-5
806166-04	CMW3-10
806166-05	CMW7-5
806166-06	CMW7-7
806166-07	CMW6-5
806166-08	CMW5-5

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/30/08
Date Received: 06/13/08
Project: 001.0205.00010, F&BI 806166
Date Extracted: 06/16/08
Date Analyzed: 06/16/08

**RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
USING METHOD NWTPH-Gx**

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

<u>Sample ID</u> Laboratory ID	<u>Gasoline Range</u>	Surrogate (% Recovery) (Limit 50-150)
CMW1-5 806166-01	<2	94
CMW2a-4 806166-02	<2	94
CMW3-5 806166-03	<2	102
CMW3-10 806166-04	<2	88
CMW7-5 806166-05	<2	95
CMW7-7 806166-06	110	ip
CMW6-5 806166-07	<2	103
CMW5-5 806166-08	<2	95
Method Blank	<2	106

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/30/08

Date Received: 06/13/08

Project: 001.0205.00010, F&BI 806166

Date Extracted: 06/18/08

Date Analyzed: 06/21/08

**RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS
DIESEL AND MOTOR OIL
USING METHOD NWTPH-Dx
Sample Extracts Passed Through a
Silica Gel Column Prior to Analysis
Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)**

<u>Sample ID</u> Laboratory ID	<u>Diesel Range</u> (C ₁₀ -C ₂₅)	<u>Motor Oil Range</u> (C ₂₅ -C ₃₆)	<u>Surrogate</u> (% Recovery) (Limit 67-127)
CMW1-5 806166-01	<50	<250	107
CMW2a-4 806166-02	<50	<250	107
CMW3-5 806166-03	<50	<250	110
CMW3-10 806166-04	120	<250	101
CMW7-5 806166-05	5,000 x	7,500	130
CMW7-7 806166-06	310	<250	106
CMW6-5 806166-07	72 x	570	104
CMW5-5 806166-08	110 x	510	108
Method Blank	<50	<250	102

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	CMW1-5	Client:	SLR International Corp.
Date Received:	06/13/08	Project:	001.0205.00010, F&BI 806166
Date Extracted:	06/18/08	Lab ID:	806166-01
Date Analyzed:	06/19/08	Data File:	806166-01.013
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	101	60	125
Indium	99	60	125
Holmium	109	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	11.3
Arsenic	2.17
Selenium	<1
Silver	<1
Cadmium	<1
Barium	31.7
Lead	2.42
Copper	9.18

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	CMW2a-4	Client:	SLR International Corp.
Date Received:	06/13/08	Project:	001.0205.00010, F&BI 806166
Date Extracted:	06/18/08	Lab ID:	806166-02
Date Analyzed:	06/19/08	Data File:	806166-02.016
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	100	60	125
Indium	95	60	125
Holmium	104	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	14.1
Arsenic	2.14
Selenium	<1
Silver	<1
Cadmium	<1
Barium	32.6
Lead	2.05
Copper	10.5

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	CMW3-5	Client:	SLR International Corp.
Date Received:	06/13/08	Project:	001.0205.00010, F&BI 806166
Date Extracted:	06/18/08	Lab ID:	806166-03
Date Analyzed:	06/19/08	Data File:	806166-03.017
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	100	60	125
Indium	96	60	125
Holmium	104	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	10.7
Arsenic	4.66
Selenium	<1
Silver	<1
Cadmium	<1
Barium	32.1
Lead	3.75
Copper	12.0

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	CMW3-10	Client:	SLR International Corp.
Date Received:	06/13/08	Project:	001.0205.00010, F&BI 806166
Date Extracted:	06/18/08	Lab ID:	806166-04
Date Analyzed:	06/19/08	Data File:	806166-04.019
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	107	60	125
Indium	102	60	125
Holmium	111	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	20.1
Arsenic	38.0
Selenium	<1
Silver	<1
Cadmium	<1
Barium	87.9
Lead	58.0
Copper	40.3

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	CMW7-5	Client:	SLR International Corp.
Date Received:	06/13/08	Project:	001.0205.00010, F&BI 806166
Date Extracted:	06/18/08	Lab ID:	806166-05
Date Analyzed:	06/19/08	Data File:	806166-05.020
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	120	60	125
Indium	119	60	125
Holmium	108	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	23.5
Arsenic	236
Selenium	<1
Silver	<1
Cadmium	<1
Barium	77.4
Lead	208
Copper	162

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	CMW7-7	Client:	SLR International Corp.
Date Received:	06/13/08	Project:	001.0205.00010, F&BI 806166
Date Extracted:	06/18/08	Lab ID:	806166-06
Date Analyzed:	06/19/08	Data File:	806166-06.023
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	106	60	125
Indium	100	60	125
Holmium	110	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	15.6
Arsenic	27.5
Selenium	<1
Silver	<1
Cadmium	<1
Barium	60.0
Lead	34.4
Copper	29.1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	CMW6-5	Client:	SLR International Corp.
Date Received:	06/13/08	Project:	001.0205.00010, F&BI 806166
Date Extracted:	06/18/08	Lab ID:	806166-07
Date Analyzed:	06/19/08	Data File:	806166-07.024
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	109	60	125
Indium	107	60	125
Holmium	108	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	16.5
Arsenic	121
Selenium	<1
Silver	<1
Cadmium	<1
Barium	53.2
Lead	101
Copper	82.4

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	CMW5-5	Client:	SLR International Corp.
Date Received:	06/13/08	Project:	001.0205.00010, F&BI 806166
Date Extracted:	06/18/08	Lab ID:	806166-08
Date Analyzed:	06/19/08	Data File:	806166-08.025
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	116	60	125
Indium	112	60	125
Holmium	105	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	17.9
Arsenic	184
Selenium	<1
Silver	<1
Cadmium	<1
Barium	75.5
Lead	186
Copper	135

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	SLR International Corp.
Date Received:	NA	Project:	001.0205.00010, F&BI 806166
Date Extracted:	06/18/08	Lab ID:	I8-231 mb
Date Analyzed:	06/19/08	Data File:	I8-231 mb.008
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	91	60	125
Indium	100	60	125
Holmium	103	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	<1
Arsenic	<1
Selenium	<1
Silver	<1
Cadmium	<1
Barium	<1
Lead	<1
Copper	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/30/08
Date Received: 06/13/08
Project: 001.0205.00010, F&BI 806166
Date Extracted: 06/18/08
Date Analyzed: 06/19/08

**RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES
FOR TOTAL MERCURY
USING EPA METHOD 1631E**

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

<u>Sample ID</u> Laboratory ID	<u>Total Mercury</u>
CMW1-5 806166-01	<0.2
CMW2a-4 806166-02	<0.2
CMW3-5 806166-03	<0.2
CMW3-10 806166-04	<0.2
CMW7-5 806166-05	0.26
CMW7-7 806166-06	<0.2
CMW6-5 806166-07	<0.2
CMW5-5 806166-08	<0.2
Method Blank	<0.2

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: CMW1-5
Date Received: 06/13/08
Date Extracted: 06/16/08
Date Analyzed: 06/17/08
Matrix: Soil
Units: mg/kg (ppm)

Client: SLR International Corp.
Project: 001.0205.00010, F&BI 806166
Lab ID: 806166-01
Data File: 061633.D
Instrument: GCMS4
Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	106	43	128
1,2-Dichloroethane-d4	113	44	125
Toluene-d8	110	42	130
4-Bromofluorobenzene	113	27	154

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.05	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Methylene chloride	<0.5	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
1,1-Dichloroethane	<0.05	Bromoform	<0.05
2,2-Dichloropropane	<0.05	n-Propylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	Bromobenzene	<0.05
Chloroform	<0.05	1,3,5-Trimethylbenzene	<0.05
2-Butanone (MEK)	<0.5	1,1,2,2-Tetrachloroethane	<0.05
1,2-Dichloroethane (EDC)	<0.05	1,2,3-Trichloropropane	<0.05
1,1,1-Trichloroethane	<0.05	2-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	4-Chlorotoluene	<0.05
Carbon Tetrachloride	<0.05	tert-Butylbenzene	<0.05
Benzene	<0.03	1,2,4-Trimethylbenzene	<0.05
Trichloroethene	<0.03	sec-Butylbenzene	<0.05
1,2-Dichloropropane	<0.05	p-Isopropyltoluene	<0.05
Bromodichloromethane	<0.05	1,3-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,4-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dichlorobenzene	<0.05
cis-1,3-Dichloropropene	<0.05	1,2-Dibromo-3-chloropropane	<0.05
Toluene	<0.05	1,2,4-Trichlorobenzene	<0.1
trans-1,3-Dichloropropene	<0.05	Hexachlorobutadiene	<0.1
1,1,2-Trichloroethane	<0.05	Naphthalene	<0.05
2-Hexanone	<0.5	1,2,3-Trichlorobenzene	<0.1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: CMW2a-4
 Date Received: 06/13/08
 Date Extracted: 06/16/08
 Date Analyzed: 06/17/08
 Matrix: Soil
 Units: mg/kg (ppm)

Client: SLR International Corp.
 Project: 001.0205.00010, F&BI 806166
 Lab ID: 806166-02
 Data File: 061634.D
 Instrument: GCMS4
 Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	109	43	128
1,2-Dichloroethane-d4	113	44	125
Toluene-d8	112	42	130
4-Bromofluorobenzene	114	27	154

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.05	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Methylene chloride	<0.5	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
1,1-Dichloroethane	<0.05	Bromoform	<0.05
2,2-Dichloropropane	<0.05	n-Propylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	Bromobenzene	<0.05
Chloroform	<0.05	1,3,5-Trimethylbenzene	<0.05
2-Butanone (MEK)	<0.5	1,1,2,2-Tetrachloroethane	<0.05
1,2-Dichloroethane (EDC)	<0.05	1,2,3-Trichloropropane	<0.05
1,1,1-Trichloroethane	<0.05	2-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	4-Chlorotoluene	<0.05
Carbon Tetrachloride	<0.05	tert-Butylbenzene	<0.05
Benzene	<0.03	1,2,4-Trimethylbenzene	<0.05
Trichloroethene	<0.03	sec-Butylbenzene	<0.05
1,2-Dichloropropane	<0.05	p-Isopropyltoluene	<0.05
Bromodichloromethane	<0.05	1,3-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,4-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dichlorobenzene	<0.05
cis-1,3-Dichloropropene	<0.05	1,2-Dibromo-3-chloropropane	<0.05
Toluene	<0.05	1,2,4-Trichlorobenzene	<0.1
trans-1,3-Dichloropropene	<0.05	Hexachlorobutadiene	<0.1
1,1,2-Trichloroethane	<0.05	Naphthalene	<0.05
2-Hexanone	<0.5	1,2,3-Trichlorobenzene	<0.1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: CMW3-5
 Date Received: 06/13/08
 Date Extracted: 06/16/08
 Date Analyzed: 06/17/08
 Matrix: Soil
 Units: mg/kg (ppm)

Client: SLR International Corp.
 Project: 001.0205.00010, F&BI 806166
 Lab ID: 806166-03
 Data File: 061635.D
 Instrument: GCMS4
 Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	100	43	128
1,2-Dichloroethane-d4	106	44	125
Toluene-d8	105	42	130
4-Bromofluorobenzene	106	27	154

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.05	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Methylene chloride	<0.5	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
1,1-Dichloroethane	<0.05	Bromoform	<0.05
2,2-Dichloropropane	<0.05	n-Propylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	Bromobenzene	<0.05
Chloroform	<0.05	1,3,5-Trimethylbenzene	<0.05
2-Butanone (MEK)	<0.5	1,1,2,2-Tetrachloroethane	<0.05
1,2-Dichloroethane (EDC)	<0.05	1,2,3-Trichloropropane	<0.05
1,1,1-Trichloroethane	<0.05	2-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	4-Chlorotoluene	<0.05
Carbon Tetrachloride	<0.05	tert-Butylbenzene	<0.05
Benzene	<0.03	1,2,4-Trimethylbenzene	<0.05
Trichloroethene	<0.03	sec-Butylbenzene	<0.05
1,2-Dichloropropane	<0.05	p-Isopropyltoluene	<0.05
Bromodichloromethane	<0.05	1,3-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,4-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dichlorobenzene	<0.05
cis-1,3-Dichloropropene	<0.05	1,2-Dibromo-3-chloropropane	<0.05
Toluene	<0.05	1,2,4-Trichlorobenzene	<0.1
trans-1,3-Dichloropropene	<0.05	Hexachlorobutadiene	<0.1
1,1,2-Trichloroethane	<0.05	Naphthalene	<0.05
2-Hexanone	<0.5	1,2,3-Trichlorobenzene	<0.1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: CMW3-10
 Date Received: 06/13/08
 Date Extracted: 06/16/08
 Date Analyzed: 06/17/08
 Matrix: Soil
 Units: mg/kg (ppm)

Client: SLR International Corp.
 Project: 001.0205.00010, F&BI 806166
 Lab ID: 806166-04
 Data File: 061636.D
 Instrument: GCMS4
 Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	100	43	128
1,2-Dichloroethane-d4	120	44	125
Toluene-d8	116	42	130
4-Bromofluorobenzene	115	27	154

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.05	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Methylene chloride	<0.5	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
1,1-Dichloroethane	<0.05	Bromoform	<0.05
2,2-Dichloropropane	<0.05	n-Propylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	Bromobenzene	<0.05
Chloroform	<0.05	1,3,5-Trimethylbenzene	<0.05
2-Butanone (MEK)	<0.5	1,1,2,2-Tetrachloroethane	<0.05
1,2-Dichloroethane (EDC)	<0.05	1,2,3-Trichloropropane	<0.05
1,1,1-Trichloroethane	<0.05	2-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	4-Chlorotoluene	<0.05
Carbon Tetrachloride	<0.05	tert-Butylbenzene	<0.05
Benzene	<0.03	1,2,4-Trimethylbenzene	<0.05
Trichloroethene	<0.03	sec-Butylbenzene	<0.05
1,2-Dichloropropane	<0.05	p-Isopropyltoluene	<0.05
Bromodichloromethane	<0.05	1,3-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,4-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dichlorobenzene	<0.05
cis-1,3-Dichloropropene	<0.05	1,2-Dibromo-3-chloropropane	<0.05
Toluene	<0.05	1,2,4-Trichlorobenzene	<0.1
trans-1,3-Dichloropropene	<0.05	Hexachlorobutadiene	<0.1
1,1,2-Trichloroethane	<0.05	Naphthalene	1.6
2-Hexanone	<0.5	1,2,3-Trichlorobenzene	<0.1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: CMW7-5
 Date Received: 06/13/08
 Date Extracted: 06/16/08
 Date Analyzed: 06/17/08
 Matrix: Soil
 Units: mg/kg (ppm)

Client: SLR International Corp.
 Project: 001.0205.00010, F&BI 806166
 Lab ID: 806166-05
 Data File: 061637.D
 Instrument: GCMS4
 Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	104	43	128
1,2-Dichloroethane-d4	111	44	125
Toluene-d8	107	42	130
4-Bromofluorobenzene	107	27	154

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.05	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Methylene chloride	<0.5	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
1,1-Dichloroethane	<0.05	Bromoform	<0.05
2,2-Dichloropropane	<0.05	n-Propylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	Bromobenzene	<0.05
Chloroform	<0.05	1,3,5-Trimethylbenzene	<0.05
2-Butanone (MEK)	<0.5	1,1,2,2-Tetrachloroethane	<0.05
1,2-Dichloroethane (EDC)	<0.05	1,2,3-Trichloropropane	<0.05
1,1,1-Trichloroethane	<0.05	2-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	4-Chlorotoluene	<0.05
Carbon Tetrachloride	<0.05	tert-Butylbenzene	<0.05
Benzene	<0.03	1,2,4-Trimethylbenzene	<0.05
Trichloroethene	<0.03	sec-Butylbenzene	<0.05
1,2-Dichloropropane	<0.05	p-Isopropyltoluene	<0.05
Bromodichloromethane	<0.05	1,3-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,4-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dichlorobenzene	<0.05
cis-1,3-Dichloropropene	<0.05	1,2-Dibromo-3-chloropropane	<0.05
Toluene	<0.05	1,2,4-Trichlorobenzene	<0.1
trans-1,3-Dichloropropene	<0.05	Hexachlorobutadiene	<0.1
1,1,2-Trichloroethane	<0.05	Naphthalene	<0.05
2-Hexanone	<0.5	1,2,3-Trichlorobenzene	<0.1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: CMW7-7
 Date Received: 06/13/08
 Date Extracted: 06/16/08
 Date Analyzed: 06/17/08
 Matrix: Soil
 Units: mg/kg (ppm)

Client: SLR International Corp.
 Project: 001.0205.00010, F&BI 806166
 Lab ID: 806166-06
 Data File: 061638.D
 Instrument: GCMS4
 Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	94	43	128
1,2-Dichloroethane-d4	100	44	125
Toluene-d8	98	42	130
4-Bromofluorobenzene	99	27	154

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.05	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Methylene chloride	<0.5	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
1,1-Dichloroethane	<0.05	Bromoform	<0.05
2,2-Dichloropropane	<0.05	n-Propylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	Bromobenzene	<0.05
Chloroform	<0.05	1,3,5-Trimethylbenzene	0.10
2-Butanone (MEK)	<0.5	1,1,2,2-Tetrachloroethane	<0.05
1,2-Dichloroethane (EDC)	<0.05	1,2,3-Trichloropropane	<0.05
1,1,1-Trichloroethane	<0.05	2-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	4-Chlorotoluene	<0.05
Carbon Tetrachloride	<0.05	tert-Butylbenzene	<0.05
Benzene	<0.03	1,2,4-Trimethylbenzene	0.31
Trichloroethene	<0.03	sec-Butylbenzene	<0.05
1,2-Dichloropropane	<0.05	p-Isopropyltoluene	<0.05
Bromodichloromethane	<0.05	1,3-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,4-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dichlorobenzene	<0.05
cis-1,3-Dichloropropene	<0.05	1,2-Dibromo-3-chloropropane	<0.05
Toluene	<0.05	1,2,4-Trichlorobenzene	<0.1
trans-1,3-Dichloropropene	<0.05	Hexachlorobutadiene	<0.1
1,1,2-Trichloroethane	<0.05	Naphthalene	0.064
2-Hexanone	<0.5	1,2,3-Trichlorobenzene	<0.1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: CMW6-5
 Date Received: 06/13/08
 Date Extracted: 06/16/08
 Date Analyzed: 06/17/08
 Matrix: Soil
 Units: mg/kg (ppm)

Client: SLR International Corp.
 Project: 001.0205.00010, F&BI 806166
 Lab ID: 806166-07
 Data File: 061639.D
 Instrument: GCMS4
 Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	101	43	128
1,2-Dichloroethane-d4	106	44	125
Toluene-d8	102	42	130
4-Bromofluorobenzene	101	27	154

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.05	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Methylene chloride	<0.5	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
1,1-Dichloroethane	<0.05	Bromoform	<0.05
2,2-Dichloropropane	<0.05	n-Propylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	Bromobenzene	<0.05
Chloroform	<0.05	1,3,5-Trimethylbenzene	<0.05
2-Butanone (MEK)	<0.5	1,1,2,2-Tetrachloroethane	<0.05
1,2-Dichloroethane (EDC)	<0.05	1,2,3-Trichloropropane	<0.05
1,1,1-Trichloroethane	<0.05	2-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	4-Chlorotoluene	<0.05
Carbon Tetrachloride	<0.05	tert-Butylbenzene	<0.05
Benzene	<0.03	1,2,4-Trimethylbenzene	<0.05
Trichloroethene	<0.03	sec-Butylbenzene	<0.05
1,2-Dichloropropane	<0.05	p-Isopropyltoluene	<0.05
Bromodichloromethane	<0.05	1,3-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,4-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dichlorobenzene	<0.05
cis-1,3-Dichloropropene	<0.05	1,2-Dibromo-3-chloropropane	<0.05
Toluene	<0.05	1,2,4-Trichlorobenzene	<0.1
trans-1,3-Dichloropropene	<0.05	Hexachlorobutadiene	<0.1
1,1,2-Trichloroethane	<0.05	Naphthalene	<0.05
2-Hexanone	<0.5	1,2,3-Trichlorobenzene	<0.1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: CMW5-5
 Date Received: 06/13/08
 Date Extracted: 06/16/08
 Date Analyzed: 06/17/08
 Matrix: Soil
 Units: mg/kg (ppm)

Client: SLR International Corp.
 Project: 001.0205.00010, F&BI 806166
 Lab ID: 806166-08
 Data File: 061640.D
 Instrument: GCMS4
 Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	101	43	128
1,2-Dichloroethane-d4	108	44	125
Toluene-d8	106	42	130
4-Bromofluorobenzene	101	27	154

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.05	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Methylene chloride	<0.5	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
1,1-Dichloroethane	<0.05	Bromoform	<0.05
2,2-Dichloropropane	<0.05	n-Propylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	Bromobenzene	<0.05
Chloroform	<0.05	1,3,5-Trimethylbenzene	<0.05
2-Butanone (MEK)	<0.5	1,1,2,2-Tetrachloroethane	<0.05
1,2-Dichloroethane (EDC)	<0.05	1,2,3-Trichloropropane	<0.05
1,1,1-Trichloroethane	<0.05	2-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	4-Chlorotoluene	<0.05
Carbon Tetrachloride	<0.05	tert-Butylbenzene	<0.05
Benzene	<0.03	1,2,4-Trimethylbenzene	<0.05
Trichloroethene	<0.03	sec-Butylbenzene	<0.05
1,2-Dichloropropane	<0.05	p-Isopropyltoluene	<0.05
Bromodichloromethane	<0.05	1,3-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,4-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dichlorobenzene	<0.05
cis-1,3-Dichloropropene	<0.05	1,2-Dibromo-3-chloropropane	<0.05
Toluene	<0.05	1,2,4-Trichlorobenzene	<0.1
trans-1,3-Dichloropropene	<0.05	Hexachlorobutadiene	<0.1
1,1,2-Trichloroethane	<0.05	Naphthalene	<0.05
2-Hexanone	<0.5	1,2,3-Trichlorobenzene	<0.1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: Method Blank
 Date Received: NA
 Date Extracted: 06/16/08
 Date Analyzed: 06/17/08
 Matrix: Soil
 Units: mg/kg (ppm)

Client: SLR International Corp.
 Project: 001.0205.00010, F&BI 806166
 Lab ID: 080934 mb
 Data File: 061626.D
 Instrument: GCMS4
 Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	71	43	128
1,2-Dichloroethane-d4	70	44	125
Toluene-d8	71	42	130
4-Bromofluorobenzene	80	27	154

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.05	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Methylene chloride	<0.5	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
1,1-Dichloroethane	<0.05	Bromoform	<0.05
2,2-Dichloropropane	<0.05	n-Propylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	Bromobenzene	<0.05
Chloroform	<0.05	1,3,5-Trimethylbenzene	<0.05
2-Butanone (MEK)	<0.5	1,1,2,2-Tetrachloroethane	<0.05
1,2-Dichloroethane (EDC)	<0.05	1,2,3-Trichloropropane	<0.05
1,1,1-Trichloroethane	<0.05	2-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	4-Chlorotoluene	<0.05
Carbon Tetrachloride	<0.05	tert-Butylbenzene	<0.05
Benzene	<0.03	1,2,4-Trimethylbenzene	<0.05
Trichloroethene	<0.03	sec-Butylbenzene	<0.05
1,2-Dichloropropane	<0.05	p-Isopropyltoluene	<0.05
Bromodichloromethane	<0.05	1,3-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,4-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dichlorobenzene	<0.05
cis-1,3-Dichloropropene	<0.05	1,2-Dibromo-3-chloropropane	<0.05
Toluene	<0.05	1,2,4-Trichlorobenzene	<0.1
trans-1,3-Dichloropropene	<0.05	Hexachlorobutadiene	<0.1
1,1,2-Trichloroethane	<0.05	Naphthalene	<0.05
2-Hexanone	<0.5	1,2,3-Trichlorobenzene	<0.1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C

Client Sample ID: CMW1-5	Client: SLR International Corp.
Date Received: 06/13/08	Project: 001.0205.00010, F&BI 806166
Date Extracted: 06/18/08	Lab ID: 806166-01
Date Analyzed: 06/19/08	Data File: 061907.D
Matrix: Soil	Instrument: GCMS3
Units: mg/kg (ppm)	Operator: YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	65	30	118
Phenol-d6	70	30	118
Nitrobenzene-d5	75	10	180
2-Fluorobiphenyl	73	40	130
2,4,6-Tribromophenol	79	16	116
Terphenyl-d14	66	30	144

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Phenol	<0.3	3-Nitroaniline	<0.9
Bis(2-chloroethyl) ether	<0.03	Acenaphthene	<0.03
2-Chlorophenol	<0.3	2,4-Dinitrophenol	<0.9
1,3-Dichlorobenzene	<0.03	Dibenzofuran	<0.03
1,4-Dichlorobenzene	<0.03	2,4-Dinitrotoluene	<0.03
1,2-Dichlorobenzene	<0.03	4-Nitrophenol	<0.3
Benzyl alcohol	<0.03	Diethyl phthalate	<0.03
Bis(2-chloroisopropyl) ether	<0.03	Fluorene	<0.03
2-Methylphenol	<0.3	4-Chlorophenyl phenyl ether	<0.03
Hexachloroethane	<0.03	N-Nitrosodiphenylamine	<0.03
N-Nitroso-di-n-propylamine	<0.03	4-Nitroaniline	<0.9
4-Methylphenol	<0.3	4,6-Dinitro-2-methylphenol	<0.9
Nitrobenzene	<0.03	4-Bromophenyl phenyl ether	<0.03
Isophorone	<0.03	Hexachlorobenzene	<0.03
2-Nitrophenol	<0.3	Pentachlorophenol	<0.3
2,4-Dimethylphenol	<0.3	Phenanthrene	<0.03
Benzoic acid	<3	Anthracene	<0.03
Bis(2-chloroethoxy)methane	<0.03	Carbazole	<0.03
2,4-Dichlorophenol	<0.3	Di-n-butyl phthalate	<0.03
1,2,4-Trichlorobenzene	<0.03	Fluoranthene	<0.03
Naphthalene	<0.03	Pyrene	<0.03
Hexachlorobutadiene	<0.03	Benzyl butyl phthalate	<0.03
4-Chloroaniline	<3	Benz(a)anthracene	<0.03
4-Chloro-3-methylphenol	<0.3	Chrysene	<0.03
2-Methylnaphthalene	<0.03	Bis(2-ethylhexyl) phthalate	<0.3
Hexachlorocyclopentadiene	<0.09	Di-n-octyl phthalate	<0.03
2,4,6-Trichlorophenol	<0.3	Benzo(a)pyrene	<0.03
2,4,5-Trichlorophenol	<0.3	Benzo(b)fluoranthene	<0.03
2-Chloronaphthalene	<0.03	Benzo(k)fluoranthene	<0.03
2-Nitroaniline	<0.03	Indeno(1,2,3-cd)pyrene	<0.03
Dimethyl phthalate	<0.03	Dibenz(a,h)anthracene	<0.03
Acenaphthylene	<0.03	Benzo(g,h,i)perylene	<0.03
2,6-Dinitrotoluene	<0.03		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C

Client Sample ID: CMW2a-4
 Date Received: 06/13/08
 Date Extracted: 06/18/08
 Date Analyzed: 06/19/08
 Matrix: Soil
 Units: mg/kg (ppm)

Client: SLR International Corp.
 Project: 001.0205.00010, F&BI 806166
 Lab ID: 806166-02
 Data File: 061912.D
 Instrument: GCMS3
 Operator: YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	69	30	118
Phenol-d6	75	30	118
Nitrobenzene-d5	79	10	180
2-Fluorobiphenyl	80	40	130
2,4,6-Tribromophenol	86	16	116
Terphenyl-d14	76	30	144

Compounds:	Concentration mg/kg (ppm)
Phenol	<0.3
Bis(2-chloroethyl) ether	<0.03
2-Chlorophenol	<0.3
1,3-Dichlorobenzene	<0.03
1,4-Dichlorobenzene	<0.03
1,2-Dichlorobenzene	<0.03
Benzyl alcohol	<0.03
Bis(2-chloroisopropyl) ether	<0.03
2-Methylphenol	<0.3
Hexachloroethane	<0.03
N-Nitroso-di-n-propylamine	<0.03
4-Methylphenol	<0.3
Nitrobenzene	<0.03
Isophorone	<0.03
2-Nitrophenol	<0.3
2,4-Dimethylphenol	<0.3
Benzoic acid	<3
Bis(2-chloroethoxy)methane	<0.03
2,4-Dichlorophenol	<0.3
1,2,4-Trichlorobenzene	<0.03
Naphthalene	<0.03
Hexachlorobutadiene	<0.03
4-Chloroaniline	<3
4-Chloro-3-methylphenol	<0.3
2-Methylnaphthalene	<0.03
Hexachlorocyclopentadiene	<0.09
2,4,6-Trichlorophenol	<0.3
2,4,5-Trichlorophenol	<0.3
2-Chloronaphthalene	<0.03
2-Nitroaniline	<0.03
Dimethyl phthalate	<0.03
Acenaphthylene	<0.03
2,6-Dinitrotoluene	<0.03

Compounds:	Concentration mg/kg (ppm)
3-Nitroaniline	<0.9
Acenaphthene	<0.03
2,4-Dinitrophenol	<0.9
Dibenzofuran	<0.03
2,4-Dinitrotoluene	<0.03
4-Nitrophenol	<0.3
Diethyl phthalate	<0.03
Fluorene	<0.03
4-Chlorophenyl phenyl ether	<0.03
N-Nitrosodiphenylamine	<0.03
4-Nitroaniline	<0.9
4,6-Dinitro-2-methylphenol	<0.9
4-Bromophenyl phenyl ether	<0.03
Hexachlorobenzene	<0.03
Pentachlorophenol	<0.3
Phenanthrene	<0.03
Anthracene	<0.03
Carbazole	<0.03
Di-n-butyl phthalate	<0.03
Fluoranthene	<0.03
Pyrene	<0.03
Benzyl butyl phthalate	<0.03
Benz(a)anthracene	<0.03
Chrysene	<0.03
Bis(2-ethylhexyl) phthalate	<0.3
Di-n-octyl phthalate	<0.03
Benzo(a)pyrene	<0.03
Benzo(b)fluoranthene	<0.03
Benzo(k)fluoranthene	<0.03
Indeno(1,2,3-cd)pyrene	<0.03
Dibenz(a,h)anthracene	<0.03
Benzo(g,h,i)perylene	<0.03

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C

Client Sample ID: CMW3-5	Client: SLR International Corp.
Date Received: 06/13/08	Project: 001.0205.00010, F&BI 806166
Date Extracted: 06/18/08	Lab ID: 806166-03
Date Analyzed: 06/19/08	Data File: 061910.D
Matrix: Soil	Instrument: GCMS3
Units: mg/kg (ppm)	Operator: YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	69	30	118
Phenol-d6	75	30	118
Nitrobenzene-d5	80	10	180
2-Fluorobiphenyl	76	40	130
2,4,6-Tribromophenol	83	16	116
Terphenyl-d14	70	30	144

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Phenol	<0.3	3-Nitroaniline	<0.9
Bis(2-chloroethyl) ether	<0.03	Acenaphthene	<0.03
2-Chlorophenol	<0.3	2,4-Dinitrophenol	<0.9
1,3-Dichlorobenzene	<0.03	Dibenzofuran	<0.03
1,4-Dichlorobenzene	<0.03	2,4-Dinitrotoluene	<0.03
1,2-Dichlorobenzene	<0.03	4-Nitrophenol	<0.3
Benzyl alcohol	<0.03	Diethyl phthalate	<0.03
Bis(2-chloroisopropyl) ether	<0.03	Fluorene	<0.03
2-Methylphenol	<0.3	4-Chlorophenyl phenyl ether	<0.03
Hexachloroethane	<0.03	N-Nitrosodiphenylamine	<0.03
N-Nitroso-di-n-propylamine	<0.03	4-Nitroaniline	<0.9
4-Methylphenol	<0.3	4,6-Dinitro-2-methylphenol	<0.9
Nitrobenzene	<0.03	4-Bromophenyl phenyl ether	<0.03
Isophorone	<0.03	Hexachlorobenzene	<0.03
2-Nitrophenol	<0.3	Pentachlorophenol	<0.3
2,4-Dimethylphenol	<0.3	Phenanthrene	<0.03
Benzoic acid	<3	Anthracene	<0.03
Bis(2-chloroethoxy)methane	<0.03	Carbazole	<0.03
2,4-Dichlorophenol	<0.3	Di-n-butyl phthalate	<0.03
1,2,4-Trichlorobenzene	<0.03	Fluoranthene	<0.03
Naphthalene	<0.03	Pyrene	<0.03
Hexachlorobutadiene	<0.03	Benzyl butyl phthalate	<0.03
4-Chloroaniline	<3	Benz(a)anthracene	<0.03
4-Chloro-3-methylphenol	<0.3	Chrysene	<0.03
2-Methylnaphthalene	<0.03	Bis(2-ethylhexyl) phthalate	<0.3
Hexachlorocyclopentadiene	<0.09	Di-n-octyl phthalate	<0.03
2,4,6-Trichlorophenol	<0.3	Benzo(a)pyrene	<0.03
2,4,5-Trichlorophenol	<0.3	Benzo(b)fluoranthene	<0.03
2-Chloronaphthalene	<0.03	Benzo(k)fluoranthene	<0.03
2-Nitroaniline	<0.03	Indeno(1,2,3-cd)pyrene	<0.03
Dimethyl phthalate	<0.03	Dibenz(a,h)anthracene	<0.03
Acenaphthylene	<0.03	Benzo(g,h,i)perylene	<0.03
2,6-Dinitrotoluene	<0.03		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C

Client Sample ID: CMW3-10
Date Received: 06/13/08
Date Extracted: 06/18/08
Date Analyzed: 06/19/08
Matrix: Soil
Units: mg/kg (ppm)

Client: SLR International Corp.
Project: 001.0205.00010, F&BI 806166
Lab ID: 806166-04 1/10
Data File: 061914.D
Instrument: GCMS3
Operator: YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	56	30	118
Phenol-d6	85	30	118
Nitrobenzene-d5	92	10	180
2-Fluorobiphenyl	95	40	130
2,4,6-Tribromophenol	13	16	116
Terphenyl-d14	89	30	144

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Phenol	<3	3-Nitroaniline	<9
Bis(2-chloroethyl) ether	<0.3	Acenaphthene	0.76
2-Chlorophenol	<3	2,4-Dinitrophenol	<9
1,3-Dichlorobenzene	<0.3	Dibenzofuran	0.78
1,4-Dichlorobenzene	<0.3	2,4-Dinitrotoluene	<0.3
1,2-Dichlorobenzene	<0.3	4-Nitrophenol	<3
Benzyl alcohol	<0.3	Diethyl phthalate	<0.3
Bis(2-chloroisopropyl) ether	<0.3	Fluorene	1.9
2-Methylphenol	<3	4-Chlorophenyl phenyl ether	<0.3
Hexachloroethane	<0.3	N-Nitrosodiphenylamine	<0.3
N-Nitroso-di-n-propylamine	<0.3	4-Nitroaniline	<9
4-Methylphenol	<3	4,6-Dinitro-2-methylphenol	<9
Nitrobenzene	<0.3	4-Bromophenyl phenyl ether	<0.3
Isophorone	<0.3	Hexachlorobenzene	<0.3
2-Nitrophenol	<3	Pentachlorophenol	<3
2,4-Dimethylphenol	<3	Phenanthrene	3.7
Benzoic acid	<30	Anthracene	23
Bis(2-chloroethoxy)methane	<0.3	Carbazole	6.1
2,4-Dichlorophenol	<3	Di-n-butyl phthalate	<0.3
1,2,4-Trichlorobenzene	<0.3	Fluoranthene	2.6
Naphthalene	0.90	Pyrene	2.0
Hexachlorobutadiene	<0.3	Benzyl butyl phthalate	<0.3
4-Chloroaniline	<30	Benz(a)anthracene	1.0
4-Chloro-3-methylphenol	<3	Chrysene	3.2
2-Methylnaphthalene	0.66	Bis(2-ethylhexyl) phthalate	<3
Hexachlorocyclopentadiene	<0.9	Di-n-octyl phthalate	<0.3
2,4,6-Trichlorophenol	<3	Benzo(a)pyrene	0.78
2,4,5-Trichlorophenol	<3	Benzo(b)fluoranthene	0.75
2-Chloronaphthalene	<0.3	Benzo(k)fluoranthene	0.36
2-Nitroaniline	<0.3	Indeno(1,2,3-cd)pyrene	0.46
Dimethyl phthalate	<0.3	Dibenz(a,h)anthracene	<0.3
Acenaphthylene	<0.3	Benzo(g,h,i)perylene	0.46
2,6-Dinitrotoluene	<0.3		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C

Client Sample ID: CMW7-5	Client: SLR International Corp.
Date Received: 06/13/08	Project: 001.0205.00010, F&BI 806166
Date Extracted: 06/18/08	Lab ID: 806166-05 1/10
Date Analyzed: 06/19/08	Data File: 061916.D
Matrix: Soil	Instrument: GCMS3
Units: mg/kg (ppm)	Operator: YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	68	30	118
Phenol-d6	84	30	118
Nitrobenzene-d5	88	10	180
2-Fluorobiphenyl	92	40	130
2,4,6-Tribromophenol	82	16	116
Terphenyl-d14	87	30	144

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Phenol	<3	3-Nitroaniline	<9
Bis(2-chloroethyl) ether	<0.3	Acenaphthene	<0.3
2-Chlorophenol	<3	2,4-Dinitrophenol	<9
1,3-Dichlorobenzene	<0.3	Dibenzofuran	<0.3
1,4-Dichlorobenzene	<0.3	2,4-Dinitrotoluene	<0.3
1,2-Dichlorobenzene	<0.3	4-Nitrophenol	<3
Benzyl alcohol	<0.3	Diethyl phthalate	<0.3
Bis(2-chloroisopropyl) ether	<0.3	Fluorene	<0.3
2-Methylphenol	<3	4-Chlorophenyl phenyl ether	<0.3
Hexachloroethane	<0.3	N-Nitrosodiphenylamine	<0.3
N-Nitroso-di-n-propylamine	<0.3	4-Nitroaniline	<9
4-Methylphenol	<3	4,6-Dinitro-2-methylphenol	<9
Nitrobenzene	<0.3	4-Bromophenyl phenyl ether	<0.3
Isophorone	<0.3	Hexachlorobenzene	<0.3
2-Nitrophenol	<3	Pentachlorophenol	<3
2,4-Dimethylphenol	<3	Phenanthrene	0.59
Benzoic acid	<30	Anthracene	0.34
Bis(2-chloroethoxy)methane	<0.3	Carbazole	<0.3
2,4-Dichlorophenol	<3	Di-n-butyl phthalate	<0.3
1,2,4-Trichlorobenzene	<0.3	Fluoranthene	1.3
Naphthalene	<0.3	Pyrene	1.1
Hexachlorobutadiene	<0.3	Benzyl butyl phthalate	<0.3
4-Chloroaniline	<30	Benz(a)anthracene	0.68
4-Chloro-3-methylphenol	<3	Chrysene	0.95
2-Methylnaphthalene	<0.3	Bis(2-ethylhexyl) phthalate	<3
Hexachlorocyclopentadiene	<0.9	Di-n-octyl phthalate	<0.3
2,4,6-Trichlorophenol	<3	Benzo(a)pyrene	0.70
2,4,5-Trichlorophenol	<3	Benzo(b)fluoranthene	0.77
2-Chloronaphthalene	<0.3	Benzo(k)fluoranthene	0.33
2-Nitroaniline	<0.3	Indeno(1,2,3-cd)pyrene	0.49
Dimethyl phthalate	<0.3	Dibenz(a,h)anthracene	<0.3
Acenaphthylene	<0.3	Benzo(g,h,i)perylene	0.48
2,6-Dinitrotoluene	<0.3		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C

Client Sample ID: CMW7-7
 Date Received: 06/13/08
 Date Extracted: 06/18/08
 Date Analyzed: 06/19/08
 Matrix: Soil
 Units: mg/kg (ppm)

Client: SLR International Corp.
 Project: 001.0205.00010, F&BI 806166
 Lab ID: 806166-06 1/10
 Data File: 061917.D
 Instrument: GCMS3
 Operator: YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	44	30	118
Phenol-d6	83	30	118
Nitrobenzene-d5	88	10	180
2-Fluorobiphenyl	92	40	130
2,4,6-Tribromophenol	0	16	116
Terphenyl-d14	86	30	144

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Phenol	<3	3-Nitroaniline	<9
Bis(2-chloroethyl) ether	<0.3	Acenaphthene	<0.3
2-Chlorophenol	<3	2,4-Dinitrophenol	<9
1,3-Dichlorobenzene	<0.3	Dibenzofuran	<0.3
1,4-Dichlorobenzene	<0.3	2,4-Dinitrotoluene	<0.3
1,2-Dichlorobenzene	<0.3	4-Nitrophenol	<3
Benzyl alcohol	<0.3	Diethyl phthalate	<0.3
Bis(2-chloroisopropyl) ether	<0.3	Fluorene	<0.3
2-Methylphenol	<3	4-Chlorophenyl phenyl ether	<0.3
Hexachloroethane	<0.3	N-Nitrosodiphenylamine	<0.3
N-Nitroso-di-n-propylamine	<0.3	4-Nitroaniline	<9
4-Methylphenol	<3	4,6-Dinitro-2-methylphenol	<9
Nitrobenzene	<0.3	4-Bromophenyl phenyl ether	<0.3
Isophorone	<0.3	Hexachlorobenzene	<0.3
2-Nitrophenol	<3	Pentachlorophenol	<3
2,4-Dimethylphenol	<3	Phenanthrene	1.6
Benzoic acid	<30	Anthracene	0.35
Bis(2-chloroethoxy)methane	<0.3	Carbazole	<0.3
2,4-Dichlorophenol	<3	Di-n-butyl phthalate	<0.3
1,2,4-Trichlorobenzene	<0.3	Fluoranthene	1.7
Naphthalene	<0.3	Pyrene	1.4
Hexachlorobutadiene	<0.3	Benzyl butyl phthalate	<0.3
4-Chloroaniline	<30	Benz(a)anthracene	0.58
4-Chloro-3-methylphenol	<3	Chrysene	0.54
2-Methylnaphthalene	0.63	Bis(2-ethylhexyl) phthalate	<3
Hexachlorocyclopentadiene	<0.9	Di-n-octyl phthalate	<0.3
2,4,6-Trichlorophenol	<3	Benzo(a)pyrene	0.60
2,4,5-Trichlorophenol	<3	Benzo(b)fluoranthene	0.48
2-Chloronaphthalene	<0.3	Benzo(k)fluoranthene	<0.3
2-Nitroaniline	<0.3	Indeno(1,2,3-cd)pyrene	0.37
Dimethyl phthalate	<0.3	Dibenz(a,h)anthracene	<0.3
Acenaphthylene	<0.3	Benzo(g,h,i)perylene	0.46
2,6-Dinitrotoluene	<0.3		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C

Client Sample ID: CMW6-5
 Date Received: 06/13/08
 Date Extracted: 06/18/05
 Date Analyzed: 06/27/08
 Matrix: Soil
 Units: mg/kg (ppm)

Client: SLR International Corp.
 Project: 001.0205.00010, F&BI 806166
 Lab ID: 806166-07 1/10
 Data File: 062714.D
 Instrument: GCMS3
 Operator: YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	64	30	118
Phenol-d6	80	30	118
Nitrobenzene-d5	81	10	180
2-Fluorobiphenyl	85	40	130
2,4,6-Tribromophenol	73	16	116
Terphenyl-d14	83	30	144

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Phenol	<3	3-Nitroaniline	<9
Bis(2-chloroethyl) ether	<0.3	Acenaphthene	<0.3
2-Chlorophenol	<3	2,4-Dinitrophenol	<9
1,3-Dichlorobenzene	<0.3	Dibenzofuran	<0.3
1,4-Dichlorobenzene	<0.3	2,4-Dinitrotoluene	<0.3
1,2-Dichlorobenzene	<0.3	4-Nitrophenol	<3
Benzyl alcohol	<0.3	Diethyl phthalate	<0.3
Bis(2-chloroisopropyl) ether	<0.3	Fluorene	<0.3
2-Methylphenol	<3	4-Chlorophenyl phenyl ether	<0.3
Hexachloroethane	<0.3	N-Nitrosodiphenylamine	<0.3
N-Nitroso-di-n-propylamine	<0.3	4-Nitroaniline	<9
4-Methylphenol	<3	4,6-Dinitro-2-methylphenol	<9
Nitrobenzene	<0.3	4-Bromophenyl phenyl ether	<0.3
Isophorone	<0.3	Hexachlorobenzene	<0.3
2-Nitrophenol	<3	Pentachlorophenol	<3
2,4-Dimethylphenol	<3	Phenanthrene	0.43
Benzoic acid	<30	Anthracene	<0.3
Bis(2-chloroethoxy)methane	<0.3	Carbazole	<0.3
2,4-Dichlorophenol	<3	Di-n-butyl phthalate	<0.3
1,2,4-Trichlorobenzene	<0.3	Fluoranthene	0.70
Naphthalene	<0.3	Pyrene	0.54
Hexachlorobutadiene	<0.3	Benzyl butyl phthalate	<0.3
4-Chloroaniline	<30	Benz(a)anthracene	0.33
4-Chloro-3-methylphenol	<3	Chrysene	0.36
2-Methylnaphthalene	<0.3	Bis(2-ethylhexyl) phthalate	<3
Hexachlorocyclopentadiene	<0.9	Di-n-octyl phthalate	<0.3
2,4,6-Trichlorophenol	<3	Benzo(a)pyrene	0.35
2,4,5-Trichlorophenol	<3	Benzo(b)fluoranthene	0.36
2-Chloronaphthalene	<0.3	Benzo(k)fluoranthene	<0.3
2-Nitroaniline	<0.3	Indeno(1,2,3-cd)pyrene	<0.3
Dimethyl phthalate	<0.3	Dibenz(a,h)anthracene	<0.3
Acenaphthylene	<0.3	Benzo(g,h,i)perylene	<0.3
2,6-Dinitrotoluene	<0.3		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C

Client Sample ID: CMW5-5
 Date Received: 06/13/08
 Date Extracted: 06/18/08
 Date Analyzed: 06/19/08
 Matrix: Soil
 Units: mg/kg (ppm)

Client: SLR International Corp.
 Project: 001.0205.00010, F&BI 806166
 Lab ID: 806166-08
 Data File: 061919.D
 Instrument: GCMS3
 Operator: YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	62	30	118
Phenol-d6	73	30	118
Nitrobenzene-d5	79	10	180
2-Fluorobiphenyl	79	40	130
2,4,6-Tribromophenol	73	16	116
Terphenyl-d14	68	30	144

Compounds:	Concentration mg/kg (ppm)
Phenol	<0.3
Bis(2-chloroethyl) ether	<0.03
2-Chlorophenol	<0.3
1,3-Dichlorobenzene	<0.03
1,4-Dichlorobenzene	<0.03
1,2-Dichlorobenzene	<0.03
Benzyl alcohol	<0.03
Bis(2-chloroisopropyl) ether	<0.03
2-Methylphenol	<0.3
Hexachloroethane	<0.03
N-Nitroso-di-n-propylamine	<0.03
4-Methylphenol	<0.3
Nitrobenzene	<0.03
Isophorone	<0.03
2-Nitrophenol	<0.3
2,4-Dimethylphenol	<0.3
Benzoic acid	<3
Bis(2-chloroethoxy)methane	<0.03
2,4-Dichlorophenol	<0.3
1,2,4-Trichlorobenzene	<0.03
Naphthalene	<0.03
Hexachlorobutadiene	<0.03
4-Chloroaniline	<3
4-Chloro-3-methylphenol	<0.3
2-Methylnaphthalene	<0.03
Hexachlorocyclopentadiene	<0.09
2,4,6-Trichlorophenol	<0.3
2,4,5-Trichlorophenol	<0.3
2-Chloronaphthalene	<0.03
2-Nitroaniline	<0.03
Dimethyl phthalate	<0.03
Acenaphthylene	<0.03
2,6-Dinitrotoluene	<0.03

Compounds:	Concentration mg/kg (ppm)
3-Nitroaniline	<0.9
Acenaphthene	<0.03
2,4-Dinitrophenol	<0.9
Dibenzofuran	<0.03
2,4-Dinitrotoluene	<0.03
4-Nitrophenol	<0.3
Diethyl phthalate	<0.03
Fluorene	<0.03
4-Chlorophenyl phenyl ether	<0.03
N-Nitrosodiphenylamine	<0.03
4-Nitroaniline	<0.9
4,6-Dinitro-2-methylphenol	<0.9
4-Bromophenyl phenyl ether	<0.03
Hexachlorobenzene	<0.03
Pentachlorophenol	<0.3
Phenanthrene	0.12
Anthracene	0.036
Carbazole	<0.03
Di-n-butyl phthalate	<0.03
Fluoranthene	0.17
Pyrene	0.16
Benzyl butyl phthalate	<0.03
Benz(a)anthracene	0.081
Chrysene	0.072
Bis(2-ethylhexyl) phthalate	<0.3
Di-n-octyl phthalate	<0.03
Benzo(a)pyrene	0.076
Benzo(b)fluoranthene	0.085
Benzo(k)fluoranthene	<0.03
Indeno(1,2,3-cd)pyrene	0.070
Dibenz(a,h)anthracene	<0.03
Benzo(g,h,i)perylene	0.074

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C

Client Sample ID:	Method Blank	Client:	SLR International Corp.
Date Received:	NA	Project:	001.0205.00010, F&BI 806166
Date Extracted:	06/18/08	Lab ID:	080963mb
Date Analyzed:	06/19/08	Data File:	061904.D
Matrix:	Soil	Instrument:	GCMS3
Units:	mg/kg (ppm)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	95	30	118
Phenol-d6	101	30	118
Nitrobenzene-d5	109	10	180
2-Fluorobiphenyl	111	40	130
2,4,6-Tribromophenol	119	16	116
Terphenyl-d14	104	30	144

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Phenol	<0.3	3-Nitroaniline	<0.9
Bis(2-chloroethyl) ether	<0.03	Acenaphthene	<0.03
2-Chlorophenol	<0.3	2,4-Dinitrophenol	<0.9
1,3-Dichlorobenzene	<0.03	Dibenzofuran	<0.03
1,4-Dichlorobenzene	<0.03	2,4-Dinitrotoluene	<0.03
1,2-Dichlorobenzene	<0.03	4-Nitrophenol	<0.3
Benzyl alcohol	<0.03	Diethyl phthalate	<0.03
Bis(2-chloroisopropyl) ether	<0.03	Fluorene	<0.03
2-Methylphenol	<0.3	4-Chlorophenyl phenyl ether	<0.03
Hexachloroethane	<0.03	N-Nitrosodiphenylamine	<0.03
N-Nitroso-di-n-propylamine	<0.03	4-Nitroaniline	<0.9
4-Methylphenol	<0.3	4,6-Dinitro-2-methylphenol	<0.9
Nitrobenzene	<0.03	4-Bromophenyl phenyl ether	<0.03
Isophorone	<0.03	Hexachlorobenzene	<0.03
2-Nitrophenol	<0.3	Pentachlorophenol	<0.3
2,4-Dimethylphenol	<0.3	Phenanthrene	<0.03
Benzoic acid	<3	Anthracene	<0.03
Bis(2-chloroethoxy)methane	<0.03	Carbazole	<0.03
2,4-Dichlorophenol	<0.3	Di-n-butyl phthalate	<0.03
1,2,4-Trichlorobenzene	<0.03	Fluoranthene	<0.03
Naphthalene	<0.03	Pyrene	<0.03
Hexachlorobutadiene	<0.03	Benzyl butyl phthalate	<0.03
4-Chloroaniline	<3	Benz(a)anthracene	<0.03
4-Chloro-3-methylphenol	<0.3	Chrysene	<0.03
2-Methylnaphthalene	<0.03	Bis(2-ethylhexyl) phthalate	<0.3
Hexachlorocyclopentadiene	<0.09	Di-n-octyl phthalate	<0.03
2,4,6-Trichlorophenol	<0.3	Benzo(a)pyrene	<0.03
2,4,5-Trichlorophenol	<0.3	Benzo(b)fluoranthene	<0.03
2-Chloronaphthalene	<0.03	Benzo(k)fluoranthene	<0.03
2-Nitroaniline	<0.03	Indeno(1,2,3-cd)pyrene	<0.03
Dimethyl phthalate	<0.03	Dibenz(a,h)anthracene	<0.03
Acenaphthylene	<0.03	Benzo(g,h,i)perylene	<0.03
2,6-Dinitrotoluene	<0.03		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C SIM

Client Sample ID:	CMW1-5	Client:	SLR International Corp.
Date Received:	06/13/08	Project:	001.0205.00010, F&BI 806166
Date Extracted:	06/18/08	Lab ID:	806166-01 1/5
Date Analyzed:	06/20/08	Data File:	062025.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	95	50	150
Benzo(a)anthracene-d12	82	35	159

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	<0.01
Pyrene	<0.01
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C SIM

Client Sample ID:	CMW2a-4	Client:	SLR International Corp.
Date Received:	06/13/08	Project:	001.0205.00010, F&BI 806166
Date Extracted:	06/18/08	Lab ID:	806166-02 1/5
Date Analyzed:	06/20/08	Data File:	062030.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	102	50	150
Benzo(a)anthracene-d12	85	35	159

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	<0.01
Pyrene	<0.01
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C SIM

Client Sample ID:	CMW3-5	Client:	SLR International Corp.
Date Received:	06/13/08	Project:	001.0205.00010, F&BI 806166
Date Extracted:	06/18/08	Lab ID:	806166-03 1/5
Date Analyzed:	06/20/08	Data File:	062028.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	98	50	150
Benzo(a)anthracene-d12	81	35	159

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	0.021
Anthracene	<0.01
Fluoranthene	0.021
Pyrene	0.025
Benz(a)anthracene	0.011
Chrysene	0.014
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C SIM

Client Sample ID:	CMW3-10	Client:	SLR International Corp.
Date Received:	06/13/08	Project:	001.0205.00010, F&BI 806166
Date Extracted:	06/18/08	Lab ID:	806166-04 1/50
Date Analyzed:	06/21/08	Data File:	062036.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	265 ds	50	150
Benzo(a)anthracene-d12	90	35	159

Compounds:	Concentration mg/kg (ppm)
Naphthalene	0.72
Acenaphthylene	<0.1
Acenaphthene	0.67
Fluorene	1.6
Phenanthrene	3.0
Anthracene	21 ve
Fluoranthene	2.1
Pyrene	1.8
Benz(a)anthracene	0.87
Chrysene	3.1
Benzo(a)pyrene	0.67
Benzo(b)fluoranthene	0.82
Benzo(k)fluoranthene	0.37
Indeno(1,2,3-cd)pyrene	0.46
Dibenz(a,h)anthracene	<0.1
Benzo(g,h,i)perylene	0.34

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C SIM

Client Sample ID:	CMW7-5	Client:	SLR International Corp.
Date Received:	06/13/08	Project:	001.0205.00010, F&BI 806166
Date Extracted:	06/18/08	Lab ID:	806166-05 1/50
Date Analyzed:	06/21/08	Data File:	062035.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	376 ds	50	150
Benzo(a)anthracene-d12	99	35	159

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.1
Acenaphthylene	<0.1
Acenaphthene	<0.1
Fluorene	<0.1
Phenanthrene	0.47
Anthracene	0.25
Fluoranthene	1.1
Pyrene	1.0
Benz(a)anthracene	0.60
Chrysene	0.97
Benzo(a)pyrene	0.58
Benzo(b)fluoranthene	0.84
Benzo(k)fluoranthene	0.35
Indeno(1,2,3-cd)pyrene	0.48
Dibenz(a,h)anthracene	<0.1
Benzo(g,h,i)perylene	0.37

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C SIM

Client Sample ID:	CMW7-7	Client:	SLR International Corp.
Date Received:	06/13/08	Project:	001.0205.00010, F&BI 806166
Date Extracted:	06/18/08	Lab ID:	806166-06 1/50
Date Analyzed:	06/21/08	Data File:	062038.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	332 ds	50	150
Benzo(a)anthracene-d12	90	35	159

Compounds:	Concentration mg/kg (ppm)
Naphthalene	0.15
Acenaphthylene	<0.1
Acenaphthene	0.15
Fluorene	0.17
Phenanthrene	1.3
Anthracene	0.28
Fluoranthene	1.4
Pyrene	1.4
Benz(a)anthracene	0.49
Chrysene	0.55
Benzo(a)pyrene	0.48
Benzo(b)fluoranthene	0.52
Benzo(k)fluoranthene	0.22
Indeno(1,2,3-cd)pyrene	0.36
Dibenz(a,h)anthracene	<0.1
Benzo(g,h,i)perylene	0.36

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C SIM

Client Sample ID:	CMW6-5	Client:	SLR International Corp.
Date Received:	06/13/08	Project:	001.0205.00010, F&BI 806166
Date Extracted:	06/18/08	Lab ID:	806166-07 1/5
Date Analyzed:	06/21/08	Data File:	062040.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	99	50	150
Benzo(a)anthracene-d12	91	35	159

Compounds:	Concentration mg/kg (ppm)
Naphthalene	0.018
Acenaphthylene	<0.01
Acenaphthene	0.034
Fluorene	0.039
Phenanthrene	0.32
Anthracene	0.096
Fluoranthene	0.44
Pyrene	0.42
Benz(a)anthracene	0.27
Chrysene	0.33
Benzo(a)pyrene	0.28
Benzo(b)fluoranthene	0.37
Benzo(k)fluoranthene	0.12
Indeno(1,2,3-cd)pyrene	0.19
Dibenz(a,h)anthracene	0.050
Benzo(g,h,i)perylene	0.19

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C SIM

Client Sample ID:	CMW5-5	Client:	SLR International Corp.
Date Received:	06/13/08	Project:	001.0205.00010, F&BI 806166
Date Extracted:	06/18/08	Lab ID:	806166-08 1/5
Date Analyzed:	06/21/08	Data File:	062031.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	98	50	150
Benzo(a)anthracene-d12	86	35	159

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	0.011
Fluorene	<0.01
Phenanthrene	0.10
Anthracene	0.029
Fluoranthene	0.15
Pyrene	0.17
Benz(a)anthracene	0.064
Chrysene	0.099
Benzo(a)pyrene	0.075
Benzo(b)fluoranthene	0.10
Benzo(k)fluoranthene	0.035
Indeno(1,2,3-cd)pyrene	0.069
Dibenz(a,h)anthracene	0.014
Benzo(g,h,i)perylene	0.064

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C SIM

Client Sample ID:	Method Blank	Client:	SLR International Corp.
Date Received:	NA	Project:	001.0205.00010, F&BI 806166
Date Extracted:	06/17/08	Lab ID:	080962 mb2
Date Analyzed:	06/19/08	Data File:	061904.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	84	50	150
Benzo(a)anthracene-d12	81	35	159

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	<0.01
Pyrene	<0.01
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/30/08
 Date Received: 06/13/08
 Project: 001.0205.00010, F&BI 806166
 Date Extracted: 06/17/08
 Date Analyzed: 06/18/08

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
 FOR PCBs REPORTED AS AROCLORS
 USING EPA METHOD 8082**

Results Reported on a Dry Weight Basis
 Results Reported as mg/kg (ppm)

<u>Sample ID</u> Laboratory ID	Aroclor								Surrogate (% Rec.) (Limit 50-150)
	<u>1221</u>	<u>1232</u>	<u>1016</u>	<u>1242</u>	<u>1248</u>	<u>1254</u>	<u>1260</u>	<u>1262</u>	
CMW1-5 806166-01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	87
CMW2a-4 806166-02	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	83
CMW3-5 806166-03	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	106
CMW3-10 806166-04	<0.1	<0.1	<0.1	<0.1	<0.1	0.3	<0.1	<0.1	96
CMW7-5 806166-05	<0.1	<0.1	<0.1	<0.1	<0.1	0.7	<0.1	<0.1	86
CMW7-7 806166-06	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	<0.1	<0.1	97
CMW6-5 806166-07	<0.1	<0.1	<0.1	<0.1	<0.1	0.3	<0.1	<0.1	99
CMW5-5 806166-08	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	94
Method Blank	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	98

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/30/08

Date Received: 06/13/08

Project: 001.0205.00010, F&BI 806166

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
USING METHOD NWTPH-G_x**

Laboratory Code: 806170-04 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Gasoline	mg/kg (ppm)	<2	<2	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	mg/kg (ppm)	20	124	70-130

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/30/08

Date Received: 06/13/08

Project: 001.0205.00010, F&BI 806166

**QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS
DIESEL EXTENDED USING METHOD NWTPH-D_x**

Laboratory Code: 806190-01 (Matrix Spike) Silica Gel

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	133	136	50-150	2

Laboratory Code: Laboratory Control Sample Silica Gel

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	125	70-130

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/30/08

Date Received: 06/13/08

Project: 001.0205.00010, F&BI 806166

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TOTAL METALS USING EPA METHOD 200.8

Laboratory Code: 806166-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	mg/kg (ppm)	11.3	11.2	1	0-20
Arsenic	mg/kg (ppm)	2.17	2.26	4	0-20
Selenium	mg/kg (ppm)	<1	<1	nm	0-20
Silver	mg/kg (ppm)	<1	<1	nm	0-20
Cadmium	mg/kg (ppm)	<1	<1	nm	0-20
Barium	mg/kg (ppm)	31.7	32.0	1	0-20
Lead	mg/kg (ppm)	2.42	2.11	14	0-20
Copper	mg/kg (ppm)	9.18	9.28	1	0-20

Laboratory Code: 806166-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Chromium	mg/kg (ppm)	50	11.3	93 b	50-150
Arsenic	mg/kg (ppm)	10	2.17	94 b	50-150
Selenium	mg/kg (ppm)	5	<1	92	50-150
Silver	mg/kg (ppm)	10	<1	99	50-150
Cadmium	mg/kg (ppm)	10	<1	99	50-150
Barium	mg/kg (ppm)	50	31.7	103 b	50-150
Lead	mg/kg (ppm)	50	2.42	101	50-150
Copper	mg/kg (ppm)	50	9.18	89	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Chromium	mg/kg (ppm)	50	103	70-130
Arsenic	mg/kg (ppm)	10	98	70-130
Selenium	mg/kg (ppm)	5	98	70-130
Silver	mg/kg (ppm)	10	101	70-130
Cadmium	mg/kg (ppm)	10	100	70-130
Barium	mg/kg (ppm)	50	103	70-130
Lead	mg/kg (ppm)	50	106	70-130
Copper	mg/kg (ppm)	50	103	70-130

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/30/08

Date Received: 06/13/08

Project: 001.0205.00010, F&BI 806166

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF SOIL SAMPLES FOR
TOTAL MERCURY
USING EPA METHOD 1631E**

Laboratory Code: 806166-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Mercury	mg/kg (ppm)	0.125	<0.2	111	112	50-150	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Mercury	mg/kg (ppm)	0.125	106	70-130

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/30/08

Date Received: 06/13/08

Project: 001.0205.00010, F&BI 806166

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260B

Laboratory Code: 806167-20 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Dichlorodifluoromethane	mg/kg (ppm)	<0.05	<0.05	nm
Chloromethane	mg/kg (ppm)	<0.05	<0.05	nm
Vinyl chloride	mg/kg (ppm)	<0.05	<0.05	nm
Bromomethane	mg/kg (ppm)	<0.05	<0.05	nm
Chloroethane	mg/kg (ppm)	<0.05	<0.05	nm
Trichlorofluoromethane	mg/kg (ppm)	<0.05	<0.05	nm
Acetone	mg/kg (ppm)	<0.5	<0.5	nm
1,1-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
Methylene chloride	mg/kg (ppm)	<0.5	<0.5	nm
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	<0.05	<0.05	nm
trans-1,2-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
1,1-Dichloroethane	mg/kg (ppm)	<0.05	<0.05	nm
2,2-Dichloropropane	mg/kg (ppm)	<0.05	<0.05	nm
cis-1,2-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
Chloroform	mg/kg (ppm)	<0.05	<0.05	nm
2-Butanone (MEK)	mg/kg (ppm)	<0.5	<0.5	nm
1,2-Dichloroethane (EDC)	mg/kg (ppm)	<0.05	<0.05	nm
1,1,1-Trichloroethane	mg/kg (ppm)	<0.05	<0.05	nm
1,1-Dichloropropene	mg/kg (ppm)	<0.05	<0.05	nm
Carbon Tetrachloride	mg/kg (ppm)	<0.05	<0.05	nm
Benzene	mg/kg (ppm)	<0.03	<0.03	nm
Trichloroethene	mg/kg (ppm)	<0.03	<0.03	nm
1,2-Dichloropropane	mg/kg (ppm)	<0.05	<0.05	nm
Bromodichloromethane	mg/kg (ppm)	<0.05	<0.05	nm
Dibromomethane	mg/kg (ppm)	<0.05	<0.05	nm
4-Methyl-2-pentanone	mg/kg (ppm)	<0.5	<0.5	nm
cis-1,3-Dichloropropene	mg/kg (ppm)	<0.05	<0.05	nm
Toluene	mg/kg (ppm)	<0.05	<0.05	nm
trans-1,3-Dichloropropene	mg/kg (ppm)	<0.05	<0.05	nm
1,1,2-Trichloroethane	mg/kg (ppm)	<0.05	<0.05	nm
2-Hexanone	mg/kg (ppm)	<0.5	<0.5	nm
1,3-Dichloropropane	mg/kg (ppm)	<0.05	<0.05	nm
Tetrachloroethene	mg/kg (ppm)	<0.025	<0.025	nm
Dibromochloromethane	mg/kg (ppm)	<0.05	<0.05	nm
1,2-Dibromoethane (EDB)	mg/kg (ppm)	<0.05	<0.05	nm
Chlorobenzene	mg/kg (ppm)	<0.05	<0.05	nm
Ethylbenzene	mg/kg (ppm)	0.075	0.06	22 a
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	<0.05	<0.05	nm
m,p-Xylene	mg/kg (ppm)	<0.1	<0.1	nm
o-Xylene	mg/kg (ppm)	<0.05	<0.05	nm
Styrene	mg/kg (ppm)	<0.05	<0.05	nm
Isopropylbenzene	mg/kg (ppm)	0.44	0.37	17
Bromoform	mg/kg (ppm)	<0.05	<0.05	nm
n-Propylbenzene	mg/kg (ppm)	0.91	0.78	15
Bromobenzene	mg/kg (ppm)	<0.05	<0.05	nm
1,3,5-Trimethylbenzene	mg/kg (ppm)	<0.05	<0.05	nm
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	<0.05	<0.05	nm
1,2,3-Trichloropropane	mg/kg (ppm)	<0.05	<0.05	nm
2-Chlorotoluene	mg/kg (ppm)	<0.05	<0.05	nm
4-Chlorotoluene	mg/kg (ppm)	<0.05	<0.05	nm
tert-Butylbenzene	mg/kg (ppm)	0.061	0.053	14
1,2,4-Trimethylbenzene	mg/kg (ppm)	<0.05	<0.05	nm
sec-Butylbenzene	mg/kg (ppm)	1.2	1.1	9
p-Isopropyltoluene	mg/kg (ppm)	0.16	0.14	13
1,3-Dichlorobenzene	mg/kg (ppm)	<0.05	<0.05	nm
1,4-Dichlorobenzene	mg/kg (ppm)	<0.05	<0.05	nm
1,2-Dichlorobenzene	mg/kg (ppm)	<0.05	<0.05	nm
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	<0.05	<0.05	nm
1,2,4-Trichlorobenzene	mg/kg (ppm)	<0.05	<0.05	nm
Hexachlorobutadiene	mg/kg (ppm)	<0.05	<0.05	nm
Naphthalene	mg/kg (ppm)	2.5	2.3	8
1,2,3-Trichlorobenzene	mg/kg (ppm)	<0.05	<0.05	nm

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/30/08

Date Received: 06/13/08

Project: 001.0205.00010, F&BI 806166

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260B

Laboratory Code: 806166-06 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Dichlorodifluoromethane	mg/kg (ppm)	2.5	<0.05	77	50-150
Chloromethane	mg/kg (ppm)	2.5	<0.05	86	50-150
Vinyl chloride	mg/kg (ppm)	2.5	<0.05	96	50-150
Bromomethane	mg/kg (ppm)	2.5	<0.05	122	50-150
Chloroethane	mg/kg (ppm)	2.5	<0.05	96	50-150
Trichlorofluoromethane	mg/kg (ppm)	2.5	<0.05	103	50-150
Acetone	mg/kg (ppm)	2.5	<0.5	68	50-150
1,1-Dichloroethene	mg/kg (ppm)	2.5	<0.05	85	50-150
Methylene chloride	mg/kg (ppm)	2.5	<0.5	80	50-150
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2.5	<0.05	66	51-143
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	93	50-150
1,1-Dichloroethane	mg/kg (ppm)	2.5	<0.05	95	50-150
2,2-Dichloropropane	mg/kg (ppm)	2.5	<0.05	94	50-150
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	103	50-150
Chloroform	mg/kg (ppm)	2.5	<0.05	95	50-150
2-Butanone (MEK)	mg/kg (ppm)	2.5	<0.5	95	50-150
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	<0.05	86	50-150
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	<0.05	99	50-150
1,1-Dichloropropene	mg/kg (ppm)	2.5	<0.05	96	50-150
Carbon Tetrachloride	mg/kg (ppm)	2.5	<0.05	100	50-150
Benzene	mg/kg (ppm)	2.5	<0.03	97	42-134
Trichloroethene	mg/kg (ppm)	2.5	<0.03	96	50-150
1,2-Dichloropropane	mg/kg (ppm)	2.5	<0.05	97	50-150
Bromodichloromethane	mg/kg (ppm)	2.5	<0.05	99	50-150
Dibromomethane	mg/kg (ppm)	2.5	<0.05	99	50-150
4-Methyl-2-pentanone	mg/kg (ppm)	2.5	<0.5	93	50-150
cis-1,3-Dichloropropene	mg/kg (ppm)	2.5	<0.05	104	50-150
Toluene	mg/kg (ppm)	2.5	<0.05	98	36-143
trans-1,3-Dichloropropene	mg/kg (ppm)	2.5	<0.05	99	50-150
1,1,2-Trichloroethane	mg/kg (ppm)	2.5	<0.05	99	50-150
2-Hexanone	mg/kg (ppm)	2.5	<0.5	91	50-150
1,3-Dichloropropane	mg/kg (ppm)	2.5	<0.05	96	50-150
Tetrachloroethene	mg/kg (ppm)	2.5	<0.025	98	50-150
Dibromochloromethane	mg/kg (ppm)	2.5	<0.05	101	50-150
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2.5	<0.05	98	50-150
Chlorobenzene	mg/kg (ppm)	2.5	<0.05	94	50-150
Ethylbenzene	mg/kg (ppm)	2.5	<0.05	98	39-141
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	2.5	<0.05	100	50-150
m,p-Xylene	mg/kg (ppm)	5	<0.1	100	37-143
o-Xylene	mg/kg (ppm)	2.5	<0.05	100	50-150
Styrene	mg/kg (ppm)	2.5	<0.05	101	50-150
Isopropylbenzene	mg/kg (ppm)	2.5	<0.05	98	50-150
Bromoform	mg/kg (ppm)	2.5	<0.05	79	50-150
n-Propylbenzene	mg/kg (ppm)	2.5	<0.05	95	50-150
Bromobenzene	mg/kg (ppm)	2.5	<0.05	102	50-150
1,3,5-Trimethylbenzene	mg/kg (ppm)	2.5	<0.05	102	50-150
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	2.5	<0.05	94	50-150
1,2,3-Trichloropropane	mg/kg (ppm)	2.5	<0.05	90	50-150
2-Chlorotoluene	mg/kg (ppm)	2.5	<0.05	95	50-150
4-Chlorotoluene	mg/kg (ppm)	2.5	<0.05	93	50-150
tert-Butylbenzene	mg/kg (ppm)	2.5	<0.05	98	50-150
1,2,4-Trimethylbenzene	mg/kg (ppm)	2.5	<0.05	106	50-150
sec-Butylbenzene	mg/kg (ppm)	2.5	<0.05	95	50-150
p-Isopropyltoluene	mg/kg (ppm)	2.5	<0.05	102	50-150
1,3-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	92	50-150
1,4-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	89	50-150
1,2-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	93	50-150
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	2.5	<0.05	92	50-150
1,2,4-Trichlorobenzene	mg/kg (ppm)	2.5	<0.05	99	50-150
Hexachlorobutadiene	mg/kg (ppm)	2.5	<0.05	86	50-150
Naphthalene	mg/kg (ppm)	2.5	0.064	96	50-150
1,2,3-Trichlorobenzene	mg/kg (ppm)	2.5	<0.05	91	50-150

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/30/08

Date Received: 06/13/08

Project: 001.0205.00010, F&BI 806166

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260B

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Dichlorodifluoromethane	mg/kg (ppm)	2.5	77	10-146
Chloromethane	mg/kg (ppm)	2.5	79	6-137
Vinyl chloride	mg/kg (ppm)	2.5	82	22-139
Bromomethane	mg/kg (ppm)	2.5	103	41-119
Chloroethane	mg/kg (ppm)	2.5	75	38-142
Trichlorofluoromethane	mg/kg (ppm)	2.5	87	28-177
Acetone	mg/kg (ppm)	2.5	85	52-161
1,1-Dichloroethene	mg/kg (ppm)	2.5	78	46-132
Methylene chloride	mg/kg (ppm)	2.5	82	46-131
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2.5	83	69-124
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	97	67-120
1,1-Dichloroethane	mg/kg (ppm)	2.5	97	77-117
2,2-Dichloropropane	mg/kg (ppm)	2.5	101	53-139
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	107	75-122
Chloroform	mg/kg (ppm)	2.5	98	73-118
2-Butanone (MEK)	mg/kg (ppm)	2.5	107	60-134
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	90	74-122
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	102	74-125
1,1-Dichloropropene	mg/kg (ppm)	2.5	101	73-120
Carbon Tetrachloride	mg/kg (ppm)	2.5	104	72-125
Benzene	mg/kg (ppm)	2.5	101	70-122
Trichloroethene	mg/kg (ppm)	2.5	101	76-119
1,2-Dichloropropane	mg/kg (ppm)	2.5	103	77-131
Bromodichloromethane	mg/kg (ppm)	2.5	105	75-125
Dibromomethane	mg/kg (ppm)	2.5	103	80-125
4-Methyl-2-pentanone	mg/kg (ppm)	2.5	98	61-148
cis-1,3-Dichloropropene	mg/kg (ppm)	2.5	112	75-136
Toluene	mg/kg (ppm)	2.5	102	66-126
trans-1,3-Dichloropropene	mg/kg (ppm)	2.5	107	72-132
1,1,2-Trichloroethane	mg/kg (ppm)	2.5	102	65-136
2-Hexanone	mg/kg (ppm)	2.5	94	62-152
1,3-Dichloropropane	mg/kg (ppm)	2.5	101	72-130
Tetrachloroethene	mg/kg (ppm)	2.5	106	79-127
Dibromochloromethane	mg/kg (ppm)	2.5	107	76-130
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2.5	104	74-132
Chlorobenzene	mg/kg (ppm)	2.5	102	79-115
Ethylbenzene	mg/kg (ppm)	2.5	103	64-123
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	2.5	107	69-135
m,p-Xylene	mg/kg (ppm)	5	107	66-120
o-Xylene	mg/kg (ppm)	2.5	108	66-118
Styrene	mg/kg (ppm)	2.5	106	81-112
Isopropylbenzene	mg/kg (ppm)	2.5	107	79-112
Bromoform	mg/kg (ppm)	2.5	83	76-129
n-Propylbenzene	mg/kg (ppm)	2.5	107	81-117
Bromobenzene	mg/kg (ppm)	2.5	107	72-122
1,3,5-Trimethylbenzene	mg/kg (ppm)	2.5	108	74-111
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	2.5	101	56-143
1,2,3-Trichloropropane	mg/kg (ppm)	2.5	96	61-137
2-Chlorotoluene	mg/kg (ppm)	2.5	104	83-114
4-Chlorotoluene	mg/kg (ppm)	2.5	104	82-113
tert-Butylbenzene	mg/kg (ppm)	2.5	108	78-111
1,2,4-Trimethylbenzene	mg/kg (ppm)	2.5	107	75-110
sec-Butylbenzene	mg/kg (ppm)	2.5	107	78-119
p-Isopropyltoluene	mg/kg (ppm)	2.5	110	74-114
1,3-Dichlorobenzene	mg/kg (ppm)	2.5	104	82-114
1,4-Dichlorobenzene	mg/kg (ppm)	2.5	100	79-109
1,2-Dichlorobenzene	mg/kg (ppm)	2.5	103	81-117
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	2.5	99	42-166
1,2,4-Trichlorobenzene	mg/kg (ppm)	2.5	114	70-129
Hexachlorobutadiene	mg/kg (ppm)	2.5	103	50-153
Naphthalene	mg/kg (ppm)	2.5	104	65-138
1,2,3-Trichlorobenzene	mg/kg (ppm)	2.5	101	74-125

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/30/08

Date Received: 06/13/08

Project: 001.0205.00010, F&BI 806166

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR SEMIVOLATILES BY EPA METHOD 8270C

Laboratory Code: 806166-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	RPD (Limit 20)
Phenol	mg/kg (ppm)	<0.3	<0.3	nm
2-Chlorophenol	mg/kg (ppm)	<0.3	<0.3	nm
1,4-Dichlorobenzene	mg/kg (ppm)	<0.03	<0.03	nm
2-Methylphenol	mg/kg (ppm)	<0.3	<0.3	nm
N-Nitroso-di-n-propylamine	mg/kg (ppm)	<0.03	<0.03	nm
4-Methylphenol	mg/kg (ppm)	<0.3	<0.3	nm
2-Nitrophenol	mg/kg (ppm)	<0.3	<0.3	nm
2,4-Dimethylphenol	mg/kg (ppm)	<0.3	<0.3	nm
Benzoic acid	mg/kg (ppm)	<3	<3	nm
2,4-Dichlorophenol	mg/kg (ppm)	<0.3	<0.3	nm
1,2,4-Trichlorobenzene	mg/kg (ppm)	<0.03	<0.03	nm
Naphthalene	mg/kg (ppm)	<0.03	<0.03	nm
4-Chloro-3-methylphenol	mg/kg (ppm)	<0.3	<0.3	nm
Hexachlorocyclopentadiene	mg/kg (ppm)	<0.09	<0.09	nm
2,4,6-Trichlorophenol	mg/kg (ppm)	<0.3	<0.3	nm
2,4,5-Trichlorophenol	mg/kg (ppm)	<0.3	<0.3	nm
Acenaphthene	mg/kg (ppm)	<0.03	<0.03	nm
2,4-Dinitrophenol	mg/kg (ppm)	<0.9	<0.9	nm
2,4-Dinitrotoluene	mg/kg (ppm)	<0.03	<0.03	nm
4-Nitrophenol	mg/kg (ppm)	<0.3	<0.3	nm
4,6-Dinitro-2-methylphenol	mg/kg (ppm)	<0.9	<0.9	nm
Hexachlorobenzene	mg/kg (ppm)	<0.03	<0.03	nm
Pentachlorophenol	mg/kg (ppm)	<0.3	<0.3	nm
Pyrene	mg/kg (ppm)	<0.03	<0.03	nm
Benzo(a)pyrene	mg/kg (ppm)	<0.03	<0.03	nm

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/30/08

Date Received: 06/13/08

Project: 001.0205.00010, F&BI 806166

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR SEMIVOLATILES BY EPA METHOD 8270C

Laboratory Code: 806166-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery	Acceptance
				MS	Criteria
Phenol	mg/kg (ppm)	2.5	<0.3	72	10-129
2-Chlorophenol	mg/kg (ppm)	2.5	<0.3	73	47-108
1,4-Dichlorobenzene	mg/kg (ppm)	1.7	<0.03	75	39-110
2-Methylphenol	mg/kg (ppm)	2.5	<0.03	77	50-150
N-Nitroso-di-n-propylamine	mg/kg (ppm)	1.7	<0.03	80	50-150
4-Methylphenol	mg/kg (ppm)	2.5	<0.03	73	50-150
2-Nitrophenol	mg/kg (ppm)	2.5	<0.3	80	50-150
2,4-Dimethylphenol	mg/kg (ppm)	2.5	<0.03	71	50-150
Benzoic acid	mg/kg (ppm)	2.5	<3	82	50-150
2,4-Dichlorophenol	mg/kg (ppm)	2.5	<0.03	80	50-150
1,2,4-Trichlorobenzene	mg/kg (ppm)	1.7	<0.03	78	44-111
Naphthalene	mg/kg (ppm)	1.7	<0.03	76	29-120
4-Chloro-3-methylphenol	mg/kg (ppm)	2.5	<0.9	81	35-115
Hexachlorocyclopentadiene	mg/kg (ppm)	1.7	<0.03	77	50-150
2,4,6-Trichlorophenol	mg/kg (ppm)	2.5	<0.03	76	50-150
2,4,5-Trichlorophenol	mg/kg (ppm)	2.5	<0.03	78	50-150
Acenaphthene	mg/kg (ppm)	1.7	<0.3	74	60-106
2,4-Dinitrophenol	mg/kg (ppm)	2.5	<0.03	76	50-150
2,4-Dinitrotoluene	mg/kg (ppm)	1.7	<0.9	80	54-124
4-Nitrophenol	mg/kg (ppm)	2.5	<0.3	81	10-134
4,6-Dinitro-2-methylphenol	mg/kg (ppm)	2.5	<0.03	88	50-150
Hexachlorobenzene	mg/kg (ppm)	1.7	<0.03	78	50-150
Pentachlorophenol	mg/kg (ppm)	2.5	<0.03	91	31-120
Pyrene	mg/kg (ppm)	1.7	<0.03	67	45-119
Benzo(a)pyrene	mg/kg (ppm)	1.7	<0.03	70	28-126

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/30/08

Date Received: 06/13/08

Project: 001.0205.00010, F&BI 806166

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR SEMIVOLATILES BY EPA METHOD 8270C

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Phenol	mg/kg (ppm)	2.5	66	71	49-103	7
2-Chlorophenol	mg/kg (ppm)	2.5	67	73	53-103	9
1,4-Dichlorobenzene	mg/kg (ppm)	1.7	78	82	52-104	5
2-Methylphenol	mg/kg (ppm)	2.5	71	76	59-95	7
N-Nitroso-di-n-propylamine	mg/kg (ppm)	1.7	50	56	46-114	11
4-Methylphenol	mg/kg (ppm)	2.5	64	69	43-103	8
2-Nitrophenol	mg/kg (ppm)	2.5	76	82	63-100	8
2,4-Dimethylphenol	mg/kg (ppm)	2.5	60	65	35-94	8
Benzoic acid	mg/kg (ppm)	2.5	79	72	49-132	9
2,4-Dichlorophenol	mg/kg (ppm)	2.5	74	82	63-99	10
1,2,4-Trichlorobenzene	mg/kg (ppm)	1.7	74	79	54-106	7
Naphthalene	mg/kg (ppm)	1.7	76	81	56-110	6
4-Chloro-3-methylphenol	mg/kg (ppm)	2.5	74	81	54-109	9
Hexachlorocyclopentadiene	mg/kg (ppm)	1.7	69	73	34-114	6
2,4,6-Trichlorophenol	mg/kg (ppm)	2.5	69	76	43-110	10
2,4,5-Trichlorophenol	mg/kg (ppm)	2.5	73	79	64-110	8
Acenaphthene	mg/kg (ppm)	1.7	71	78	55-105	9
2,4-Dinitrophenol	mg/kg (ppm)	2.5	70	76	52-128	8
2,4-Dinitrotoluene	mg/kg (ppm)	1.7	74	80	53-115	8
4-Nitrophenol	mg/kg (ppm)	2.5	75	82	46-122	9
4,6-Dinitro-2-methylphenol	mg/kg (ppm)	2.5	77	85	52-133	10
Hexachlorobenzene	mg/kg (ppm)	1.7	66	74	49-110	11
Pentachlorophenol	mg/kg (ppm)	2.5	71	79	33-127	11
Pyrene	mg/kg (ppm)	1.7	65	73	53-110	12
Benzo(a)pyrene	mg/kg (ppm)	1.7	67	73	56-111	9

Note: The calibration verification result for chrysene, benzo(b)fluoranthene, and benzo(k)fluoranthene exceeded 15% deviation. The average deviation for all compounds was not greater than 15%; therefore, the initial calibration is considered valid.

Note: The calibration verification result for 2-fluorophenol and benzo(k)fluoranthene exceeded 15% deviation. The average deviation for all compounds was not greater than 15%; therefore, the initial calibration is considered valid. This applies to sample 806166-07 1/10.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/30/08

Date Received: 06/13/08

Project: 001.0205.00010, F&BI 806166

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR PNA'S BY EPA METHOD 8270C SIM

Laboratory Code: 806166-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Naphthalene	mg/kg (ppm)	<0.01	<0.01	nm
Acenaphthylene	mg/kg (ppm)	<0.01	<0.01	nm
Acenaphthene	mg/kg (ppm)	<0.01	<0.01	nm
Fluorene	mg/kg (ppm)	<0.01	<0.01	nm
Phenanthrene	mg/kg (ppm)	<0.01	<0.01	nm
Anthracene	mg/kg (ppm)	<0.01	<0.01	nm
Fluoranthene	mg/kg (ppm)	<0.01	<0.01	nm
Pyrene	mg/kg (ppm)	<0.01	<0.01	nm
Benz(a)anthracene	mg/kg (ppm)	<0.01	<0.01	nm
Chrysene	mg/kg (ppm)	<0.01	<0.01	nm
Benzo(b)fluoranthene	mg/kg (ppm)	<0.01	<0.01	nm
Benzo(k)fluoranthene	mg/kg (ppm)	<0.01	<0.01	nm
Benzo(a)pyrene	mg/kg (ppm)	<0.01	<0.01	nm
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	<0.01	<0.01	nm
Dibenz(a,h)anthracene	mg/kg (ppm)	<0.01	<0.01	nm
Benzo(g,h,i)perylene	mg/kg (ppm)	<0.01	<0.01	nm

Laboratory Code: : 806166-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Naphthalene	mg/kg (ppm)	0.17	<0.01	77	50-150
Acenaphthylene	mg/kg (ppm)	0.17	<0.01	75	16-167
Acenaphthene	mg/kg (ppm)	0.17	<0.01	76	58-108
Fluorene	mg/kg (ppm)	0.17	<0.01	78	57-113
Phenanthrene	mg/kg (ppm)	0.17	<0.01	75	30-138
Anthracene	mg/kg (ppm)	0.17	<0.01	70	42-132
Fluoranthene	mg/kg (ppm)	0.17	<0.01	76	45-145
Pyrene	mg/kg (ppm)	0.17	<0.01	76	44-139
Benz(a)anthracene	mg/kg (ppm)	0.17	<0.01	69	17-134
Chrysene	mg/kg (ppm)	0.17	<0.01	77	10-157
Benzo(b)fluoranthene	mg/kg (ppm)	0.17	<0.01	70	28-134
Benzo(k)fluoranthene	mg/kg (ppm)	0.17	<0.01	76	55-115
Benzo(a)pyrene	mg/kg (ppm)	0.17	<0.01	65	37-123
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.17	<0.01	66	61-104
Dibenz(a,h)anthracene	mg/kg (ppm)	0.17	<0.01	73	69-100
Benzo(g,h,i)perylene	mg/kg (ppm)	0.17	<0.01	72	60-105

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/30/08

Date Received: 06/13/08

Project: 001.0205.00010, F&BI 806166

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL
SAMPLES FOR PNA'S BY EPA METHOD 8270C SIM**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Naphthalene	mg/kg (ppm)	0.17	80	84	72-112	5
Acenaphthylene	mg/kg (ppm)	0.17	75	83	68-112	10
Acenaphthene	mg/kg (ppm)	0.17	78	84	70-111	7
Fluorene	mg/kg (ppm)	0.17	86	84	69-110	2
Phenanthrene	mg/kg (ppm)	0.17	78	82	68-111	5
Anthracene	mg/kg (ppm)	0.17	79	81	67-110	2
Fluoranthene	mg/kg (ppm)	0.17	81	85	68-114	5
Pyrene	mg/kg (ppm)	0.17	80	85	68-114	6
Benz(a)anthracene	mg/kg (ppm)	0.17	71	76	58-108	7
Chrysene	mg/kg (ppm)	0.17	82	84	64-115	2
Benzo(b)fluoranthene	mg/kg (ppm)	0.17	73	82	54-119	12
Benzo(k)fluoranthene	mg/kg (ppm)	0.17	83	82	61-123	1
Benzo(a)pyrene	mg/kg (ppm)	0.17	72	76	54-111	5
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.17	73	77	46-126	5
Dibenz(a,h)anthracene	mg/kg (ppm)	0.17	83	83	57-119	0
Benzo(g,h,i)perylene	mg/kg (ppm)	0.17	80	82	60-116	2

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/30/08

Date Received: 06/13/08

Project: 001.0205.00010, F&BI 806166

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF SOIL SAMPLES FOR
POLYCHLORINATED BIPHENYLS AS
AROCLOR 1016/1260 BY EPA METHOD 8082**

Laboratory Code: 806166-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	RPD (Limit 20)
Aroclor 1016	mg/kg (ppm)	<0.1	<0.1	nm
Aroclor 1260	mg/kg (ppm)	<0.1	<0.1	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	% Recovery LCS	% Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Aroclor 1016	mg/kg (ppm)	0.8	96	90	73-135	6
Aroclor 1260	mg/kg (ppm)	0.8	89	82	72-149	8

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 - More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - The analyte indicated was found in the method blank. The result should be considered an estimate.

fc - The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - The sample was extracted outside of holding time. Results should be considered estimates.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j - The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr - The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - The value reported exceeded the calibration range established for the analyte. The reported concentration should be considered an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The pattern of peaks present is not indicative of diesel.

y - The pattern of peaks present is not indicative of motor oil.

806166

806166 Mike Station
Send Report To

Company SLR

Address

City, State, ZIP

Phone # 4254028800 Fax # _____

SAMPLERS (signature)	PO #
PROJECT NAME/NO.	
REMARKS	

Page # <u> </u> of <u> </u> TURNAROUND TIME ☒ Standard (2 Weeks) ☐ RUSH _____ Rush charges authorized by: _____	SAMPLE DISPOSAL ☐ Dispose after 30 days ☐ Return samples ☐ Will call with instructions
---	---

ANALYSES REQUESTED															
Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260B	SVOCs by 8270C	IIIS	PCRA 8methylb 900.8/11031	PAHs 8270sim	REBS 8082	Notes
CMW 1-5	A-E 01	6/12/08	0820	S	5	X	X	X	X	X	X	X	X	X	Silica Gel on
CMW 2a-4	A-E 02	/	1010	/	/	/	/	/	/	/	/	/	/	/	Dried for MS
CMW 3-5	A-E 03	/	1110	/	/	/	/	/	/	/	/	/	/	/	6/14/08
CMW 3-10	A-E 04	↓	1130	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	ME
CMW 7-5	A-E 05	6/13/08	0930	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	
CMW 7-7	A-E 06	/	0940	/	/	↓	↓	↓	↓	↓	↓	↓	↓	↓	
CMW 6-5	A-E 07	↓	1110	↓	↓	X	X	X	X	X	X	X	X	X	
CMW 5-5	A-E 08	↓	1250	↓	↓	X	X	X	X	X	X	X	X	X	
															Samples received at 13 °C

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: <i>[Signature]</i>	Kim Saganaka	SLR	6/13/08	1:50
Received by: <i>[Signature]</i>	Eric Saganaka	FEB	6/13/08	1
Relinquished by:				
Received by:				

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

July 1, 2008

Mike Staton, Project Manager
SLR International Corp.
22122 20th Ave. SE., H-150
Bothell, WA 98021

Dear Mr. Staton:

Included are the results from the testing of material submitted on June 16, 2008 from the 001.0205.00011, F&BI 806169 project. There are 27 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
SLR0701R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on June 16, 2008 by Friedman & Bruya, Inc. from the SLR International Corp. 001.0205.00011, F&BI 806169 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID
806169-01

SLR International Corp.
CMW4-5

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/01/08

Date Received: 06/16/08

Project: 001.0205.00011, F&BI 806169

Date Extracted: 06/16/08

Date Analyzed: 06/16/08

**RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
USING METHOD NWTPH-Gx**

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

<u>Sample ID</u>	<u>Gasoline Range</u>	Surrogate
Laboratory ID		(% Recovery)
		(Limit 50-150)
CMW4-5	<2	95
806169-01		
Method Blank	<2	106

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/01/08

Date Received: 06/16/08

Project: 001.0205.00011, F&BI 806169

Date Extracted: 06/18/08

Date Analyzed: 06/21/08

**RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS
DIESEL AND MOTOR OIL
USING METHOD NWTPH-Dx
Sample Extracts Passed Through a
Silica Gel Column Prior to Analysis
Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)**

<u>Sample ID</u> Laboratory ID	<u>Diesel Range</u> (C ₁₀ -C ₂₅)	<u>Motor Oil Range</u> (C ₂₅ -C ₃₆)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 67-127)
CMW4-5 806169-01	<50	<250	101
Method Blank	<50	<250	102

FRIEDMAN & BRUYA, INC.
ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	CMW4-5	Client:	SLR International Corp.
Date Received:	06/16/08	Project:	001.0205.00011, F&BI 806169
Date Extracted:	06/18/08	Lab ID:	806169-01
Date Analyzed:	06/19/08	Data File:	806169-01.026
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	111	60	125
Indium	111	60	125
Holmium	108	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	16.0
Arsenic	158
Selenium	<1
Silver	<1
Cadmium	1.11
Barium	81.8
Lead	151
Copper	109

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	SLR International Corp.
Date Received:	NA	Project:	001.0205.00011, F&BI 806169
Date Extracted:	06/18/08	Lab ID:	I8-231 mb
Date Analyzed:	06/19/08	Data File:	I8-231 mb.008
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	91	60	125
Indium	100	60	125
Holmium	103	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	<1
Arsenic	<1
Selenium	<1
Silver	<1
Cadmium	<1
Barium	<1
Lead	<1
Copper	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/01/08
Date Received: 06/16/08
Project: 001.0205.00011, F&BI 806169
Date Extracted: 06/18/08
Date Analyzed: 06/19/08

**RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES
FOR TOTAL MERCURY
USING EPA METHOD 1631E**

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

<u>Sample ID</u> Laboratory ID	<u>Total Mercury</u>
CMW4-5 806169-01	0.25
Method Blank	<0.2

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: CMW4-5
 Date Received: 06/16/08
 Date Extracted: 06/18/08
 Date Analyzed: 06/19/08
 Matrix: Soil
 Units: mg/kg (ppm)

Client: SLR International Corp.
 Project: 001.0205.00011, F&BI 806169
 Lab ID: 806169-01
 Data File: 061910.D
 Instrument: GCMS4
 Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	77	43	128
1,2-Dichloroethane-d4	76	44	125
Toluene-d8	69	42	130
4-Bromofluorobenzene	73	27	154

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.05	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Methylene chloride	<0.5	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
1,1-Dichloroethane	<0.05	Bromoform	<0.05
2,2-Dichloropropane	<0.05	n-Propylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	Bromobenzene	<0.05
Chloroform	<0.05	1,3,5-Trimethylbenzene	<0.05
2-Butanone (MEK)	<0.5	1,1,2,2-Tetrachloroethane	<0.05
1,2-Dichloroethane (EDC)	<0.05	1,2,3-Trichloropropane	<0.05
1,1,1-Trichloroethane	<0.05	2-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	4-Chlorotoluene	<0.05
Carbon Tetrachloride	<0.05	tert-Butylbenzene	<0.05
Benzene	<0.03	1,2,4-Trimethylbenzene	<0.05
Trichloroethene	<0.03	sec-Butylbenzene	<0.05
1,2-Dichloropropane	<0.05	p-Isopropyltoluene	<0.05
Bromodichloromethane	<0.05	1,3-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,4-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dichlorobenzene	<0.05
cis-1,3-Dichloropropene	<0.05	1,2-Dibromo-3-chloropropane	<0.05
Toluene	<0.05	1,2,4-Trichlorobenzene	<0.1
trans-1,3-Dichloropropene	<0.05	Hexachlorobutadiene	<0.1
1,1,2-Trichloroethane	<0.05	Naphthalene	<0.05
2-Hexanone	<0.5	1,2,3-Trichlorobenzene	<0.1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: Method Blank
Date Received: NA
Date Extracted: 06/18/08
Date Analyzed: 06/18/08
Matrix: Soil
Units: mg/kg (ppm)

Client: SLR International Corp.
Project: 001.0205.00011, F&BI 806169
Lab ID: 080938 mb
Data File: 061805.D
Instrument: GCMS4
Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	69	43	128
1,2-Dichloroethane-d4	70	44	125
Toluene-d8	70	42	130
4-Bromofluorobenzene	73	27	154

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.05	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Methylene chloride	<0.5	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
1,1-Dichloroethane	<0.05	Bromoform	<0.05
2,2-Dichloropropane	<0.05	n-Propylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	Bromobenzene	<0.05
Chloroform	<0.05	1,3,5-Trimethylbenzene	<0.05
2-Butanone (MEK)	<0.5	1,1,2,2-Tetrachloroethane	<0.05
1,2-Dichloroethane (EDC)	<0.05	1,2,3-Trichloropropane	<0.05
1,1,1-Trichloroethane	<0.05	2-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	4-Chlorotoluene	<0.05
Carbon Tetrachloride	<0.05	tert-Butylbenzene	<0.05
Benzene	<0.03	1,2,4-Trimethylbenzene	<0.05
Trichloroethene	<0.03	sec-Butylbenzene	<0.05
1,2-Dichloropropane	<0.05	p-Isopropyltoluene	<0.05
Bromodichloromethane	<0.05	1,3-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,4-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dichlorobenzene	<0.05
cis-1,3-Dichloropropene	<0.05	1,2-Dibromo-3-chloropropane	<0.05
Toluene	<0.05	1,2,4-Trichlorobenzene	<0.1
trans-1,3-Dichloropropene	<0.05	Hexachlorobutadiene	<0.1
1,1,2-Trichloroethane	<0.05	Naphthalene	<0.05
2-Hexanone	<0.5	1,2,3-Trichlorobenzene	<0.1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C

Client Sample ID: CMW4-5	Client: SLR International Corp.
Date Received: 06/16/08	Project: 001.0205.00011, F&BI 806169
Date Extracted: 06/18/08	Lab ID: 806169-01
Date Analyzed: 06/26/08	Data File: 062616.D
Matrix: Soil	Instrument: GCMS3
Units: mg/kg (ppm)	Operator: YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	61	30	118
Phenol-d6	80	30	118
Nitrobenzene-d5	77	10	180
2-Fluorobiphenyl	79	40	130
2,4,6-Tribromophenol	66	16	116
Terphenyl-d14	76	30	144

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Phenol	<0.3	3-Nitroaniline	<0.9
Bis(2-chloroethyl) ether	<0.03	Acenaphthene	<0.03
2-Chlorophenol	<0.3	2,4-Dinitrophenol	<0.9
1,3-Dichlorobenzene	<0.03	Dibenzofuran	<0.03
1,4-Dichlorobenzene	<0.03	2,4-Dinitrotoluene	<0.03
1,2-Dichlorobenzene	<0.03	4-Nitrophenol	<0.3
Benzyl alcohol	<0.03	Diethyl phthalate	<0.03
Bis(2-chloroisopropyl) ether	<0.03	Fluorene	<0.03
2-Methylphenol	<0.3	4-Chlorophenyl phenyl ether	<0.03
Hexachloroethane	<0.03	N-Nitrosodiphenylamine	<0.03
N-Nitroso-di-n-propylamine	<0.03	4-Nitroaniline	<0.9
4-Methylphenol	<0.3	4,6-Dinitro-2-methylphenol	<0.9
Nitrobenzene	<0.03	4-Bromophenyl phenyl ether	<0.03
Isophorone	<0.03	Hexachlorobenzene	<0.03
2-Nitrophenol	<0.3	Pentachlorophenol	<0.3
2,4-Dimethylphenol	<0.3	Phenanthrene	0.29
Benzoic acid	<3	Anthracene	0.10
Bis(2-chloroethoxy)methane	<0.03	Carbazole	<0.03
2,4-Dichlorophenol	<0.3	Di-n-butyl phthalate	0.54
1,2,4-Trichlorobenzene	<0.03	Fluoranthene	0.46
Naphthalene	<0.03	Pyrene	0.42
Hexachlorobutadiene	<0.03	Benzyl butyl phthalate	15 ve
4-Chloroaniline	<3	Benz(a)anthracene	0.22
4-Chloro-3-methylphenol	<0.3	Chrysene	0.37
2-Methylnaphthalene	<0.03	Bis(2-ethylhexyl) phthalate	1.0
Hexachlorocyclopentadiene	<0.09	Di-n-octyl phthalate	0.034
2,4,6-Trichlorophenol	<0.3	Benzo(a)pyrene	0.29
2,4,5-Trichlorophenol	<0.3	Benzo(b)fluoranthene	0.32
2-Chloronaphthalene	<0.03	Benzo(k)fluoranthene	0.12
2-Nitroaniline	<0.03	Indeno(1,2,3-cd)pyrene	0.34
Dimethyl phthalate	<0.03	Dibenz(a,h)anthracene	0.084
Acenaphthylene	0.033	Benzo(g,h,i)perylene	0.34
2,6-Dinitrotoluene	<0.03		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C

Client Sample ID: CMW4-5
Date Received: 06/16/08
Date Extracted: 06/18/06
Date Analyzed: 06/30/08
Matrix: Soil
Units: mg/kg (ppm)

Client: SLR International Corp.
Project: 001.0205.00011, F&BI 806169
Lab ID: 806169-01 1/50
Data File: 063006.D
Instrument: GCMS3
Operator: YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	57	27	76
Phenol-d6	80	13	58
Nitrobenzene-d5	75	55	115
2-Fluorobiphenyl	80	51	113
2,4,6-Tribromophenol	45	28	107
Terphenyl-d14	77	45	119

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Phenol	<15	3-Nitroaniline	<45
Bis(2-chloroethyl) ether	<1.5	Acenaphthene	<1.5
2-Chlorophenol	<15	2,4-Dinitrophenol	<45
1,3-Dichlorobenzene	<1.5	Dibenzofuran	<1.5
1,4-Dichlorobenzene	<1.5	2,4-Dinitrotoluene	<1.5
1,2-Dichlorobenzene	<1.5	4-Nitrophenol	<15
Benzyl alcohol	<1.5	Diethyl phthalate	<1.5
Bis(2-chloroisopropyl) ether	<1.5	Fluorene	<1.5
2-Methylphenol	<15	4-Chlorophenyl phenyl ether	<1.5
Hexachloroethane	<1.5	N-Nitrosodiphenylamine	<1.5
N-Nitroso-di-n-propylamine	<1.5	4-Nitroaniline	<45
4-Methylphenol	<15	4,6-Dinitro-2-methylphenol	<45
Nitrobenzene	<1.5	4-Bromophenyl phenyl ether	<1.5
Isophorone	<1.5	Hexachlorobenzene	<1.5
2-Nitrophenol	<15	Pentachlorophenol	<15
2,4-Dimethylphenol	<15	Phenanthrene	<1.5
Benzoic acid	<150	Anthracene	<1.5
Bis(2-chloroethoxy)methane	<1.5	Carbazole	<1.5
2,4-Dichlorophenol	<15	Di-n-butyl phthalate	<1.5
1,2,4-Trichlorobenzene	<1.5	Fluoranthene	<1.5
Naphthalene	<1.5	Pyrene	<1.5
Hexachlorobutadiene	<1.5	Benzyl butyl phthalate	20
4-Chloroaniline	<150	Benz(a)anthracene	<1.5
4-Chloro-3-methylphenol	<15	Chrysene	<1.5
2-Methylnaphthalene	<1.5	Bis(2-ethylhexyl) phthalate	<15
Hexachlorocyclopentadiene	<4.5	Di-n-octyl phthalate	<1.5
2,4,6-Trichlorophenol	<15	Benzo(a)pyrene	<1.5
2,4,5-Trichlorophenol	<15	Benzo(b)fluoranthene	<1.5
2-Chloronaphthalene	<1.5	Benzo(k)fluoranthene	<1.5
2-Nitroaniline	<1.5	Indeno(1,2,3-cd)pyrene	<1.5
Dimethyl phthalate	<1.5	Dibenz(a,h)anthracene	<1.5
Acenaphthylene	<1.5	Benzo(g,h,i)perylene	<1.5
2,6-Dinitrotoluene	<1.5		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C

Client Sample ID: Method Blank	Client: SLR International Corp.
Date Received: NA	Project: 001.0205.00011, F&BI 806169
Date Extracted: 06/18/08	Lab ID: 080963mb
Date Analyzed: 06/19/08	Data File: 061904.D
Matrix: Soil	Instrument: GCMS3
Units: mg/kg (ppm)	Operator: YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	95	30	118
Phenol-d6	101	30	118
Nitrobenzene-d5	109	10	180
2-Fluorobiphenyl	111	40	130
2,4,6-Tribromophenol	119	16	116
Terphenyl-d14	104	30	144

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Phenol	<0.3	3-Nitroaniline	<0.9
Bis(2-chloroethyl) ether	<0.03	Acenaphthene	<0.03
2-Chlorophenol	<0.3	2,4-Dinitrophenol	<0.9
1,3-Dichlorobenzene	<0.03	Dibenzofuran	<0.03
1,4-Dichlorobenzene	<0.03	2,4-Dinitrotoluene	<0.03
1,2-Dichlorobenzene	<0.03	4-Nitrophenol	<0.3
Benzyl alcohol	<0.03	Diethyl phthalate	<0.03
Bis(2-chloroisopropyl) ether	<0.03	Fluorene	<0.03
2-Methylphenol	<0.3	4-Chlorophenyl phenyl ether	<0.03
Hexachloroethane	<0.03	N-Nitrosodiphenylamine	<0.03
N-Nitroso-di-n-propylamine	<0.03	4-Nitroaniline	<0.9
4-Methylphenol	<0.3	4,6-Dinitro-2-methylphenol	<0.9
Nitrobenzene	<0.03	4-Bromophenyl phenyl ether	<0.03
Isophorone	<0.03	Hexachlorobenzene	<0.03
2-Nitrophenol	<0.3	Pentachlorophenol	<0.3
2,4-Dimethylphenol	<0.3	Phenanthrene	<0.03
Benzoic acid	<3	Anthracene	<0.03
Bis(2-chloroethoxy)methane	<0.03	Carbazole	<0.03
2,4-Dichlorophenol	<0.3	Di-n-butyl phthalate	<0.03
1,2,4-Trichlorobenzene	<0.03	Fluoranthene	<0.03
Naphthalene	<0.03	Pyrene	<0.03
Hexachlorobutadiene	<0.03	Benzyl butyl phthalate	<0.03
4-Chloroaniline	<3	Benz(a)anthracene	<0.03
4-Chloro-3-methylphenol	<0.3	Chrysene	<0.03
2-Methylnaphthalene	<0.03	Bis(2-ethylhexyl) phthalate	<0.3
Hexachlorocyclopentadiene	<0.09	Di-n-octyl phthalate	<0.03
2,4,6-Trichlorophenol	<0.3	Benzo(a)pyrene	<0.03
2,4,5-Trichlorophenol	<0.3	Benzo(b)fluoranthene	<0.03
2-Chloronaphthalene	<0.03	Benzo(k)fluoranthene	<0.03
2-Nitroaniline	<0.03	Indeno(1,2,3-cd)pyrene	<0.03
Dimethyl phthalate	<0.03	Dibenz(a,h)anthracene	<0.03
Acenaphthylene	<0.03	Benzo(g,h,i)perylene	<0.03
2,6-Dinitrotoluene	<0.03		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C SIM

Client Sample ID:	CMW4-5	Client:	SLR International Corp.
Date Received:	06/16/08	Project:	001.0205.00011, F&BI 806169
Date Extracted:	06/18/08	Lab ID:	806169-01 1/5
Date Analyzed:	06/21/08	Data File:	062033.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	96	50	150
Benzo(a)anthracene-d12	82	35	159

Compounds:	Concentration mg/kg (ppm)
Naphthalene	0.013
Acenaphthylene	0.014
Acenaphthene	0.019
Fluorene	0.019
Phenanthrene	0.23
Anthracene	0.066
Fluoranthene	0.35
Pyrene	0.35
Benz(a)anthracene	0.18
Chrysene	0.34
Benzo(a)pyrene	0.24
Benzo(b)fluoranthene	0.34
Benzo(k)fluoranthene	0.11
Indeno(1,2,3-cd)pyrene	0.30
Dibenz(a,h)anthracene	0.050
Benzo(g,h,i)perylene	0.26

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C SIM

Client Sample ID:	Method Blank	Client:	SLR International Corp.
Date Received:	NA	Project:	001.0205.00011, F&BI 806169
Date Extracted:	06/17/08	Lab ID:	080962 mb2
Date Analyzed:	06/19/08	Data File:	061904.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	84	50	150
Benzo(a)anthracene-d12	81	35	159

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	<0.01
Pyrene	<0.01
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/01/08

Date Received: 06/16/08

Project: 001.0205.00011, F&BI 806169

Date Extracted: 06/17/08

Date Analyzed: 06/18/08

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR PCBs REPORTED AS AROCLORS
USING EPA METHOD 8082**

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

<u>Sample ID</u> Laboratory ID	Aroclor								Surrogate (% Rec.) (Limit 50-150)
	<u>1221</u>	<u>1232</u>	<u>1016</u>	<u>1242</u>	<u>1248</u>	<u>1254</u>	<u>1260</u>	<u>1262</u>	
CMW4-5 806169-01	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	<0.1	<0.1	95
Method Blank	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	75

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/01/08

Date Received: 06/16/08

Project: 001.0205.00011, F&BI 806169

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
USING METHOD NWTPH-Gx**

Laboratory Code: 806170-04 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Gasoline	mg/kg (ppm)	<2	<2	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	mg/kg (ppm)	20	124	70-130

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/01/08

Date Received: 06/16/08

Project: 001.0205.00011, F&BI 806169

**QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS
DIESEL EXTENDED USING METHOD NWTPH-Dx**

Laboratory Code: 806190-01 (Matrix Spike) Silica Gel

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	133	136	50-150	2

Laboratory Code: Laboratory Control Sample Silica Gel

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	125	70-130

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL METALS USING EPA METHOD 200.8**

Laboratory Code: 806166-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	mg/kg (ppm)	11.3	11.2	1	0-20
Arsenic	mg/kg (ppm)	2.17	2.26	4	0-20
Selenium	mg/kg (ppm)	<1	<1	nm	0-20
Silver	mg/kg (ppm)	<1	<1	nm	0-20
Cadmium	mg/kg (ppm)	<1	<1	nm	0-20
Barium	mg/kg (ppm)	31.7	32.0	1	0-20
Lead	mg/kg (ppm)	2.42	2.11	14	0-20
Copper	mg/kg (ppm)	9.18	9.28	1	0-20

Laboratory Code: 806166-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Chromium	mg/kg (ppm)	50	11.3	93 b	50-150
Arsenic	mg/kg (ppm)	10	2.17	94 b	50-150
Selenium	mg/kg (ppm)	5	<1	92	50-150
Silver	mg/kg (ppm)	10	<1	99	50-150
Cadmium	mg/kg (ppm)	10	<1	99	50-150
Barium	mg/kg (ppm)	50	31.7	103 b	50-150
Lead	mg/kg (ppm)	50	2.42	101	50-150
Copper	mg/kg (ppm)	50	9.18	89	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Chromium	mg/kg (ppm)	50	103	70-130
Arsenic	mg/kg (ppm)	10	98	70-130
Selenium	mg/kg (ppm)	5	98	70-130
Silver	mg/kg (ppm)	10	101	70-130
Cadmium	mg/kg (ppm)	10	100	70-130
Barium	mg/kg (ppm)	50	103	70-130
Lead	mg/kg (ppm)	50	106	70-130
Copper	mg/kg (ppm)	50	103	70-130

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF SOIL SAMPLES FOR
TOTAL MERCURY
USING EPA METHOD 1631E**

Laboratory Code: 806166-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Mercury	mg/kg (ppm)	0.125	<0.2	111	112	50-150	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Mercury	mg/kg (ppm)	0.125	106	70-130

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260B

Laboratory Code: 806197-03 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Dichlorodifluoromethane	mg/kg (ppm)	<0.05	<0.05	nm
Chloromethane	mg/kg (ppm)	<0.05	<0.05	nm
Vinyl chloride	mg/kg (ppm)	<0.05	<0.05	nm
Bromomethane	mg/kg (ppm)	<0.05	<0.05	nm
Chloroethane	mg/kg (ppm)	<0.05	<0.05	nm
Trichlorofluoromethane	mg/kg (ppm)	<0.05	<0.05	nm
Acetone	mg/kg (ppm)	<0.5	<0.5	nm
1,1-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
Methylene chloride	mg/kg (ppm)	<0.5	<0.5	nm
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	<0.05	<0.05	nm
trans-1,2-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
1,1-Dichloroethane	mg/kg (ppm)	<0.05	<0.05	nm
2,2-Dichloropropane	mg/kg (ppm)	<0.05	<0.05	nm
cis-1,2-Dichloroethene	mg/kg (ppm)	<0.05	<0.05	nm
Chloroform	mg/kg (ppm)	<0.05	<0.05	nm
2-Butanone (MEK)	mg/kg (ppm)	<0.5	<0.5	nm
1,2-Dichloroethane (EDC)	mg/kg (ppm)	<0.05	<0.05	nm
1,1,1-Trichloroethane	mg/kg (ppm)	<0.05	<0.05	nm
1,1-Dichloropropene	mg/kg (ppm)	<0.05	<0.05	nm
Carbon Tetrachloride	mg/kg (ppm)	<0.05	<0.05	nm
Benzene	mg/kg (ppm)	<0.03	<0.03	nm
Trichloroethene	mg/kg (ppm)	<0.03	<0.03	nm
1,2-Dichloropropane	mg/kg (ppm)	<0.05	<0.05	nm
Bromodichloromethane	mg/kg (ppm)	<0.05	<0.05	nm
Dibromomethane	mg/kg (ppm)	<0.05	<0.05	nm
4-Methyl-2-pentanone	mg/kg (ppm)	<0.5	<0.5	nm
cis-1,3-Dichloropropene	mg/kg (ppm)	<0.05	<0.05	nm
Toluene	mg/kg (ppm)	<0.05	<0.05	nm
trans-1,3-Dichloropropene	mg/kg (ppm)	<0.05	<0.05	nm
1,1,2-Trichloroethane	mg/kg (ppm)	<0.05	<0.05	nm
2-Hexanone	mg/kg (ppm)	<0.5	<0.5	nm
1,3-Dichloropropane	mg/kg (ppm)	<0.05	<0.05	nm
Tetrachloroethene	mg/kg (ppm)	<0.025	<0.025	nm
Dibromochloromethane	mg/kg (ppm)	<0.05	<0.05	nm
1,2-Dibromoethane (EDB)	mg/kg (ppm)	<0.05	<0.05	nm
Chlorobenzene	mg/kg (ppm)	<0.05	<0.05	nm
Ethylbenzene	mg/kg (ppm)	<0.05	<0.05	nm
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	<0.05	<0.05	nm
m,p-Xylene	mg/kg (ppm)	<0.1	<0.1	nm
o-Xylene	mg/kg (ppm)	<0.05	<0.05	nm
Styrene	mg/kg (ppm)	<0.05	<0.05	nm
Isopropylbenzene	mg/kg (ppm)	<0.05	<0.05	nm
Bromoform	mg/kg (ppm)	<0.05	<0.05	nm
n-Propylbenzene	mg/kg (ppm)	<0.05	<0.05	nm
Bromobenzene	mg/kg (ppm)	<0.05	<0.05	nm
1,3,5-Trimethylbenzene	mg/kg (ppm)	<0.05	<0.05	nm
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	<0.05	<0.05	nm
1,2,3-Trichloropropane	mg/kg (ppm)	<0.05	<0.05	nm
2-Chlorotoluene	mg/kg (ppm)	<0.05	<0.05	nm
4-Chlorotoluene	mg/kg (ppm)	<0.05	<0.05	nm
tert-Butylbenzene	mg/kg (ppm)	<0.05	<0.05	nm
1,2,4-Trimethylbenzene	mg/kg (ppm)	<0.05	<0.05	nm
sec-Butylbenzene	mg/kg (ppm)	<0.05	<0.05	nm
p-Isopropyltoluene	mg/kg (ppm)	0.19	0.19	0
1,3-Dichlorobenzene	mg/kg (ppm)	<0.05	<0.05	nm
1,4-Dichlorobenzene	mg/kg (ppm)	<0.05	<0.05	nm
1,2-Dichlorobenzene	mg/kg (ppm)	<0.05	<0.05	nm
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	<0.05	<0.05	nm
1,2,4-Trichlorobenzene	mg/kg (ppm)	<0.05	<0.05	nm
Hexachlorobutadiene	mg/kg (ppm)	<0.05	<0.05	nm
Naphthalene	mg/kg (ppm)	<0.05	<0.05	nm
1,2,3-Trichlorobenzene	mg/kg (ppm)	<0.05	<0.05	nm

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260B

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCS/D	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	mg/kg (ppm)	2.5	76	75	10-146	1
Chloromethane	mg/kg (ppm)	2.5	81	75	6-137	8
Vinyl chloride	mg/kg (ppm)	2.5	83	82	22-139	1
Bromomethane	mg/kg (ppm)	2.5	105	105	41-119	0
Chloroethane	mg/kg (ppm)	2.5	78	79	38-142	1
Trichlorofluoromethane	mg/kg (ppm)	2.5	103	93	28-177	10
Acetone	mg/kg (ppm)	2.5	96	101	52-161	5
1,1-Dichloroethene	mg/kg (ppm)	2.5	85	84	46-132	1
Methylene chloride	mg/kg (ppm)	2.5	82	82	46-131	0
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2.5	71	77	69-124	8
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	93	92	67-120	1
1,1-Dichloroethane	mg/kg (ppm)	2.5	94	94	77-117	0
2,2-Dichloropropane	mg/kg (ppm)	2.5	101	99	53-139	2
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	103	102	75-122	1
Chloroform	mg/kg (ppm)	2.5	95	94	73-118	1
2-Butanone (MEK)	mg/kg (ppm)	2.5	83	84	60-134	1
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	88	88	74-122	0
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	101	100	74-125	1
1,1-Dichloropropene	mg/kg (ppm)	2.5	98	97	73-120	1
Carbon Tetrachloride	mg/kg (ppm)	2.5	104	103	72-125	1
Benzene	mg/kg (ppm)	2.5	96	96	70-122	0
Trichloroethene	mg/kg (ppm)	2.5	97	96	76-119	1
1,2-Dichloropropane	mg/kg (ppm)	2.5	99	98	77-131	1
Bromodichloromethane	mg/kg (ppm)	2.5	104	103	75-125	1
Dibromomethane	mg/kg (ppm)	2.5	99	97	80-125	2
4-Methyl-2-pentanone	mg/kg (ppm)	2.5	89	89	61-148	0
cis-1,3-Dichloropropene	mg/kg (ppm)	2.5	106	105	75-136	1
Toluene	mg/kg (ppm)	2.5	98	98	66-126	0
trans-1,3-Dichloropropene	mg/kg (ppm)	2.5	103	103	72-132	0
1,1,2-Trichloroethane	mg/kg (ppm)	2.5	97	98	65-136	1
2-Hexanone	mg/kg (ppm)	2.5	94	94	62-152	0
1,3-Dichloropropane	mg/kg (ppm)	2.5	96	97	72-130	1
Tetrachloroethene	mg/kg (ppm)	2.5	100	100	79-127	0
Dibromochloromethane	mg/kg (ppm)	2.5	106	105	76-130	1
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2.5	98	99	74-132	1
Chlorobenzene	mg/kg (ppm)	2.5	98	97	79-115	1
Ethylbenzene	mg/kg (ppm)	2.5	99	99	64-123	0
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	2.5	104	104	69-135	0
m,p-Xylene	mg/kg (ppm)	5	103	102	66-120	1
o-Xylene	mg/kg (ppm)	2.5	103	102	66-118	1
Styrene	mg/kg (ppm)	2.5	101	101	81-112	0
Isopropylbenzene	mg/kg (ppm)	2.5	103	102	79-112	1
Bromoform	mg/kg (ppm)	2.5	81	82	76-129	1
n-Propylbenzene	mg/kg (ppm)	2.5	104	100	81-117	4
Bromobenzene	mg/kg (ppm)	2.5	104	101	72-122	3
1,3,5-Trimethylbenzene	mg/kg (ppm)	2.5	105	102	74-111	3
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	2.5	94	93	56-143	1
1,2,3-Trichloropropane	mg/kg (ppm)	2.5	90	89	61-137	1
2-Chlorotoluene	mg/kg (ppm)	2.5	101	99	83-114	2
4-Chlorotoluene	mg/kg (ppm)	2.5	100	98	82-113	2
tert-Butylbenzene	mg/kg (ppm)	2.5	106	102	78-111	4
1,2,4-Trimethylbenzene	mg/kg (ppm)	2.5	104	101	75-110	3
sec-Butylbenzene	mg/kg (ppm)	2.5	104	101	78-119	3
p-Isopropyltoluene	mg/kg (ppm)	2.5	107	103	74-114	4
1,3-Dichlorobenzene	mg/kg (ppm)	2.5	101	98	82-114	3
1,4-Dichlorobenzene	mg/kg (ppm)	2.5	98	95	79-109	3
1,2-Dichlorobenzene	mg/kg (ppm)	2.5	101	98	81-117	3
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	2.5	94	92	42-166	2
1,2,4-Trichlorobenzene	mg/kg (ppm)	2.5	107	103	70-129	4
Hexachlorobutadiene	mg/kg (ppm)	2.5	97	92	50-153	5
Naphthalene	mg/kg (ppm)	2.5	94	93	65-138	1
1,2,3-Trichlorobenzene	mg/kg (ppm)	2.5	94	93	74-125	1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR SEMIVOLATILES BY EPA METHOD 8270C

Laboratory Code: 806166-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	RPD (Limit 20)
Phenol	mg/kg (ppm)	<0.3	<0.3	nm
2-Chlorophenol	mg/kg (ppm)	<0.3	<0.3	nm
1,4-Dichlorobenzene	mg/kg (ppm)	<0.03	<0.03	nm
2-Methylphenol	mg/kg (ppm)	<0.3	<0.3	nm
N-Nitroso-di-n-propylamine	mg/kg (ppm)	<0.03	<0.03	nm
4-Methylphenol	mg/kg (ppm)	<0.3	<0.3	nm
2-Nitrophenol	mg/kg (ppm)	<0.3	<0.3	nm
2,4-Dimethylphenol	mg/kg (ppm)	<0.3	<0.3	nm
Benzoic acid	mg/kg (ppm)	<3	<3	nm
2,4-Dichlorophenol	mg/kg (ppm)	<0.3	<0.3	nm
1,2,4-Trichlorobenzene	mg/kg (ppm)	<0.03	<0.03	nm
Naphthalene	mg/kg (ppm)	<0.03	<0.03	nm
4-Chloro-3-methylphenol	mg/kg (ppm)	<0.3	<0.3	nm
Hexachlorocyclopentadiene	mg/kg (ppm)	<0.09	<0.09	nm
2,4,6-Trichlorophenol	mg/kg (ppm)	<0.3	<0.3	nm
2,4,5-Trichlorophenol	mg/kg (ppm)	<0.3	<0.3	nm
Acenaphthene	mg/kg (ppm)	<0.03	<0.03	nm
2,4-Dinitrophenol	mg/kg (ppm)	<0.9	<0.9	nm
2,4-Dinitrotoluene	mg/kg (ppm)	<0.03	<0.03	nm
4-Nitrophenol	mg/kg (ppm)	<0.3	<0.3	nm
4,6-Dinitro-2-methylphenol	mg/kg (ppm)	<0.9	<0.9	nm
Hexachlorobenzene	mg/kg (ppm)	<0.03	<0.03	nm
Pentachlorophenol	mg/kg (ppm)	<0.3	<0.3	nm
Pyrene	mg/kg (ppm)	<0.03	<0.03	nm
Benzo(a)pyrene	mg/kg (ppm)	<0.03	<0.03	nm

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ENVIRONMENTAL CHEMISTS

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QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR SEMIVOLATILES BY EPA METHOD 8270C

Laboratory Code: 806166-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Phenol	mg/kg (ppm)	2.5	<0.3	72	10-129
2-Chlorophenol	mg/kg (ppm)	2.5	<0.3	73	47-108
1,4-Dichlorobenzene	mg/kg (ppm)	1.7	<0.03	75	39-110
2-Methylphenol	mg/kg (ppm)	2.5	<0.03	77	50-150
N-Nitroso-di-n-propylamine	mg/kg (ppm)	1.7	<0.03	80	50-150
4-Methylphenol	mg/kg (ppm)	2.5	<0.03	73	50-150
2-Nitrophenol	mg/kg (ppm)	2.5	<0.3	80	50-150
2,4-Dimethylphenol	mg/kg (ppm)	2.5	<0.03	71	50-150
Benzoic acid	mg/kg (ppm)	2.5	<3	82	50-150
2,4-Dichlorophenol	mg/kg (ppm)	2.5	<0.03	80	50-150
1,2,4-Trichlorobenzene	mg/kg (ppm)	1.7	<0.03	78	44-111
Naphthalene	mg/kg (ppm)	1.7	<0.03	76	29-120
4-Chloro-3-methylphenol	mg/kg (ppm)	2.5	<0.9	81	35-115
Hexachlorocyclopentadiene	mg/kg (ppm)	1.7	<0.03	77	50-150
2,4,6-Trichlorophenol	mg/kg (ppm)	2.5	<0.03	76	50-150
2,4,5-Trichlorophenol	mg/kg (ppm)	2.5	<0.03	78	50-150
Acenaphthene	mg/kg (ppm)	1.7	<0.3	74	60-106
2,4-Dinitrophenol	mg/kg (ppm)	2.5	<0.03	76	50-150
2,4-Dinitrotoluene	mg/kg (ppm)	1.7	<0.9	80	54-124
4-Nitrophenol	mg/kg (ppm)	2.5	<0.3	81	10-134
4,6-Dinitro-2-methylphenol	mg/kg (ppm)	2.5	<0.03	88	50-150
Hexachlorobenzene	mg/kg (ppm)	1.7	<0.03	78	50-150
Pentachlorophenol	mg/kg (ppm)	2.5	<0.03	91	31-120
Pyrene	mg/kg (ppm)	1.7	<0.03	67	45-119
Benzo(a)pyrene	mg/kg (ppm)	1.7	<0.03	70	28-126

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR SEMIVOLATILES BY EPA METHOD 8270C

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Phenol	mg/kg (ppm)	2.5	66	71	49-103	7
2-Chlorophenol	mg/kg (ppm)	2.5	67	73	53-103	9
1,4-Dichlorobenzene	mg/kg (ppm)	1.7	78	82	52-104	5
2-Methylphenol	mg/kg (ppm)	2.5	71	76	59-95	7
N-Nitroso-di-n-propylamine	mg/kg (ppm)	1.7	50	56	46-114	11
4-Methylphenol	mg/kg (ppm)	2.5	64	69	43-103	8
2-Nitrophenol	mg/kg (ppm)	2.5	76	82	63-100	8
2,4-Dimethylphenol	mg/kg (ppm)	2.5	60	65	35-94	8
Benzoic acid	mg/kg (ppm)	2.5	79	72	49-132	9
2,4-Dichlorophenol	mg/kg (ppm)	2.5	74	82	63-99	10
1,2,4-Trichlorobenzene	mg/kg (ppm)	1.7	74	79	54-106	7
Naphthalene	mg/kg (ppm)	1.7	76	81	56-110	6
4-Chloro-3-methylphenol	mg/kg (ppm)	2.5	74	81	54-109	9
Hexachlorocyclopentadiene	mg/kg (ppm)	1.7	69	73	34-114	6
2,4,6-Trichlorophenol	mg/kg (ppm)	2.5	69	76	43-110	10
2,4,5-Trichlorophenol	mg/kg (ppm)	2.5	73	79	64-110	8
Acenaphthene	mg/kg (ppm)	1.7	71	78	55-105	9
2,4-Dinitrophenol	mg/kg (ppm)	2.5	70	76	52-128	8
2,4-Dinitrotoluene	mg/kg (ppm)	1.7	74	80	53-115	8
4-Nitrophenol	mg/kg (ppm)	2.5	75	82	46-122	9
4,6-Dinitro-2-methylphenol	mg/kg (ppm)	2.5	77	85	52-133	10
Hexachlorobenzene	mg/kg (ppm)	1.7	66	74	49-110	11
Pentachlorophenol	mg/kg (ppm)	2.5	71	79	33-127	11
Pyrene	mg/kg (ppm)	1.7	65	73	53-110	12
Benzo(a)pyrene	mg/kg (ppm)	1.7	67	73	56-111	9

Note: The calibration verification result for 2-fluorophenol exceeded 15% deviation. The average deviation for all compounds was not greater than 15%; therefore, the initial calibration is considered valid. This applies to sample 806169-01.

Note: The calibration verification result for 2-fluorophenol and benzo(k)fluoranthene exceeded 15% deviation. The average deviation for all compounds was not greater than 15%; therefore, the initial calibration is considered valid. This applies to sample 806169-01 1/50.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR PNA'S BY EPA METHOD 8270C SIM

Laboratory Code: 806166-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Naphthalene	mg/kg (ppm)	<0.01	<0.01	nm
2-Methylnaphthalene	mg/kg (ppm)	<0.01	<0.01	nm
1-Methylnaphthalene	mg/kg (ppm)	<0.01	<0.01	nm
Acenaphthylene	mg/kg (ppm)	<0.01	<0.01	nm
Acenaphthene	mg/kg (ppm)	<0.01	<0.01	nm
Fluorene	mg/kg (ppm)	<0.01	<0.01	nm
Phenanthrene	mg/kg (ppm)	<0.01	<0.01	nm
Anthracene	mg/kg (ppm)	<0.01	<0.01	nm
Fluoranthene	mg/kg (ppm)	<0.01	<0.01	nm
Pyrene	mg/kg (ppm)	<0.01	<0.01	nm
Benz(a)anthracene	mg/kg (ppm)	<0.01	<0.01	nm
Chrysene	mg/kg (ppm)	<0.01	<0.01	nm
Benzo(b)fluoranthene	mg/kg (ppm)	<0.01	<0.01	nm
Benzo(k)fluoranthene	mg/kg (ppm)	<0.01	<0.01	nm
Benzo(a)pyrene	mg/kg (ppm)	<0.01	<0.01	nm
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	<0.01	<0.01	nm
Dibenz(a,h)anthracene	mg/kg (ppm)	<0.01	<0.01	nm
Benzo(g,h,i)perylene	mg/kg (ppm)	<0.01	<0.01	nm

Laboratory Code: 806166-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Naphthalene	mg/kg (ppm)	0.17	<0.01	77	50-150
2-Methylnaphthalene	mg/kg (ppm)	0.17	<0.01	71	50-150
1-Methylnaphthalene	mg/kg (ppm)	0.17	<0.01	80	50-150
Acenaphthylene	mg/kg (ppm)	0.17	<0.01	75	16-167
Acenaphthene	mg/kg (ppm)	0.17	<0.01	76	58-108
Fluorene	mg/kg (ppm)	0.17	<0.01	78	57-113
Phenanthrene	mg/kg (ppm)	0.17	<0.01	75	30-138
Anthracene	mg/kg (ppm)	0.17	<0.01	70	42-132
Fluoranthene	mg/kg (ppm)	0.17	<0.01	76	45-145
Pyrene	mg/kg (ppm)	0.17	<0.01	76	44-139
Benz(a)anthracene	mg/kg (ppm)	0.17	<0.01	69	17-134
Chrysene	mg/kg (ppm)	0.17	<0.01	77	10-157
Benzo(b)fluoranthene	mg/kg (ppm)	0.17	<0.01	70	28-134
Benzo(k)fluoranthene	mg/kg (ppm)	0.17	<0.01	76	55-115
Benzo(a)pyrene	mg/kg (ppm)	0.17	<0.01	65	37-123
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.17	<0.01	66	61-104
Dibenz(a,h)anthracene	mg/kg (ppm)	0.17	<0.01	73	69-100
Benzo(g,h,i)perylene	mg/kg (ppm)	0.17	<0.01	72	60-105

FRIEDMAN & BRUYA, INC.**ENVIRONMENTAL CHEMISTS**

Date of Report: 07/01/08

Date Received: 06/16/08

Project: 001.0205.00011, F&BI 806169

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL
SAMPLES FOR PNA'S BY EPA METHOD 8270C SIM**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Naphthalene	mg/kg (ppm)	0.17	80	84	72-112	5
Acenaphthylene	mg/kg (ppm)	0.17	75	83	68-112	10
Acenaphthene	mg/kg (ppm)	0.17	78	84	70-111	7
Fluorene	mg/kg (ppm)	0.17	86	84	69-110	2
Phenanthrene	mg/kg (ppm)	0.17	78	82	68-111	5
Anthracene	mg/kg (ppm)	0.17	79	81	67-110	2
Fluoranthene	mg/kg (ppm)	0.17	81	85	68-114	5
Pyrene	mg/kg (ppm)	0.17	80	85	68-114	6
Benz(a)anthracene	mg/kg (ppm)	0.17	71	76	58-108	7
Chrysene	mg/kg (ppm)	0.17	82	84	64-115	2
Benzo(b)fluoranthene	mg/kg (ppm)	0.17	73	82	54-119	12
Benzo(k)fluoranthene	mg/kg (ppm)	0.17	83	82	61-123	1
Benzo(a)pyrene	mg/kg (ppm)	0.17	72	76	54-111	5
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.17	73	77	46-126	5
Dibenz(a,h)anthracene	mg/kg (ppm)	0.17	83	83	57-119	0
Benzo(g,h,i)perylene	mg/kg (ppm)	0.17	80	82	60-116	2

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/01/08

Date Received: 06/16/08

Project: 001.0205.00011, F&BI 806169

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF SOIL SAMPLES FOR
POLYCHLORINATED BIPHENYLS AS
AROCOR 1016/1260 BY EPA METHOD 8082**

Laboratory Code: 806166-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	RPD (Limit 20)
Aroclor 1016	mg/kg (ppm)	<0.1	<0.1	nm
Aroclor 1260	mg/kg (ppm)	<0.1	<0.1	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	% Recovery LCS	% Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Aroclor 1016	mg/kg (ppm)	0.8	96	90	73-135	6
Aroclor 1260	mg/kg (ppm)	0.8	89	82	72-149	8

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 - More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - The analyte indicated was found in the method blank. The result should be considered an estimate.

fc - The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - The sample was extracted outside of holding time. Results should be considered estimates.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j - The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr - The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - The value reported exceeded the calibration range established for the analyte. The reported concentration should be considered an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The pattern of peaks present is not indicative of diesel.

y - The pattern of peaks present is not indicative of motor oil.

Will call with instructions

[illegible]

YORKMS\COC\COC.DOC

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: <i>[Signature]</i>	K Saganst	SUR	6/16/68	11 —
Received by: <i>[Signature]</i>	Eric Young	F & B	6/16/68	11 —
Relinquished by: <i>[Signature]</i>				
Received by:		Samples received at	°C	

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

July 2, 2008

Mike Staton, Project Manager
SLR International Corp.
22122 20th Ave. SE., H-150
Bothell, WA 98021

Dear Mr. Staton:

Included are the results from the testing of material submitted on June 17, 2008 from the 001.0205.00010, F&BI 806198 project. There are 59 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
SLR0702R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on June 17, 2008 by Friedman & Bruya, Inc. from the SLR International Corp. 001.0205.00010, F&BI 806198 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>SLR International Corp.</u>
806198-01	CMW1-061708
806198-02	CMW2-061708
806198-03	CMW3-061708
806198-04	CMW4-061708
806198-05	CMW5-061708
806198-06	CMW6-061708
806198-07	CMW7-061708

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/02/08
Date Received: 06/17/08
Project: 001.0205.00010, F&BI 806198
Date Extracted: 06/18/08
Date Analyzed: 06/18/08

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
USING METHOD NWTPH-G_x
Results Reported as ug/L (ppb)**

<u>Sample ID</u> Laboratory ID	<u>Gasoline Range</u>	Surrogate (% Recovery) (Limit 51-134)
CMW1-061708 806198-01	<100	103
CMW2-061708 806198-02	<100	105
CMW3-061708 806198-03	<100	86
CMW4-061708 806198-04	<100	86
CMW5-061708 806198-05	<100	105
CMW6-061708 806198-06	<100	100
CMW7-061708 806198-07	<100	84
Method Blank	<100	85

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/02/08
Date Received: 06/17/08
Project: 001.0205.00010, F&BI 806198
Date Extracted: 06/19/08
Date Analyzed: 06/25/08

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS
DIESEL AND MOTOR OIL
USING METHOD NWTPH-Dx
Sample Extracts Passed Through a
Silica Gel Column Prior to Analysis
Results Reported as ug/L (ppb)**

<u>Sample ID</u> Laboratory ID	<u>Diesel Range</u> (C ₁₀ -C ₂₅)	<u>Motor Oil Range</u> (C ₂₅ -C ₃₆)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 51-132)
CMW1-061708 806198-01	<50	<250	108
CMW2-061708 806198-02	100	<250	117
CMW3-061708 806198-03	92	<250	121
CMW4-061708 806198-04	67	<250	109
CMW5-061708 806198-05	<50	<250	103
CMW6-061708 806198-06	<50	<250	112
CMW7-061708 806198-07	<50	<250	109
Method Blank	<50	<250	112

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	CMW1-061708	Client:	SLR International Corp.
Date Received:	06/17/08	Project:	001.0205.00010, F&BI 806198
Date Extracted:	06/25/08	Lab ID:	806198-01
Date Analyzed:	06/26/08	Data File:	806198-01.028
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	73	60	125
Indium	70	60	125
Holmium	77	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	<1
Arsenic	6.59
Selenium	24.6
Silver	<1
Cadmium	<1
Barium	14.2
Lead	<1
Copper	25.2

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	CMW2-061708	Client:	SLR International Corp.
Date Received:	06/17/08	Project:	001.0205.00010, F&BI 806198
Date Extracted:	06/25/08	Lab ID:	806198-02
Date Analyzed:	06/26/08	Data File:	806198-02.030
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	85	60	125
Indium	80	60	125
Holmium	84	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	1.85
Arsenic	41.0
Selenium	9.70
Silver	<1
Cadmium	<1
Barium	17.1
Lead	2.26
Copper	9.16

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	CMW3-061708	Client:	SLR International Corp.
Date Received:	06/17/08	Project:	001.0205.00010, F&BI 806198
Date Extracted:	06/25/08	Lab ID:	806198-03
Date Analyzed:	06/26/08	Data File:	806198-03.031
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	79	60	125
Indium	76	60	125
Holmium	81	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	1.63
Arsenic	30.5
Selenium	17.6
Silver	<1
Cadmium	<1
Barium	30.3
Lead	1.99
Copper	17.8

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	CMW4-061708	Client:	SLR International Corp.
Date Received:	06/17/08	Project:	001.0205.00010, F&BI 806198
Date Extracted:	06/25/08	Lab ID:	806198-04
Date Analyzed:	06/26/08	Data File:	806198-04.032
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	64	60	125
Indium	62	60	125
Holmium	68	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	1.03
Arsenic	177
Selenium	41.9
Silver	<1
Cadmium	<1
Barium	64.2
Lead	1.03
Copper	46.1

FRIEDMAN & BRUYA, INC.
ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	CMW5-061708	Client:	SLR International Corp.
Date Received:	06/17/08	Project:	001.0205.00010, F&BI 806198
Date Extracted:	06/25/08	Lab ID:	806198-05
Date Analyzed:	06/26/08	Data File:	806198-05.033
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	107	60	125
Indium	92	60	125
Holmium	95	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	<1
Arsenic	62.3
Selenium	3.13
Silver	<1
Cadmium	<1
Barium	20.0
Lead	<1
Copper	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	CMW6-061708	Client:	SLR International Corp.
Date Received:	06/17/08	Project:	001.0205.00010, F&BI 806198
Date Extracted:	06/25/08	Lab ID:	806198-06 x2
Date Analyzed:	07/02/08	Data File:	806198-06 x2.009
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	74	60	125
Indium	74	60	125
Holmium	75	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	3.56
Arsenic	21.4
Selenium	58.0
Silver	<2
Cadmium	<2
Barium	56.6
Lead	<2
Copper	26.8

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	CMW7-061708	Client:	SLR International Corp.
Date Received:	06/17/08	Project:	001.0205.00010, F&BI 806198
Date Extracted:	06/25/08	Lab ID:	806198-07
Date Analyzed:	06/26/08	Data File:	806198-07.035
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	85	60	125
Indium	80	60	125
Holmium	87	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	<1
Arsenic	6.22
Selenium	8.20
Silver	<1
Cadmium	<1
Barium	14.4
Lead	<1
Copper	6.15

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	SLR International Corp.
Date Received:	NA	Project:	001.0205.00010, F&BI 806198
Date Extracted:	06/25/08	Lab ID:	I8-248 mb
Date Analyzed:	06/26/08	Data File:	I8-248 mb.027
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	105	60	125
Indium	100	60	125
Holmium	106	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	<1
Arsenic	<1
Selenium	<1
Silver	<1
Cadmium	<1
Barium	<1
Lead	<1
Copper	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	CMW1-061708	Client:	SLR International Corp.
Date Received:	06/17/08	Project:	001.0205.00010, F&BI 806198
Date Extracted:	06/25/08	Lab ID:	806198-01
Date Analyzed:	06/26/08	Data File:	806198-01.020
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	79	60	125
Indium	79	60	125
Holmium	83	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	<1
Arsenic	5.61
Selenium	20.6
Silver	<1
Cadmium	<1
Barium	14.1
Lead	<1
Copper	23.8

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	CMW2-061708	Client:	SLR International Corp.
Date Received:	06/17/08	Project:	001.0205.00010, F&BI 806198
Date Extracted:	06/25/08	Lab ID:	806198-02
Date Analyzed:	06/26/08	Data File:	806198-02.021
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	87	60	125
Indium	88	60	125
Holmium	91	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	1.35
Arsenic	40.6
Selenium	9.34
Silver	<1
Cadmium	<1
Barium	15.5
Lead	<1
Copper	9.11

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	CMW3-061708	Client:	SLR International Corp.
Date Received:	06/17/08	Project:	001.0205.00010, F&BI 806198
Date Extracted:	06/25/08	Lab ID:	806198-03
Date Analyzed:	06/26/08	Data File:	806198-03.022
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	82	60	125
Indium	82	60	125
Holmium	86	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	<1
Arsenic	28.2
Selenium	17.2
Silver	<1
Cadmium	<1
Barium	27.0
Lead	<1
Copper	18.0

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	CMW4-061708	Client:	SLR International Corp.
Date Received:	06/17/08	Project:	001.0205.00010, F&BI 806198
Date Extracted:	06/25/08	Lab ID:	806198-04
Date Analyzed:	06/26/08	Data File:	806198-04.023
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	64	60	125
Indium	64	60	125
Holmium	69	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	<1
Arsenic	171
Selenium	39.6
Silver	<1
Cadmium	<1
Barium	62.0
Lead	<1
Copper	45.5

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	CMW5-061708	Client:	SLR International Corp.
Date Received:	06/17/08	Project:	001.0205.00010, F&BI 806198
Date Extracted:	06/25/08	Lab ID:	806198-05
Date Analyzed:	06/26/08	Data File:	806198-05.024
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	101	60	125
Indium	102	60	125
Holmium	106	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	<1
Arsenic	8.18
Selenium	2.88
Silver	<1
Cadmium	<1
Barium	9.19
Lead	<1
Copper	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	CMW6-061708	Client:	SLR International Corp.
Date Received:	06/17/08	Project:	001.0205.00010, F&BI 806198
Date Extracted:	06/25/08	Lab ID:	806198-06 x2
Date Analyzed:	07/02/08	Data File:	806198-06 x2.008
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	79	60	125
Indium	82	60	125
Holmium	83	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	4.32
Arsenic	16.3
Selenium	49.0
Silver	<2
Cadmium	<2
Barium	47.8
Lead	<2
Copper	20.1

FRIEDMAN & BRUYA, INC.
ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	CMW7-061708	Client:	SLR International Corp.
Date Received:	06/17/08	Project:	001.0205.00010, F&BI 806198
Date Extracted:	06/25/08	Lab ID:	806198-07
Date Analyzed:	06/26/08	Data File:	806198-07.026
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	94	60	125
Indium	89	60	125
Holmium	96	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	<1
Arsenic	5.43
Selenium	8.14
Silver	<1
Cadmium	<1
Barium	19.6
Lead	<1
Copper	6.33

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	SLR International Corp.
Date Received:	NA	Project:	001.0205.00010, F&BI 806198
Date Extracted:	06/25/08	Lab ID:	I8-248 mb
Date Analyzed:	06/26/08	Data File:	I8-248 mb.027
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	105	60	125
Indium	100	60	125
Holmium	106	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	<1
Arsenic	<1
Selenium	<1
Silver	<1
Cadmium	<1
Barium	<1
Lead	<1
Copper	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/02/08
Date Received: 06/17/08
Project: 001.0205.00010, F&BI 806198
Date Extracted: 06/18/08
Date Analyzed: 06/18/08

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLES
FOR DISSOLVED MERCURY
USING EPA METHOD 1631E
Results Reported as ug/L (ppb)**

<u>Sample ID</u> Laboratory ID	<u>Dissolved Mercury</u>
CMW1-061708 806198-01	<0.2
CMW2-061708 806198-02	<0.2
CMW3-061708 806198-03	<0.2
CMW4-061708 806198-04	<0.2
CMW5-061708 806198-05	<0.2
CMW6-061708 806198-06	<0.2
CMW7-061708 806198-07	<0.2
Method Blank	<0.2

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/02/08
Date Received: 06/17/08
Project: 001.0205.00010, F&BI 806198
Date Extracted: 06/18/08
Date Analyzed: 06/19/08

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLES
FOR TOTAL MERCURY
USING EPA METHOD 1631E
Results Reported as ug/L (ppb)**

<u>Sample ID</u> Laboratory ID	<u>Total Mercury</u>
CMW1-061708 806198-01	<0.2
CMW2-061708 806198-02	<0.2
CMW3-061708 806198-03	<0.2
CMW4-061708 806198-04	<0.2
CMW5-061708 806198-05	<0.2
CMW6-061708 806198-06	<0.2
CMW7-061708 806198-07	<0.2
Method Blank	<0.2

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	CMW1-061708	Client:	SLR International Corp.
Date Received:	06/17/08	Project:	001.0205.00010, F&BI 806198
Date Extracted:	06/18/08	Lab ID:	806198-01
Date Analyzed:	06/19/08	Data File:	061824.D
Matrix:	Water	Instrument:	GCMS5
Units:	ug/L (ppb)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	96	69	124
1,2-Dichloroethane-d4	102	67	131
Toluene-d8	100	73	132
4-Bromofluorobenzene	103	81	146

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<1	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Methylene chloride	<5	o-Xylene	<1
Methyl t-butyl ether (MTBE)	<1	Styrene	<1
trans-1,2-Dichloroethene	<1	Isopropylbenzene	<1
1,1-Dichloroethane	<1	Bromoform	<1
2,2-Dichloropropane	<1	n-Propylbenzene	<1
cis-1,2-Dichloroethene	<1	Bromobenzene	<1
Chloroform	<1	1,3,5-Trimethylbenzene	<1
2-Butanone (MEK)	<10	1,1,2,2-Tetrachloroethane	<1
1,2-Dichloroethane (EDC)	<1	1,2,3-Trichloropropane	<1
1,1,1-Trichloroethane	<1	2-Chlorotoluene	<1
1,1-Dichloropropene	<1	4-Chlorotoluene	<1
Carbon Tetrachloride	<1	tert-Butylbenzene	<1
Benzene	<1	1,2,4-Trimethylbenzene	<1
Trichloroethene	<1	sec-Butylbenzene	<1
1,2-Dichloropropane	<1	p-Isopropyltoluene	<1
Bromodichloromethane	<1	1,3-Dichlorobenzene	<1
Dibromomethane	<1	1,4-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dichlorobenzene	<1
cis-1,3-Dichloropropene	<1	1,2-Dibromo-3-chloropropane	<1
Toluene	<1	1,2,4-Trichlorobenzene	<1
trans-1,3-Dichloropropene	<1	Hexachlorobutadiene	<1
1,1,2-Trichloroethane	<1	Naphthalene	<1
2-Hexanone	<10	1,2,3-Trichlorobenzene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: CMW2-061708	Client: SLR International Corp.
Date Received: 06/17/08	Project: 001.0205.00010, F&BI 806198
Date Extracted: 06/18/08	Lab ID: 806198-02
Date Analyzed: 06/19/08	Data File: 061825.D
Matrix: Water	Instrument: GCMS5
Units: ug/L (ppb)	Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	91	69	124
1,2-Dichloroethane-d4	95	67	131
Toluene-d8	94	73	132
4-Bromofluorobenzene	97	81	146

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	2.0	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Methylene chloride	<5	o-Xylene	<1
Methyl t-butyl ether (MTBE)	<1	Styrene	<1
trans-1,2-Dichloroethene	<1	Isopropylbenzene	<1
1,1-Dichloroethane	<1	Bromoform	<1
2,2-Dichloropropane	<1	n-Propylbenzene	<1
cis-1,2-Dichloroethene	<1	Bromobenzene	<1
Chloroform	<1	1,3,5-Trimethylbenzene	<1
2-Butanone (MEK)	<10	1,1,2,2-Tetrachloroethane	<1
1,2-Dichloroethane (EDC)	<1	1,2,3-Trichloropropane	<1
1,1,1-Trichloroethane	<1	2-Chlorotoluene	<1
1,1-Dichloropropene	<1	4-Chlorotoluene	<1
Carbon Tetrachloride	<1	tert-Butylbenzene	<1
Benzene	<1	1,2,4-Trimethylbenzene	<1
Trichloroethene	<1	sec-Butylbenzene	<1
1,2-Dichloropropane	<1	p-Isopropyltoluene	<1
Bromodichloromethane	<1	1,3-Dichlorobenzene	<1
Dibromomethane	<1	1,4-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dichlorobenzene	<1
cis-1,3-Dichloropropene	<1	1,2-Dibromo-3-chloropropane	<1
Toluene	<1	1,2,4-Trichlorobenzene	<1
trans-1,3-Dichloropropene	<1	Hexachlorobutadiene	<1
1,1,2-Trichloroethane	<1	Naphthalene	11
2-Hexanone	<10	1,2,3-Trichlorobenzene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: CMW3-061708	Client: SLR International Corp.
Date Received: 06/17/08	Project: 001.0205.00010, F&BI 806198
Date Extracted: 06/18/08	Lab ID: 806198-03
Date Analyzed: 06/19/08	Data File: 061826.D
Matrix: Water	Instrument: GCMS5
Units: ug/L (ppb)	Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	90	69	124
1,2-Dichloroethane-d4	95	67	131
Toluene-d8	94	73	132
4-Bromofluorobenzene	96	81	146

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<1	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Methylene chloride	<5	o-Xylene	<1
Methyl t-butyl ether (MTBE)	<1	Styrene	<1
trans-1,2-Dichloroethene	<1	Isopropylbenzene	<1
1,1-Dichloroethane	<1	Bromoform	<1
2,2-Dichloropropane	<1	n-Propylbenzene	<1
cis-1,2-Dichloroethene	<1	Bromobenzene	<1
Chloroform	<1	1,3,5-Trimethylbenzene	<1
2-Butanone (MEK)	<10	1,1,2,2-Tetrachloroethane	<1
1,2-Dichloroethane (EDC)	<1	1,2,3-Trichloropropane	<1
1,1,1-Trichloroethane	<1	2-Chlorotoluene	<1
1,1-Dichloropropene	<1	4-Chlorotoluene	<1
Carbon Tetrachloride	<1	tert-Butylbenzene	<1
Benzene	<1	1,2,4-Trimethylbenzene	<1
Trichloroethene	<1	sec-Butylbenzene	<1
1,2-Dichloropropane	<1	p-Isopropyltoluene	<1
Bromodichloromethane	<1	1,3-Dichlorobenzene	<1
Dibromomethane	<1	1,4-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dichlorobenzene	<1
cis-1,3-Dichloropropene	<1	1,2-Dibromo-3-chloropropane	<1
Toluene	<1	1,2,4-Trichlorobenzene	<1
trans-1,3-Dichloropropene	<1	Hexachlorobutadiene	<1
1,1,2-Trichloroethane	<1	Naphthalene	3.5
2-Hexanone	<10	1,2,3-Trichlorobenzene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: CMW4-061708
 Date Received: 06/17/08
 Date Extracted: 06/18/08
 Date Analyzed: 06/19/08
 Matrix: Water
 Units: ug/L (ppb)

Client: SLR International Corp.
 Project: 001.0205.00010, F&BI 806198
 Lab ID: 806198-04
 Data File: 061827.D
 Instrument: GCMS5
 Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	91	69	124
1,2-Dichloroethane-d4	96	67	131
Toluene-d8	95	73	132
4-Bromofluorobenzene	96	81	146

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<1	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Methylene chloride	<5	o-Xylene	<1
Methyl t-butyl ether (MTBE)	<1	Styrene	<1
trans-1,2-Dichloroethene	<1	Isopropylbenzene	<1
1,1-Dichloroethane	<1	Bromoform	<1
2,2-Dichloropropane	<1	n-Propylbenzene	<1
cis-1,2-Dichloroethene	<1	Bromobenzene	<1
Chloroform	<1	1,3,5-Trimethylbenzene	<1
2-Butanone (MEK)	<10	1,1,2,2-Tetrachloroethane	<1
1,2-Dichloroethane (EDC)	<1	1,2,3-Trichloropropane	<1
1,1,1-Trichloroethane	<1	2-Chlorotoluene	<1
1,1-Dichloropropene	<1	4-Chlorotoluene	<1
Carbon Tetrachloride	<1	tert-Butylbenzene	<1
Benzene	<1	1,2,4-Trimethylbenzene	<1
Trichloroethene	<1	sec-Butylbenzene	<1
1,2-Dichloropropane	<1	p-Isopropyltoluene	<1
Bromodichloromethane	<1	1,3-Dichlorobenzene	<1
Dibromomethane	<1	1,4-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dichlorobenzene	<1
cis-1,3-Dichloropropene	<1	1,2-Dibromo-3-chloropropane	<1
Toluene	<1	1,2,4-Trichlorobenzene	<1
trans-1,3-Dichloropropene	<1	Hexachlorobutadiene	<1
1,1,2-Trichloroethane	<1	Naphthalene	3.3
2-Hexanone	<10	1,2,3-Trichlorobenzene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: CMW5-061708	Client: SLR International Corp.
Date Received: 06/17/08	Project: 001.0205.00010, F&BI 806198
Date Extracted: 06/18/08	Lab ID: 806198-05
Date Analyzed: 06/19/08	Data File: 061828.D
Matrix: Water	Instrument: GCMS5
Units: ug/L (ppb)	Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	92	69	124
1,2-Dichloroethane-d4	98	67	131
Toluene-d8	95	73	132
4-Bromofluorobenzene	96	81	146

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<1	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Methylene chloride	<5	o-Xylene	<1
Methyl t-butyl ether (MTBE)	<1	Styrene	<1
trans-1,2-Dichloroethene	<1	Isopropylbenzene	<1
1,1-Dichloroethane	<1	Bromoform	<1
2,2-Dichloropropane	<1	n-Propylbenzene	<1
cis-1,2-Dichloroethene	<1	Bromobenzene	<1
Chloroform	<1	1,3,5-Trimethylbenzene	<1
2-Butanone (MEK)	<10	1,1,2,2-Tetrachloroethane	<1
1,2-Dichloroethane (EDC)	<1	1,2,3-Trichloropropane	<1
1,1,1-Trichloroethane	<1	2-Chlorotoluene	<1
1,1-Dichloropropene	<1	4-Chlorotoluene	<1
Carbon Tetrachloride	<1	tert-Butylbenzene	<1
Benzene	<1	1,2,4-Trimethylbenzene	<1
Trichloroethene	<1	sec-Butylbenzene	<1
1,2-Dichloropropane	<1	p-Isopropyltoluene	<1
Bromodichloromethane	<1	1,3-Dichlorobenzene	<1
Dibromomethane	<1	1,4-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dichlorobenzene	<1
cis-1,3-Dichloropropene	<1	1,2-Dibromo-3-chloropropane	<1
Toluene	<1	1,2,4-Trichlorobenzene	<1
trans-1,3-Dichloropropene	<1	Hexachlorobutadiene	<1
1,1,2-Trichloroethane	<1	Naphthalene	<1
2-Hexanone	<10	1,2,3-Trichlorobenzene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: CMW6-061708
 Date Received: 06/17/08
 Date Extracted: 06/18/08
 Date Analyzed: 06/19/08
 Matrix: Water
 Units: ug/L (ppb)

Client: SLR International Corp.
 Project: 001.0205.00010, F&BI 806198
 Lab ID: 806198-06
 Data File: 061829.D
 Instrument: GCMS5
 Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	90	69	124
1,2-Dichloroethane-d4	95	67	131
Toluene-d8	94	73	132
4-Bromofluorobenzene	96	81	146

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<1	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Methylene chloride	<5	o-Xylene	<1
Methyl t-butyl ether (MTBE)	<1	Styrene	<1
trans-1,2-Dichloroethene	<1	Isopropylbenzene	<1
1,1-Dichloroethane	<1	Bromoform	<1
2,2-Dichloropropane	<1	n-Propylbenzene	<1
cis-1,2-Dichloroethene	<1	Bromobenzene	<1
Chloroform	<1	1,3,5-Trimethylbenzene	<1
2-Butanone (MEK)	<10	1,1,2,2-Tetrachloroethane	<1
1,2-Dichloroethane (EDC)	<1	1,2,3-Trichloropropane	<1
1,1,1-Trichloroethane	<1	2-Chlorotoluene	<1
1,1-Dichloropropene	<1	4-Chlorotoluene	<1
Carbon Tetrachloride	<1	tert-Butylbenzene	<1
Benzene	<1	1,2,4-Trimethylbenzene	<1
Trichloroethene	<1	sec-Butylbenzene	<1
1,2-Dichloropropane	<1	p-Isopropyltoluene	<1
Bromodichloromethane	<1	1,3-Dichlorobenzene	<1
Dibromomethane	<1	1,4-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dichlorobenzene	<1
cis-1,3-Dichloropropene	<1	1,2-Dibromo-3-chloropropane	<1
Toluene	<1	1,2,4-Trichlorobenzene	<1
trans-1,3-Dichloropropene	<1	Hexachlorobutadiene	<1
1,1,2-Trichloroethane	<1	Naphthalene	<1
2-Hexanone	<10	1,2,3-Trichlorobenzene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	CMW7-061708	Client:	SLR International Corp.
Date Received:	06/17/08	Project:	001.0205.00010, F&BI 806198
Date Extracted:	06/18/08	Lab ID:	806198-07
Date Analyzed:	06/19/08	Data File:	061830.D
Matrix:	Water	Instrument:	GCMS5
Units:	ug/L (ppb)	Operator:	MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	90	69	124
1,2-Dichloroethane-d4	96	67	131
Toluene-d8	95	73	132
4-Bromofluorobenzene	97	81	146

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<1	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Methylene chloride	<5	o-Xylene	<1
Methyl t-butyl ether (MTBE)	<1	Styrene	<1
trans-1,2-Dichloroethene	<1	Isopropylbenzene	<1
1,1-Dichloroethane	<1	Bromoform	<1
2,2-Dichloropropane	<1	n-Propylbenzene	<1
cis-1,2-Dichloroethene	<1	Bromobenzene	<1
Chloroform	<1	1,3,5-Trimethylbenzene	<1
2-Butanone (MEK)	<10	1,1,2,2-Tetrachloroethane	<1
1,2-Dichloroethane (EDC)	<1	1,2,3-Trichloropropane	<1
1,1,1-Trichloroethane	<1	2-Chlorotoluene	<1
1,1-Dichloropropene	<1	4-Chlorotoluene	<1
Carbon Tetrachloride	<1	tert-Butylbenzene	<1
Benzene	<1	1,2,4-Trimethylbenzene	<1
Trichloroethene	<1	sec-Butylbenzene	<1
1,2-Dichloropropane	<1	p-Isopropyltoluene	<1
Bromodichloromethane	<1	1,3-Dichlorobenzene	<1
Dibromomethane	<1	1,4-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dichlorobenzene	<1
cis-1,3-Dichloropropene	<1	1,2-Dibromo-3-chloropropane	<1
Toluene	<1	1,2,4-Trichlorobenzene	<1
trans-1,3-Dichloropropene	<1	Hexachlorobutadiene	<1
1,1,2-Trichloroethane	<1	Naphthalene	<1
2-Hexanone	<10	1,2,3-Trichlorobenzene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: Method Blank
 Date Received: NA
 Date Extracted: 06/18/08
 Date Analyzed: 06/18/08
 Matrix: Water
 Units: ug/L (ppb)

Client: SLR International Corp.
 Project: 001.0205.00010, F&BI 806198
 Lab ID: 080939 mb
 Data File: 061816.D
 Instrument: GCMS5
 Operator: MB

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	91	69	124
1,2-Dichloroethane-d4	97	67	131
Toluene-d8	94	73	132
4-Bromofluorobenzene	96	81	146

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<1	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Methylene chloride	<5	o-Xylene	<1
Methyl t-butyl ether (MTBE)	<1	Styrene	<1
trans-1,2-Dichloroethene	<1	Isopropylbenzene	<1
1,1-Dichloroethane	<1	Bromoform	<1
2,2-Dichloropropane	<1	n-Propylbenzene	<1
cis-1,2-Dichloroethene	<1	Bromobenzene	<1
Chloroform	<1	1,3,5-Trimethylbenzene	<1
2-Butanone (MEK)	<10	1,1,2,2-Tetrachloroethane	<1
1,2-Dichloroethane (EDC)	<1	1,2,3-Trichloropropane	<1
1,1,1-Trichloroethane	<1	2-Chlorotoluene	<1
1,1-Dichloropropene	<1	4-Chlorotoluene	<1
Carbon Tetrachloride	<1	tert-Butylbenzene	<1
Benzene	<1	1,2,4-Trimethylbenzene	<1
Trichloroethene	<1	sec-Butylbenzene	<1
1,2-Dichloropropane	<1	p-Isopropyltoluene	<1
Bromodichloromethane	<1	1,3-Dichlorobenzene	<1
Dibromomethane	<1	1,4-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dichlorobenzene	<1
cis-1,3-Dichloropropene	<1	1,2-Dibromo-3-chloropropane	<1
Toluene	<1	1,2,4-Trichlorobenzene	<1
trans-1,3-Dichloropropene	<1	Hexachlorobutadiene	<1
1,1,2-Trichloroethane	<1	Naphthalene	<1
2-Hexanone	<10	1,2,3-Trichlorobenzene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C SIM

Client Sample ID:	CMW1-061708	Client:	SLR International Corp.
Date Received:	06/17/08	Project:	001.0205.00010, F&BI 806198
Date Extracted:	06/19/08	Lab ID:	806198-01
Date Analyzed:	06/20/08	Data File:	062015.D
Matrix:	Water	Instrument:	GCMS6
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	84	50	150
Benzo(a)anthracene-d12	77	50	129

Compounds:	Concentration ug/L (ppb)
Naphthalene	<0.1
Acenaphthylene	<0.1
Acenaphthene	<0.1
Fluorene	<0.1
Phenanthrene	<0.1
Anthracene	<0.1
Fluoranthene	<0.1
Pyrene	<0.1
Benz(a)anthracene	<0.1
Chrysene	<0.1
Benzo(a)pyrene	<0.1
Benzo(b)fluoranthene	<0.1
Benzo(k)fluoranthene	<0.1
Indeno(1,2,3-cd)pyrene	<0.1
Dibenz(a,h)anthracene	<0.1
Benzo(g,h,i)perylene	<0.1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C SIM

Client Sample ID:	CMW2-061708	Client:	SLR International Corp.
Date Received:	06/17/08	Project:	001.0205.00010, F&BI 806198
Date Extracted:	06/19/08	Lab ID:	806198-02
Date Analyzed:	06/24/08	Data File:	062420.D
Matrix:	Water	Instrument:	GCMS6
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	64	50	150
Benzo(a)anthracene-d12	78	50	129

Compounds:	Concentration ug/L (ppb)
Naphthalene	4.3
Acenaphthylene	<0.1
Acenaphthene	4.5
Fluorene	3.9
Phenanthrene	4.9
Anthracene	0.42
Fluoranthene	1.4
Pyrene	0.75
Benz(a)anthracene	0.14
Chrysene	0.13
Benzo(a)pyrene	<0.1
Benzo(b)fluoranthene	<0.1
Benzo(k)fluoranthene	<0.1
Indeno(1,2,3-cd)pyrene	<0.1
Dibenz(a,h)anthracene	<0.1
Benzo(g,h,i)perylene	<0.1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C SIM

Client Sample ID:	CMW3-061708	Client:	SLR International Corp.
Date Received:	06/17/08	Project:	001.0205.00010, F&BI 806198
Date Extracted:	06/19/08	Lab ID:	806198-03
Date Analyzed:	06/20/08	Data File:	062019.D
Matrix:	Water	Instrument:	GCMS6
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	92	50	150
Benzo(a)anthracene-d12	80	50	129

Compounds:	Concentration ug/L (ppb)
Naphthalene	2.4
Acenaphthylene	<0.1
Acenaphthene	4.1
Fluorene	2.5
Phenanthrene	3.0
Anthracene	1.5
Fluoranthene	0.84
Pyrene	0.48
Benz(a)anthracene	<0.1
Chrysene	<0.1
Benzo(a)pyrene	<0.1
Benzo(b)fluoranthene	<0.1
Benzo(k)fluoranthene	<0.1
Indeno(1,2,3-cd)pyrene	<0.1
Dibenz(a,h)anthracene	<0.1
Benzo(g,h,i)perylene	<0.1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C SIM

Client Sample ID:	CMW4-061708	Client:	SLR International Corp.
Date Received:	06/17/08	Project:	001.0205.00010, F&BI 806198
Date Extracted:	06/19/08	Lab ID:	806198-04
Date Analyzed:	06/20/08	Data File:	062023.D
Matrix:	Water	Instrument:	GCMS6
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	95	50	150
Benzo(a)anthracene-d12	89	50	129

Compounds:	Concentration ug/L (ppb)
Naphthalene	2.7
Acenaphthylene	<0.1
Acenaphthene	1.8
Fluorene	0.89
Phenanthrene	1.9
Anthracene	0.44
Fluoranthene	0.68
Pyrene	0.53
Benz(a)anthracene	0.11
Chrysene	0.12
Benzo(a)pyrene	<0.1
Benzo(b)fluoranthene	0.10
Benzo(k)fluoranthene	<0.1
Indeno(1,2,3-cd)pyrene	<0.1
Dibenz(a,h)anthracene	<0.1
Benzo(g,h,i)perylene	<0.1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C SIM

Client Sample ID:	CMW5-061708	Client:	SLR International Corp.
Date Received:	06/17/08	Project:	001.0205.00010, F&BI 806198
Date Extracted:	06/19/08	Lab ID:	806198-05
Date Analyzed:	06/20/08	Data File:	062016.D
Matrix:	Water	Instrument:	GCMS6
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	91	50	150
Benzo(a)anthracene-d12	80	50	129

Compounds:	Concentration ug/L (ppb)
Naphthalene	0.19
Acenaphthylene	<0.1
Acenaphthene	0.13
Fluorene	0.10
Phenanthrene	0.29
Anthracene	<0.1
Fluoranthene	0.17
Pyrene	0.14
Benz(a)anthracene	<0.1
Chrysene	<0.1
Benzo(a)pyrene	<0.1
Benzo(b)fluoranthene	<0.1
Benzo(k)fluoranthene	<0.1
Indeno(1,2,3-cd)pyrene	<0.1
Dibenz(a,h)anthracene	<0.1
Benzo(g,h,i)perylene	<0.1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C SIM

Client Sample ID:	CMW6-061708	Client:	SLR International Corp.
Date Received:	06/17/08	Project:	001.0205.00010, F&BI 806198
Date Extracted:	06/19/08	Lab ID:	806198-06
Date Analyzed:	06/20/08	Data File:	062017.D
Matrix:	Water	Instrument:	GCMS6
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	94	50	150
Benzo(a)anthracene-d12	81	50	129

Compounds:	Concentration ug/L (ppb)
Naphthalene	<0.1
Acenaphthylene	<0.1
Acenaphthene	<0.1
Fluorene	<0.1
Phenanthrene	0.14
Anthracene	<0.1
Fluoranthene	<0.1
Pyrene	<0.1
Benz(a)anthracene	<0.1
Chrysene	<0.1
Benzo(a)pyrene	<0.1
Benzo(b)fluoranthene	<0.1
Benzo(k)fluoranthene	<0.1
Indeno(1,2,3-cd)pyrene	<0.1
Dibenz(a,h)anthracene	<0.1
Benzo(g,h,i)perylene	<0.1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C SIM

Client Sample ID:	CMW7-061708	Client:	SLR International Corp.
Date Received:	06/17/08	Project:	001.0205.00010, F&BI 806198
Date Extracted:	06/19/08	Lab ID:	806198-07
Date Analyzed:	06/20/08	Data File:	062018.D
Matrix:	Water	Instrument:	GCMS6
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	90	50	150
Benzo(a)anthracene-d12	78	50	129

Compounds:	Concentration ug/L (ppb)
Naphthalene	<0.1
Acenaphthylene	<0.1
Acenaphthene	<0.1
Fluorene	<0.1
Phenanthrene	<0.1
Anthracene	<0.1
Fluoranthene	<0.1
Pyrene	<0.1
Benz(a)anthracene	<0.1
Chrysene	<0.1
Benzo(a)pyrene	<0.1
Benzo(b)fluoranthene	<0.1
Benzo(k)fluoranthene	<0.1
Indeno(1,2,3-cd)pyrene	<0.1
Dibenz(a,h)anthracene	<0.1
Benzo(g,h,i)perylene	<0.1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C SIM

Client Sample ID:	Method Blank	Client:	SLR International Corp.
Date Received:	NA	Project:	001.0205.00010, F&BI 806198
Date Extracted:	06/19/08	Lab ID:	080969mb
Date Analyzed:	06/20/08	Data File:	062006.D
Matrix:	Water	Instrument:	GCMS6
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	85	50	150
Benzo(a)anthracene-d12	67	50	129

Compounds:	Concentration ug/L (ppb)
Naphthalene	<0.1
Acenaphthylene	<0.1
Acenaphthene	<0.1
Fluorene	<0.1
Phenanthrene	<0.1
Anthracene	<0.1
Fluoranthene	<0.1
Pyrene	<0.1
Benz(a)anthracene	<0.1
Chrysene	<0.1
Benzo(a)pyrene	<0.1
Benzo(b)fluoranthene	<0.1
Benzo(k)fluoranthene	<0.1
Indeno(1,2,3-cd)pyrene	<0.1
Dibenz(a,h)anthracene	<0.1
Benzo(g,h,i)perylene	<0.1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C

Client Sample ID: CMW1-061708
Date Received: 06/17/08
Date Extracted: 06/19/08
Date Analyzed: 06/20/08
Matrix: Water
Units: ug/L (ppb)

Client: SLR International Corp.
Project: 001.0205.00010, F&BI 806198
Lab ID: 806198-01
Data File: 062008.D
Instrument: GCMS3
Operator: YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	38	27	76
Phenol-d6	29	13	58
Nitrobenzene-d5	80	55	115
2-Fluorobiphenyl	84	51	113
2,4,6-Tribromophenol	75	28	107
Terphenyl-d14	75	45	119

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Phenol	<10	3-Nitroaniline	<3
Bis(2-chloroethyl) ether	<1	Acenaphthene	<1
2-Chlorophenol	<10	2,4-Dinitrophenol	<30
1,3-Dichlorobenzene	<1	Dibenzofuran	<1
1,4-Dichlorobenzene	<1	2,4-Dinitrotoluene	<1
1,2-Dichlorobenzene	<1	4-Nitrophenol	<10
Benzyl alcohol	<1	Diethyl phthalate	<1
Bis(2-chloroisopropyl) ether	<1	Fluorene	<1
2-Methylphenol	<10	4-Chlorophenyl phenyl ether	<1
Hexachloroethane	<1	N-Nitrosodiphenylamine	<1
N-Nitroso-di-n-propylamine	<1	4-Nitroaniline	<10
4-Methylphenol	<10	4,6-Dinitro-2-methylphenol	<30
Nitrobenzene	<1	4-Bromophenyl phenyl ether	<1
Isophorone	<1	Hexachlorobenzene	<1
2-Nitrophenol	<10	Pentachlorophenol	<10
2,4-Dimethylphenol	<10	Phenanthrene	<1
Benzoic acid	<100	Anthracene	<1
Bis(2-chloroethoxy)methane	<1	Carbazole	<1
2,4-Dichlorophenol	<10	Di-n-butyl phthalate	<1
1,2,4-Trichlorobenzene	<1	Fluoranthene	<1
Naphthalene	<1	Pyrene	<1
Hexachlorobutadiene	<1	Benzyl butyl phthalate	<1
4-Chloroaniline	<3	Benz(a)anthracene	<1
4-Chloro-3-methylphenol	<10	Chrysene	<1
2-Methylnaphthalene	<1	Bis(2-ethylhexyl) phthalate	<10
Hexachlorocyclopentadiene	<3	Di-n-octyl phthalate	<1
2,4,6-Trichlorophenol	<10	Benzo(a)pyrene	<1
2,4,5-Trichlorophenol	<10	Benzo(b)fluoranthene	<1
2-Chloronaphthalene	<1	Benzo(k)fluoranthene	<1
2-Nitroaniline	<1	Indeno(1,2,3-cd)pyrene	<1
Dimethyl phthalate	<1	Dibenz(a,h)anthracene	<1
Acenaphthylene	<1	Benzo(g,h,i)perylene	<1
2,6-Dinitrotoluene	<1		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C

Client Sample ID: CMW2-061708
 Date Received: 06/17/08
 Date Extracted: 06/20/08
 Date Analyzed: 06/23/08
 Matrix: Water
 Units: ug/L (ppb)

Client: SLR International Corp.
 Project: 001.0205.00010, F&BI 806198
 Lab ID: 806198-02
 Data File: 062305.D
 Instrument: GCMS3
 Operator: YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	24	27	76
Phenol-d6	20	13	58
Nitrobenzene-d5	47	55	115
2-Fluorobiphenyl	51	51	113
2,4,6-Tribromophenol	55	28	107
Terphenyl-d14	48	45	119

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Phenol	<10	3-Nitroaniline	<3
Bis(2-chloroethyl) ether	<1	Acenaphthene	4.0
2-Chlorophenol	<10	2,4-Dinitrophenol	<30
1,3-Dichlorobenzene	<1	Dibenzofuran	2.5
1,4-Dichlorobenzene	<1	2,4-Dinitrotoluene	<1
1,2-Dichlorobenzene	<1	4-Nitrophenol	<10
Benzyl alcohol	<1	Diethyl phthalate	<1
Bis(2-chloroisopropyl) ether	<1	Fluorene	3.5
2-Methylphenol	<10	4-Chlorophenyl phenyl ether	<1
Hexachloroethane	<1	N-Nitrosodiphenylamine	<1
N-Nitroso-di-n-propylamine	<1	4-Nitroaniline	<10
4-Methylphenol	<10	4,6-Dinitro-2-methylphenol	<30
Nitrobenzene	<1	4-Bromophenyl phenyl ether	<1
Isophorone	<1	Hexachlorobenzene	<1
2-Nitrophenol	<10	Pentachlorophenol	<10
2,4-Dimethylphenol	<10	Phenanthrene	4.6
Benzoic acid	<100	Anthracene	<1
Bis(2-chloroethoxy)methane	<1	Carbazole	<1
2,4-Dichlorophenol	<10	Di-n-butyl phthalate	<1
1,2,4-Trichlorobenzene	<1	Fluoranthene	1.3
Naphthalene	3.8	Pyrene	<1
Hexachlorobutadiene	<1	Benzyl butyl phthalate	<1
4-Chloroaniline	<3	Benz(a)anthracene	<1
4-Chloro-3-methylphenol	<10	Chrysene	<1
2-Methylnaphthalene	1.5	Bis(2-ethylhexyl) phthalate	<10
Hexachlorocyclopentadiene	<3	Di-n-octyl phthalate	<1
2,4,6-Trichlorophenol	<10	Benzo(a)pyrene	<1
2,4,5-Trichlorophenol	<10	Benzo(b)fluoranthene	<1
2-Chloronaphthalene	<1	Benzo(k)fluoranthene	<1
2-Nitroaniline	<1	Indeno(1,2,3-cd)pyrene	<1
Dimethyl phthalate	<1	Dibenz(a,h)anthracene	<1
Acenaphthylene	<1	Benzo(g,h,i)perylene	<1
2,6-Dinitrotoluene	<1		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C

Client Sample ID: CMW3-061708
 Date Received: 06/17/08
 Date Extracted: 06/19/08
 Date Analyzed: 06/20/08
 Matrix: Water
 Units: ug/L (ppb)

Client: SLR International Corp.
 Project: 001.0205.00010, F&BI 806198
 Lab ID: 806198-03
 Data File: 062014.D
 Instrument: GCMS3
 Operator: YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	43	27	76
Phenol-d6	35	13	58
Nitrobenzene-d5	83	55	115
2-Fluorobiphenyl	82	51	113
2,4,6-Tribromophenol	92	28	107
Terphenyl-d14	74	45	119

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Phenol	<10	3-Nitroaniline	<3
Bis(2-chloroethyl) ether	<1	Acenaphthene	4.9
2-Chlorophenol	<10	2,4-Dinitrophenol	<30
1,3-Dichlorobenzene	<1	Dibenzofuran	2.2
1,4-Dichlorobenzene	<1	2,4-Dinitrotoluene	<1
1,2-Dichlorobenzene	<1	4-Nitrophenol	<10
Benzyl alcohol	<1	Diethyl phthalate	<1
Bis(2-chloroisopropyl) ether	<1	Fluorene	3.1
2-Methylphenol	<10	4-Chlorophenyl phenyl ether	<1
Hexachloroethane	<1	N-Nitrosodiphenylamine	<1
N-Nitroso-di-n-propylamine	<1	4-Nitroaniline	<10
4-Methylphenol	<10	4,6-Dinitro-2-methylphenol	<30
Nitrobenzene	<1	4-Bromophenyl phenyl ether	<1
Isophorone	<1	Hexachlorobenzene	<1
2-Nitrophenol	<10	Pentachlorophenol	<10
2,4-Dimethylphenol	<10	Phenanthrene	3.9
Benzoic acid	<100	Anthracene	1.8
Bis(2-chloroethoxy)methane	<1	Carbazole	2.1
2,4-Dichlorophenol	<10	Di-n-butyl phthalate	<1
1,2,4-Trichlorobenzene	<1	Fluoranthene	1.1
Naphthalene	2.9	Pyrene	<1
Hexachlorobutadiene	<1	Benzyl butyl phthalate	<1
4-Chloroaniline	<3	Benz(a)anthracene	<1
4-Chloro-3-methylphenol	<10	Chrysene	<1
2-Methylnaphthalene	4.4	Bis(2-ethylhexyl) phthalate	<10
Hexachlorocyclopentadiene	<3	Di-n-octyl phthalate	<1
2,4,6-Trichlorophenol	<10	Benzo(a)pyrene	<1
2,4,5-Trichlorophenol	<10	Benzo(b)fluoranthene	<1
2-Chloronaphthalene	<1	Benzo(k)fluoranthene	<1
2-Nitroaniline	<1	Indeno(1,2,3-cd)pyrene	<1
Dimethyl phthalate	<1	Dibenz(a,h)anthracene	<1
Acenaphthylene	<1	Benzo(g,h,i)perylene	<1
2,6-Dinitrotoluene	<1		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C

Client Sample ID:	CMW4-061708	Client:	SLR International Corp.
Date Received:	06/17/08	Project:	001.0205.00010, F&BI 806198
Date Extracted:	06/19/08	Lab ID:	806198-04
Date Analyzed:	06/21/08	Data File:	062015.D
Matrix:	Water	Instrument:	GCMS3
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	43	27	76
Phenol-d6	34	13	58
Nitrobenzene-d5	86	55	115
2-Fluorobiphenyl	87	51	113
2,4,6-Tribromophenol	92	28	107
Terphenyl-d14	78	45	119

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Phenol	<10	3-Nitroaniline	<3
Bis(2-chloroethyl) ether	<1	Acenaphthene	2.1
2-Chlorophenol	<10	2,4-Dinitrophenol	<30
1,3-Dichlorobenzene	<1	Dibenzofuran	<1
1,4-Dichlorobenzene	<1	2,4-Dinitrotoluene	<1
1,2-Dichlorobenzene	<1	4-Nitrophenol	<10
Benzyl alcohol	<1	Diethyl phthalate	<1
Bis(2-chloroisopropyl) ether	<1	Fluorene	1.0
2-Methylphenol	<10	4-Chlorophenyl phenyl ether	<1
Hexachloroethane	<1	N-Nitrosodiphenylamine	<1
N-Nitroso-di-n-propylamine	<1	4-Nitroaniline	<10
4-Methylphenol	<10	4,6-Dinitro-2-methylphenol	<30
Nitrobenzene	<1	4-Bromophenyl phenyl ether	<1
Isophorone	<1	Hexachlorobenzene	<1
2-Nitrophenol	<10	Pentachlorophenol	<10
2,4-Dimethylphenol	<10	Phenanthrene	2.4
Benzoic acid	<100	Anthracene	<1
Bis(2-chloroethoxy)methane	<1	Carbazole	1.3
2,4-Dichlorophenol	<10	Di-n-butyl phthalate	<1
1,2,4-Trichlorobenzene	<1	Fluoranthene	<1
Naphthalene	3.3	Pyrene	<1
Hexachlorobutadiene	<1	Benzyl butyl phthalate	<1
4-Chloroaniline	<3	Benz(a)anthracene	<1
4-Chloro-3-methylphenol	<10	Chrysene	<1
2-Methylnaphthalene	<1	Bis(2-ethylhexyl) phthalate	<10
Hexachlorocyclopentadiene	<3	Di-n-octyl phthalate	<1
2,4,6-Trichlorophenol	<10	Benzo(a)pyrene	<1
2,4,5-Trichlorophenol	<10	Benzo(b)fluoranthene	<1
2-Chloronaphthalene	<1	Benzo(k)fluoranthene	<1
2-Nitroaniline	<1	Indeno(1,2,3-cd)pyrene	<1
Dimethyl phthalate	<1	Dibenz(a,h)anthracene	<1
Acenaphthylene	<1	Benzo(g,h,i)perylene	<1
2,6-Dinitrotoluene	<1		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C

Client Sample ID:	CMW5-061708	Client:	SLR International Corp.
Date Received:	06/17/08	Project:	001.0205.00010, F&BI 806198
Date Extracted:	06/19/08	Lab ID:	806198-05
Date Analyzed:	06/20/08	Data File:	062009.D
Matrix:	Water	Instrument:	GCMS3
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	39	27	76
Phenol-d6	30	13	58
Nitrobenzene-d5	82	55	115
2-Fluorobiphenyl	83	51	113
2,4,6-Tribromophenol	90	28	107
Terphenyl-d14	75	45	119

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Phenol	<10	3-Nitroaniline	<3
Bis(2-chloroethyl) ether	<1	Acenaphthene	<1
2-Chlorophenol	<10	2,4-Dinitrophenol	<30
1,3-Dichlorobenzene	<1	Dibenzofuran	<1
1,4-Dichlorobenzene	<1	2,4-Dinitrotoluene	<1
1,2-Dichlorobenzene	<1	4-Nitrophenol	<10
Benzyl alcohol	<1	Diethyl phthalate	<1
Bis(2-chloroisopropyl) ether	<1	Fluorene	<1
2-Methylphenol	<10	4-Chlorophenyl phenyl ether	<1
Hexachloroethane	<1	N-Nitrosodiphenylamine	<1
N-Nitroso-di-n-propylamine	<1	4-Nitroaniline	<10
4-Methylphenol	<10	4,6-Dinitro-2-methylphenol	<30
Nitrobenzene	<1	4-Bromophenyl phenyl ether	<1
Isophorone	<1	Hexachlorobenzene	<1
2-Nitrophenol	<10	Pentachlorophenol	<10
2,4-Dimethylphenol	<10	Phenanthrene	<1
Benzoic acid	<100	Anthracene	<1
Bis(2-chloroethoxy)methane	<1	Carbazole	<1
2,4-Dichlorophenol	<10	Di-n-butyl phthalate	<1
1,2,4-Trichlorobenzene	<1	Fluoranthene	<1
Naphthalene	<1	Pyrene	<1
Hexachlorobutadiene	<1	Benzyl butyl phthalate	<1
4-Chloroaniline	<3	Benz(a)anthracene	<1
4-Chloro-3-methylphenol	<10	Chrysene	<1
2-Methylnaphthalene	<1	Bis(2-ethylhexyl) phthalate	<10
Hexachlorocyclopentadiene	<3	Di-n-octyl phthalate	<1
2,4,6-Trichlorophenol	<10	Benzo(a)pyrene	<1
2,4,5-Trichlorophenol	<10	Benzo(b)fluoranthene	<1
2-Chloronaphthalene	<1	Benzo(k)fluoranthene	<1
2-Nitroaniline	<1	Indeno(1,2,3-cd)pyrene	<1
Dimethyl phthalate	<1	Dibenz(a,h)anthracene	<1
Acenaphthylene	<1	Benzo(g,h,i)perylene	<1
2,6-Dinitrotoluene	<1		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C

Client Sample ID: CMW6-061708
 Date Received: 06/17/08
 Date Extracted: 06/19/08
 Date Analyzed: 06/20/08
 Matrix: Water
 Units: ug/L (ppb)

Client: SLR International Corp.
 Project: 001.0205.00010, F&BI 806198
 Lab ID: 806198-06
 Data File: 062010.D
 Instrument: GCMS3
 Operator: YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	38	27	76
Phenol-d6	30	13	58
Nitrobenzene-d5	79	55	115
2-Fluorobiphenyl	84	51	113
2,4,6-Tribromophenol	82	28	107
Terphenyl-d14	80	45	119

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Phenol	<10	3-Nitroaniline	<3
Bis(2-chloroethyl) ether	<1	Acenaphthene	<1
2-Chlorophenol	<10	2,4-Dinitrophenol	<30
1,3-Dichlorobenzene	<1	Dibenzofuran	<1
1,4-Dichlorobenzene	<1	2,4-Dinitrotoluene	<1
1,2-Dichlorobenzene	<1	4-Nitrophenol	<10
Benzyl alcohol	<1	Diethyl phthalate	<1
Bis(2-chloroisopropyl) ether	<1	Fluorene	<1
2-Methylphenol	<10	4-Chlorophenyl phenyl ether	<1
Hexachloroethane	<1	N-Nitrosodiphenylamine	<1
N-Nitroso-di-n-propylamine	<1	4-Nitroaniline	<10
4-Methylphenol	<10	4,6-Dinitro-2-methylphenol	<30
Nitrobenzene	<1	4-Bromophenyl phenyl ether	<1
Isophorone	<1	Hexachlorobenzene	<1
2-Nitrophenol	<10	Pentachlorophenol	<10
2,4-Dimethylphenol	<10	Phenanthrene	<1
Benzoic acid	<100	Anthracene	<1
Bis(2-chloroethoxy)methane	<1	Carbazole	<1
2,4-Dichlorophenol	<10	Di-n-butyl phthalate	<1
1,2,4-Trichlorobenzene	<1	Fluoranthene	<1
Naphthalene	<1	Pyrene	<1
Hexachlorobutadiene	<1	Benzyl butyl phthalate	<1
4-Chloroaniline	<3	Benz(a)anthracene	<1
4-Chloro-3-methylphenol	<10	Chrysene	<1
2-Methylnaphthalene	<1	Bis(2-ethylhexyl) phthalate	<10
Hexachlorocyclopentadiene	<3	Di-n-octyl phthalate	<1
2,4,6-Trichlorophenol	<10	Benzo(a)pyrene	<1
2,4,5-Trichlorophenol	<10	Benzo(b)fluoranthene	<1
2-Chloronaphthalene	<1	Benzo(k)fluoranthene	<1
2-Nitroaniline	<1	Indeno(1,2,3-cd)pyrene	<1
Dimethyl phthalate	<1	Dibenz(a,h)anthracene	<1
Acenaphthylene	<1	Benzo(g,h,i)perylene	<1
2,6-Dinitrotoluene	<1		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C

Client Sample ID: CMW7-061708
 Date Received: 06/17/08
 Date Extracted: 06/19/08
 Date Analyzed: 06/20/08
 Matrix: Water
 Units: ug/L (ppb)

Client: SLR International Corp.
 Project: 001.0205.00010, F&BI 806198
 Lab ID: 806198-07
 Data File: 062011.D
 Instrument: GCMS3
 Operator: YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	40	27	76
Phenol-d6	32	13	58
Nitrobenzene-d5	83	55	115
2-Fluorobiphenyl	85	51	113
2,4,6-Tribromophenol	80	28	107
Terphenyl-d14	78	45	119

Compounds:	Concentration ug/L (ppb)
Phenol	<10
Bis(2-chloroethyl) ether	<1
2-Chlorophenol	<10
1,3-Dichlorobenzene	<1
1,4-Dichlorobenzene	<1
1,2-Dichlorobenzene	<1
Benzyl alcohol	<1
Bis(2-chloroisopropyl) ether	<1
2-Methylphenol	<10
Hexachloroethane	<1
N-Nitroso-di-n-propylamine	<1
4-Methylphenol	<10
Nitrobenzene	<1
Isophorone	<1
2-Nitrophenol	<10
2,4-Dimethylphenol	<10
Benzoic acid	<100
Bis(2-chloroethoxy)methane	<1
2,4-Dichlorophenol	<10
1,2,4-Trichlorobenzene	<1
Naphthalene	<1
Hexachlorobutadiene	<1
4-Chloroaniline	<3
4-Chloro-3-methylphenol	<10
2-Methylnaphthalene	<1
Hexachlorocyclopentadiene	<3
2,4,6-Trichlorophenol	<10
2,4,5-Trichlorophenol	<10
2-Chloronaphthalene	<1
2-Nitroaniline	<1
Dimethyl phthalate	<1
Acenaphthylene	<1
2,6-Dinitrotoluene	<1

Compounds:	Concentration ug/L (ppb)
3-Nitroaniline	<3
Acenaphthene	<1
2,4-Dinitrophenol	<30
Dibenzofuran	<1
2,4-Dinitrotoluene	<1
4-Nitrophenol	<10
Diethyl phthalate	<1
Fluorene	<1
4-Chlorophenyl phenyl ether	<1
N-Nitrosodiphenylamine	<1
4-Nitroaniline	<10
4,6-Dinitro-2-methylphenol	<30
4-Bromophenyl phenyl ether	<1
Hexachlorobenzene	<1
Pentachlorophenol	<10
Phenanthrene	<1
Anthracene	<1
Carbazole	<1
Di-n-butyl phthalate	<1
Fluoranthene	<1
Pyrene	<1
Benzyl butyl phthalate	<1
Benz(a)anthracene	<1
Chrysene	<1
Bis(2-ethylhexyl) phthalate	<10
Di-n-octyl phthalate	<1
Benzo(a)pyrene	<1
Benzo(b)fluoranthene	<1
Benzo(k)fluoranthene	<1
Indeno(1,2,3-cd)pyrene	<1
Dibenz(a,h)anthracene	<1
Benzo(g,h,i)perylene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C

Client Sample ID: Method Blank	Client: SLR International Corp.
Date Received: NA	Project: 001.0205.00010, F&BI 806198
Date Extracted: 06/19/08	Lab ID: 080970mb
Date Analyzed: 06/20/08	Data File: 062007.D
Matrix: Water	Instrument: GCMS3
Units: ug/L (ppb)	Operator: YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	38	27	76
Phenol-d6	30	13	58
Nitrobenzene-d5	81	55	115
2-Fluorobiphenyl	83	51	113
2,4,6-Tribromophenol	75	28	107
Terphenyl-d14	77	45	119

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Phenol	<10	3-Nitroaniline	<3
Bis(2-chloroethyl) ether	<1	Acenaphthene	<1
2-Chlorophenol	<10	2,4-Dinitrophenol	<30
1,3-Dichlorobenzene	<1	Dibenzofuran	<1
1,4-Dichlorobenzene	<1	2,4-Dinitrotoluene	<1
1,2-Dichlorobenzene	<1	4-Nitrophenol	<10
Benzyl alcohol	<1	Diethyl phthalate	<1
Bis(2-chloroisopropyl) ether	<1	Fluorene	<1
2-Methylphenol	<10	4-Chlorophenyl phenyl ether	<1
Hexachloroethane	<1	N-Nitrosodiphenylamine	<1
N-Nitroso-di-n-propylamine	<1	4-Nitroaniline	<10
4-Methylphenol	<10	4,6-Dinitro-2-methylphenol	<30
Nitrobenzene	<1	4-Bromophenyl phenyl ether	<1
Isophorone	<1	Hexachlorobenzene	<1
2-Nitrophenol	<10	Pentachlorophenol	<10
2,4-Dimethylphenol	<10	Phenanthrene	<1
Benzoic acid	<100	Anthracene	<1
Bis(2-chloroethoxy)methane	<1	Carbazole	<1
2,4-Dichlorophenol	<10	Di-n-butyl phthalate	<1
1,2,4-Trichlorobenzene	<1	Fluoranthene	<1
Naphthalene	<1	Pyrene	<1
Hexachlorobutadiene	<1	Benzyl butyl phthalate	<1
4-Chloroaniline	<3	Benz(a)anthracene	<1
4-Chloro-3-methylphenol	<10	Chrysene	<1
2-Methylnaphthalene	<1	Bis(2-ethylhexyl) phthalate	<10
Hexachlorocyclopentadiene	<3	Di-n-octyl phthalate	<1
2,4,6-Trichlorophenol	<10	Benzo(a)pyrene	<1
2,4,5-Trichlorophenol	<10	Benzo(b)fluoranthene	<1
2-Chloronaphthalene	<1	Benzo(k)fluoranthene	<1
2-Nitroaniline	<1	Indeno(1,2,3-cd)pyrene	<1
Dimethyl phthalate	<1	Dibenz(a,h)anthracene	<1
Acenaphthylene	<1	Benzo(g,h,i)perylene	<1
2,6-Dinitrotoluene	<1		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/02/08
 Date Received: 06/17/08
 Project: 001.0205.00010, F&BI 806198
 Date Extracted: 06/19/08
 Date Analyzed: 06/24/08

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
 FOR PCBs AS AROCLORS
 USING EPA METHOD 8082
 Results Reported as ug/L (ppb)**

<u>Sample ID</u> Laboratory ID	Aroclor								Surrogate (% Rec.) (Limit 50-150)
	<u>1221</u>	<u>1232</u>	<u>1016</u>	<u>1242</u>	<u>1248</u>	<u>1254</u>	<u>1260</u>	<u>1262</u>	
CMW1-061708 806198-01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	65
CMW2-061708 806198-02	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	72
CMW3-061708 806198-03	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	69
CMW4-061708 806198-04	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	71
CMW5-061708 806198-05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	95
CMW6-061708 806198-06	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	76
CMW7-061708 806198-07	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	75
Method Blank	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	49 vo

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/02/08

Date Received: 06/17/08

Project: 001.0205.00010, F&BI 806198

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
USING METHOD NWTPH-G_x**

Laboratory Code: 806198-03 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Gasoline	ug/L (ppb)	<100	<100	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	ug/L (ppb)	1,000	87	69-134

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/02/08

Date Received: 06/17/08

Project: 001.0205.00010, F&BI 806198

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS
DIESEL EXTENDED USING METHOD NWTPH-D_x**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	ug/L (ppb)	2,500	102	107	67-141	5

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/02/08
Date Received: 06/17/08
Project: 001.0205.00010, F&BI 806198

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF WATER SAMPLES
FOR TOTAL METALS USING EPA METHOD 200.8**

Laboratory Code: 806273-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	ug/L (ppb)	55.3	56.1	1	0-20
Arsenic	ug/L (ppb)	5.07	4.82	5	0-20
Selenium	ug/L (ppb)	1.43	1.39	3	0-20
Silver	ug/L (ppb)	<1	<1	nm	0-20
Cadmium	ug/L (ppb)	<1	<1	nm	0-20
Barium	ug/L (ppb)	54.1	51.6	5	0-20
Lead	ug/L (ppb)	1.42	1.42	0	0-20
Copper	ug/L (ppb)	13.4	13.5	1	0-20

Laboratory Code: 806273-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Chromium	ug/L (ppb)	20	55.3	102 b	50-150
Arsenic	ug/L (ppb)	10	5.07	101 b	50-150
Selenium	ug/L (ppb)	5	1.43	104 b	50-150
Silver	ug/L (ppb)	5	<1	101	50-150
Cadmium	ug/L (ppb)	5	<1	107	50-150
Barium	ug/L (ppb)	50	54.1	104 b	50-150
Lead	ug/L (ppb)	10	1.42	105	50-150
Copper	ug/L (ppb)	20	13.4	97 b	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Chromium	ug/L (ppb)	20	98	70-130
Arsenic	ug/L (ppb)	10	82	70-130
Selenium	ug/L (ppb)	5	89	70-130
Silver	ug/L (ppb)	5	100	70-130
Cadmium	ug/L (ppb)	5	99	70-130
Barium	ug/L (ppb)	50	102	70-130
Lead	ug/L (ppb)	10	102	70-130
Copper	ug/L (ppb)	20	97	70-130

FRIEDMAN & BRUYA, INC.
ENVIRONMENTAL CHEMISTS

Date of Report: 07/02/08
Date Received: 06/17/08
Project: 001.0205.00010, F&BI 806198

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF WATER SAMPLES
FOR DISSOLVED METALS USING EPA METHOD 200.8**

Laboratory Code: 806236-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	ug/L (ppb)	<1	<1	nm	0-20
Arsenic	ug/L (ppb)	<1	<1	nm	0-20
Selenium	ug/L (ppb)	<1	<1	nm	0-20
Silver	ug/L (ppb)	<1	<1	nm	0-20
Cadmium	ug/L (ppb)	<1	<1	nm	0-20
Barium	ug/L (ppb)	19.5	19.4	1	0-20
Lead	ug/L (ppb)	<1	<1	nm	0-20
Copper	ug/L (ppb)	<1	<1	nm	0-20

Laboratory Code: 806283-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Chromium	ug/L (ppb)	20	<1	95	50-150
Arsenic	ug/L (ppb)	10	18.2	64 b	50-150
Selenium	ug/L (ppb)	5	2.04	70 b	50-150
Silver	ug/L (ppb)	5	<1	81	50-150
Cadmium	ug/L (ppb)	5	<1	94	50-150
Barium	ug/L (ppb)	50	440	150 b	50-150
Lead	ug/L (ppb)	10	<1	97	50-150
Copper	ug/L (ppb)	20	4.97	83 b	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Chromium	ug/L (ppb)	20	99	70-130
Arsenic	ug/L (ppb)	10	81	70-130
Selenium	ug/L (ppb)	5	84	70-130
Silver	ug/L (ppb)	5	93	70-130
Cadmium	ug/L (ppb)	5	98	70-130
Barium	ug/L (ppb)	50	95	70-130
Lead	ug/L (ppb)	10	105	70-130
Copper	ug/L (ppb)	20	98	70-130

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/02/08

Date Received: 06/17/08

Project: 001.0205.00010, F&BI 806198

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF WATER SAMPLES FOR
DISSOLVED MERCURY
USING EPA METHOD 1631E**

Laboratory Code: 806123-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MS	Acceptance Criteria	RPD (Limit 20)
Mercury	ug/L (ppb)	0.5	<0.2	111	111	50-150	0

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Mercury	ug/L (ppb)	0.5	111	70-130

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/02/08

Date Received: 06/17/08

Project: 001.0205.00010, F&BI 806198

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF WATER SAMPLES FOR
TOTAL MERCURY
USING EPA METHOD 1631E**

Laboratory Code: 806123-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MS	Acceptance Criteria	RPD (Limit 20)
Mercury	ug/L (ppb)	0.5	<0.2	113	116	50-150	3

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Mercury	ug/L (ppb)	0.5	108	70-130

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/02/08

Date Received: 06/17/08

Project: 001.0205.00010, F&BI 806198

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260B

Laboratory Code: 806198-07 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Dichlorodifluoromethane	ug/L (ppb)	<1	<1	nm
Chloromethane	ug/L (ppb)	<1	<1	nm
Vinyl chloride	ug/L (ppb)	<0.2	<0.2	nm
Bromomethane	ug/L (ppb)	<1	<1	nm
Chloroethane	ug/L (ppb)	<1	<1	nm
Trichlorofluoromethane	ug/L (ppb)	<1	<1	nm
Acetone	ug/L (ppb)	<10	<10	nm
1,1-Dichloroethene	ug/L (ppb)	<1	<1	nm
Methylene chloride	ug/L (ppb)	<5	<5	nm
Methyl t-butyl ether (MTBE)	ug/L (ppb)	<1	<1	nm
trans-1,2-Dichloroethene	ug/L (ppb)	<1	<1	nm
1,1-Dichloroethane	ug/L (ppb)	<1	<1	nm
2,2-Dichloropropane	ug/L (ppb)	<1	<1	nm
cis-1,2-Dichloroethene	ug/L (ppb)	<1	<1	nm
Chloroform	ug/L (ppb)	<1	<1	nm
2-Butanone (MEK)	ug/L (ppb)	<10	<10	nm
1,2-Dichloroethane (EDC)	ug/L (ppb)	<1	<1	nm
1,1,1-Trichloroethane	ug/L (ppb)	<1	<1	nm
1,1-Dichloropropene	ug/L (ppb)	<1	<1	nm
Carbon Tetrachloride	ug/L (ppb)	<1	<1	nm
Benzene	ug/L (ppb)	<1	<1	nm
Trichloroethene	ug/L (ppb)	<1	<1	nm
1,2-Dichloropropane	ug/L (ppb)	<1	<1	nm
Bromodichloromethane	ug/L (ppb)	<1	<1	nm
Dibromomethane	ug/L (ppb)	<1	<1	nm
4-Methyl-2-pentanone	ug/L (ppb)	<10	<10	nm
cis-1,3-Dichloropropene	ug/L (ppb)	<1	<1	nm
Toluene	ug/L (ppb)	<1	<1	nm
trans-1,3-Dichloropropene	ug/L (ppb)	<1	<1	nm
1,1,2-Trichloroethane	ug/L (ppb)	<1	<1	nm
2-Hexanone	ug/L (ppb)	<10	<10	nm
1,3-Dichloropropane	ug/L (ppb)	<1	<1	nm
Tetrachloroethene	ug/L (ppb)	<1	<1	nm
Dibromochloromethane	ug/L (ppb)	<1	<1	nm
1,2-Dibromoethane (EDB)	ug/L (ppb)	<1	<1	nm
Chlorobenzene	ug/L (ppb)	<1	<1	nm
Ethylbenzene	ug/L (ppb)	<1	<1	nm
1,1,1,2-Tetrachloroethane	ug/L (ppb)	<1	<1	nm
m,p-Xylene	ug/L (ppb)	<2	<2	nm
o-Xylene	ug/L (ppb)	<1	<1	nm
Styrene	ug/L (ppb)	<1	<1	nm
Isopropylbenzene	ug/L (ppb)	<1	<1	nm
Bromoform	ug/L (ppb)	<1	<1	nm
n-Propylbenzene	ug/L (ppb)	<1	<1	nm
Bromobenzene	ug/L (ppb)	<1	<1	nm
1,3,5-Trimethylbenzene	ug/L (ppb)	<1	<1	nm
1,1,2,2-Tetrachloroethane	ug/L (ppb)	<1	<1	nm
1,2,3-Trichloropropane	ug/L (ppb)	<1	<1	nm
2-Chlorotoluene	ug/L (ppb)	<1	<1	nm
4-Chlorotoluene	ug/L (ppb)	<1	<1	nm
tert-Butylbenzene	ug/L (ppb)	<1	<1	nm
1,2,4-Trimethylbenzene	ug/L (ppb)	<1	<1	nm
sec-Butylbenzene	ug/L (ppb)	<1	<1	nm
p-Isopropyltoluene	ug/L (ppb)	<1	<1	nm
1,3-Dichlorobenzene	ug/L (ppb)	<1	<1	nm
1,4-Dichlorobenzene	ug/L (ppb)	<1	<1	nm
1,2-Dichlorobenzene	ug/L (ppb)	<1	<1	nm
1,2-Dibromo-3-chloropropane	ug/L (ppb)	<1	<1	nm
1,2,4-Trichlorobenzene	ug/L (ppb)	<1	<1	nm
Hexachlorobutadiene	ug/L (ppb)	<1	<1	nm
Naphthalene	ug/L (ppb)	<1	<1	nm
1,2,3-Trichlorobenzene	ug/L (ppb)	<1	<1	nm

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/02/08

Date Received: 06/17/08

Project: 001.0205.00010, F&BI 806198

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260B

Laboratory Code: 806167-05 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Dichlorodifluoromethane	ug/L (ppb)	50	<1	87	50-150
Chloromethane	ug/L (ppb)	50	<1	102	26-167
Vinyl chloride	ug/L (ppb)	50	<0.2	104	35-159
Bromomethane	ug/L (ppb)	50	<1	111	24-165
Chloroethane	ug/L (ppb)	50	<1	110	19-172
Trichlorofluoromethane	ug/L (ppb)	50	<1	97	32-165
Acetone	ug/L (ppb)	50	<10	94	29-148
1,1-Dichloroethene	ug/L (ppb)	50	<1	101	34-149
Methylene chloride	ug/L (ppb)	50	<5	103	64-126
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	<1	113	57-134
trans-1,2-Dichloroethene	ug/L (ppb)	50	<1	103	65-131
1,1-Dichloroethane	ug/L (ppb)	50	<1	105	59-132
2,2-Dichloropropane	ug/L (ppb)	50	<1	104	58-137
cis-1,2-Dichloroethene	ug/L (ppb)	50	<1	106	64-134
Chloroform	ug/L (ppb)	50	<1	106	59-135
2-Butanone (MEK)	ug/L (ppb)	50	<10	100	47-162
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	<1	110	67-133
1,1,1-Trichloroethane	ug/L (ppb)	50	<1	98	59-142
1,1-Dichloropropene	ug/L (ppb)	50	<1	93	65-127
Carbon Tetrachloride	ug/L (ppb)	50	<1	99	55-145
Benzene	ug/L (ppb)	50	<1	100	71-120
Trichloroethene	ug/L (ppb)	50	<1	94	71-121
1,2-Dichloropropane	ug/L (ppb)	50	<1	107	75-125
Bromodichloromethane	ug/L (ppb)	50	<1	112	61-142
Dibromomethane	ug/L (ppb)	50	<1	111	65-133
4-Methyl-2-pentanone	ug/L (ppb)	50	<10	113	65-140
cis-1,3-Dichloropropene	ug/L (ppb)	50	<1	111	55-146
Toluene	ug/L (ppb)	50	<1	86	68-131
trans-1,3-Dichloropropene	ug/L (ppb)	50	<1	106	63-141
1,1,2-Trichloroethane	ug/L (ppb)	50	<1	97	63-143
2-Hexanone	ug/L (ppb)	50	<10	102	55-158
1,3-Dichloropropane	ug/L (ppb)	50	<1	96	77-124
Tetrachloroethene	ug/L (ppb)	50	<1	82	71-130
Dibromochloromethane	ug/L (ppb)	50	<1	106	61-143
1,2-Dibromoethane (EDB)	ug/L (ppb)	50	<1	99	76-128
Chlorobenzene	ug/L (ppb)	50	<1	85	72-118
Ethylbenzene	ug/L (ppb)	50	<1	83	74-122
1,1,1,2-Tetrachloroethane	ug/L (ppb)	50	<1	99	74-129
m,p-Xylene	ug/L (ppb)	100	<2	84	72-127
o-Xylene	ug/L (ppb)	50	<1	85	67-134
Styrene	ug/L (ppb)	50	<1	88	72-127
Isopropylbenzene	ug/L (ppb)	50	<1	82	66-138
Bromoform	ug/L (ppb)	50	<1	112	63-135
n-Propylbenzene	ug/L (ppb)	50	<1	77	68-133
Bromobenzene	ug/L (ppb)	50	<1	84	75-120
1,3,5-Trimethylbenzene	ug/L (ppb)	50	<1	81	73-126
1,1,2,2-Tetrachloroethane	ug/L (ppb)	50	<1	96	65-137
1,2,3-Trichloropropane	ug/L (ppb)	50	<1	97	66-135
2-Chlorotoluene	ug/L (ppb)	50	<1	78	63-132
4-Chlorotoluene	ug/L (ppb)	50	<1	78	63-133
tert-Butylbenzene	ug/L (ppb)	50	<1	78	66-135
1,2,4-Trimethylbenzene	ug/L (ppb)	50	<1	80	73-127
sec-Butylbenzene	ug/L (ppb)	50	<1	77	66-134
p-Isopropyltoluene	ug/L (ppb)	50	<1	78	72-131
1,3-Dichlorobenzene	ug/L (ppb)	50	<1	79	65-127
1,4-Dichlorobenzene	ug/L (ppb)	50	<1	82	65-121
1,2-Dichlorobenzene	ug/L (ppb)	50	<1	84	64-129
1,2-Dibromo-3-chloropropane	ug/L (ppb)	50	<1	103	53-151
1,2,4-Trichlorobenzene	ug/L (ppb)	50	<1	86	64-132
Hexachlorobutadiene	ug/L (ppb)	50	<1	80	53-140
Naphthalene	ug/L (ppb)	50	<1	92	40-166
1,2,3-Trichlorobenzene	ug/L (ppb)	50	<1	85	58-152

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/02/08

Date Received: 06/17/08

Project: 001.0205.00010, F&BI 806198

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260B

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Dichlorodifluoromethane	ug/L (ppb)	50	108	22-164
Chloromethane	ug/L (ppb)	50	104	43-147
Vinyl chloride	ug/L (ppb)	50	114	48-142
Bromomethane	ug/L (ppb)	50	107	37-160
Chloroethane	ug/L (ppb)	50	111	28-161
Trichlorofluoromethane	ug/L (ppb)	50	113	52-143
Acetone	ug/L (ppb)	50	102	21-187
1,1-Dichloroethene	ug/L (ppb)	50	108	61-127
Methylene chloride	ug/L (ppb)	50	100	56-136
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	107	82-119
trans-1,2-Dichloroethene	ug/L (ppb)	50	105	78-118
1,1-Dichloroethane	ug/L (ppb)	50	102	78-117
2,2-Dichloropropane	ug/L (ppb)	50	114	62-139
cis-1,2-Dichloroethene	ug/L (ppb)	50	104	81-118
Chloroform	ug/L (ppb)	50	103	78-120
2-Butanone (MEK)	ug/L (ppb)	50	94	53-159
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	102	74-128
1,1,1-Trichloroethane	ug/L (ppb)	50	100	70-135
1,1-Dichloropropene	ug/L (ppb)	50	100	83-120
Carbon Tetrachloride	ug/L (ppb)	50	109	65-140
Benzene	ug/L (ppb)	50	99	79-115
Trichloroethene	ug/L (ppb)	50	100	80-114
1,2-Dichloropropane	ug/L (ppb)	50	104	80-117
Bromodichloromethane	ug/L (ppb)	50	106	79-127
Dibromomethane	ug/L (ppb)	50	105	85-116
4-Methyl-2-pentanone	ug/L (ppb)	50	105	57-163
cis-1,3-Dichloropropene	ug/L (ppb)	50	109	85-121
Toluene	ug/L (ppb)	50	98	82-116
trans-1,3-Dichloropropene	ug/L (ppb)	50	110	83-125
1,1,2-Trichloroethane	ug/L (ppb)	50	98	81-114
2-Hexanone	ug/L (ppb)	50	103	60-167
1,3-Dichloropropane	ug/L (ppb)	50	99	81-115
Tetrachloroethene	ug/L (ppb)	50	102	83-115
Dibromochloromethane	ug/L (ppb)	50	107	77-128
1,2-Dibromoethane (EDB)	ug/L (ppb)	50	102	81-117
Chlorobenzene	ug/L (ppb)	50	97	80-109
Ethylbenzene	ug/L (ppb)	50	98	82-113
1,1,1,2-Tetrachloroethane	ug/L (ppb)	50	106	74-126
m,p-Xylene	ug/L (ppb)	100	99	82-115
o-Xylene	ug/L (ppb)	50	100	83-116
Styrene	ug/L (ppb)	50	100	85-116
Isopropylbenzene	ug/L (ppb)	50	100	83-120
Bromoform	ug/L (ppb)	50	113	77-119
n-Propylbenzene	ug/L (ppb)	50	100	77-122
Bromobenzene	ug/L (ppb)	50	98	80-112
1,3,5-Trimethylbenzene	ug/L (ppb)	50	101	80-119
1,1,2,2-Tetrachloroethane	ug/L (ppb)	50	101	72-115
1,2,3-Trichloropropane	ug/L (ppb)	50	101	77-114
2-Chlorotoluene	ug/L (ppb)	50	98	76-116
4-Chlorotoluene	ug/L (ppb)	50	98	78-116
tert-Butylbenzene	ug/L (ppb)	50	100	77-121
1,2,4-Trimethylbenzene	ug/L (ppb)	50	100	80-120
sec-Butylbenzene	ug/L (ppb)	50	100	77-122
p-Isopropyltoluene	ug/L (ppb)	50	102	84-119
1,3-Dichlorobenzene	ug/L (ppb)	50	97	78-114
1,4-Dichlorobenzene	ug/L (ppb)	50	101	79-110
1,2-Dichlorobenzene	ug/L (ppb)	50	102	80-114
1,2-Dibromo-3-chloropropane	ug/L (ppb)	50	109	84-125
1,2,4-Trichlorobenzene	ug/L (ppb)	50	107	76-113
Hexachlorobutadiene	ug/L (ppb)	50	108	65-129
Naphthalene	ug/L (ppb)	50	107	68-114
1,2,3-Trichlorobenzene	ug/L (ppb)	50	107	74-124

FRIEDMAN & BRUYA, INC.**ENVIRONMENTAL CHEMISTS**

Date of Report: 07/02/08

Date Received: 06/17/08

Project: 001.0205.00010, F&BI 806198

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR PNA'S BY EPA METHOD 8270C SIM**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Naphthalene	ug/L (ppb)	5	83	72	68-101	14
Acenaphthylene	ug/L (ppb)	5	85	74	70-109	14
Acenaphthene	ug/L (ppb)	5	84	73	69-104	14
Fluorene	ug/L (ppb)	5	86	75	68-111	14
Phenanthrene	ug/L (ppb)	5	82	72	66-106	13
Anthracene	ug/L (ppb)	5	81	71	67-112	13
Fluoranthene	ug/L (ppb)	5	84	74	69-116	13
Pyrene	ug/L (ppb)	5	83	74	68-115	11
Benz(a)anthracene	ug/L (ppb)	5	75	66	65-102	13
Chrysene	ug/L (ppb)	5	78	70	66-103	11
Benzo(b)fluoranthene	ug/L (ppb)	5	83	74	70-117	11
Benzo(k)fluoranthene	ug/L (ppb)	5	82	71	64-116	14
Benzo(a)pyrene	ug/L (ppb)	5	84	74	68-116	13
Indeno(1,2,3-cd)pyrene	ug/L (ppb)	5	85	70	63-122	19
Dibenz(a,h)anthracene	ug/L (ppb)	5	84	72	66-116	15
Benzo(g,h,i)perylene	ug/L (ppb)	5	82	71	66-114	14

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/02/08

Date Received: 06/17/08

Project: 001.0205.00010, F&BI 806198

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR SEMIVOLATILES BY EPA METHOD 8270C**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Phenol	ug/L (ppb)	75	29	31	18-54	7
2-Chlorophenol	ug/L (ppb)	75	62	68	47-103	9
1,4-Dichlorobenzene	ug/L (ppb)	50	70	82	47-105	16
2-Methylphenol	ug/L (ppb)	75	61	68	43-93	11
N-Nitroso-di-n-propylamine	ug/L (ppb)	50	72	78	49-115	8
4-Methylphenol	ug/L (ppb)	75	51	57	35-86	11
2-Nitrophenol	ug/L (ppb)	75	73	83	56-104	13
2,4-Dimethylphenol	ug/L (ppb)	75	64	75	27-101	16
Benzoic acid	ug/L (ppb)	75	21	20	10-53	5
2,4-Dichlorophenol	ug/L (ppb)	75	83	83	52-108	0
1,2,4-Trichlorobenzene	ug/L (ppb)	50	70	79	49-108	12
Naphthalene	ug/L (ppb)	50	71	83	48-117	16
4-Chloro-3-methylphenol	ug/L (ppb)	75	73	82	48-110	12
Hexachlorocyclopentadiene	ug/L (ppb)	50	60	62	16-117	3
2,4,6-Trichlorophenol	ug/L (ppb)	75	70	79	41-120	12
2,4,5-Trichlorophenol	ug/L (ppb)	75	72	84	54-118	15
Acenaphthene	ug/L (ppb)	50	71	84	23-130	17
2,4-Dinitrophenol	ug/L (ppb)	75	75	76	38-135	1
2,4-Dinitrotoluene	ug/L (ppb)	50	74	84	49-121	13
4-Nitrophenol	ug/L (ppb)	75	37	39	16-64	5
4,6-Dinitro-2-methylphenol	ug/L (ppb)	75	84	88	32-148	5
Hexachlorobenzene	ug/L (ppb)	50	70	76	40-120	8
Pentachlorophenol	ug/L (ppb)	75	75	76	24-120	1
Pyrene	ug/L (ppb)	50	67	79	44-119	16
Benzo(a)pyrene	ug/L (ppb)	50	71	81	47-125	13

Note: The calibration verification result for 2-fluorophenol, 2,4,6-tribromophenol, hexachlorobenzene, pentachlorophenol, benzo(b)fluoranthene, and benzo(k)fluoranthene exceeded 15% deviation. The average deviation for all compounds was not greater than 15%; therefore, the initial calibration is considered valid.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/02/08

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Project: 001.0205.00010, F&BI 806198

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF WATER SAMPLES FOR POLYCHLORINATED
BIPHENYLS AS
AROCOR 1016/1260 BY EPA METHOD 8082**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	% Recovery LCS	% Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Aroclor 1016	ug/L (ppb)	2.5	73	69	52-135	6
Aroclor 1260	ug/L (ppb)	2.5	84	86	60-128	2

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 - More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - The analyte indicated was found in the method blank. The result should be considered an estimate.

fc - The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - The sample was extracted outside of holding time. Results should be considered estimates.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j - The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr - The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - The value reported exceeded the calibration range established for the analyte. The reported concentration should be considered an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The pattern of peaks present is not indicative of diesel.

y - The pattern of peaks present is not indicative of motor oil.

806 198

SAMPLE CHAIN OF CUSTODY

ME 06-17-08 13/BI4/DO4

Send Report To Mike StatonCompany SLR

Address _____

City, State, ZIP _____

Phone # (206) 283-8800 Fax # _____SAMPLERS (signature) K Sagan'skiPROJECT NAME/NO. 001.0205.0001D

PO # _____

REMARKS TPH Dx after silica gel cleanup

Crawley Marine SCS

get cleanup

Page # _____ of _____

TURNAROUND TIME

☒ Standard (2 Weeks)☐ RUSH

Rush charges authorized by: _____

SAMPLE DISPOSAL

☐ Dispose after 30 days☐ Return samples☐ Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	ANALYSES REQUESTED							Notes
						TPH-Diesel	TPH-Gasoline	RTX by 8021B	VOCs by 8260	SVOCs by 8270	IIIS	metals RPA & metals	
CMW1-061708	01A	6/17/08	1252	w	9	X	X		X	X		X	Park 8205M
CMW2-061708	02A		1245										
CMW3-061708	03A		1159										
CMW4-061708	04A		1200										
CMW5-061708	05A		1038										
CMW6-061708	06A		1040										
CMW7-061708	07A		1356										
	08A												Added a trace!
													Blank for Lab I.

Friedman & Bruyo, Inc.

3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

SIGNATURE

Relinquished to:

K Sagan'ski

Received by:

Eric Young

Relinquished to:

Received by:

PRINT NAME

K Sagan'ski

COMPANY

SLR

DATE

6/17/08 1440

TIME

6/17/08 1440

Samples received at _____ °C



2930 Westlake Ave N Suite 100
Seattle, WA 98109
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Analytical Resources, Inc.
Attn: Sue Dunninghoo
4611 South 134th Place, Suite 100
Tukwila, WA 98168

RE: SLIP 4 (SLR)
Fremont Project No: CHM080716-6
ARI Project No: NF72

July 25th, 2008

Sue:

Enclosed are the analytical results for the water samples delivered to Fremont Analytical on July 16th, 2008.

Examination of these samples was conducted for the presence of the following:

- ***Total Metals in Water by EPA Method 6020***

This application was performed under Washington State Department of Ecology accreditation parameters. All appropriate Quality Assurance / Quality Control method parameters have been applied.

Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical!

Sincerely,

Michael Dee
Sr. Chemist / Principal
mikedee@fremontanalytical.com

www.fremontanalytical.com



2930 Westlake Ave. N., Suite 100
Seattle, WA 98109

T: 206.352.3790

F: 206.352.7178

email: info@fremontanalytical.com

Analysis of Total Metals in Water by EPA Method 6020

Project: SLIP 4

Client: ARI

Client Project #: NF72

Lab Project #: CHM080717-6

EPA 6020 (µg/L)	MRL	Method Blank	LCS	CMW-1-071508	CMW-4-071508	CMW-5-071508
Date Extracted		7/17/08	7/17/08	7/17/08	7/17/08	7/17/08
Date Analyzed		7/17/08	7/17/08	7/17/08	7/17/08	7/17/08
Matrix				Water	Water	Water
Arsenic (As)	0.002	nd	102%	0.002	0.17	0.066
Lead (Pb)	0.002	nd	82%	nd	0.003	nd
Cadmium (Cd)	0.002	nd	78%	nd	nd	nd
Chromium (Cr)	0.003	nd	106%	0.003	0.007	0.02
Mercury (Hg)	0.001	nd	110%	nd	nd	nd
Silver (Ag)	0.010	nd	124%	nd	nd	nd
Selenium (Se)	0.010	nd	73%	0.024	0.019	0.02
Copper (Cu)	0.01	nd	101%	nd	0.004	nd
Barium (Ba)	0.01	nd	119%	0.038	0.085	0.024

"nd" Indicates no detection at the listed reporting limits

"int" Indicates that interference prevents determination

"*" Indicates estimated value

"MRL" Indicates Method Reporting Limit

"LCS" Indicates Laboratory Control Sample

"MS" Indicates Matrix Spike

"MSD" Indicates Matrix Spike Duplicate

"RPD" Indicates Relative Percent Difference

Acceptable RPD is determined to be less than 50%

Acceptable Recovery Limits:

LCS, LCSD, MS, MSD: 50% to 150%

Spike Concentration:

As, Cr, Ba = 100 µg/L

Cu = 100 µg/L

Pb = 50 µg/L

Se = 25 µg/L

Cd, Ag = µg/L

Hg = 5.0 µg/L

Analysis of Total Metals in Water by EPA Method 6020

Project: SLIP 4
 Client: ARI
 Client Project #: NF72
 Lab Project #: CHM080717-6

EPA 6020 (µg/L)	MRL	CMW-6-071508	CMW-7-071508	SEEP-1	SLIP4-071508
Date Extracted		7/17/08	7/17/08	7/17/08	7/17/08
Date Analyzed		7/17/08	7/17/08	7/17/08	7/17/08
Matrix		Water	Water	Water	Water
Arsenic (As)	0.002	0.018	nd	0.003	0.005
Lead (Pb)	0.002	0.005	nd	nd	nd
Cadmium (Cd)	0.002	nd	nd	nd	nd
Chromium (Cr)	0.003	0.09	0.003	nd	0.022
Mercury (Hg)	0.001	nd	nd	nd	nd
Silver (Ag)	0.010	nd	nd	nd	nd
Selenium (Se)	0.010	0.04	nd	0.017	0.046
Copper (Cu)	0.01	0.11	nd	nd	0.22
Barium (Ba)	0.01	0.091	0.01	0.008	0.01

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Analysis of Total Metals in Water by EPA Method 6020

Project: SLIP 4
 Client: ARI
 Client Project #: NF72
 Lab Project #: CHM080717-6

EPA 6020 (µg/L)	Duplicate		MS		MSD	
	MRL	SLIP4-071508	RPD	CMW-7-071508	CMW-7-071508	RPD
Date Extracted		7/17/08	%	7/17/08	7/17/08	%
Date Analyzed		7/17/08		7/17/08	7/17/08	
Matrix		Water		Water	Water	
Arsenic (As)	0.002	0.005	0%	100%	102%	2%
Lead (Pb)	0.002	nd		83%	86%	4%
Cadmium (Cd)	0.002	nd		84%	88%	5%
Chromium (Cr)	0.003	0.02	10%	90%	90%	0%
Mercury (Hg)	0.001	nd		96%	94%	2%
Silver (Ag)	0.010	nd		95%	98%	3%
Selenium (Se)	0.010	0.04	14%	130%	133%	2%
Copper (Cu)	0.01	0.21	5%	101%	97%	4%
Barium (Ba)	0.01	0.01	0%	124%	127%	2%

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Hg = 5.0 µg/L

SUBCONTRACTOR ANALYSIS REQUEST
CUSTODY TRANSFER 07/16/08



ARI Project: NF72

Laboratory: Fremont Analytical
Lab Contact: Sample Receiving
Lab Address: 2930 Westlake Ave N.
Seattle, WA 98103
Phone: 206-352-3790
Fax:

ARI Client: SLR
Project ID: SLIP 4
ARI PM: Sue Dunnihoo
Phone: 206-695-6207
Fax: 206-695-6201

Analytical Protocol: In-house
Special Instructions:

Requested Turn Around: 07/17/08
Fax Results (Y/N): email

Limits of Liability. Subcontractor is expected to perform all requested services in accordance with appropriate methodology following Standard Operating Procedures that meet standards for the industry. The total liability of ARI, its officers, agents, employees, or successors, arising out of or in connection with the requested services, shall not exceed the negotiated amount for said services. The agreement by the Subcontractor to perform services requested by ARI releases ARI from any liability in excess thereof, notwithstanding any provision to the contrary in any contract, purchase order or co-signed agreement between ARI and the Subcontractor.

ARI ID	Client ID/ Add'l ID	Sampled	Matrix	Bottles	Analyses
08-15711-NF72A	CMW-1-071508	07/15/08	Water	1	Metals (Sub)
Special Instructions: None					
08-15712-NF72B	CMW-4-071508	07/15/08	Water	1	Metals (Sub)
Special Instructions: None					
08-15713-NF72C	CMW-5-071508	07/15/08	Water	1	Metals (Sub)
Special Instructions: None					
08-15714-NF72D	CMW-6-071508	07/15/08	Water	1	Metals (Sub)
Special Instructions: None					
08-15715-NF72E	CMW-7-071508	07/15/08	Water	1	Metals (Sub)
Special Instructions: None					
08-15716-NF72F	SEEP-1	07/15/08	Water	1	Metals (Sub)
Special Instructions: None					
08-15717-NF72G	SLIP4-071508	07/15/08	Water	1	Metals (Sub)
Special Instructions: None					

Carrier <i>Courier</i>	Airbill	Date <i>7/16/08</i>
Relinquished by <i>Erik Rosarden</i>	Company <i>ARI</i>	Date <i>07/16/08</i>
Received by <i>[Signature]</i>	Company <i>Fremont</i>	Date <i>7/16/08</i>
		Time <i>14:33</i>
		Time <i>1430</i>