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PRELIMINARY SOIL AND GROUNDWATER SITE ASSESSMENT REPORT

PRECISION ENGINEERING

Project No. 0053.01.03

Prepa

August 5, 2005

MAUL FOSTER ALONGI INC.
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PRELIMINARY SOIL AND GROUNDWATER SITE ASSESSMENT REPORT

PRECISION ENGINEERING, INC.
1231 S. DIRECTOR STREET
SEATTLE, WASHINGTON

Prepared for

Precision Engineering, Inc.

August 5, 2005

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ACRONYMS AND ABBREVIATIONS

bgs	below ground surface
cis-1,2-DCE	cis-1,2-dichloroethene
CUL	cleanup level
DRO	diesel-range organics
Ecology	Washington State Department of Ecology
GRO	gasoline-range organics
IHS	indicator hazardous substances
MFA	Maul Foster & Alongi, Inc.
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
MRL	method reporting limits
MTCA	Model Toxics Control Act
Metro	Municipality of Metropolitan Seattle
µg/kg	micrograms per kilogram
µg/L	micrograms per liter
PAH	polycyclic aromatic hydrocarbons
PCB	polychlorinated biphenyl
POTW	publicly owned treatment works
Precision	Precision Engineering, Inc.
QA/QC	quality assurance/quality control
RRO	residual-range organics
TCE	trichloroethene
TPH	total petroleum hydrocarbons
USEPA	U.S. Environmental Protection Agency
VOC	volatile organic compound
WBZ	Water-bearing zone

1 INTRODUCTION

Maul Foster & Alongi, Inc. (MFA) has prepared this Preliminary Soil and Groundwater Assessment Report summarizing site characterization activities conducted in June 2005 at the former Precision Engineering, Inc. (Precision) site at 1231 S. Director Street, in Seattle, Washington (see Figure 1). The scope of work was designed to characterize the following features of interest at the site (see Figure 2):

- Containment vault holding former Plating Tanks 1 and 2
- Former Plating Tanks 3, 4, 5, and 6
- Large containment vault holding former Plating Tank 7 and caustic tanks
- Former floor trenches and drains
- Hydraulic cylinder test vault

Eleven Geoprobe™ borings (GP-1 through GP-11) were advanced at the site to characterize releases of hazardous substances near features of interest (see Figure 3). The site characterization procedures are summarized in Appendix A and were generally consistent with the scope of work described in the RI workplan (MFA, 2005).

GP-1 and GP-4 were advanced adjacent to former Plating Tanks 1 and 2. GP1, GP-2, GP-3, and GP-6 were advanced near former Plating Tanks 3, 4, 5, and 6. GP-7, GP-9, and GP-10 were advanced near the north side of the large containment vault that formerly held Plating Tank 7 and the caustic tanks. GP-11 was advanced in the northeast part of the warehouse near a floor drain. GP-5 was advanced near the hydraulic cylinder test vault near the west wall outside of the building. GP 8 was advanced in the former cylinder shop and west of former Plating Tank 1.

GP-1, GP-3, GP-9, GP-10, and GP-11 were advanced to the water table to collect soil samples only. GP-2, GP-4, GP-5, GP-6, GP-7, and GP-8 were advanced to the water table to collect soil and reconnaissance groundwater samples.

The work completed has identified hexavalent chromium and trivalent chromium in soil near former Plating Tanks 1 through 6 and the former floor trenches and drains at concentrations that exceed the Washington State Department of Ecology (Ecology)

Model Toxics Control Act (MTCA) Method A or Method B cleanup levels (CULs). Trichloroethene (TCE) was identified near former Plating Tanks 1 through 6 and near the floor trenches at concentrations that exceed the MTCA Method A CULs. The horizontal extent of these contaminants has not been fully characterized. Diesel, hexavalent chromium, dissolved total chromium, motor oil, TCE, and cis-1,2-dichloroethene have been detected in groundwater at concentrations that exceed MTCA Method A or Method B CULs. Additional investigation is necessary to fully characterize the extent of chromium, total petroleum hydrocarbons (TPH), and volatile organic compound (VOC) contamination in soil and groundwater.

2 SITE DESCRIPTION

2.1 Property Location and Description

The former Precision facility is located at 1231 S Director Street in Seattle, Washington (see Figure 1). The approximately 3.5-acre site is in King County, Washington, section 32, township 24 north, range 4 east, Willamette Meridian. The site is approximately 1,800 feet (less than 0.5 mile) west of the Duwamish River. The area surrounding the site is characterized by mixed industrial and residential use. The site is zoned I (Industrial). In addition to traditional industrial uses, this zoning classification allows uses that involve unrestricted access by the general public, including children, and that may involve the growing of food. Allowed uses under the Industrial zoning classification include daycares, eating and drinking places, museums, medical office/outpatient clinics, vocational schools, commuter parking lots, veterinary clinics, artist studios, farm product warehousing, growing and harvesting crops, and raising livestock.

A single 62,000-square-foot building is located at the Site. The east side of the building was constructed in 1968, and the west part was added in 1979. The building is surrounded by an asphalt parking lot.

Precision operated continuously at the property between 1968 and 2005. Precision ceased operations on March 1, 2005. Approximately 10,000 square feet of the west side of the building was leased to Baszile Metals Service, an aluminum distributorship, between approximately 1985 and 2003. Precision specialized in the manufacture and repair of large hydraulic cylinders, large rolls used in the manufacture of paper and metal sheet products, and other equipment. Services included precision grinding and polishing, honing, hard-chrome plating, milling, welding, and a large number of flame- and arc-applied metal coatings. Much of Precision's work involved the use of chromic acid.

2.2 Environmental Setting

The Precision facility is located at the base of a hill along S Director Street. The site is generally flat except for the northern and western edges of the property, which consist of an excavated slope. The property is located in the lowland area of the Duwamish River Estuary. The Duwamish River is approximately 1,800 feet (less than 0.5 mile) east of the site and flows north to Elliot Bay.

2.2.1 Geology

The site is underlain by localized fill up to 10 feet thick, alluvium, comprised of silt and sand (from the surface to a depth of approximately 40 feet), and dense, gravelly, sandy silt glacial till. Based on a cross section prepared by Sweet-Edwards/EMCON, Inc. (Precision, 1993), it appears that the silty sand fill and silt-and-sand alluvium are not present in the southwest part of the site. The June 2005 characterization activities generally confirmed the past investigation geologic findings. Figure 3 shows the boring locations in relation to former and current site features. The boring logs from the June 2005 characterization are included in Appendix B.

2.2.2 Hydrogeology

Two groundwater systems are present beneath the project site: (1) an unconfined alluvial water-bearing zone (WBZ) beneath the eastern side of the site that flows northeasterly toward the Duwamish River, and (2) a confined sand and gravel WBZ confined beneath the low permeability glacial till (which is also referred to as the advanced outwash WBZ) (Precision, 1993). East of the facility, the glacial till appears to hydraulically separate the two groundwater systems (Precision, 1993).

Four monitoring wells (MW-1 through MW-4) and two piezometers (P-1 and P-2) were installed at the site in June 1988 (see Figure 2). In past investigations, groundwater levels at the site ranged from 0 to 15.4 feet below ground surface (bgs) (Precision, 1993). The past investigations also indicated that MW-2 and MW-3 are in the alluvial WBZ, which occurs only in the western half of the site, and that MW-1 and MW-4 are in the advanced outwash WBZ. Past flow directions have been shown to be to the west with a slight northern component.

Depth-to-water measurements were collected at monitoring wells MW-1 through MW-4 during the June 2005 work before the start of groundwater sampling at each well (see Table 1). The piezometers could not be located during the June 2005 characterization. Table 1 summarizes static groundwater level elevations.

Figure 4 shows June 2005 water level elevations. Estimated potentiometric contours were not created for the water-bearing zones because only MW-2 and MW-3 were available from the alluvial WBZ, and in the advanced outwash WBZ MW-1 exhibited flowing artesian conditions and the casing for MW-4 was damaged and would not allow measurement.

Based on observations of water infiltrating from the alluvial WBZ into the deep pit around former tank 7, fluctuating tidal conditions affect groundwater levels at the site (Precision, 2005).

2.3 Features of Interest

2.3.1 Containment Vault Holding Former Plating Tanks 1 and 2

Former Plating Tanks 1 and 2 were installed in an in-ground containment vault in the southeast corner of the plating area in 1968, when the building was constructed (see Figure 2).

2.3.2 Former Plating Tanks 3, 4, 5, and 6

Former Plating Tanks 3, 4, 5, and 6 included one aboveground tank with a concrete curb around it and three in-ground tanks located in containment vaults (Neely, 2002). Two concrete-lined trenches penetrated the floor on both sides of the former tanks (see Figure 2).

2.3.3 Large Containment Vault Holding Plating Tank 7 and Caustic Tanks

The largest containment vault at the site was constructed in 1980 on the west side of the chrome-plating shop as part of the building expansion. The vault is approximately 24 feet long, 8 feet wide, and 16 feet deep. The vault held Plating Tank 7, a sodium hydroxide strip tank, and a sodium bicarbonate strip tank (see Figure 2). Tank 7 measured 9 feet long, 7.5 feet wide, and 16 feet deep.

2.3.4 Former Floor Trenches and Drains

Until 1985 or 1986, the floor drains and trenches in the chrome plating shop discharged to the Municipality of Metropolitan Seattle (Metro) publicly owned treatment works (POTW) sanitary sewer system. Precision Engineering was permitted by Metro to discharge chrome-plating rinse water from a small rinse tank to the POTW. By July 1986, Precision Engineering had sealed or otherwise disconnected the floor drains and trenches from the City sanitary sewer system and re-routed them to the containment vaults.

2.3.5 Hydraulic Cylinder Test Vault

A covered in-ground hydraulic cylinder test vault measuring approximately 4 feet in diameter and 25 feet deep is located outside the building, approximately 10 feet from the west wall of the building.

3 ANALYTICAL RESULTS

Selected soil samples were analyzed for total chromium by U.S. Environmental Protection Agency (USEPA) Method 6010B, for hexavalent chromium by USEPA Method 7195, for petroleum hydrocarbon scan by NWTPH-HCID, and for VOCs by USEPA Method 8260B. If gasoline-range organics (GRO) were detected, the samples were analyzed for lead by USEPA Method 6010B, and TPH concentrations were quantified using NWTPH-Gx. If diesel- or residual-range organics (DRO and RRO) were detected, the samples were analyzed for polycyclic aromatic hydrocarbons (PAHs) by USEPA Method 8270C-SIM, and TPH concentrations were quantified using NWTPH-Dx. One sample (with the highest PAH detection) was analyzed for polychlorinated biphenyls (PCBs) by USEPA Method 8082. Trivalent chromium was calculated for the soil samples by subtracting the hexavalent chromium results from the total chromium results.

Reconnaissance groundwater samples were collected from locations GP-2, GP-4, GP-5, GP-6, GP-7, and GP-8 to assess for potential groundwater impacts (see Figure 3). Reconnaissance groundwater samples were analyzed for dissolved total chromium by USEPA Method 6010B, for hexavalent chromium by USEPA Method 7195, for petroleum hydrocarbon scan by NWTPH-HCID, and for VOCs by USEPA Method 8260B. If GRO were detected, the samples were analyzed for dissolved lead by USEPA Method 6010B, and TPH concentrations were quantified using NWTPH-Gx. If DRO or RRO were detected, the samples were analyzed for PAHs by USEPA Method 8270C-SIM and TPH quantified using NWTPH-Dx. One reconnaissance groundwater sample (with the highest PAH detection) was analyzed for PCBs by USEPA Method 8082.

Groundwater samples from monitoring wells were analyzed for dissolved total chromium by USEPA Method 6010B, for hexavalent chromium by USEPA Method 7195, and VOCs by USEPA Method 8260B. Additional groundwater samples were collected from MW-2 for a petroleum hydrocarbon scan by NWTPH-HCID and for possible followup analyses that included lead, gasoline, diesel, motor oil, PAHs, and PCBs.

3.1 Data Quality

Appendix C contains the laboratory analytical reports, and the data quality assurance/quality control (QA/QC) reviews are in Appendix D. The data are considered acceptable for their intended use, with the appropriate data qualifiers assigned. Appendix

E contains the soil and groundwater field data sampling sheets from the investigation and Appendix F shows the development records for the monitoring wells.

3.2 Soil and Reconnaissance Groundwater Analytical Results

Tables 2, 3, and 4 summarize soil analytical results for metals, VOCs, and petroleum hydrocarbon analyses. Tables 5 through 10 summarize groundwater analytical results for dissolved total chromium, hexavalent chromium, lead, VOCs, PAHs, petroleum hydrocarbons, and PCB analyses. Sample locations are shown on Figure 3. The soil and groundwater analytical results are compared to the Ecology MTCA Method A soil CULs and MTCA Method B soil CULs (Ecology, 2001). The MTCA Method A and B CULs were used to evaluate site soil and groundwater conditions for the following reasons:

- The MTCA Method A soil CULs for unrestricted land uses are based on the protection of groundwater. Generally if soil concentrations exceed the MTCA Method B leaching to groundwater CULs Ecology will require an evaluation of the vapor intrusion pathway; therefore, the MTCA Method A soil CUL provide leaching to groundwater CULs that (based on experience on other sites) show no substantive difference to the CULs that would be calculated with MTCA Method B.

- The MTCA Method B soil CULs for unrestricted land use are based on the direct contact (ingestion only) pathway.

- The MTCA Method A and B groundwater CULs are based on the protection of potable groundwater uses and the values are generally similar. However, some analytes do not have CULs available in one or the other method, therefore by using both methods a more complete evaluation can be obtained.

The work completed has identified hexavalent chromium, trivalent chromium, and TCE in soil at concentrations that exceed the MTCA Method A or Method B CULs, and are therefore soil indicator hazardous substances (IHSs) for the site. Soil is impacted above MTCA CULs near the following features:

- Former Plating Tanks 1 and 2

- Former Plating Tanks 3, 4, 5, and 6

- Former trench drains

- Former cylinder shop

The work completed has identified hexavalent chromium, dissolved total chromium, cis-1,2-dichloroethene (cis-1,2-DCE), TCE, diesel, and motor oil in reconnaissance groundwater at concentrations that exceed the MTCA Method A or Method B CULs, and are therefore groundwater IHSs for the site. Reconnaissance groundwater is impacted above MTCA CULs near the following features or general areas:

- Former Plating Tanks 1 and 2
- Former Plating Tanks 3, 4, 5, and 6
- Former Plating Tank 7 and the caustic tank vault
- Former trench drains
- Former cylinder shop
- Hydraulic cylinder test vault

3.2.1 Former Plating Tanks 1 and 2

GP-1 and GP-4 were advanced north of former Plating Tanks 1 and 2 and GP-8 was advanced west of former Plating Tank 1 (see Figure 3). Soil samples were collected from the borings ranging in depth from 1.5 feet to 10.0 feet bgs and reconnaissance groundwater samples were collected from GP-4 and GP-8. Only one soil sample was collected and analyzed from each boring at GP-4 and GP-8 because groundwater was encountered at a depth of approximately 5.0 feet bgs in these borings.

Total chromium, trivalent chromium, hexavalent chromium, benzene, and toluene were detected in the soil samples analyzed from near the former Plating Tanks 1 and 2. Hexavalent chromium was detected in soil samples at concentrations ranging from 0.661 milligram per kilogram (mg/kg, GP-8 at 1.5 feet bgs) to 152 mg/kg (GP-1 at 1.5 feet bgs). Three of the four soil samples analyzed from GP-1 and GP-4 detected hexavalent chromium at concentrations that exceeded the MTCA Method A CUL, but are below the MTCA Method B CUL. Hexavalent chromium in the soil sample from GP-8 is below MTCA Method A and B CULs. Total chromium was detected in soil samples at concentrations up to 1,230 mg/kg. There are no MTCA Method A or Method B CULs for total chromium in soil. Trivalent chromium concentrations in soil samples were calculated to be up to 1,176.6 mg/kg, which is below MTCA Method A and Method B CULs. VOC analytes benzene and toluene were detected in a soil sample from GP-1 at 6 feet bgs but were below the MTCA Method A and B CULs. VOCs other than benzene and toluene were not detected at or above method reporting limits (MRLs) in the other soil samples near former Plating Tanks 1 and 2. TPH were not detected in the soil samples.

Analytes detected in the reconnaissance groundwater samples were as follows: dissolved total chromium, hexavalent chromium, cis-1,2-DCE, naphthalene, TCE, gasoline, and diesel. Concentrations of dissolved total chromium were 267 milligram per liter (mg/L, GP-4) and 355 mg/L (GP-8) and the detections in both samples exceeded the MTCA Method A CUL. Concentrations of hexavalent chromium were 236 mg/L (GP-4) and 294 mg/L (GP-8) and in both samples exceeded the MTCA Method B CULs. The concentration of TCE (16.8 microgram per liter [µg/L]) in the reconnaissance groundwater sample from GP-8 exceeded MTCA Method A and Method B CULs. TCE was not detected at or above the MRL in the reconnaissance groundwater sample from GP-4. Diesel was detected in both groundwater samples. The diesel concentration in GP-8 (0.814 mg/L) was above the MTCA Method A CUL of 0.5 µg/L, but the concentration in GP-4 was below the MTCA Method A CUL. Gasoline was detected in one of the samples (GP-8) but was below the MTCA Method A CUL of 0.8 µg/L and motor oil was not detected at or above the MRL. Cis-1,2-DCE and naphthalene were the only other VOC analytes detected at or above the MRLs (in GP-8), but their concentrations were below the MTCA Method A and B CULs. PAHs were not detected in the GP-4 sample at or above the MRL, but were detected in the sample from GP-8. The PAH detections were below the MTCA Method A and B CULs. PCBs were not detected in GP-8 at or above the MRLs.

3.2.2 Former Plating Tanks 3, 4, 5, and 6

Borings GP-1, GP-2, GP-3 and GP-6 were advanced near the former Plating Tanks 3, 4, 5, and 6 (see Figure 3). Soil samples were collected from the borings ranging in depth from 1.5 feet to 14.5 feet bgs and reconnaissance groundwater samples were collected from GP-2 and GP-6.

Total chromium, trivalent chromium, hexavalent chromium, cis-1,2-DCE, and TCE were detected in the soil samples analyzed from near the former Plating Tanks 3, 4, 5, and 6. Hexavalent chromium was detected in 9 of the 10 soil samples at concentrations ranging from 0.181 mg/kg (GP-6 at 14.5 feet bgs) to 627 mg/kg (GP-6 at 1.0 feet bgs). Seven of the nine soil samples with hexavalent chromium detections exceeded the MTCA Method A CUL and two of the concentrations (from GP-2 at 1.0 feet bgs and GP-6 at 1.0 feet bgs) also exceeded the MTCA Method B CUL. Trivalent chromium concentrations in soil samples were calculated to be between 24.9 mg/kg (GP-2 at 10.0 feet bgs) to 2,157 mg/kg (GP-2 at 1.0 feet bgs). One of the calculated trivalent chromium concentrations (from GP-2 at 1.0 feet bgs) exceeded the MTCA Method A CUL, but is below MTCA Method B CUL. TCE was only detected in the two soil samples from GP-6 at concentrations of 40.5 microgram per kilogram (µg/kg, 1.0 feet bgs) and 1,160 µg/kg (14.5 feet bgs). The detections of TCE in the GP-6 soil samples exceeded the MTCA Method A CUL, but did not exceed the MTCA Method B CUL. Chromium was detected in soil samples at concentrations up to 2,680 mg/kg (GP-2 at 1.0 feet bgs). There are no MTCA Method A

or Method B CULs for total chromium in soil. Cis-1,2-DCE, benzene, and toluene were the only other VOC analyte detected at or above the MRL; however, the concentrations were below the MTCA Method A and B CULs. TPH were not detected in the soil samples.

Groundwater was observed in borings near former Plating Tanks 3, 4, 5, and 6 at a depth of approximately 16.0 feet bgs. Analytes detected in the reconnaissance groundwater samples were as follows: dissolved total chromium, hexavalent chromium, gasoline, cis-1,2-DCE, and TCE. Dissolved total chromium was detected at concentrations of 37.1 mg/L (GP-2) and 343 (GP-6) and in both samples the concentrations exceeded the MTCA Method A CUL. Hexavalent chromium was detected in both samples at concentrations of 4.72 mg/L (GP-2) and 300 mg/L and both detections exceeded the MTCA Method B CUL of 0.048 mg/L. TCE and cis-1,2-DCE were detected in the GP-6 reconnaissance groundwater sample. The concentration of TCE in the sample from GP-6 is 1,130 µg/L and it exceeded the MTCA Method A and B CULs. The concentration of cis-1,2-DCE in the sample from GP-6 (144 µg/L) exceeded the MTCA Method B CUL. VOCs were not detected at or above the MRLs in the reconnaissance groundwater sample from GP-2. TPH were analyzed in the GP-2 and GP-6 samples but were not detected at or above the MRL. Lead was not detected at or above the MRL in GP-2.

3.2.3 Former Plating Tank 7 and Caustic Tank Vault

GP-7, GP-9 and GP-10 were advanced near the north side of the vault that held former Plating Tank 7 and other caustic tanks (see Figure 3). The depths of the soil samples ranged from 1.5 to 13.5 feet bgs, which is above the depth of the bottom of the vault (16 feet bgs). Deeper soil samples were not collected in borings GP-7 or GP-9 because groundwater was encountered at approximately 10 feet bgs and the soil became moist to saturated around 5 feet bgs in the borings. The soil in boring GP-10 became saturated at approximately 14.0 feet bgs. A reconnaissance groundwater sample was collected from GP-7.

Concentrations of hexavalent chromium and calculated concentrations of trivalent chromium in the soil samples are below MTCA Method A and Method B CULs. Total chromium was detected as high as 43.3 mg/kg (MW-9 at 2.0 feet bgs); however, there are no MTCA Method A or B CULs for total chromium. The only VOC analytes detected were 1,1-dichloroethene and methylene chloride in GP-10 at 1.5 feet bgs; however, the concentrations did not exceed the MTCA Method A or B CULs. TPH were not detected in the soil samples.

One reconnaissance groundwater sample was collected from GP-7. The detected concentration of hexavalent chromium (0.101 mg/L) was above the MTCA Method B CUL of 0.048 mg/L. There is no MTCA Method A CUL for hexavalent chromium in groundwater. Dissolved total chromium was not detected at or above the MRL of 0.02

mg/L. VOCs and TPH were not detected at or above the MRLs in the reconnaissance groundwater sample from GP-7.

3.2.4 Former Trench Drains

Samples collected from GP-1, GP-2, GP-3, and GP-6, which are near the former trench drains, are discussed above in Section 3.2.2. One additional boring (GP-11) was located near the trench drains in the former grinding shop area of the building (see Figure 3). Soil samples were collected at 2.0 feet and 6.5 feet bgs in GP-11.

TCE was detected in both samples at concentrations of 87.2 µg/kg (2.0 feet bgs) and 281 µg/kg (6.5 feet bgs). The TCE detections exceeded the MTCA Method A CUL, but were below the MTCA Method B CUL. Chromium compounds were detected in the soil samples but the concentrations were below MTCA Method A and B CULs. TPH were not detected in the soil samples.

3.2.5 Former Cylinder Shop

GP-8 was located in the former cylinder shop. Results from soil and groundwater samples collected from GP-8 are discussed above in Section 3.2.1.

3.2.6 Hydraulic Cylinder Test Vault

Two soil samples were collected and analyzed from depths of 1.5 and 14 feet bgs from boring GP-5, near the hydraulic cylinder test vault. A reconnaissance groundwater sample was also collected and analyzed from boring GP-5.

Total chromium was detected in the soil samples at concentrations up to 20.1 mg/kg; however, there are no MTCA Method A or B CULs available for total chromium. Hexavalent chromium, VOCs, and TPH were not detected in the soil samples at or above their respective MRLs.

The reconnaissance groundwater sample collected from GP-5 contained hexavalent chromium at a concentration of 0.0897 mg/L that exceeded the MTCA Method B CUL. VOCs, TPH, and dissolved total chromium were not detected at or above their respective MRLs.

3.3 Groundwater Analytical Results (Monitoring Wells)

Monitoring wells MW-1 through MW-4 were sampled. Tables 5 through 9summarize dissolved total chromium, hexavalent chromium, TPH, VOC, and PAH analytical results

for groundwater. The groundwater analytical results are compared with Ecology's MTCA Method A and Method B groundwater CULs (Ecology, 2001).

3.3.1 Chromium

Dissolved chromium and hexavalent chromium were not detected at or above the MRLs of 0.02 mg/L (chromium) and 0.01 mg/L (hexavalent chromium), except for hexavalent chromium in MW-1 (see Table 5). Hexavalent chromium was detected at 0.269 mg/L, which exceeds the MTCA Method B CUL. A MTCA Method A CUL for hexavalent chromium is not available.

3.3.2 Volatile Organic Compounds

VOC analytes were not detected at or above the MRLs (see Table 6).

3.3.3 Petroleum Hydrocarbons

The groundwater sample from MW-2 was analyzed using NWTPH-HCID and DRO and RRO were detected (see Table 7). The TPH detections were quantified using NWTPH-Gx and NWTPH-Dx.

Diesel and motor oil were detected in the groundwater sample from MW-2 at concentrations of 0.438 mg/L and 0.512 mg/L, respectively. The motor oil detection exceeded the MTCA Method A CUL of 0.5 mg/L but the diesel detection did not exceed the MTCA Method A CUL but. A generic MTCA Method B CUL is not available for diesel or motor oil. Gasoline was not detected above the MRL of 0.1 mg/L in MW-2 (see Table 8).

3.3.4 Polycyclic Aromatic Hydrocarbons

Followup analysis for PAHs was performed on the MW-2 groundwater sample because diesel and motor oil were detected. PAHs were not detected in the sample at or above the MRLs, except for naphthalene at 0.854 µg/L (see Table 9). The naphthalene detection did not exceed the MTCA Method A or B CULs.

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.

The purpose of an environmental assessment is to reasonably evaluate the potential for or actual impact of past practices on a given site area. In performing an environmental assessment, it is understood that a balance must be struck between a reasonable inquiry into the environmental issues and an exhaustive analysis of each conceivable issue of potential concern. The following paragraphs discuss the assumptions and parameters under which such an opinion is rendered.

No investigation is thorough enough to exclude the presence of hazardous materials at a given site. If hazardous conditions have not been identified during the assessment, such a finding should not, therefore, be construed as a guarantee of the absence of such materials on the site, but rather as the result of the services performed within the scope, limitations, and cost of the work performed.

Environmental conditions that cannot be identified by visual observation may exist at the site. Where subsurface work was performed, our professional opinions are based in part on interpretation of data from discrete sampling locations that may not represent actual conditions at unsampled locations.

Except where there is express concern of our client, or where specific environmental contaminants have been previously reported by others, naturally occurring toxic substances, potential environmental contaminates inside buildings, or contaminate concentrations that are not of current environmental concern may not be reflected in this document.

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TABLES

Table Notes
Groundwater and Soil Analytical Data
Precision Engineering, Inc.
Seattle, Washington

Bolding indicates concentrations that exceed one or more of the CULs.
-- = not analyzed.
CUL = cleanup level.
DET = detected using Northwest Total Petroleum Hydrocarbon identification scan.
ft. bgs = feet below ground surface.
mg/kg = milligrams per kilogram.
mg/L = milligrams per liter.
MTCA = Washington Department of Ecology's Model Toxics Control Act.
ug/kg = micrograms per kilogram.
ug/L = micrograms per liter.
NA = not available.
NC = not able to calculate.
ND = not detected using Northwest Total Petroleum Hydrocarbon identification scan.
U = not detected at or above the method reporting limit.
[a]Trivalent chromium concentrations were calculated by subtracting the hexavalent chromium value from the total chromium value. If hexavalent chromium was not detected, then the
[b]Cleanup level is for total 1,3-dichloropropene.
[c]Cleanup level is for total xylene.
[d]Cleanup level is for m-xylene.
[e]Cleanup level is for total naphthalene compounds, including naphthalene, 1-methyl naphthalene, and 2-methyl naphthalene.
[f]Cleanup level is for total polychlorinated biphenyls.

Table 1
Groundwater Elevations
Precision Engineering
Seattle, Washington

Well	Date	Measuring Point Elevation (MPE) (feet)	Depth to Water (feet MPE)	Water Level Elevation (feet)
MW-1	10-May-05	100.97	0[a]	100.97[a]
MW-2	10-May-05	99.03	4.71	94.32
MW-3	10-May-05	99.74	6.00	93.74
MW-4	10-May-05	100.47	6.18[b]	94.29[b]

Notes:
The MPE is an assumed elevation.
MPE = Measuring Point Elevation
[a] = Water elevation could not be accurately calculated becaese the well was a flowing artesian.
[b] = The depth to water may not be accurate because the casing appeared to be broken.

Table 2
Metals in Soil (mg/kg)
Precision Engineering, Inc.
Seattle, Washington

Location	Sample ID	Date	Depth (ft. bgs)	Chromium	Chromium (Hexavalent)	Chromium (Trivalent)[a]
MTCA Method A CULs for Unrestricted Land Use				NA	19	2,000
MTCA Method B Soil CULs				NA	240	120,000,000
GP1	GP1-S-1.5	6/7/2005	1.5	205	**152**	53
	GP1-S-6.0	6/7/2005	6	147	**31.8**	115.2
	GP1-S-10.0	6/9/2005	10	73.5	14.4	59.1
GP2	GP2-S-1.0	6/7/2005	1	2680	**523**	**2157**
	GP2-S-10.0	6/9/2005	10	24.9	0.109 U	24.9
GP3	GP3-S-2.0	6/9/2005	2	915	**27.7**	887.3
	GP3-S-6.0	6/9/2005	6	1100	**49.8**	1050.2
	GP3-S-14	6/9/2005	14	941	**34.4**	906.6
GP4	GP4-S-1.5	6/16/2005	1.5	1230	**53.4**	1176.6
GP5	GP5-S-1.5	6/16/2005	1.5	18.9	0.111 U	18.9
	GP5-S-14.0	6/16/2005	14	20.1	0.115 U	20.1
GP6	GP6-S-1.0	6/16/2005	1	584	**627**	NC
	GP6-S-14.5	6/16/2005	14.5	259	0.181	258.819
GP7	GP7-S-2.0	6/16/2005	2	23.6	0.119	23.481
	GP7-S-8.0	6/16/2005	8	21	0.113 U	21
GP8	GP8-S-1.5	6/16/2005	1.5	22.2	0.661	21.539
GP9	GP9-S-2.0	6/17/2005	2	43.3	2.97	40.33
GP10	GP10-S-1.5	6/17/2005	1.5	21.8	0.142	21.658
	GP10-S-13.5	6/17/2005	13.5	24.1	0.106 U	24.1
GP11	GP11-S-2.0	6/17/2005	2	21.7	0.573	21.127
	GP11-S-6.5	6/17/2005	6.5	17.3	0.37	16.93

Table 3
Volatile Organic Compounds in Soil (ug/kg)
Precision Engineering, Inc.
Seattle, Washington

Location	Sample ID	Date	Depth (ft. bgs)	1,1,1,2-Tetra-chloroethane	1,1,1-Trichloro-ethane	1,1,2,2-Tetra-chloroethane	1,1,2-Trichloro-ethane	1,1-Dichloro-ethane	1,1-Dichloro-ethene	1,1-Dichloro-propene	1,2,3-Trichloro-benzene
MTCA Method A CULs for Unrestricted Land Use				NA	2000	NA	NA	NA	NA	NA	NA
MTCA Method B Soil CULs				38500	72000000	5000	17500	8000000	1670	NA	NA
GP1	GP1-S-1.5	6/7/2005	1.5	0.839 U	0.839 U	0.839 U	0.839 U	0.839 U	0.839 U	0.839 U	0.839 U
	GP1-S-6.0	6/7/2005	6	1.12 U	1.12 U	1.12 U	1.12 U	1.12 U	1.12 U	1.12 U	1.12 U
	GP1-S-10.0	6/9/2005	10	38.2 U	7.65 U	7.65 U	38.2 U	38.2 U	7.65 U	38.2 U	38.2 U
GP2	GP2-S-1.0	6/7/2005	1	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U
	GP2-S-10.0	6/9/2005	10	44 U	8.81 U	8.81 U	44 U	44 U	8.81 U	44 U	44 U
GP3	GP3-S-2.0	6/9/2005	2	79.5 U	15.9 U	15.9 U	79.5 U	79.5 U	15.9 U	79.5 U	79.5 U
	GP3-S-6.0	6/9/2005	6	44.8 U	8.96 U	8.96 U	44.8 U	44.8 U	8.96 U	44.8 U	44.8 U
	GP3-S-14	6/9/2005	14	38.5 U	7.71 U	7.71 U	38.5 U	38.5 U	7.71 U	38.5 U	38.5 U
GP4	GP4-S-1.5	6/16/2005	1.5	51.7 U	10.3 U	10.3 U	51.7 U	51.7 U	10.3 U	51.7 U	51.7 U
GP5	GP5-S-1.5	6/16/2005	1.5	35.6 U	7.12 U	7.12 U	35.6 U	35.6 U	7.12 U	35.6 U	35.6 U
	GP5-S-8.0	6/16/2005	8	35.1 U	7.03 U	7.03 U	35.1 U	35.1 U	7.03 U	35.1 U	35.1 U
	GP5-S-14.0	6/16/2005	14	40.5 U	8.1 U	8.1 U	40.5 U	40.5 U	8.1 U	40.5 U	40.5 U
GP6	GP6-S-1.0	6/16/2005	1	42.5 U	8.5 U	8.5 U	42.5 U	42.5 U	8.5 U	42.5 U	42.5 U
	GP6-S-14.5	6/16/2005	14.5	41.4 U	8.28 U	8.28 U	41.4 U	41.4 U	8.28 U	41.4 U	41.4 U
GP7	GP7-S-2.0	6/16/2005	2	39 U	7.81 U	7.81 U	39 U	39 U	7.81 U	39 U	39 U
	GP7-S-8.0	6/16/2005	8	44.2 U	8.84 U	8.84 U	44.2 U	44.2 U	8.84 U	44.2 U	44.2 U
GP8	GP8-S-1.5	6/16/2005	1.5	49.3 U	9.86 U	9.86 U	49.3 U	49.3 U	9.86 U	49.3 U	49.3 U
GP9	GP9-S-2.0	6/17/2005	2	37.1 U	7.42 U	7.42 U	37.1 U	37.1 U	7.42 U	37.1 U	37.1 U
GP10	GP10-S-1.5	6/17/2005	1.5	55.8 U	11.2 U	11.2 U	55.8 U	55.8 U	23.7	55.8 U	55.8 U
	GP10-S-13.5	6/17/2005	13.5	39.8 U	7.96 U	7.96 U	39.8 U	39.8 U	7.96 U	39.8 U	39.8 U
GP11	GP11-S-2.0	6/17/2005	2	41.9 U	8.37 U	8.37 U	41.9 U	41.9 U	8.37 U	41.9 U	41.9 U
	GP11-S-6.5	6/17/2005	6.5	43 U	8.61 U	8.61 U	43 U	43 U	8.61 U	43 U	43 U

Table 3
Volatile Organic Compounds in Soil (ug/kg)
Precision Engineering, Inc.
Seattle, Washington

Location	Sample ID	Date	Depth (ft. bgs)	1,2,3-Trichloro-propane	1,2,4-Trichloro-benzene	1,2,4-Trimethyl-benzene	1,2-Dibromo-3-chloropropane	1,2-Dibromo-ethane	1,2-Dichloro-benzene	1,2-Dichloro-ethane	1,2-Dichloro-propane
MTCA Method A CULs for Unrestricted Land Use				NA	NA	NA	NA	NA	NA	NA	NA
MTCA Method B Soil CULs				143	800000	NA	714	11.8	7200000	11000	14700
GP1	GP1-S-1.5	6/7/2005	1.5	0.839 U	0.839 U	0.839 U	0.839 U	0.839 U	0.839 U	0.839 U	0.839 U
	GP1-S-6.0	6/7/2005	6	1.12 U	1.12 U	1.12 U	1.12 U	1.12 U	1.12 U	1.12 U	1.12 U
	GP1-S-10.0	6/9/2005	10	7.65 U	38.2 U	38.2 U	38.2 U	1.4 U	38.2 U	7.65 U	7.65 U
GP2	GP2-S-1.0	6/7/2005	1	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U
	GP2-S-10.0	6/9/2005	10	8.81 U	44 U	44 U	44 U	1.61 U	44 U	8.81 U	8.81 U
GP3	GP3-S-2.0	6/9/2005	2	15.9 U	79.5 U	79.5 U	79.5 U	2.91 U	79.5 U	15.9 U	15.9 U
	GP3-S-6.0	6/9/2005	6	8.96 U	44.8 U	44.8 U	44.8 U	1.64 U	44.8 U	8.96 U	8.96 U
	GP3-S-14	6/9/2005	14	7.71 U	38.5 U	38.5 U	38.5 U	1.41 U	38.5 U	7.71 U	7.71 U
GP4	GP4-S-1.5	6/16/2005	1.5	10.3 U	51.7 U	51.7 U	51.7 U	1.89 U	51.7 U	10.3 U	10.3 U
GP5	GP5-S-1.5	6/16/2005	1.5	7.12 U	35.6 U	35.6 U	35.6 U	1.3 U	35.6 U	7.12 U	7.12 U
	GP5-S-8.0	6/16/2005	8	7.03 U	35.1 U	35.1 U	35.1 U	1.29 U	35.1 U	7.03 U	7.03 U
	GP5-S-14.0	6/16/2005	14	8.1 U	40.5 U	40.5 U	40.5 U	1.48 U	40.5 U	8.1 U	8.1 U
GP6	GP6-S-1.0	6/16/2005	1	8.5 U	42.5 U	42.5 U	42.5 U	1.56 U	42.5 U	8.5 U	8.5 U
	GP6-S-14.5	6/16/2005	14.5	8.28 U	41.4 U	41.4 U	41.4 U	1.51 U	41.4 U	8.28 U	8.28 U
GP7	GP7-S-2.0	6/16/2005	2	7.81 U	39 U	39 U	39 U	1.43 U	39 U	7.81 U	7.81 U
	GP7-S-8.0	6/16/2005	8	8.84 U	44.2 U	44.2 U	44.2 U	1.62 U	44.2 U	8.84 U	8.84 U
GP8	GP8-S-1.5	6/16/2005	1.5	9.86 U	49.3 U	49.3 U	49.3 U	1.8 U	49.3 U	9.86 U	9.86 U
GP9	GP9-S-2.0	6/17/2005	2	7.42 U	37.1 U	37.1 U	37.1 U	1.36 U	37.1 U	7.42 U	7.42 U
GP10	GP10-S-1.5	6/17/2005	1.5	11.2 U	55.8 U	55.8 U	55.8 U	2.04 U	55.8 U	11.2 U	11.2 U
	GP10-S-13.5	6/17/2005	13.5	7.96 U	39.8 U	39.8 U	39.8 U	1.46 U	39.8 U	7.96 U	7.96 U
GP11	GP11-S-2.0	6/17/2005	2	8.37 U	41.9 U	41.9 U	41.9 U	1.53 U	41.9 U	8.37 U	8.37 U
	GP11-S-6.5	6/17/2005	6.5	8.61 U	43 U	43 U	43 U	1.58 U	43 U	8.61 U	8.61 U

Table 3
Volatile Organic Compounds in Soil (ug/kg)
Precision Engineering, Inc.
Seattle, Washington

Location	Sample ID	Date	Depth (ft. bgs)	1,3,5-Trimethyl-benzene	1,3-Dichloro-benzene	1,3-Dichloro-propane	1,4-Dichloro-benzene	2,2-Dichloro-propane	2-Chlorotoluene	4-Chlorotoluene	4-Isopropyl-toluene
MTCA Method A CULs for Unrestricted Land Use				NA	NA	NA	NA	NA	NA	NA	NA
MTCA Method B Soil CULs				NA	NA	NA	41700	NA	1600000	NA	NA
GP1	GP1-S-1.5	6/7/2005	1.5	0.839 U	0.839 U	0.839 U	0.839 U	0.839 U	0.839 U	0.839 U	0.839 U
	GP1-S-6.0	6/7/2005	6	1.12 U	1.12 U	1.12 U	1.12 U	1.12 U	1.12 U	1.12 U	1.12 U
	GP1-S-10.0	6/9/2005	10	7.65 U	38.2 U	7.65 U	38.2 U	38.2 U	38.2 U	38.2 U	38.2 U
GP2	GP2-S-1.0	6/7/2005	1	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U
	GP2-S-10.0	6/9/2005	10	8.81 U	44 U	8.81 U	44 U	44 U	44 U	44 U	44 U
GP3	GP3-S-2.0	6/9/2005	2	15.9 U	79.5 U	15.9 U	79.5 U	79.5 U	79.5 U	79.5 U	79.5 U
	GP3-S-6.0	6/9/2005	6	8.96 U	44.8 U	8.96 U	44.8 U	44.8 U	44.8 U	44.8 U	44.8 U
	GP3-S-14	6/9/2005	14	7.71 U	38.5 U	7.71 U	38.5 U	38.5 U	38.5 U	38.5 U	38.5 U
GP4	GP4-S-1.5	6/16/2005	1.5	10.3 U	51.7 U	10.3 U	51.7 U	51.7 U	51.7 U	51.7 U	51.7 U
GP5	GP5-S-1.5	6/16/2005	1.5	7.12 U	35.6 U	7.12 U	35.6 U	35.6 U	35.6 U	35.6 U	35.6 U
	GP5-S-8.0	6/16/2005	8	7.03 U	35.1 U	7.03 U	35.1 U	35.1 U	35.1 U	35.1 U	35.1 U
	GP5-S-14.0	6/16/2005	14	8.1 U	40.5 U	8.1 U	40.5 U	40.5 U	40.5 U	40.5 U	40.5 U
GP6	GP6-S-1.0	6/16/2005	1	8.5 U	42.5 U	8.5 U	42.5 U	42.5 U	42.5 U	42.5 U	42.5 U
	GP6-S-14.5	6/16/2005	14.5	8.28 U	41.4 U	8.28 U	41.4 U	41.4 U	41.4 U	41.4 U	41.4 U
GP7	GP7-S-2.0	6/16/2005	2	7.81 U	39 U	7.81 U	39 U	39 U	39 U	39 U	39 U
	GP7-S-8.0	6/16/2005	8	8.84 U	44.2 U	8.84 U	44.2 U	44.2 U	44.2 U	44.2 U	44.2 U
GP8	GP8-S-1.5	6/16/2005	1.5	9.86 U	49.3 U	9.86 U	49.3 U	49.3 U	49.3 U	49.3 U	49.3 U
GP9	GP9-S-2.0	6/17/2005	2	7.42 U	37.1 U	7.42 U	37.1 U	37.1 U	37.1 U	37.1 U	37.1 U
GP10	GP10-S-1.5	6/17/2005	1.5	11.2 U	55.8 U	11.2 U	55.8 U	55.8 U	55.8 U	55.8 U	55.8 U
	GP10-S-13.5	6/17/2005	13.5	7.96 U	39.8 U	7.96 U	39.8 U	39.8 U	39.8 U	39.8 U	39.8 U
GP11	GP11-S-2.0	6/17/2005	2	8.37 U	41.9 U	8.37 U	41.9 U	41.9 U	41.9 U	41.9 U	41.9 U
	GP11-S-6.5	6/17/2005	6.5	8.61 U	43 U	8.61 U	43 U	43 U	43 U	43 U	43 U

Table 3
Volatile Organic Compounds in Soil (ug/kg)
Precision Engineering, Inc.
Seattle, Washington

Location	Sample ID	Date	Depth (ft. bgs)	Benzene	Bromobenzene	Bromodichloro-methane	Bromoform	Bromomethane	Carbon Tetrachloride	Chlorobenzene	Chlorobromo-methane
MTCA Method A CULs for Unrestricted Land Use				30	NA	NA	NA	NA	NA	NA	NA
MTCA Method B Soil CULs				18200	NA	16100	127000	112000	7690	1600000	NA
GP1	GP1-S-1.5	6/7/2005	1.5	0.839 U	0.839 U	0.839 U	0.839 U	0.839 U	0.839 U	0.839 U	0.839 U
	GP1-S-6.0	6/7/2005	6	2.55	1.12 U	1.12 U	1.12 U	1.12 U	1.12 U	1.12 U	1.12 U
	GP1-S-10.0	6/9/2005	10	7.65 U	38.2 U	38.2 U	38.2 U	38.2 U	7.65 U	38.2 U	38.2 U
GP2	GP2-S-1.0	6/7/2005	1	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U
	GP2-S-10.0	6/9/2005	10	8.81 U	44 U	44 U	44 U	44 U	8.81 U	44 U	44 U
GP3	GP3-S-2.0	6/9/2005	2	15.9 U	79.5 U	79.5 U	79.5 U	79.5 U	15.9 U	79.5 U	79.5 U
	GP3-S-6.0	6/9/2005	6	8.96 U	44.8 U	44.8 U	44.8 U	44.8 U	8.96 U	44.8 U	44.8 U
	GP3-S-14	6/9/2005	14	7.71 U	38.5 U	38.5 U	38.5 U	38.5 U	7.71 U	38.5 U	38.5 U
GP4	GP4-S-1.5	6/16/2005	1.5	10.3 U	51.7 U	51.7 U	51.7 U	51.7 U	10.3 U	51.7 U	51.7 U
GP5	GP5-S-1.5	6/16/2005	1.5	7.12 U	35.6 U	35.6 U	35.6 U	35.6 U	7.12 U	35.6 U	35.6 U
	GP5-S-8.0	6/16/2005	8	7.03 U	35.1 U	35.1 U	35.1 U	35.1 U	7.03 U	35.1 U	35.1 U
	GP5-S-14.0	6/16/2005	14	8.1 U	40.5 U	40.5 U	40.5 U	40.5 U	8.1 U	40.5 U	40.5 U
GP6	GP6-S-1.0	6/16/2005	1	8.5 U	42.5 U	42.5 U	42.5 U	42.5 U	8.5 U	42.5 U	42.5 U
	GP6-S-14.5	6/16/2005	14.5	8.28 U	41.4 U	41.4 U	41.4 U	41.4 U	8.28 U	41.4 U	41.4 U
GP7	GP7-S-2.0	6/16/2005	2	7.81 U	39 U	39 U	39 U	39 U	7.81 U	39 U	39 U
	GP7-S-8.0	6/16/2005	8	8.84 U	44.2 U	44.2 U	44.2 U	44.2 U	8.84 U	44.2 U	44.2 U
GP8	GP8-S-1.5	6/16/2005	1.5	9.86 U	49.3 U	49.3 U	49.3 U	49.3 U	9.86 U	49.3 U	49.3 U
GP9	GP9-S-2.0	6/17/2005	2	7.42 U	37.1 U	37.1 U	37.1 U	37.1 U	7.42 U	37.1 U	37.1 U
GP10	GP10-S-1.5	6/17/2005	1.5	11.2 U	55.8 U	55.8 U	55.8 U	55.8 U	11.2 U	55.8 U	55.8 U
	GP10-S-13.5	6/17/2005	13.5	7.96 U	39.8 U	39.8 U	39.8 U	39.8 U	7.96 U	39.8 U	39.8 U
GP11	GP11-S-2.0	6/17/2005	2	8.37 U	41.9 U	41.9 U	41.9 U	41.9 U	8.37 U	41.9 U	41.9 U
	GP11-S-6.5	6/17/2005	6.5	8.61 U	43 U	43 U	43 U	43 U	8.61 U	43 U	43 U

Table 3
Volatile Organic Compounds in Soil (ug/kg)
Precision Engineering, Inc.
Seattle, Washington

Location	Sample ID	Date	Depth (ft. bgs)	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloro-propene	Dibromo-chloromethane
MTCA Method A CULs for Unrestricted Land Use				NA	NA	NA	NA	NA	NA
MTCA Method B Soil CULs				NA	164000	76900	800000	5560[b]	11900
GP1	GP1-S-1.5	6/7/2005	1.5	0.839 U	0.839 U	0.839 U	0.839 U	0.839 U	0.839 U
	GP1-S-6.0	6/7/2005	6	1.12 U	1.12 U	1.12 U	1.12 U	1.12 U	1.12 U
	GP1-S-10.0	6/9/2005	10	76.5 U	38.2 U	38.2 U	38.2 U	38.2 U	38.2 U
GP2	GP2-S-1.0	6/7/2005	1	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U
	GP2-S-10.0	6/9/2005	10	88.1 U	44 U	44 U	44 U	44 U	44 U
GP3	GP3-S-2.0	6/9/2005	2	159 U	79.5 U	79.5 U	79.5 U	79.5 U	79.5 U
	GP3-S-6.0	6/9/2005	6	89.6 U	44.8 U	44.8 U	44.8 U	44.8 U	44.8 U
	GP3-S-14	6/9/2005	14	77.1 U	38.5 U	38.5 U	38.5 U	38.5 U	38.5 U
GP4	GP4-S-1.5	6/16/2005	1.5	103 U	51.7 U	51.7 U	51.7 U	51.7 U	51.7 U
GP5	GP5-S-1.5	6/16/2005	1.5	71.2 U	35.6 U	35.6 U	35.6 U	35.6 U	35.6 U
	GP5-S-8.0	6/16/2005	8	70.3 U	35.1 U	35.1 U	35.1 U	35.1 U	35.1 U
	GP5-S-14.0	6/16/2005	14	81 U	40.5 U	40.5 U	40.5 U	40.5 U	40.5 U
GP6	GP6-S-1.0	6/16/2005	1	85 U	42.5 U	42.5 U	42.5 U	42.5 U	42.5 U
	GP6-S-14.5	6/16/2005	14.5	82.8 U	41.4 U	41.4 U	149	41.4 U	41.4 U
GP7	GP7-S-2.0	6/16/2005	2	78.1 U	39 U	39 U	39 U	39 U	39 U
	GP7-S-8.0	6/16/2005	8	88.4 U	44.2 U	44.2 U	44.2 U	44.2 U	44.2 U
GP8	GP8-S-1.5	6/16/2005	1.5	98.6 U	49.3 U	49.3 U	49.3 U	49.3 U	49.3 U
GP9	GP9-S-2.0	6/17/2005	2	74.2 U	37.1 U	37.1 U	37.1 U	37.1 U	37.1 U
GP10	GP10-S-1.5	6/17/2005	1.5	112 U	55.8 U	55.8 U	55.8 U	55.8 U	55.8 U
	GP10-S-13.5	6/17/2005	13.5	79.6 U	39.8 U	39.8 U	39.8 U	39.8 U	39.8 U
GP11	GP11-S-2.0	6/17/2005	2	83.7 U	41.9 U	41.9 U	41.9 U	41.9 U	41.9 U
	GP11-S-6.5	6/17/2005	6.5	86.1 U	43 U	43 U	78.8	43 U	43 U

Table 3
Volatile Organic Compounds in Soil (ug/kg)
Precision Engineering, Inc.
Seattle, Washington

Location	Sample ID	Date	Depth (ft. bgs)	Dibromo-methane	Dichloro-difluoromethane	Ethylbenzene	Hexachloro-butadiene	Isopropyl-benzene	m,p-Xylene	Methylene chloride
MTCA Method A CULs for Unrestricted Land Use				NA	NA	6000	NA	NA	9000[c]	20
MTCA Method B Soil CULs				800000	16000000	8000000	12800	8000000	160000000[d]	133000
GP1	GP1-S-1.5	6/7/2005	1.5	0.839 U	0.839 U	0.839 U	0.839 U	0.839 U	1.68 U	0.839 U
	GP1-S-6.0	6/7/2005	6	1.12 U	1.12 U	1.12 U	1.12 U	1.12 U	2.24 U	1.12 U
	GP1-S-10.0	6/9/2005	10	38.2 U	38.2 U	38.2 U	38.2 U	38.2 U	76.5 U	7.65 U
GP2	GP2-S-1.0	6/7/2005	1	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U	1.92 U	0.96 U
	GP2-S-10.0	6/9/2005	10	44 U	44 U	44 U	44 U	44 U	88.1 U	8.81 U
GP3	GP3-S-2.0	6/9/2005	2	79.5 U	79.5 U	79.5 U	79.5 U	79.5 U	159 U	15.9 U
	GP3-S-6.0	6/9/2005	6	44.8 U	44.8 U	44.8 U	44.8 U	44.8 U	89.6 U	8.96 U
	GP3-S-14	6/9/2005	14	38.5 U	38.5 U	38.5 U	38.5 U	38.5 U	77.1 U	7.71 U
GP4	GP4-S-1.5	6/16/2005	1.5	51.7 U	51.7 U	51.7 U	51.7 U	51.7 U	103 U	10.3 U
GP5	GP5-S-1.5	6/16/2005	1.5	35.6 U	35.6 U	35.6 U	35.6 U	35.6 U	71.2 U	7.12 U
	GP5-S-8.0	6/16/2005	8	35.1 U	35.1 U	35.1 U	35.1 U	35.1 U	70.3 U	7.03 U
	GP5-S-14.0	6/16/2005	14	40.5 U	40.5 U	40.5 U	40.5 U	40.5 U	81 U	8.1 U
GP6	GP6-S-1.0	6/16/2005	1	42.5 U	42.5 U	42.5 U	42.5 U	42.5 U	85 U	8.5 U
	GP6-S-14.5	6/16/2005	14.5	41.4 U	41.4 U	41.4 U	41.4 U	41.4 U	82.8 U	8.28 U
GP7	GP7-S-2.0	6/16/2005	2	39 U	39 U	39 U	39 U	39 U	78.1 U	7.81 U
	GP7-S-8.0	6/16/2005	8	44.2 U	44.2 U	44.2 U	44.2 U	44.2 U	88.4 U	8.84 U
GP8	GP8-S-1.5	6/16/2005	1.5	49.3 U	49.3 U	49.3 U	49.3 U	49.3 U	98.6 U	9.86 U
GP9	GP9-S-2.0	6/17/2005	2	37.1 U	37.1 U	37.1 U	37.1 U	37.1 U	74.2 U	7.42 U
GP10	GP10-S-1.5	6/17/2005	1.5	55.8 U	55.8 U	55.8 U	55.8 U	55.8 U	112 U	17.9
	GP10-S-13.5	6/17/2005	13.5	39.8 U	39.8 U	39.8 U	39.8 U	39.8 U	79.6 U	7.96 U
GP11	GP11-S-2.0	6/17/2005	2	41.9 U	41.9 U	41.9 U	41.9 U	41.9 U	83.7 U	8.37 U
	GP11-S-6.5	6/17/2005	6.5	43 U	43 U	43 U	43 U	43 U	86.1 U	8.61 U

Table 3
Volatile Organic Compounds in Soil (ug/kg)
Precision Engineering, Inc.
Seattle, Washington

Location	Sample ID	Date	Depth (ft. bgs)	Naphthalene	n-Butyl-benzene	n-Propyl-benzene	o-Xylene	sec-Butyl-benzene	Styrene	tert-Butyl-benzene
MTCA Method A CULs for Unrestricted Land Use				5,000[e]	NA	NA	9000[d]	NA	NA	NA
MTCA Method B Soil CULs				1600000	NA	NA	160000000	NA	33300	NA
GP1	GP1-S-1.5	6/7/2005	1.5	0.839 U	0.839 U	0.839 U	0.839 U	0.839 U	0.839 U	0.839 U
	GP1-S-6.0	6/7/2005	6	1.12 U	1.12 U	1.12 U	1.12 U	1.12 U	1.12 U	1.12 U
	GP1-S-10.0	6/9/2005	10	38.2 U	38.2 U	38.2 U	38.2 U	38.2 U	38.2 U	38.2 U
GP2	GP2-S-1.0	6/7/2005	1	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U
	GP2-S-10.0	6/9/2005	10	44 U	44 U	44 U	44 U	44 U	44 U	44 U
GP3	GP3-S-2.0	6/9/2005	2	79.5 U	79.5 U	79.5 U	79.5 U	79.5 U	79.5 U	79.5 U
	GP3-S-6.0	6/9/2005	6	44.8 U	44.8 U	44.8 U	44.8 U	44.8 U	44.8 U	44.8 U
	GP3-S-14	6/9/2005	14	38.5 U	38.5 U	38.5 U	38.5 U	38.5 U	38.5 U	38.5 U
GP4	GP4-S-1.5	6/16/2005	1.5	51.7 U	51.7 U	51.7 U	51.7 U	51.7 U	51.7 U	51.7 U
GP5	GP5-S-1.5	6/16/2005	1.5	35.6 U	35.6 U	35.6 U	35.6 U	35.6 U	35.6 U	35.6 U
	GP5-S-8.0	6/16/2005	8	35.1 U	35.1 U	35.1 U	35.1 U	35.1 U	35.1 U	35.1 U
	GP5-S-14.0	6/16/2005	14	40.5 U	40.5 U	40.5 U	40.5 U	40.5 U	40.5 U	40.5 U
GP6	GP6-S-1.0	6/16/2005	1	42.5 U	42.5 U	42.5 U	42.5 U	42.5 U	42.5 U	42.5 U
	GP6-S-14.5	6/16/2005	14.5	41.4 U	41.4 U	41.4 U	41.4 U	41.4 U	41.4 U	41.4 U
GP7	GP7-S-2.0	6/16/2005	2	39 U	39 U	39 U	39 U	39 U	39 U	39 U
	GP7-S-8.0	6/16/2005	8	44.2 U	44.2 U	44.2 U	44.2 U	44.2 U	44.2 U	44.2 U
GP8	GP8-S-1.5	6/16/2005	1.5	49.3 U	49.3 U	49.3 U	49.3 U	49.3 U	49.3 U	49.3 U
GP9	GP9-S-2.0	6/17/2005	2	37.1 U	37.1 U	37.1 U	37.1 U	37.1 U	37.1 U	37.1 U
GP10	GP10-S-1.5	6/17/2005	1.5	55.8 U	55.8 U	55.8 U	55.8 U	55.8 U	55.8 U	55.8 U
	GP10-S-13.5	6/17/2005	13.5	39.8 U	39.8 U	39.8 U	39.8 U	39.8 U	39.8 U	39.8 U
GP11	GP11-S-2.0	6/17/2005	2	41.9 U	41.9 U	41.9 U	41.9 U	41.9 U	41.9 U	41.9 U
	GP11-S-6.5	6/17/2005	6.5	43 U	43 U	43 U	43 U	43 U	43 U	43 U

Table 3
Volatile Organic Compounds in Soil (ug/kg)
Precision Engineering, Inc.
Seattle, Washington

Location	Sample ID	Date	Depth (ft. bgs)	Tetra-chloroethene	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloro-propene	Trichloro-ethene	Trichloro-fluoromethane	Vinyl chloride
MTCA Method A CULs for Unrestricted Land Use				50	7000	NA	NA	30	NA	NA
MTCA Method B Soil CULs				19600	16000000	1600000	5560[b]	90900	24000000	667
GP1	GP1-S-1.5	6/7/2005	1.5	0.839 U	0.839 U	0.839 U	0.839 U	0.839 U	0.839 U	0.839 U
	GP1-S-6.0	6/7/2005	6	1.12 U	1.62	1.12 U	1.12 U	1.12 U	1.12 U	1.12 U
	GP1-S-10.0	6/9/2005	10	7.65 U	38.2 U	38.2 U	38.2 U	7.65 U	38.2 U	7.65 U
GP2	GP2-S-1.0	6/7/2005	1	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U
	GP2-S-10.0	6/9/2005	10	8.81 U	44 U	44 U	44 U	8.81 U	44 U	8.81 U
GP3	GP3-S-2.0	6/9/2005	2	15.9 U	79.5 U	79.5 U	79.5 U	15.9 U	79.5 U	15.9 U
	GP3-S-6.0	6/9/2005	6	8.96 U	44.8 U	44.8 U	44.8 U	8.96 U	44.8 U	8.96 U
	GP3-S-14	6/9/2005	14	7.71 U	38.5 U	38.5 U	38.5 U	7.71 U	38.5 U	7.71 U
GP4	GP4-S-1.5	6/16/2005	1.5	10.3 U	51.7 U	51.7 U	51.7 U	10.3 U	51.7 U	10.3 U
GP5	GP5-S-1.5	6/16/2005	1.5	7.12 U	35.6 U	35.6 U	35.6 U	7.12 U	35.6 U	7.12 U
	GP5-S-8.0	6/16/2005	8	7.03 U	35.1 U	35.1 U	35.1 U	7.03 U	35.1 U	7.03 U
	GP5-S-14.0	6/16/2005	14	8.1 U	40.5 U	40.5 U	40.5 U	8.1 U	40.5 U	8.1 U
GP6	GP6-S-1.0	6/16/2005	1	8.5 U	42.5 U	42.5 U	42.5 U	**40.5**	42.5 U	8.5 U
	GP6-S-14.5	6/16/2005	14.5	8.28 U	41.4 U	41.4 U	41.4 U	**1160**	41.4 U	8.28 U
GP7	GP7-S-2.0	6/16/2005	2	7.81 U	39 U	39 U	39 U	7.81 U	39 U	7.81 U
	GP7-S-8.0	6/16/2005	8	8.84 U	44.2 U	44.2 U	44.2 U	8.84 U	44.2 U	8.84 U
GP8	GP8-S-1.5	6/16/2005	1.5	9.86 U	49.3 U	49.3 U	49.3 U	9.86 U	49.3 U	9.86 U
GP9	GP9-S-2.0	6/17/2005	2	7.42 U	37.1 U	37.1 U	37.1 U	7.42 U	37.1 U	7.42 U
GP10	GP10-S-1.5	6/17/2005	1.5	11.2 U	55.8 U	55.8 U	55.8 U	11.2 U	55.8 U	11.2 U
	GP10-S-13.5	6/17/2005	13.5	7.96 U	39.8 U	39.8 U	39.8 U	7.96 U	39.8 U	7.96 U
GP11	GP11-S-2.0	6/17/2005	2	8.37 U	41.9 U	41.9 U	41.9 U	**87.2**	41.9 U	8.37 U
	GP11-S-6.5	6/17/2005	6.5	8.61 U	43 U	43 U	43 U	**281**	43 U	8.61 U

Table 4
Petroleum Hydrocarbon Identification in Soil
Precision Engineering, Inc.
Seattle, Washington

Location	Sample ID	Date	Depth (ft. bgs)	Gasoline-Range Organics	Diesel-Range Organics	Residual-Range Organics
GP1	GP1-S-1.5	6/7/2005	1.5	ND	ND	ND
	GP1-S-6.0	6/7/2005	6	ND	ND	ND
	GP1-S-10.0	6/9/2005	10	ND	ND	ND
GP2	GP2-S-1.0	6/7/2005	1	ND	ND	ND
	GP2-S-10.0	6/9/2005	10	ND	ND	ND
GP3	GP3-S-2.0	6/9/2005	2	ND	ND	ND
	GP3-S-6.0	6/9/2005	6	ND	ND	ND
	GP3-S-14	6/9/2005	14	ND	ND	ND
GP4	GP4-S-1.5	6/16/2005	1.5	ND	ND	ND
GP5	GP5-S-1.5	6/16/2005	1.5	ND	ND	ND
	GP5-S-14.0	6/16/2005	14	ND	ND	ND
GP6	GP6-S-1.0	6/16/2005	1	ND	ND	ND
	GP6-S-14.5	6/16/2005	14.5	ND	ND	ND
GP7	GP7-S-2.0	6/16/2005	2	ND	ND	ND
	GP7-S-8.0	6/16/2005	8	ND	ND	ND
GP8	GP8-S-1.5	6/16/2005	1.5	ND	ND	ND
GP9	GP9-S-2.0	6/17/2005	2	ND	ND	ND
GP10	GP10-S-1.5	6/17/2005	1.5	ND	ND	ND
	GP10-S-13.5	6/17/2005	13.5	ND	ND	ND
GP11	GP11-S-2.0	6/17/2005	2	ND	ND	ND
	GP11-S-6.5	6/17/2005	6.5	ND	ND	ND

Table 5
Metals in Groundwater (mg/L)
Precision Engineering, Inc.
Seattle, Washington

Location	Sample ID	Date	Dissolved Chromium	Chromium (Hexavalent)	Lead
MTCA Method A Groundwater CULs			NA	0.048	NA
MTCA Method B Groundwater CULs			0.05	NA	0.015
Reconnaissance Groundwater					
GP2	GP2-W-17-RECON	6/9/2005	**37.1**	**4.72**	0.015 U
GP4	GP4-W-8.0	6/16/2005	**267**	**236**	--
GP5	GP5-W-18.0	6/16/2005	0.02 U	**0.0897**	--
GP6	GP6-W-18.0	6/16/2005	**343**	**300**	--
GP7	GP7-W-14.0	6/16/2005	0.02 U	**0.101**	--
GP8	GP8-W-10.0	6/16/2005	**355**	**294**	--
Monitoring Wells					
MW1	MW1-W-35.0	6/16/2005	0.02 U	**0.269**	--
MW2	MW2-W-0605	6/17/2005	0.02 U	0.01 U	--
MW3	MW3-0605	6/7/2005	0.02 U	0.01 U	--
MW4	MW4-0605	6/9/2005	0.02 U	0.01 U	--
	MW4-0605-Dup	6/9/2005	0.02 U	0.01 U	--

Table 6
Volatile Organic Compounds in Groundwater (ug/L)
Precision Engineering, Inc.
Seattle, Washington

Location	Sample ID	Date	1,1,1,2-Tetra-chloroethane	1,1,1-Trichloro-ethane	1,1,2,2-Tetra-chloroethane	1,1,2-Trichloro-ethane	1,1-Dichloro-ethane	1,1-Dichloro-ethene	1,1-Dichloro-propene	1,2,3-Trichloro-benzene
MTCA Method A Ground Water CULs			NA	200	NA	NA	NA	NA	NA	NA
MTCA Method B Groundwater CULs			1.68	7200	0.219	0.768	800	0.0729	NA	NA
Reconnaissance Groundwater										
GP2	GP2-W-17-RECON	6/9/2005	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
GP4	GP4-W-8.0	6/16/2005	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
GP5	GP5-W-18.0	6/16/2005	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
GP6	GP6-W-18.0	6/16/2005	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
GP7	GP7-W-14.0	6/16/2005	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
GP8	GP8-W-10.0	6/16/2005	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Monitoring Wells										
MW1	MW1-W-35.0	6/16/2005	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
MW2	MW2-W-0605	6/17/2005	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
MW3	MW3-0605	6/7/2005	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
MW4	MW4-0605	6/9/2005	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	MW4-0605-Dup	6/9/2005	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Table 6
Volatile Organic Compounds in Groundwater (ug/L)
Precision Engineering, Inc.
Seattle, Washington

Location	Sample ID	Date	1,2,3-Trichloro-propane	1,2,4-Trichloro-benzene	1,2,4-Trimethyl-benzene	1,2-Dibromo-3-chloropropane	1,2-Dibromo-ethane	1,2-Dichloro-benzene	1,2-Dichloro-ethane	1,2-Dichloro-propane
MTCA Method A Ground Water CULs			NA	NA	NA	NA	0.01	NA	5	NA
MTCA Method B Groundwater CULs			0.00625	80	NA	0.0313	0.000515	720	0.481	0.643
Reconnaissance Groundwater										
GP2	GP2-W-17-RECON	6/9/2005	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
GP4	GP4-W-8.0	6/16/2005	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
GP5	GP5-W-18.0	6/16/2005	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
GP6	GP6-W-18.0	6/16/2005	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
GP7	GP7-W-14.0	6/16/2005	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
GP8	GP8-W-10.0	6/16/2005	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Monitoring Wells										
MW1	MW1-W-35.0	6/16/2005	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
MW2	MW2-W-0605	6/17/2005	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
MW3	MW3-0605	6/7/2005	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
MW4	MW4-0605	6/9/2005	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	MW4-0605-Dup	6/9/2005	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Table 6
Volatile Organic Compounds in Groundwater (ug/L)
Precision Engineering, Inc.
Seattle, Washington

Location	Sample ID	Date	1,3,5-Trimethyl-benzene	1,3-Dichloro-benzene	1,3-Dichloro-propane	1,4-Dichloro-benzene	2,2-Dichloro-propane	2-Chlorotoluene	4-Chlorotoluene	4-Isopropyl-toluene	Benzene
MTCA Method A Ground Water CULs			NA	NA	NA	NA	NA	NA	NA	NA	5
MTCA Method B Groundwater CULs			NA	NA	NA	1.82	NA	160	NA	NA	0.795
Reconnaissance Groundwater											
GP2	GP2-W-17-RECON	6/9/2005	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
GP4	GP4-W-8.0	6/16/2005	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
GP5	GP5-W-18.0	6/16/2005	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
GP6	GP6-W-18.0	6/16/2005	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
GP7	GP7-W-14.0	6/16/2005	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
GP8	GP8-W-10.0	6/16/2005	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Monitoring Wells											
MW1	MW1-W-35.0	6/16/2005	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
MW2	MW2-W-0605	6/17/2005	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
MW3	MW3-0605	6/7/2005	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
MW4	MW4-0605	6/9/2005	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	MW4-0605-Dup	6/9/2005	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Table 6
Volatile Organic Compounds in Groundwater (ug/L)
Precision Engineering, Inc.
Seattle, Washington

Location	Sample ID	Date	Bromobenzene	Bromodichloro-methane	Bromoform	Bromomethane	Carbon Tetrachloride	Chlorobenzene	Chlorobromomethane
MTCA Method A Ground Water CULs			NA	NA	NA	NA	NA	NA	NA
MTCA Method B Groundwater CULs			NA	0.706	5.54	11.2	0.337	160	NA
Reconnaissance Groundwater									
GP2	GP2-W-17-RECON	6/9/2005	5 U	5 U	5 U	5 U	5 U	5 U	5 U
GP4	GP4-W-8.0	6/16/2005	1 U	1 U	1 U	1 U	1 U	1 U	1 U
GP5	GP5-W-18.0	6/16/2005	1 U	1 U	1 U	1 U	1 U	1 U	1 U
GP6	GP6-W-18.0	6/16/2005	20 U	20 U	20 U	20 U	20 U	20 U	20 U
GP7	GP7-W-14.0	6/16/2005	1 U	1 U	1 U	1 U	1 U	1 U	1 U
GP8	GP8-W-10.0	6/16/2005	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Monitoring Wells									
MW1	MW1-W-35.0	6/16/2005	1 U	1 U	1 U	1 U	1 U	1 U	1 U
MW2	MW2-W-0605	6/17/2005	1 U	1 U	1 U	1 U	1 U	1 U	1 U
MW3	MW3-0605	6/7/2005	1 U	1 U	1 U	1 U	1 U	1 U	1 U
MW4	MW4-0605	6/9/2005	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	MW4-0605-Dup	6/9/2005	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Table 6
Volatile Organic Compounds in Groundwater (ug/L)
Precision Engineering, Inc.
Seattle, Washington

Location	Sample ID	Date	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloro-propene	Dibromo-chloromethane	Dibromo-methane	Dichloro-difluoromethane
MTCA Method A Ground Water CULs			NA	NA	NA	NA	NA	NA	NA	NA
MTCA Method B Groundwater CULs			NA	7.17	3.37	80	0.243[b]	0.521	80	1600
Reconnaissance Groundwater										
GP2	GP2-W-17-RECON	6/9/2005	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
GP4	GP4-W-8.0	6/16/2005	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
GP5	GP5-W-18.0	6/16/2005	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
GP6	GP6-W-18.0	6/16/2005	20 U	20 U	20 U	144	20 U	20 U	20 U	20 U
GP7	GP7-W-14.0	6/16/2005	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
GP8	GP8-W-10.0	6/16/2005	1 U	1 U	1 U	2.26	1 U	1 U	1 U	1 U
Monitoring Wells										
MW1	MW1-W-35.0	6/16/2005	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
MW2	MW2-W-0605	6/17/2005	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
MW3	MW3-0605	6/7/2005	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
MW4	MW4-0605	6/9/2005	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	MW4-0605-Dup	6/9/2005	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Table 6
Volatile Organic Compounds in Groundwater (ug/L)
Precision Engineering, Inc.
Seattle, Washington

Location	Sample ID	Date	Ethylbenzene	Hexachloro-butadiene	Isopropyl-benzene	m,p-Xylene	Methyl tert-butyl ether	Methylene chloride	Naphthalene	n-Butyl-benzene	n-Propyl-benzene	o-Xylene
MTCA Method A Ground Water CULs			700	NA	NA	1000[c]	20	NA	160[e]	NA	NA	16000[c]
MTCA Method B Groundwater CULs			800	0.561	1600	16000[d]	NA	5.83	160	NA	NA	16000
Reconnaissance Groundwater												
GP2	GP2-W-17-RECON	6/9/2005	5 U	5 U	5 U	1 U0	5 U	5 U	5 U	5 U	5 U	5 U
GP4	GP4-W-8.0	6/16/2005	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
GP5	GP5-W-18.0	6/16/2005	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
GP6	GP6-W-18.0	6/16/2005	20 U	20 U	20 U	40 U	20 U	20 U	20 U	20 U	20 U	20 U
GP7	GP7-W-14.0	6/16/2005	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
GP8	GP8-W-10.0	6/16/2005	1 U	1 U	1 U	2 U	1 U	1 U	87	1 U	1 U	1 U
Monitoring Wells												
MW1	MW1-W-35.0	6/16/2005	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
MW2	MW2-W-0605	6/17/2005	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
MW3	MW3-0605	6/7/2005	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
MW4	MW4-0605	6/9/2005	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
	MW4-0605-Dup	6/9/2005	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U

Table 6
Volatile Organic Compounds in Groundwater (ug/L)
Precision Engineering, Inc.
Seattle, Washington

Location	Sample ID	Date	sec-Butyl-benzene	Styrene	tert-Butyl-benzene	Tetra-chloroethene	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloro-propene	Trichloro-ethene	Trichloro-fluoromethane	Vinyl chloride
MTCA Method A Ground Water CULs			NA	NA	NA	5	1000	NA	NA	5	NA	0.2
MTCA Method B Groundwater CULs			NA	1.46	NA	0.858	1600	160	0.243[b]	3.98	2400	0.0292
Reconnaissance Groundwater												
GP2	GP2-W-17-RECON	6/9/2005	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
GP4	GP4-W-8.0	6/16/2005	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
GP5	GP5-W-18.0	6/16/2005	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
GP6	GP6-W-18.0	6/16/2005	20 U	20 U	20 U	20 U	20 U	20 U	20 U	**1130**	20 U	20 U
GP7	GP7-W-14.0	6/16/2005	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
GP8	GP8-W-10.0	6/16/2005	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**16.8**	1 U	1 U
Monitoring Wells												
MW1	MW1-W-35.0	6/16/2005	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
MW2	MW2-W-0605	6/17/2005	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
MW3	MW3-0605	6/7/2005	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
MW4	MW4-0605	6/9/2005	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	MW4-0605-Dup	6/9/2005	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Table 7
Petroleum Hydrocarbon Identification in Groundwater
Precision Engineering, Inc.
Seattle, Washington

Location	Sample ID	Date	Gasoline-Range Organics	Diesel-Range Organics	Residual-Range Organics
Reconnaissance Groundwater					
GP2	GP2-W-17-RECON	6/9/2005	DET	ND	ND
GP4	GP4-W-8.0	6/16/2005	ND	DET	ND
GP5	GP5-W-18.0	6/16/2005	ND	ND	ND
GP6	GP6-W-18.0	6/16/2005	ND	ND	ND
GP7	GP7-W-14.0	6/16/2005	ND	ND	ND
GP8	GP8-W-10.0	6/16/2005	DET	DET	DET
Monitoring Wells					
MW2	MW2-W-0605	6/17/2005	ND	DET	DET

Table 8
Petroleum Hydrocarbons in Groundwater (mg/L)
Precision Engineering, Inc.
Seattle, Washington

Location	Sample ID	Date	Gasoline	Diesel	Motor Oil
MTCA Method A Groundwater CULs			0.8	0.5	0.5
MTCA Method B Groundwater CULs			NA	NA	NA
Reconnaissance Groundwater					
GP2	GP2-W-17-RECON	6/9/2005	0.1 U	--	--
GP4	GP4-W-8.0	6/16/2005	--	0.325	0.478 U
GP8	GP8-W-10.0	6/16/2005	0.155	**0.814**	0.479 U
Monitoring Well					
MW2	MW2-W-0605	6/17/2005	0.1 U	0.438	**0.512**

Table 9
Polycyclic Aromatic Hydrocarbons in Groundwater (ug/L)
Precision Engineering, Inc.
Seattle, Washington

Location	Sample ID	Date	2-Chloro-naphthalene	2-Methyl-naphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b+k) fluoranthene
MTCA Method A Ground Water CULs			NA	NA	NA	NA	NA	NA	0.1	NA
MTCA Method B Groundwater CULs			NA	NA	960	NA	2400	0.012	0.012	0.012
Reconnaissance Groundwater										
GP4	GP4-W-8.0	6/16/2005	0.191 U	0.477 U	0.191 U	0.191 U	0.191 U	0.191 U	0.191 U	0.954 U
GP8	GP8-W-10.0	6/16/2005	0.194 U	8.56	0.328	0.194 U	0.194 U	0.194 U	0.194 U	0.97 U
Monitoring Wells										
MW2	MW2-W-0605	6/17/2005	0.192 U	0.481 U	0.192 U	0.192 U	0.192 U	0.192 U	0.192 U	0.962 U

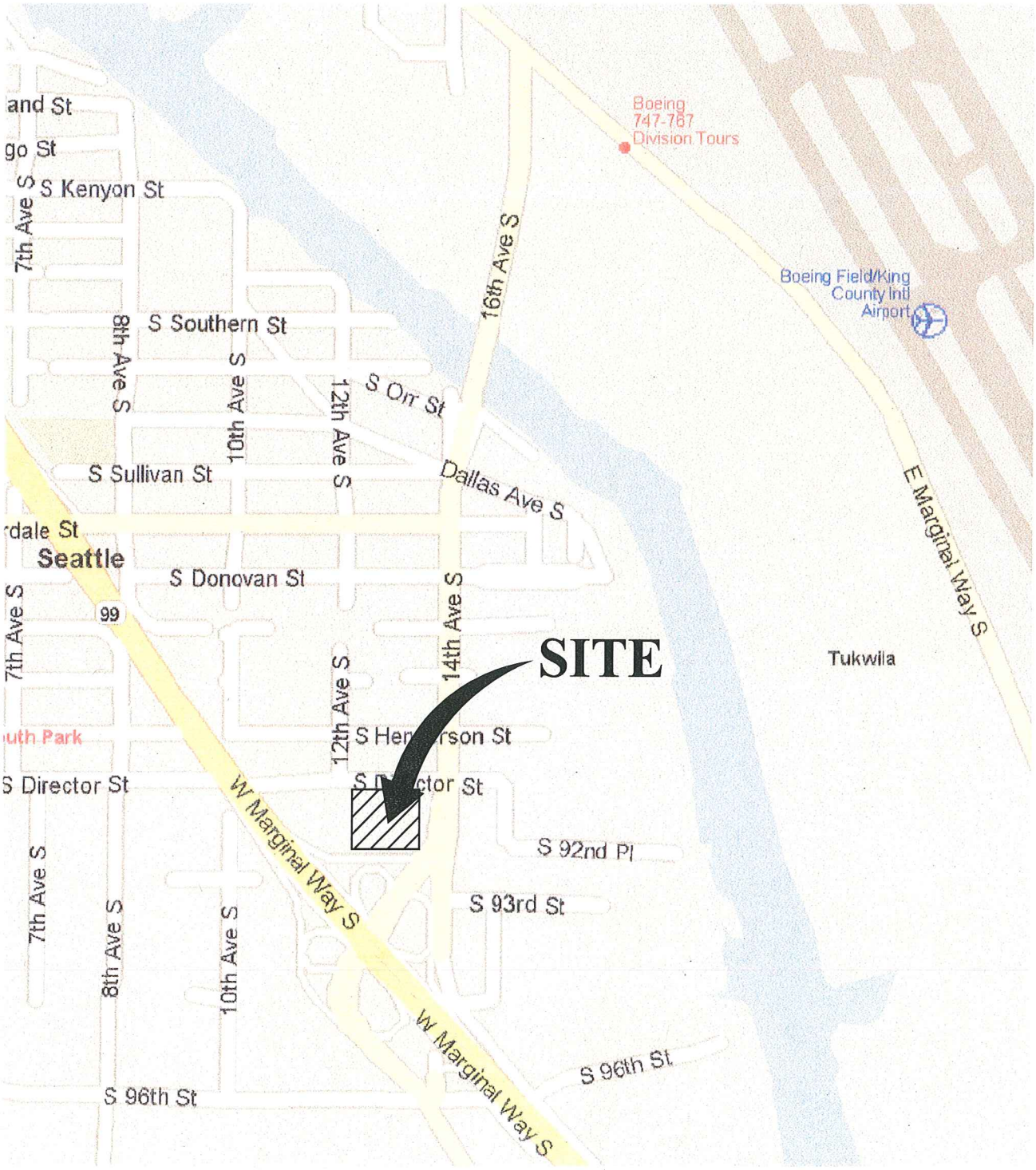
Table 9
Polycyclic Aromatic Hydrocarbons in Groundwater (ug/L)
Precision Engineering, Inc.
Seattle, Washington

Location	Sample ID	Date	Benzo(ghi) perylene	Dibenzo(a,h) anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd) pyrene	Naphthalene	Phenanthrene	Pyrene
MTCA Method A Ground Water CULs			NA	NA	NA	NA	NA	160[e]	NA	NA
MTCA Method B Groundwater CULs			NA	0.012	640	640	0.012	160	NA	480
Reconnaissance Groundwater										
GP4	GP4-W-8.0	6/16/2005	0.191 U	0.191 U	0.191 U	0.191 U	0.191 U	0.477 U	0.191 U	0.191 U
GP8	GP8-W-10.0	6/16/2005	0.194 U	0.194 U	0.194 U	0.298	0.194 U	26.5	5.54	0.194 U
Monitoring Wells										
MW2	MW2-W-0605	6/17/2005	0.192 U	0.192 U	0.192 U	0.192 U	0.192 U	0.854	0.192 U	0.192 U

Table 10
Polychlorinated Biphenyls in Groundwater (ug/L)
Precision Engineering, Inc.
Seattle, Washington

Location	Sample ID	Date	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
MTCA Method A Groundwater CULs			0.1[f]	0.1[f]	0.1[f]	0.1[f]	0.1[f]	0.1[f]	0.1[f]
MTCA Method B Groundwater CULs			NA	NA	NA	NA	NA	NA	NA
Reconnaissance Groundwater									
GP8	GP8-W-10.0	6/16/2005	0.0958 U	0.0958 U	0.0958 U	0.0958 U	0.0958 U	0.0958 U	0.0958 U

FIGURES



Base map prepared from Microsoft Street & Trips 2000.

0 800 1600

SCALE IN FEET

Vancouver:
(360) 694-2691
Portland:
(971) 544-2139

MAUL FOSTER ALONGI INC.

DATE 07/13/04
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PROJECT NO.
0053.01.03

Figure 1
PRECISION ENGINEERING, INC.
SEATTLE, WASHINGTON

SITE LOCATION

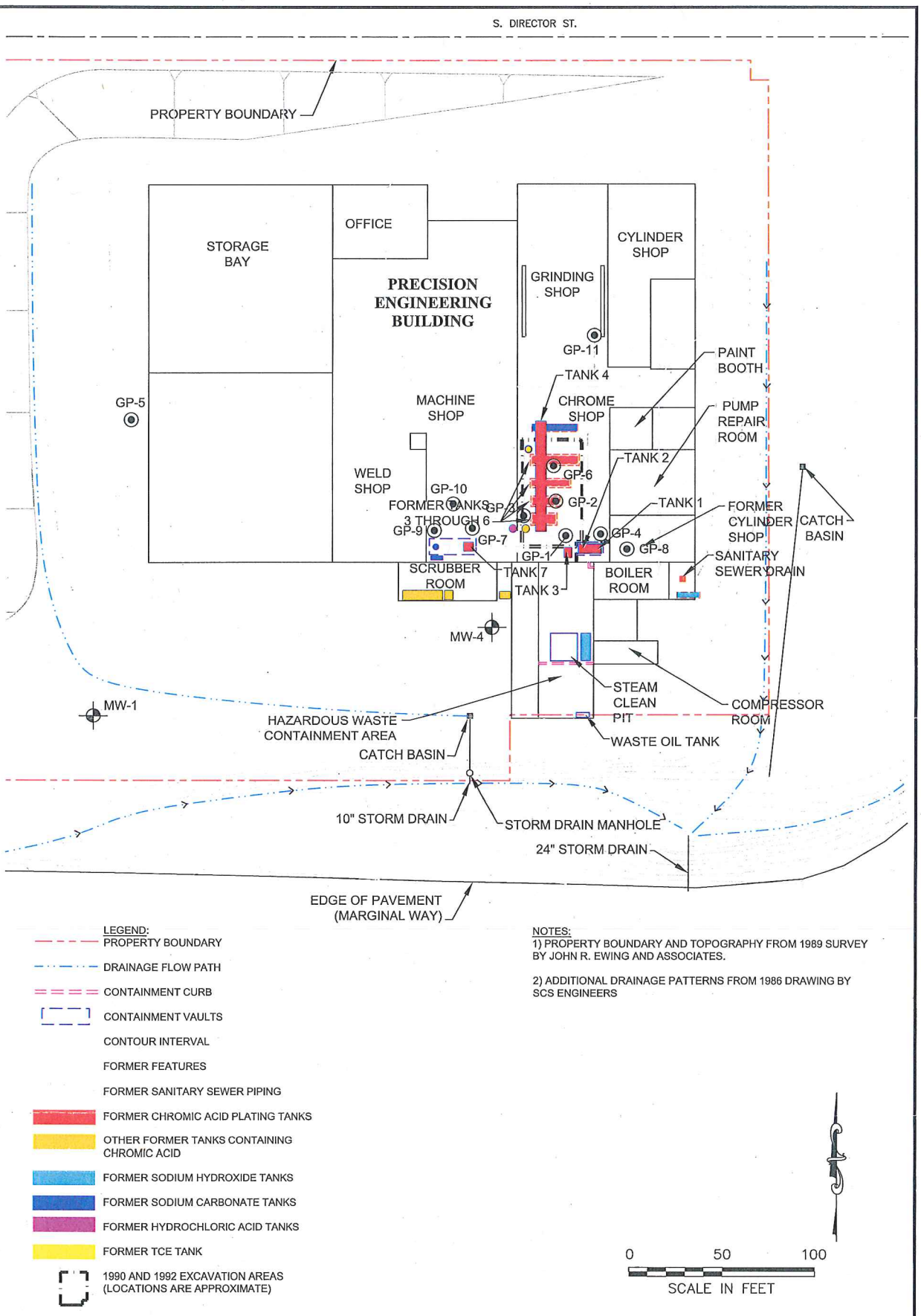

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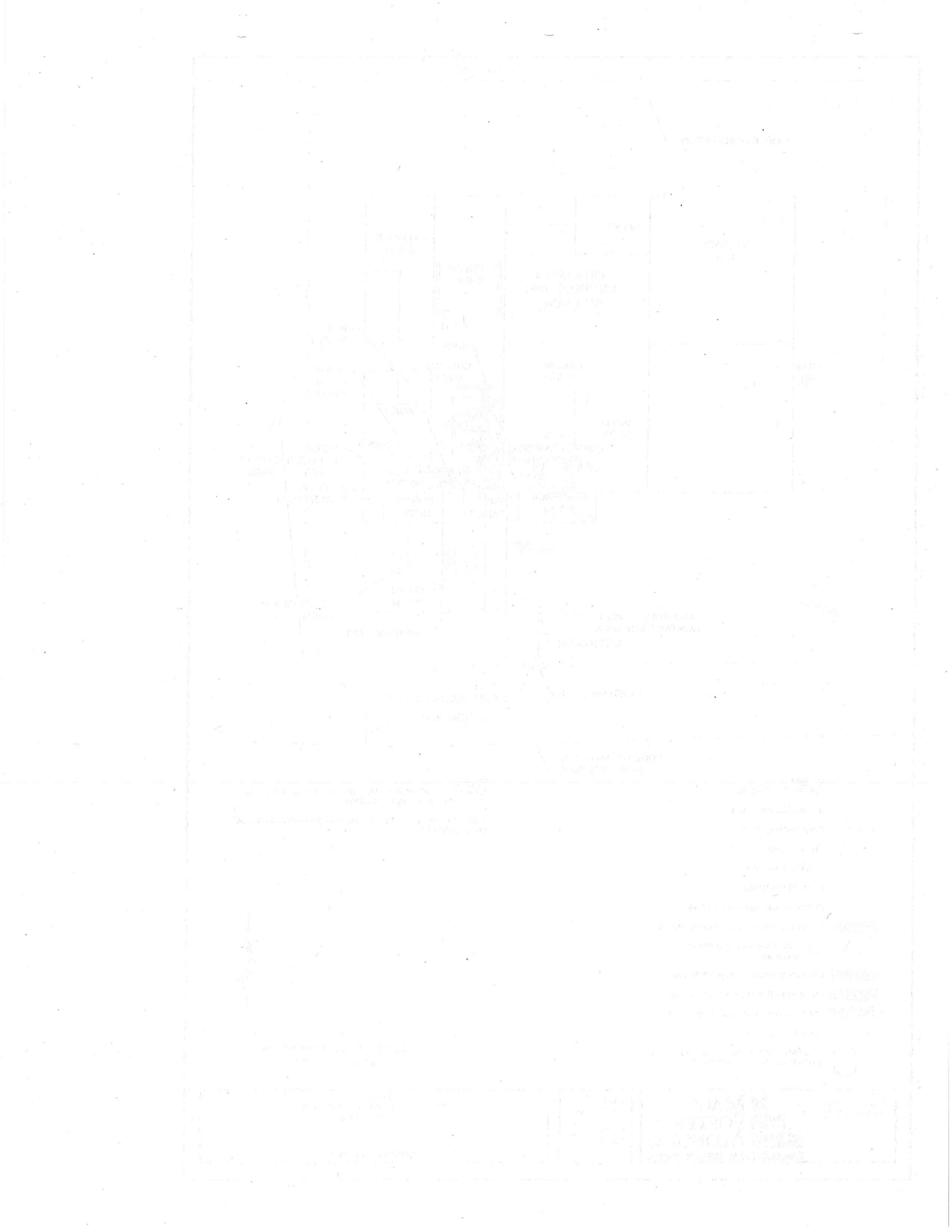
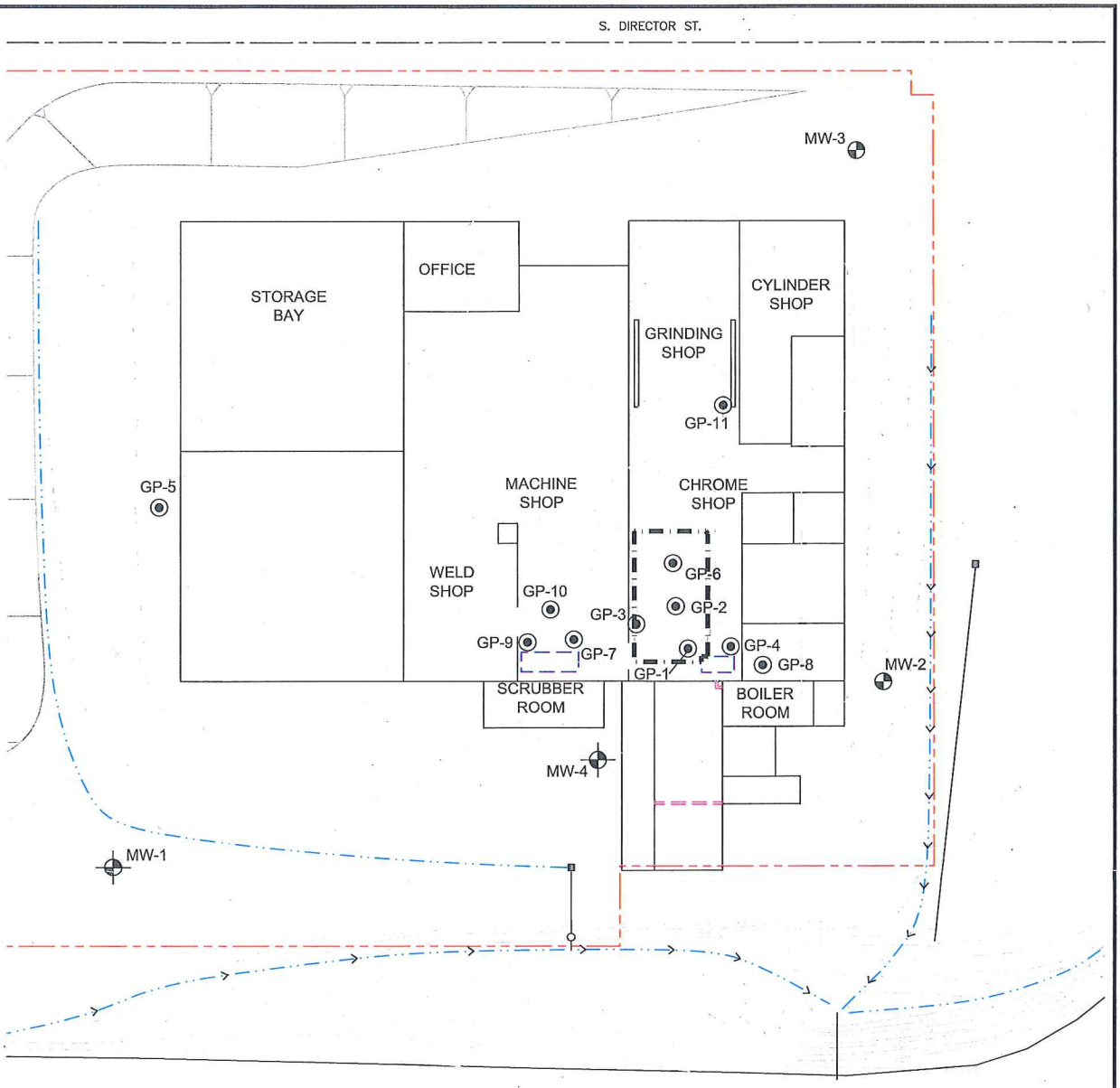
Figure 2
PRECISION ENGINEERING, INC.
SEATTLE, WASHINGTON

SITE FEATURES

File: G:\0053.01 PRECISION ENGINEERING, INC.--SEATTLE\03_JUNE 2005 INVESTIGATION\FIG 2_FORMER SITE FEATURES.DWG Last edited: OCT. 18, 2005 @ 11:38 a.m. by: dglous Xrefs: Site Base 2005, Sample Base block/white

LAYOUT:





LEGEND:

- PROPERTY BOUNDARY
- DRAINAGE FLOW PATH
- CONTAINMENT CURB
- CONTAINMENT VAULTS
- CONTOUR INTERVAL
- MW-4 EXISTING MONITORING WELL
- GP-9 JUNE 2005 GEOPROBE BORING (LOCATIONS ARE APPROXIMATE)
- 1992 EXCAVATION AREA (LOCATION IS APPROXIMATE)

NOTES:

1) PROPERTY BOUNDARY AND TOPOGRAPHY FROM 1989 SURVEY BY JOHN R. EWING AND ASSOCIATES.

2) ADDITIONAL DRAINAGE PATTERNS FROM 1986 DRAWING BY SCS ENGINEERS

0 50 100

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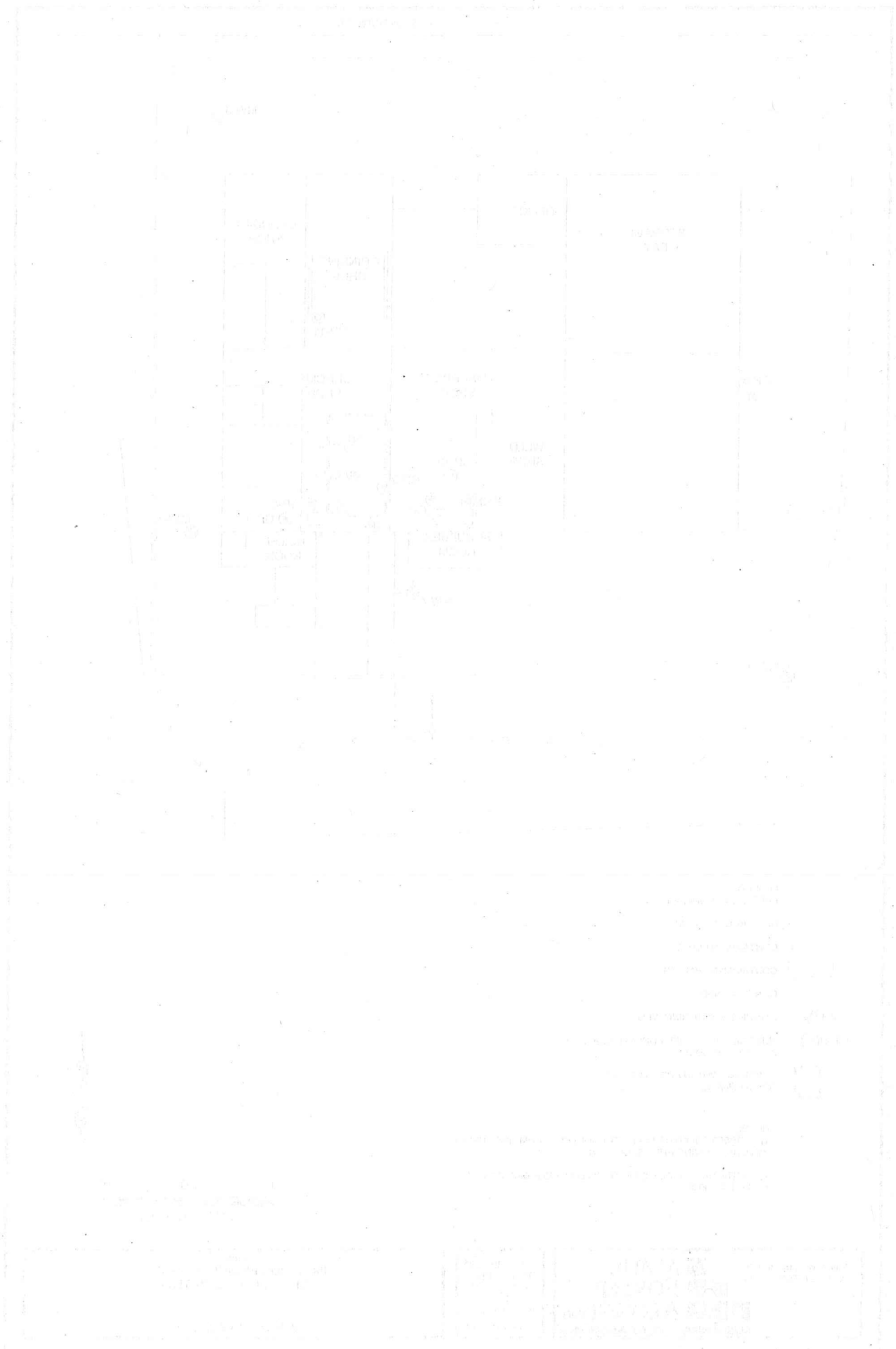
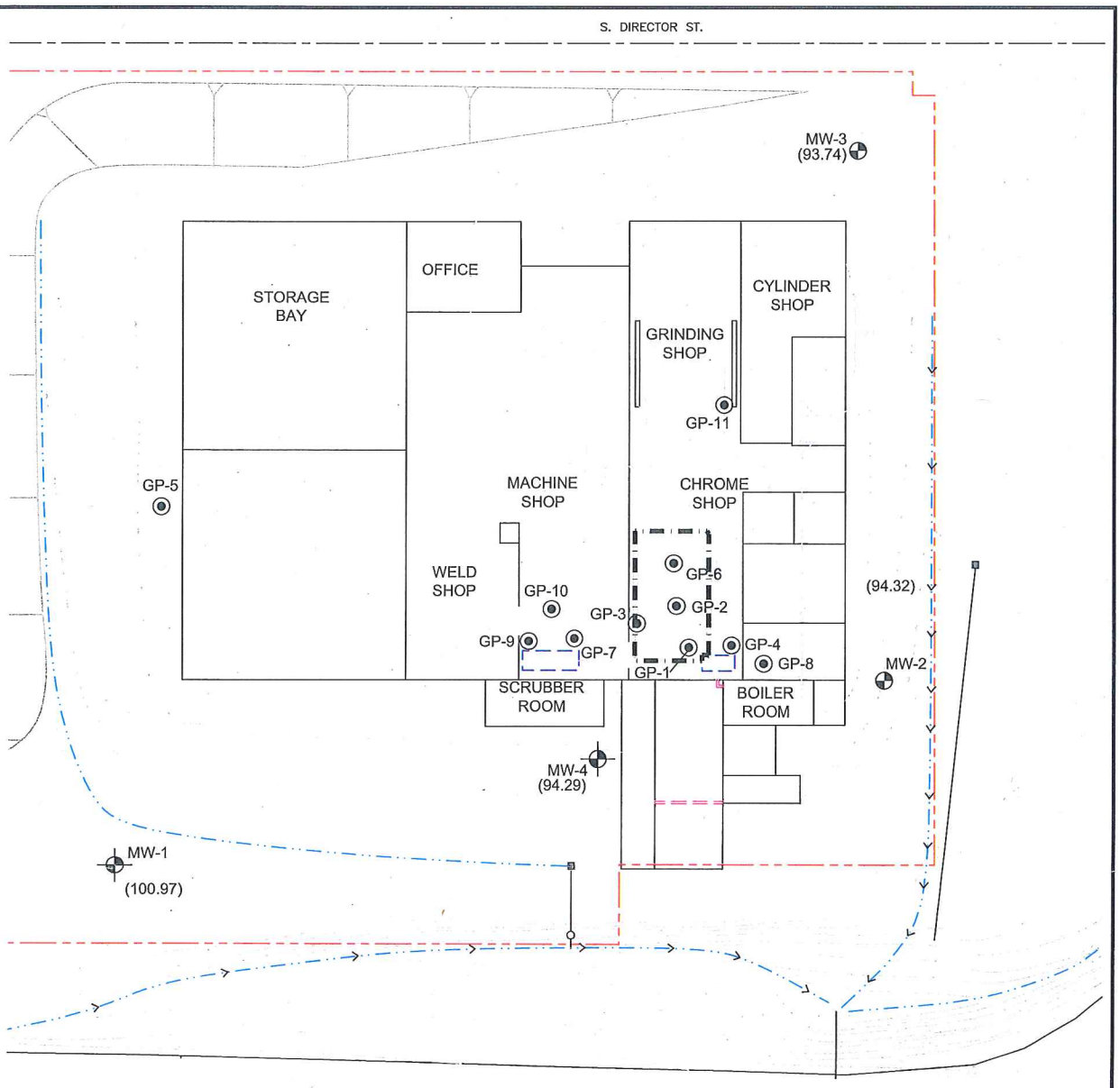
Figure 3
PRECISION ENGINEERING, INC.
SEATTLE, WASHINGTON

BORING LOCATIONS

File: G:\0053.01 PRECISION ENGINEERING, INC.-SEATTLE\03_JUNE 2005 INVESTIGATION\FIG 3_BORING LOCATIONS.DWG Last edited: OCT. 18, 2005 @ 11:39 a.m. by: dglaus Xrefs: Site Base 2005, Sample Base black/white

LAYOUT:





LEGEND:

- PROPERTY BOUNDARY
- DRAINAGE FLOW PATH
- CONTAINMENT CURB
- CONTAINMENT VAULTS
- CONTOUR INTERVAL
- MW-4 — EXISTING MONITORING WELL
- (94.29) — ESTIMATED WATER LEVEL ELEVATIONS
- GP-9 — JUNE 2005 GEOPROBE BORING (LOCATIONS ARE APPROXIMATE)
- 1992 EXCAVATION AREA (LOCATION IS APPROXIMATE)

NOTES:

1) PROPERTY BOUNDARY AND TOPOGRAPHY FROM 1989 SURVEY BY JOHN R. EWING AND ASSOCIATES.

2) ADDITIONAL DRAINAGE PATTERNS FROM 1986 DRAWING BY SCS ENGINEERS

3) MW-1 IS SCREENED IN A DEEPER ZONE AND WAS NOT USED TO ESTIMATE THE POTENTOMETRIC SURFACE. THE MW-1 WATER LEVEL ELEVATION POSTED REPRESENTS THE TOP OF THE CASING, SINCE THE WELL WAS A FLOWING ARTESIAN WELL. THE TRUE WATER LEVEL IS UNKNOWN.

4) THE TOP OF THE WELL CASING AT MW-4 APPEARS TO HAVE BROKEN. THE WATER LEVEL ELEVATION IS ESTIMATED BASED ON THE NORTH RIM OF THE EXISTING CASING.

0 50 100

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Figure 4
PRECISION ENGINEERING, INC.
SEATTLE, WASHINGTON

WATER LEVEL ELEVATIONS

File: G:\0053.01 PRECISION ENGINEERING, INC.-SEATTLE\03_JUNE 2005 INVESTIGATION\FIG 4_WATER LEVEL ELEVATION.DWG Last edited: OCT. 18, 2005 @ 11:40 a.m. by: dglaus Xrefs: Site Base 2005, Sample Base black/white

LAYOUT: 1

APPENDIX A

SITE CHARACTERIZATION PROCEDURES

SITE CHARACTERIZATION PROCEDURES

Soil Sampling Procedures

Eleven Geoprobe™ borings (GP-1 through GP-11) were advanced on the Precision facility to investigate the features of interest. The boring locations were selected to evaluate possible releases to soil and groundwater from the features of interest.

Before fieldwork began, drilling locations were cleared by the Underground Utility Notification Center and a private utility locator. Drilling was performed by Holt Drilling, Inc. of Milton, Washington, and Geo-Tech Explorations, Inc. of Tualatin, Oregon (both companies are a division of Boart Longyear), using direct-push drilling units.

Soil sampling was completed as follows: 5-foot-long, stainless steel rods were attached to a 5-foot-long, 1.5-inch inside-diameter, stainless steel core sampler (equipped with a new acetate liner) and were hydraulically advanced from the ground surface. The core sampler was driven 3 feet to 5 feet to collect the sample. An acetate liner with the soil sample was removed from the core sampler and cut open for inspection and possible sample collection. A new liner was placed in the core sampler, and the rod and core sampler were returned to the boring. The rods and sampler were driven to the desired sampling depth. This procedure generally was repeated until the saturated zone was encountered, generally between 5 feet and 20 feet below ground surface (bgs).

Continuous soil samples were collected for lithologic description. Soil samples were described using American Society for Testing and Materials (ASTM) designation D2488-84, Standard Practice for Description and Identification of Soils (Visual-Manual Procedures), including color, texture, and grain size. A log of soil samples from each boring was prepared in the field by a geologist working under the direct supervision of a geologist registered in the state of Oregon. Lithologic information and visual observations were recorded in a field notebook. Sample information was transferred onto field sampling data sheets (FSDSs). As the soil cores were opened, they were field-screened for volatile organic compounds (VOCs), using a photoionization detector (PID). No VOCs were measured using the PID. Subsurface materials generally consisted of sandy silt to silt with varying silty sand to sand lenses to 20 feet bgs, except around the containment vaults, where loose silty sand was generally encountered.

Soil samples were examined for possible contamination (e.g., discoloration, presence of waste materials). Petroleum-hydrocarbon-like odors and visible impacts, including discoloration and iridescent sheen, were not observed. Some greenish discoloration was observed at the base of the concrete cores near former Plating Tanks 3, 4, 5, and 6.

Reconnaissance Groundwater Sampling Procedures

Groundwater samples were collected from near the top of the saturated zone (i.e., between 8.0 feet and 17 feet bgs, depending on the boring location) as follows:

- The boring was advanced to the saturated zone.
- Before the water sample was collected, a depth-to-water measurement was taken and recorded in the field notebook.
- Groundwater samples were collected from GP-2 and from GP-4 through GP-8, using a stainless steel, 2-inch-outside-diameter, 4-foot-long, Geoprobe™ water sampler. The water sampler was advanced to the bottom of the boring where the last soil sample was collected. The casing around the water sampler was pulled back, exposing 4 feet of screen. Water was allowed to flow into the screen.
- Groundwater was purged before sample collection to decrease turbidity, using 0.25-inch disposable polyethylene tubing attached to a peristaltic pump.
- The sample was carefully transferred from the peristaltic tubing to the laboratory-supplied containers having the appropriate preservative. Samples for VOC analyses were collected with a single-use inertia pump consisting of polyethylene tubing with a stainless steel foot valve. The samples were carefully transferred to laboratory-supplied, 40-mL, volatile organic analysis vials containing hydrochloric acid (HCL) as a preservative. Trip blanks were submitted with each cooler transported to the laboratory for VOC analyses.
- Some of the purge water was decanted into a small beaker, and field parameters (pH, specific conductance, temperature, and turbidity) were measured. The information was recorded in the field notebook and transferred onto FSDSs.
- Samples were labeled, preserved, and shipped with ice under standard chain-of-custody procedures.
- Disposable tubing was used for only one groundwater sample and then was disposed of. Other, non-dedicated, equipment used for water-sample collection was decontaminated both before its use at the facility and after each sample was collected.

Well Development and Groundwater Sampling Procedures

The monitoring wells were developed using disposable, double-check valve, weighted bailers and a peristaltic pump. The wells were developed by surging, bailing, and/or pumping to remove sediment that might have accumulated and to improve the hydraulic connection with groundwater. A minimum of four well pore volumes of water were removed during development.

Specific conductance, pH, temperature, and turbidity were measured periodically during well development. The wells were developed until there was no noticeable decrease in turbidity, and until specific conductance and temperature stabilized to within 10 percent of the previous reading and pH standard units stabilized to within 0.1 standard units of the previous reading.

After water levels were measured and recorded, monitoring wells were sampled as follows:

- At least three casing volumes were purged from the top of the water column in the well, using a new, disposable, weighted, double-checked, polyethylene bailer.

- After each well casing volume was removed, temperature, pH, specific conductance, and turbidity were measured with portable meters and recorded on an FSDS. Groundwater samples were collected after there was no noticeable decrease in turbidity, and specific conductance and temperature stabilized to within 10 percent of the previous reading and pH standard units stabilized to within 0.1 standard units of the previous reading.

- Samples were collected and placed in the appropriate labeled, laboratory-supplied containers. Samples for analyses of VOCs were collected from within the well screen, using disposable bailers equipped with a bottom-emptying device, and were carefully transferred to 40-milliliter vials preserved with HCL. Samples for dissolved metals analysis were field-filtered using a peristaltic pump and a 0.45-micron inline filter.

- Field activities and sampling data (e.g., well-purging data, equipment used, sample containers, preservatives used) were documented in the field on FSDSs.

After sampling was completed, groundwater samples were placed on ice in a shipping container with chain-of-custody documentation and transported to Severn Trent Laboratory in Tacoma, Washington, for analysis.

APPENDIX B

BORING LOGS

Maul Foster & Alongi, Inc.

Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0053.01.03	GP-1	1 of 1

Project Name	Precision Engineering	TOC Elevation (feet NGVD)	--
Project Location	1231 S. Director Street, Seattle, WA 98108	Surface Elevation (feet NGVD)	--
Start/End Date	6/7/05 to 6/9/05	Northing	
Driller/Equipment	Boart Longyear/Geoprobe	Easting	
Geologist/Engineer	S. Mauldin	Hole Depth	15.0-feet
Sample Method	Direct Push	Outer Hole Diam	2-inch

Depth (feet, BGS)	Well Details	Sample Data: Interval	Percent Recovery	Collection Method	Number	Name (Type)	Blows/6"	Lithologic Column	Soil Description
0			100%	GP					0 to 0.5 feet: CONCRETE.
1									0.5 to 13.0 feet: SANDY SILT with GRAVEL (SM); dark yellowish brown; 50% fines, nonplastic; 40% sand, fine to coarse; 10% gravel, fine, rounded to subrounded; micaceous; stiff; dry.
2						GP1-S-1.5			
3									
4			100%	GP					
5									
6			100%	GP					@ 5.5 to 6.0 feet: Reddish brown mottling.
			100%	GP		GP1-S-6.0			
7									
8			78%	GP					
9									
10						GP1-S-10.0			
11									
12									
13			100%	GP					13.0 to 15.0 feet: SILT (ML); dark gray; 100% fines, nonplastic; very stiff; dry.
14									
15									

Total Depth : 15.0 feet bgs

NOTES: 1) Abandon borehole with 3/8-inch bentonite chips hydrated with potable water. 2) GP = geoprobe. 3) Borings were not surveyed.

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Maul Foster & Alongi, Inc.

Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0053.01.03	GP-2	1 of 2

Project Name	Precision Engineering	TOC Elevation (feet NGVD)	--
Project Location	1231 S. Director Street, Seattle, WA 98108	Surface Elevation (feet NGVD)	--
Start/End Date	6/7/05 to 6/9/05	Northing	
Driller/Equipment	Boart Longyear/Geoprobe	Easting	
Geologist/Engineer	S. Mauldin	Hole Depth	30.0-feet
Sample Method	Direct Push	Outer Hole Diam	2-inch

Depth (feet, BGS)	Well Details	Sample Data: Interval	Percent Recovery	Collection Method	Number	Name (Type)	Blows/6"	Lithologic Column	Soil Description
1			69%	GP		GP2-S-1.0			0 to 0.5 feet: CONCRETE.
2									0.5 to 7.0 feet: SANDY SILT with GRAVEL (SM); dark yellowish brown; 50% fines, nonplastic; 40% sand, fine to coarse; 10% gravel, fine, rounded to subrounded; micaceous; stiff; dry.
3									
4			100%	GP					
5									
6			100%	GP					
7									7.0 to 30.0 feet: SILT with SAND (ML); gray; 85% fines, nonplastic; 15% sand, fine; trace medium to coarse gravel; very stiff; dry.
8									
9									
10			64%	GP		GP2-S-10.0			
11									
12									
13									
14									
15			76%	GP GW					@ 15.0 feet: Dark gray; low plasticity; percentages 95% fines and 5% sand.
16									
17									
18						GP2-W-17.5-recon			
19									
20									

NOTES: 1) Abandon borehole with 3/8-inch bentonite chips hydrated with potable water. 2) GP = geoprobe. 3) Borings were not surveyed.

W:\PROJECTS\0053.01\GP1-GP11.GPJ 8/5/05

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Maul Foster & Alongi, Inc.

Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0053.01.03	GP-2	2 of 2

Depth (feet, BGS)	Well Details	Sample Data: Interval	Percent Recovery	Collection Method	Number	Name (Type)	Blows/6"	Lithologic Column	Soil Description
21			78%	GP					
22									
23									
24									
25			100%	GP					
26									
27									
28									
29									
30									

Total Depth : 30.0 feet bgs

NOTES: 1) Abandon borehole with 3/8-inch bentonite chips hydrated with potable water. 2) GP = geoprobe. 3) Borings were not surveyed.

W:\PROJECTS\0053.01\GP1-GP11.GPJ 8/5/05

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Maul Foster & Alongi, Inc.

Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0053.01.03	GP-3	1 of 1

Project Name	Precision Engineering	TOC Elevation (feet NGVD)	--
Project Location	1231 S. Director Street, Seattle, WA 98108	Surface Elevation (feet NGVD)	--
Start/End Date	6/9/05 to 6/9/05	Northing	
Driller/Equipment	Boart Longyear/Geoprobe	Easting	
Geologist/Engineer	S. Mauldin	Hole Depth	15.0-feet
Sample Method	Direct Push	Outer Hole Diam	2-inch

Depth (feet, BGS)	Well Details	Sample Data: Interval	Percent Recovery	Collection Method	Number	Name (Type)	Blows/6"	Lithologic Column	Soil Description
0			70%	GP					0 to 0.5 feet: CONCRETE.
1									0.5 to 2.0 feet: SANDY SILT with GRAVEL (SM); dark yellowish brown; 50% fines, nonplastic; 40% sand, fine to coarse; 10% gravel, fine, angular; micaceous; stiff; dry.
2						GP3-S-2.0			2.0 to 5.0 feet: SILT (ML); gray; 100% fines, nonplastic; very stiff; dry.
3									
4									
5			95%	GP					5.0 to 8.0 feet: SANDY SILT with GRAVEL (SM); grayish brown with orangish mottling; 50% fines, nonplastic; 30% sand, fine to coarse; 20% gravel, fine, angular; micaceous; stiff; dry.
6						GP3-S-6.0			
7									
8			83%	GP					8.0 to 15.0 feet: SILT with GRAVELS (ML); dark gray; 100% fines, nonplastic; trace gravel; very stiff; dry.
9									
10									
11									
12			100%	GP					@ 12.0 feet: Damp.
13									
14						GP3-S-14.0			
15									

Total Depth : 15.0 feet bgs

NOTES: 1) Abandon borehole with 3/8-inch bentonite chips hydrated with potable water. 2) GP = geoprobe. 3) Borings were not surveyed.

Maul Foster & Alongi, Inc.

Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0053.01.03	GP-4	1 of 1

Project Name	Precision Engineering	TOC Elevation (feet NGVD)	--
Project Location	1231 S. Director Street, Seattle, WA 98108	Surface Elevation (feet NGVD)	--
Start/End Date	6/16/05 to 6/16/05	Northing	
Driller/Equipment	Boart Longyear/Geoprobe	Easting	
Geologist/Engineer	A. Hughes	Hole Depth	10.0-feet
Sample Method	Direct Push	Outer Hole Diam	2-inch

Depth (feet, BGS)	Well Details	Sample Data: Interval	Percent Recovery	Collection Method	Number	Name (Type)	Blows/6"	Lithologic Column	Soil Description
0			68%	GP					0 to 0.5 feet: CONCRETE.
1									0.5 to 0.9 feet: GRAVELLY SAND (SW); dark yellowish brown; 10% fines; 70% sand, fine to medium; 20% gravel, fine, subround; micaceous; damp.
2						GP4-S-1.5			0.9 to 9.7 feet: SANDY SILT (ML); dark yellowish brown; 65% fines, non to low plasticity; 35% sand, fine; micaceous; damp to moist.
3									@ 1.2 feet: Dark gray to dark grayish brown.
4									
5			70%	GP					@ 5.0 feet: Wet; trace organics.
6	▽			GW					
7									
8						GP5-W-8.0			
9									
10									9.7 to 10.0 feet: SILT (ML); dark grayish brown with reddish brown mottling; 100% fines, nonplastic; firm; moist to wet.

Total Depth : 10.0 feet bgs

NOTES: 1) Abandon borehole with 3/8-inch bentonite chips hydrated with potable water. 2) GP = geoprobe. 3) Borings were not surveyed. 4) DTW = depth to water in feet (ft) below ground surface (bgs). The water levels are approximate.

▽ DTW = 6.2 feet bgs

GBLWC W:\GIN\PROJECTS\0053.01\GP1-GP11.GPJ 8/5/05

Maul Foster & Alongi, Inc.

Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0053.01.03	GP-5	1 of 1

Project Name	Precision Engineering	TOC Elevation (feet NGVD)	--
Project Location	1231 S. Director Street, Seattle, WA 98108	Surface Elevation (feet NGVD)	--
Start/End Date	6/16/05 to 6/16/05	Northing	
Driller/Equipment	Boart Longyear/Geoprobe	Easting	
Geologist/Engineer	A. Hughes	Hole Depth	20.0-feet
Sample Method	Direct Push	Outer Hole Diam	2-inch

Depth (feet, BGS)	Well Details	Sample Data: Interval	Percent Recovery	Collection Method	Number	Name (Type)	Blows/6"	Lithologic Column	Soil Description
0			98%	GP					0 to 0.3 feet: ASPHALT.
1									0.3 to 2.5 feet: GRAVELLY SILT (ML): dark grayish brown; 80% fines, nonplastic; 20% gravel, fine to coarse, subangular; trace fine sand; damp.
2						GP5-S-1.5			
3									2.5 to 20.0 feet: SILT with GRAVEL (ML); dark grayish brown; 90 to 95% fines, nonplastic; 5 to 10% gravel, fine; trace fine sand; very stiff; dry to damp.
4									
5			98%	GP					
6									
7									
8						GP5-S-8.0			
9									
10			100%	GP					
11									
12									@ 11.2 to 12.0 feet: Percentages change to 80% fines and 20% gravels.
13									
14	▽		100%	GP		GP5-S-14.0			@ 14.0 feet: Moist to wet.
15									
16				GW					
17									
18			50%	GP		GP5-W-18.0			
19									
20									Total Depth : 20.0 feet bgs

NOTES: 1) Abandon borehole with 3/8-inch bentonite chips hydrated with potable water. 2) GP = geoprobe. 3) Borings were not surveyed. 4) DTW = depth to water in feet (ft) below ground surface (bgs). The water levels are approximate.

▽ **DTW = 14.0 feet bgs**

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Maul Foster & Alongi, Inc.

Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0053.01.03	GP-6	1 of 1

Project Name	Precision Engineering	TOC Elevation (feet NGVD)	--
Project Location	1231 S. Director Street, Seattle, WA 98108	Surface Elevation (feet NGVD)	--
Start/End Date	6/16/05 to 6/16/05	Northing	
Driller/Equipment	Boart Longyear/Geoprobe	Easting	
Geologist/Engineer	A. Hughes	Hole Depth	20.0-feet
Sample Method	Direct Push	Outer Hole Diam	2-inch

Depth (feet, BGS)	Well Details	Sample Data: Interval	Percent Recovery	Collection Method	Number	Name (Type)	Blows/6"	Lithologic Column	Soil Description
0			100%	GP					0 to 0.5 feet: CONCRETE.
1						GP6-S-1.0			0.5 to 20.0 feet: SANDY SILT with GRAVEL (ML); dark yellowish brown; 65% fines, nonplastic; 20% sand, fine; 15% gravel, fine to coarse, subangular to angular; micaceous; very stiff; dry to damp.
2									@ 0.5 to 1.0 feet: Greenish yellow staining.
3									
4									
5			100%	GP					
6									
7									@ 7.0 feet: Dark gray to dark brownish gray.
8			100%	GP		GP6-S-8.0			@ 8.0 to 11.5 feet: Percentage change to 60% fines, 15% sand, and 25% gravel.
9									
10									
11									
12			100%	GP					
13									
14									
15			100%	GP		GP6-S-14.5			@ 14.5 to 20.0 feet: Sluff in samplers is moist to wet while soil is dry to damp.
16	▽			GW					
17									
18			100%	GP		GP6-W-18.0			
19									
20									Total Depth : 20.0 feet bgs

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NOTES: 1) Abandon borehole with 3/8-inch bentonite chips hydrated with potable water. 2) GP = geoprobe. 3) Borings were not surveyed. 4) DTW = depth to water in feet (ft) below ground surface (bgs). The water levels are approximate.

▽ **DTW = 15.9 feet bgs**

Maul Foster & Alongi, Inc.

Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0053.01.03	GP-7	1 of 1

Project Name	Precision Engineering	TOC Elevation (feet NGVD)	--
Project Location	1231 S. Director Street, Seattle, WA 98108	Surface Elevation (feet NGVD)	--
Start/End Date	6/16/05 to 6/16/05	Northing	
Driller/Equipment	Boart Longyear/Geoprobe	Easting	
Geologist/Engineer	A. Hughes	Hole Depth	16.0-feet
Sample Method	Direct Push	Outer Hole Diam	2-inch

Depth (feet, BGS)	Well Details	Sample Data: Interval	Percent Recovery	Collection Method	Number	Name (Type)	Blows/6"	Lithologic Column	Soil Description
0			25%	GP					0 to 0.5 feet: CONCRETE.
1									0.5 to 1.5 feet: Void below concrete.
2						GP7-S-2.0			1.5 to 16.0 feet: SILTY SAND (SM); dark yellowish brown; 20 to 25% fines, low plasticity; 70% sand, fine; 5 to 10% gravel, fine, subrounded; micaceous; damp.
3									
4									
5			50%	GP					@ 5.0 feet: Damp to moist.
6									
7									
8						GP7-S-8.0			
9									
10			40%	GP					@ 10.0 feet: Wet.
11									
12	▽			GW					
13									
14						GP7-W-14.0			
15									
16									Total Depth : 16.0 feet bgs

NOTES: 1) Abandon borehole with 3/8-inch bentonite chips hydrated with potable water. 2) GP = geoprobe. 3) Borings were not surveyed. 4) DTW = depth to water in feet (ft) below ground surface (bgs). The water levels are approximate. 5) Becuase of the large void below the concrete the borehole was only abandoned to the top of the soil.

▽ DTW = 12.3 feet bgs

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Maul Foster & Alongi, Inc.

Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0053.01.03	GP-8	1 of 1

Project Name	Precision Engineering	TOC Elevation (feet NGVD)	--
Project Location	1231 S. Director Street, Seattle, WA 98108	Surface Elevation (feet NGVD)	--
Start/End Date	6/16/05 to 6/16/05	Northing	
Driller/Equipment	Boart Longyear/Geoprobe	Easting	
Geologist/Engineer	A. Hughes	Hole Depth	12.0-feet
Sample Method	Direct Push	Outer Hole Diam	2-inch

Depth (feet, BGS)	Well Details	Sample Data: Interval	Percent Recovery	Collection Method	Number	Name (Type)	Blows/6"	Lithologic Column	Soil Description
0									0 to 0.5 feet: CONCRETE.
1									0.5 to 1.0 feet: GRAVELLY SAND (SW); dark yellowish brown; 10% fines; 60% sand, fine to coarse; 30% gravel, fine to medium, subangular; micaceous; damp.
2			60%	GP		GP8-S-1.5			0.9 to 9.7 feet: SANDY SILT (ML); dark brownish gray; 65% fines, non to low plasticity; 35% sand, fine; micaceous; damp to moist.
3									
4									
5			46%	GP					@ 5.0 feet: Trace organics and from approximately 9.6 feet to 9.8 feet below ground surface 100% organics.
6									
7									
8	▽			GW					
9									
10			100%	GP		GP8-W-10.0			9.8 to 11.6 feet: SILT (ML); dark grayish brown; 100% fines, nonplastic; trace fine sand; firm; moist to wet.
11									
12									11.6 to 12.0 feet: GRAVELLY SILT (ML); dark grayish brown; 70% fines, nonplastic; 10% sand, fine; 20% gravel, fine, subround; stiff; damp to moist.

Total Depth : 12.0 feet bgs

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NOTES: 1) Abandon borehole with 3/8-inch bentonite chips hydrated with potable water. 2) GP = geoprobe. 3) Borings were not surveyed. 4) DTW = depth to water in feet (ft) below ground surface (bgs). The water levels are approximate.

▽ DTW = 7.7 feet bgs

Maul Foster & Alongi, Inc.

Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0053.01.03	GP-9	1 of 1

Project Name	Precision Engineering	TOC Elevation (feet NGVD)	--
Project Location	1231 S. Director Street, Seattle, WA 98108	Surface Elevation (feet NGVD)	--
Start/End Date	6/17/05 to 6/17/05	Northing	
Driller/Equipment	Boart Longyear/Geoprobe	Easting	
Geologist/Engineer	A. Hughes	Hole Depth	10.0-feet
Sample Method	Direct Push	Outer Hole Diam	2-inch

Depth (feet, BGS)	Well Details	Sample Data: Interval	Percent Recovery	Collection Method	Number	Name (Type)	Blows/6"	Lithologic Column	Soil Description
1			28%	GP					0 to 0.5 feet: CONCRETE.
									0.5 to 1.5 feet: Void below concrete.
2						GP9-S-2.0			1.5 to 10.0 feet: SILTY SAND (SM); dark yellowish brown; 40% fines, low plasticity; 55% sand, fine; 5% gravel, medium, subangular; damp.
3									
4									
5			4%	GP					@ 4.9 feet: Wet.
6									
7									
8									
9									
10									Total Depth : 10.0 feet bgs

NOTES: 1) Abandon borehole with 3/8-inch bentonite chips hydrated with potable water. 2) GP = geoprobe. 3) Borings were not surveyed. 4) Becuase of the large void below the concrete the borehole was only abandoned to the top of the soil.

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Maul Foster & Alongi, Inc.

Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0053.01.03	GP-10	1 of 1

Project Name	Precision Engineering	TOC Elevation (feet NGVD)	--
Project Location	1231 S. Director Street, Seattle, WA 98108	Surface Elevation (feet NGVD)	--
Start/End Date	6/17/05 to 6/17/05	Northing	
Driller/Equipment	Boart Longyear/Geoprobe	Easting	
Geologist/Engineer	A. Hughes	Hole Depth	15.0-feet
Sample Method	Direct Push	Outer Hole Diam	2-inch

Depth (feet, BGS)	Well Details	Sample Data: Interval	Percent Recovery	Collection Method	Number	Name (Type)	Blows/6"	Lithologic Column	Soil Description
0			75%	GP					0 to 0.4 feet: CONCRETE.
1									0.4 to 15.0 feet: SANDY SILT with GRAVEL (ML); dark yellowish brown; 60% fines, nonplastic; 25% sand, fine; 15% gravel, fine to coarse, subround to angular; micaceous; stiff; dry to damp.
2						GP10-S-1.5			@ 1.5 feet: Brownish gray.
3									
4			100%	GP					
5									
6									
7			100%	GP		GP10-S-7.0			@ 7.0 to 12.0 feet: Percentages 65% fines, 30% sand, and 5% gravel.
8									
9									
10			100%	GP					
11									
12									
13			100%	GP					
14						GP10-S-13.5			@ 14.0 feet: Moist to wet and percentages 65% fines, 30% sand, and 5% gravel.
15									Total Depth : 15.0 feet bgs

NOTES: 1) Abandon borehole with 3/8-inch bentonite chips hydrated with potable water. 2) GP = geoprobe. 3) Borings were not surveyed.

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Maul Foster & Alongi, Inc.

Geologic Borehole Log/Well Construction

Project Number	Well Number	Sheet
0053.01.03	GP-11	1 of 1

Project Name	Precision Engineering	TOC Elevation (feet NGVD)	--
Project Location	1231 S. Director Street, Seattle, WA 98108	Surface Elevation (feet NGVD)	--
Start/End Date	6/17/05 to 6/17/05	Northing	
Driller/Equipment	Boart Longyear/Geoprobe	Easting	
Geologist/Engineer	A. Hughes	Hole Depth	7.0-feet
Sample Method	Direct Push	Outer Hole Diam	2-inch

Depth (feet, BGS)	Well Details	Sample Data: Interval	Percent Recovery	Collection Method	Number	Name (Type)	Blows/6"	Lithologic Column	Soil Description
			95%	GP					0 to 0.4 feet: CONCRETE.
1									0.4 to 4.0 feet: SILTY SAND with GRAVEL (SM); dark yellowish brown; 30% fines, nonplastic; 55% sand, fine to coarse; 15% gravel, fine to coarse, subangular to angular; firm; dry.
2						GP11-S-2.0			
3									
4			100%	GP					4.0 to 7.0 feet: SANDY SILT (ML); dark yellowish brown with reddish brown mottling; 70% fines, nonplastic; 30% sand, fine; trace fine, subrounded gravel; damp to moist.
5									
6									
7			100%	GP		GP11-S-6.5			@ 6.5 feet: Moist to wet.
									Refusal at 7.0 feet bgs.

NOTES: 1) Abandon borehole with 3/8-inch bentonite chips hydrated with potable water. 2) GP = geoprobe. 3) Borings were not surveyed.

APPENDIX C

LABORATORY ANALYTICAL REPORTS

SEVERN TRENT STL

STL Seattle
5755 8th Street East
Tacoma, WA 98424

Tel: 253 922 2310
Fax: 253 922 5047
www.stl-inc.com

TRANSMITTAL MEMORANDUM

DATE: July 25, 2005

TO: Alan Hughes
Maul Foster & Alongi, Inc.
7223 NE Hazel Dell Ave., Suite B
Vancouver, WA 98665

PROJECT: Precision Engineering/Seattle WA

REPORT NUMBER: 128268

TOTAL NUMBER OF PAGES: _____

Enclosed are the test results for five samples received at STL Seattle on June 8, 2005.

The report consists of this transmittal memo, analytical results, quality control reports, a copy of the chain-of-custody, a list of data qualifiers and analytical narrative when applicable, and a copy of any requested raw data.

Nonconformance Narrative: For SW8260B the Method Blank VOA1371 had Methylene chloride contamination above the RL. Sample 128268-02 was analyzed one day out of holding time. The first run was within holding time but failed to purge and had to be re-run.

Should there be any questions regarding this report, please contact me at (253) 922-2310.

Sincerely,

Tom Coyner
Project Manager

Sample Identification:

Lab. No.	Client ID	Date/Time Sampled	Matrix
128268-1	GP1-S-1.5	06-07-05 09:30	solid
128268-2	GP1-S-6.0	06-07-05 10:15	solid
128268-3	GP2-S-1.0	06-07-05 11:00	solid
128268-4	MW3-0605	06-07-05 16:10	liquid
128268-5	Trip Blank	06-07-05 *	liquid

* - Sampling time not specified for this sample

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP1-S-1.5
Lab ID:	128268-01
Date Received:	6/8/05
Date Prepared:	6/21/05
Date Analyzed:	6/21/05
% Solids	91.77
Dilution Factor	1

Volatile Organics by USEPA Method 5030/8260B

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Dibromofluoromethane	87.5		75	125
Fluorobenzene	86.2		75	125
Toluene-D8	90.1		75	125
Ethylbenzene-d10	88		75	125
Bromofluorobenzene	93.1		75	125
Trifluorotoluene	107		75	125

Sample results are on a dry weight basis.

Analyte	Result (ug/kg)	RL	Flags
Dichlorodifluoromethane	ND	0.839	
Chloromethane	ND	0.839	
Vinyl chloride	ND	0.839	
Bromomethane	ND	0.839	
Chloroethane	ND	0.839	
Trichlorofluoromethane	ND	0.839	
1,1-Dichloroethene	ND	0.839	
Methylene chloride	ND	0.839	
trans-1,2-Dichloroethene	ND	0.839	
1,1-Dichloroethane	ND	0.839	
2,2-Dichloropropane	ND	0.839	
cis-1,2-Dichloroethene	ND	0.839	
Bromochloromethane	ND	0.839	
Chloroform	ND	0.839	
1,1,1-Trichloroethane	ND	0.839	
Carbon Tetrachloride	ND	0.839	
1,1-Dichloropropene	ND	0.839	
Benzene	ND	0.839	
1,2-Dichloroethane	ND	0.839	
Trichloroethene	ND	0.839	
1,2-Dichloropropane	ND	0.839	
Dibromomethane	ND	0.839	
Bromodichloromethane	ND	0.839	
cis-1,3-Dichloropropene	ND	0.839	
Toluene	ND	0.839	
trans-1,3-Dichloropropene	ND	0.839	

STL Seattle

Volatile Organics by USEPA Method 5030/8260B data for 128268-01 continued...

Analyte	Result (ug/kg)	RL	Flags
1,1,2-Trichloroethane	ND	0.839	
Tetrachloroethene	ND	0.839	
1,3-Dichloropropane	ND	0.839	
Dibromochloromethane	ND	0.839	
1,2-Dibromoethane	ND	0.839	
Chlorobenzene	ND	0.839	
Ethylbenzene	ND	0.839	
1,1,1,2-Tetrachloroethane	ND	0.839	
m,p-Xylene	ND	1.68	
o-Xylene	ND	0.839	
Styrene	ND	0.839	
Bromoform	ND	0.839	
Isopropylbenzene	ND	0.839	
Bromobenzene	ND	0.839	
n-Propylbenzene	ND	0.839	
1,1,2,2-Tetrachloroethane	ND	0.839	
1,2,3-Trichloropropane	ND	0.839	
2-Chlorotoluene	ND	0.839	
1,3,5-Trimethylbenzene	ND	0.839	
4-Chlorotoluene	ND	0.839	
t-Butylbenzene	ND	0.839	
1,2,4-Trimethylbenzene	ND	0.839	
sec-Butylbenzene	ND	0.839	
1,3-Dichlorobenzene	ND	0.839	
4-Isopropyltoluene	ND	0.839	
1,4-Dichlorobenzene	ND	0.839	
n-Butylbenzene	ND	0.839	
1,2-Dichlorobenzene	ND	0.839	
1,2-Dibromo-3-chloropropane	ND	0.839	
1,3,5-Trichlorobenzene	ND	0.839	
1,2,4-Trichlorobenzene	ND	0.839	
1,2,3-Trichlorobenzene	ND	0.839	
Hexachlorobutadiene	ND	0.839	
Naphthalene	ND	0.839	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP1-S-6.0
Lab ID:	128268-02
Date Received:	6/8/05
Date Prepared:	6/22/05
Date Analyzed:	6/22/05
% Solids	91.96
Dilution Factor	1

Volatile Organics by USEPA Method 5030/8260B

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Dibromofluoromethane	94.9		75	125
Fluorobenzene	91.7		75	125
Toluene-D8	90.7		75	125
Ethylbenzene-d10	87.4		75	125
Bromofluorobenzene	88		75	125
Trifluorotoluene	105		75	125

Sample results are on a dry weight basis.

		Result		
Analyte		**(ug/kg)**	**RL**	**Flags**
Dichlorodifluoromethane	ND		1.12	
Chloromethane	ND		1.12	
Vinyl chloride	ND		1.12	
Bromomethane	ND		1.12	
Chloroethane	ND		1.12	
Trichlorofluoromethane	ND		1.12	
1,1-Dichloroethene	ND		1.12	
Methylene chloride	ND		1.12	
trans-1,2-Dichloroethene	ND		1.12	
1,1-Dichloroethane	ND		1.12	
2,2-Dichloropropane	ND		1.12	
cis-1,2-Dichloroethene	ND		1.12	
Bromochloromethane	ND		1.12	
Chloroform	ND		1.12	
1,1,1-Trichloroethane	ND		1.12	
Carbon Tetrachloride	ND		1.12	
1,1-Dichloropropene	ND		1.12	
Benzene		2.55	1.12	
1,2-Dichloroethane	ND		1.12	
Trichloroethene	ND		1.12	
1,2-Dichloropropane	ND		1.12	
Dibromomethane	ND		1.12	
Bromodichloromethane	ND		1.12	
cis-1,3-Dichloropropene	ND		1.12	
Toluene		1.62	1.12	
trans-1,3-Dichloropropene	ND		1.12	

STL Seattle

Volatile Organics by USEPA Method 5030/8260B data for 128268-02 continued...

Analyte		Result (ug/kg)	RL	Flags
1,1,2-Trichloroethane	ND		1.12	
Tetrachloroethene	ND		1.12	
1,3-Dichloropropane	ND		1.12	
Dibromochloromethane	ND		1.12	
1,2-Dibromoethane	ND		1.12	
Chlorobenzene	ND		1.12	
Ethylbenzene	ND		1.12	
1,1,1,2-Tetrachloroethane	ND		1.12	
m,p-Xylene	ND		2.24	
o-Xylene	ND		1.12	
Styrene	ND		1.12	
Bromoform	ND		1.12	
Isopropylbenzene	ND		1.12	
Bromobenzene	ND		1.12	
n-Propylbenzene	ND		1.12	
1,1,2,2-Tetrachloroethane	ND		1.12	
1,2,3-Trichloropropane	ND		1.12	
2-Chlorotoluene	ND		1.12	
1,3,5-Trimethylbenzene	ND		1.12	
4-Chlorotoluene	ND		1.12	
t-Butylbenzene	ND		1.12	
1,2,4-Trimethylbenzene	ND		1.12	
sec-Butylbenzene	ND		1.12	
1,3-Dichlorobenzene	ND		1.12	
4-Isopropyltoluene	ND		1.12	
1,4-Dichlorobenzene	ND		1.12	
n-Butylbenzene	ND		1.12	
1,2-Dichlorobenzene	ND		1.12	
1,2-Dibromo-3-chloropropane	ND		1.12	
1,3,5-Trichlorobenzene	ND		1.12	
1,2,4-Trichlorobenzene	ND		1.12	
1,2,3-Trichlorobenzene	ND		1.12	
Hexachlorobutadiene	ND		1.12	
Naphthalene	ND		1.12	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP2-S-1.0
Lab ID:	128268-03
Date Received:	6/8/05
Date Prepared:	6/21/05
Date Analyzed:	6/21/05
% Solids	89.78
Dilution Factor	1

Volatile Organics by USEPA Method 5030/8260B

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Dibromofluoromethane	85.7		75	125
Fluorobenzene	86.2		75	125
Toluene-D8	89.2		75	125
Ethylbenzene-d10	86.5		75	125
Bromofluorobenzene	90		75	125
Trifluorotoluene	112		75	125

Sample results are on a dry weight basis.

Analyte	**Result (ug/kg)**	**RL**	**Flags**
Dichlorodifluoromethane	ND	0.96	
Chloromethane	ND	0.96	
Vinyl chloride	ND	0.96	
Bromomethane	ND	0.96	
Chloroethane	ND	0.96	
Trichlorofluoromethane	ND	0.96	
1,1-Dichloroethene	ND	0.96	
Methylene chloride	ND	0.96	
trans-1,2-Dichloroethene	ND	0.96	
1,1-Dichloroethane	ND	0.96	
2,2-Dichloropropane	ND	0.96	
cis-1,2-Dichloroethene	ND	0.96	
Bromochloromethane	ND	0.96	
Chloroform	ND	0.96	
1,1,1-Trichloroethane	ND	0.96	
Carbon Tetrachloride	ND	0.96	
1,1-Dichloropropene	ND	0.96	
Benzene	ND	0.96	
1,2-Dichloroethane	ND	0.96	
Trichloroethene	ND	0.96	
1,2-Dichloropropane	ND	0.96	
Dibromomethane	ND	0.96	
Bromodichloromethane	ND	0.96	
cis-1,3-Dichloropropene	ND	0.96	
Toluene	ND	0.96	
trans-1,3-Dichloropropene	ND	0.96	

STL Seattle

Volatile Organics by USEPA Method 5030/8260B data for 128268-03 continued...

Analyte	Result (ug/kg)	RL	Flags
1,1,2-Trichloroethane	ND	0.96	
Tetrachloroethene	ND	0.96	
1,3-Dichloropropane	ND	0.96	
Dibromochloromethane	ND	0.96	
1,2-Dibromoethane	ND	0.96	
Chlorobenzene	ND	0.96	
Ethylbenzene	ND	0.96	
1,1,1,2-Tetrachloroethane	ND	0.96	
m,p-Xylene	ND	1.92	
o-Xylene	ND	0.96	
Styrene	ND	0.96	
Bromoform	ND	0.96	
Isopropylbenzene	ND	0.96	
Bromobenzene	ND	0.96	
n-Propylbenzene	ND	0.96	
1,1,2,2-Tetrachloroethane	ND	0.96	
1,2,3-Trichloropropane	ND	0.96	
2-Chlorotoluene	ND	0.96	
1,3,5-Trimethylbenzene	ND	0.96	
4-Chlorotoluene	ND	0.96	
t-Butylbenzene	ND	0.96	
1,2,4-Trimethylbenzene	ND	0.96	
sec-Butylbenzene	ND	0.96	
1,3-Dichlorobenzene	ND	0.96	
4-Isopropyltoluene	ND	0.96	
1,4-Dichlorobenzene	ND	0.96	
n-Butylbenzene	ND	0.96	
1,2-Dichlorobenzene	ND	0.96	
1,2-Dibromo-3-chloropropane	ND	0.96	
1,3,5-Trichlorobenzene	ND	0.96	
1,2,4-Trichlorobenzene	ND	0.96	
1,2,3-Trichlorobenzene	ND	0.96	
Hexachlorobutadiene	ND	0.96	
Naphthalene	ND	0.96	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	MW3-0605
Lab ID:	128268-04
Date Received:	6/8/2005
Date Prepared:	6/17/2005
Date Analyzed:	6/18/2005
% Solids	-
Dilution Factor	1

Volatile Organics by USEPA Method 5035\8260B

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Dibromofluoromethane	90.1		80	120
Fluorobenzene	104		80	120
Toluene-D8	104		80	120
Ethylbenzene-d10	113		80	120
Bromofluorobenzene	104		80	120
Trifluorotoluene	114		80	120

Analyte	Result (ug/L)	RL	Flags
Dichlorodifluoromethane	ND	1	
Chloromethane	ND	1	
Vinyl chloride	ND	1	
Bromomethane	ND	1	
Chloroethane	ND	1	
Trichlorofluoromethane	ND	1	
1,1-Dichloroethene	ND	1	
Methylene chloride	ND	1	
Methyl tert-butyl ether	ND	1	
trans-1,2-Dichloroethene	ND	1	
1,1-Dichloroethane	ND	1	
2,2-Dichloropropane	ND	1	
cis-1,2-Dichloroethene	ND	1	
Bromochloromethane	ND	1	
Chloroform	ND	1	
1,1,1-Trichloroethane	ND	1	
Carbon Tetrachloride	ND	1	
1,1-Dichloropropene	ND	1	
Benzene	ND	1	
1,2-Dichloroethane	ND	1	
Trichloroethene	ND	1	
1,2-Dichloropropane	ND	1	
Dibromomethane	ND	1	
Bromodichloromethane	ND	1	
cis-1,3-Dichloropropene	ND	1	
Toluene	ND	1	

STL Seattle

Volatile Organics by USEPA Method 5035\8260B data for 128268-04 continued...

Analyte	Result (ug/L)	RL	Flags
trans-1,3-Dichloropropene	ND	1	
1,1,2-Trichloroethane	ND	1	
Tetrachloroethene	ND	1	
1,3-Dichloropropane	ND	1	
Dibromochloromethane	ND	1	
1,2-Dibromoethane	ND	1	
Chlorobenzene	ND	1	
Ethylbenzene	ND	1	
1,1,1,2-Tetrachloroethane	ND	1	
m,p-Xylene	ND	2	
o-Xylene	ND	1	
Styrene	ND	1	
Bromoform	ND	1	
Isopropylbenzene	ND	1	
Bromobenzene	ND	1	
n-Propylbenzene	ND	1	
1,1,2,2-Tetrachloroethane	ND	1	
1,2,3-Trichloropropane	ND	1	
2-Chlorotoluene	ND	1	
1,3,5-Trimethylbenzene	ND	1	
4-Chlorotoluene	ND	1	
t-Butylbenzene	ND	1	
1,2,4-Trimethylbenzene	ND	1	
sec-Butylbenzene	ND	1	
1,3-Dichlorobenzene	ND	1	
4-Isopropyltoluene	ND	1	
1,4-Dichlorobenzene	ND	1	
n-Butylbenzene	ND	1	
1,2-Dichlorobenzene	ND	1	
1,2-Dibromo-3-chloropropane	ND	1	
1,2,4-Trichlorobenzene	ND	1	
1,2,3-Trichlorobenzene	ND	1	
Hexachlorobutadiene	ND	1	
Naphthalene	ND	1	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP1-S-1.5
Lab ID:	128268-01
Date Received:	6/8/2005
Date Prepared:	6/9/2005
Date Analyzed:	6/9/2005
% Solids	91.77
Dilution Factor	1

NWTPH-HCID - Hydrocarbon Identification Method for Soil Modified

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
1-bromo-4-fluorobenzene	78.9		50	150
o-terphenyl	90.8		50	150

Sample results are on a dry weight basis.

Analyte	**Result (mg/kg)**	**RL**	**Flags**
Gasoline (Toluene-nC12)	<20	20	
#2 Diesel (>nC12-nC24)	<49.9	49.9	
Motor Oil (>nC24-nC32)	<99.8	99.8	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP1-S-6.0
Lab ID:	128268-02
Date Received:	6/8/2005
Date Prepared:	6/9/2005
Date Analyzed:	6/10/2005
% Solids	91.96
Dilution Factor	1

NWTPH-HCID - Hydrocarbon Identification Method for Soil Modified

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
1-bromo-4-fluorobenzene	80.4		50	150
o-terphenyl	90.5		50	150

Sample results are on a dry weight basis.

Analyte	**Result (mg/kg)**	**RL**	**Flags**
Gasoline (Toluene-nC12)	<20.5	20.5	
#2 Diesel (>nC12-nC24)	<51.2	51.2	
Motor Oil (>nC24-nC32)	<102	102	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP2-S-1.0
Lab ID:	128268-03
Date Received:	6/8/2005
Date Prepared:	6/9/2005
Date Analyzed:	6/10/2005
% Solids	89.78
Dilution Factor	1

NWTPH-HCID - Hydrocarbon Identification Method for Soil Modified

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	Low	High
1-bromo-4-fluorobenzene	75.3		50	150
o-terphenyl	83.4		50	150

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	Flags
Gasoline (Toluene-nC12)	<21.3	21.3	
#2 Diesel (>nC12-nC24)	<53.3	53.3	
Motor Oil (>nC24-nC32)	<107	107	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	MW3-0605
Lab ID:	128268-04
Date Received:	6/8/05
Date Prepared:	6/13/05
Date Analyzed:	6/14/05
Dilution Factor	1

Dissolved Metals by ICP - USEPA Method 6010

Analyte	Result (mg/L)	RL	Flags
Chromium	ND	0.02	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	GP1-S-1.5
Lab ID:	128268-01
Date Received:	6/8/05
Date Prepared:	6/10/05
Date Analyzed:	6/14/05
Dilution Factor	1
% Solids	91.77

Metals by ICP - USEPA Method 6010

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	Flags
Chromium	205	2.01	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	GP1-S-6.0
Lab ID:	128268-02
Date Received:	6/8/05
Date Prepared:	6/10/05
Date Analyzed:	6/14/05
Dilution Factor	1
% Solids	91.96

Metals by ICP - USEPA Method 6010

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	Flags
Chromium	147	2	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	GP2-S-1.0
Lab ID:	128268-03
Date Received:	6/8/05
Date Prepared:	6/10/05
Date Analyzed:	6/14/05
Dilution Factor	1
% Solids	89.78

Metals by ICP - USEPA Method 6010

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	Flags
Chromium	2680	2.17	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	GP1-S-1.5
Lab ID:	128268-01
Date Received:	6/8/05
Date Prepared:	6/9/05
Date Analyzed:	6/10/05
Dilution Factor	1
% Solids	91.77

Hexavalent Chromium by ICP - USEPA Method 7195/6010

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	Flags
Hexavalent Chromium	152	0.107	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	GP1-S-6.0
Lab ID:	128268-02
Date Received:	6/8/05
Date Prepared:	6/9/05
Date Analyzed:	6/10/05
Dilution Factor	1
% Solids	91.96

Hexavalent Chromium by ICP - USEPA Method 7195/6010

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	Flags
Hexavalent Chromium	31.8	0.106	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	GP2-S-1.0
Lab ID:	128268-03
Date Received:	6/8/05
Date Prepared:	6/9/05
Date Analyzed:	6/10/05
Dilution Factor	1
% Solids	89.78

Hexavalent Chromium by ICP - USEPA Method 7195/6010

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	Flags
Hexavalent Chromium	523	0.111	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	MW3-0605
Lab ID:	128268-04
Date Received:	6/8/05
Date Prepared:	6/10/05
Date Analyzed:	6/10/05
Dilution Factor	1

Hexavalent Chromium by ICP - USEPA Method 7195/6010

Analyte	Result (mg/L)	RL	Flags
Hexavalent Chromium	ND	0.01	

STL Seattle

Lab ID:	Method Blank - VOA1358
Date Received:	-
Date Prepared:	6/17/2005
Date Analyzed:	6/17/2005
% Solids	-
Dilution Factor	1

Volatile Organics by USEPA Method 5035\8260B

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Dibromofluoromethane	92.9		80	120
Fluorobenzene	101		80	120
Toluene-D8	103		80	120
Ethylbenzene-d10	102		80	120
Bromofluorobenzene	99		80	120
Trifluorotoluene	94.6		80	120

Analyte	**Result (ug/L)**	**RL**	**Flags**
Dichlorodifluoromethane	ND	1	
Chloromethane	ND	1	
Vinyl chloride	ND	1	
Bromomethane	ND	1	
Chloroethane	ND	1	
Trichlorofluoromethane	ND	1	
1,1-Dichloroethene	ND	1	
Methylene chloride	ND	1	
Methyl tert-butyl ether	ND	1	
trans-1,2-Dichloroethene	ND	1	
1,1-Dichloroethane	ND	1	
2,2-Dichloropropane	ND	1	
cis-1,2-Dichloroethene	ND	1	
Bromochloromethane	ND	1	
Chloroform	ND	1	
1,1,1-Trichloroethane	ND	1	
Carbon Tetrachloride	ND	1	
1,1-Dichloropropene	ND	1	
Benzene	ND	1	
1,2-Dichloroethane	ND	1	
Trichloroethene	ND	1	
1,2-Dichloropropane	ND	1	
Dibromomethane	ND	1	
Bromodichloromethane	ND	1	
cis-1,3-Dichloropropene	ND	1	
Toluene	ND	1	

STL Seattle

Volatile Organics by USEPA Method 5035\8260B data for VOA1358 continued...

Analyte	Result (ug/L)	RL	Flags
trans-1,3-Dichloropropene	ND	1	
1,1,2-Trichloroethane	ND	1	
Tetrachloroethene	ND	1	
1,3-Dichloropropane	ND	1	
Dibromochloromethane	ND	1	
1,2-Dibromoethane	ND	1	
Chlorobenzene	ND	1	
Ethylbenzene	ND	1	
1,1,1,2-Tetrachloroethane	ND	1	
m,p-Xylene	ND	2	
o-Xylene	ND	1	
Styrene	ND	1	
Bromoform	ND	1	
Isopropylbenzene	ND	1	
Bromobenzene	ND	1	
n-Propylbenzene	ND	1	
1,1,2,2-Tetrachloroethane	ND	1	
1,2,3-Trichloropropane	ND	1	
2-Chlorotoluene	ND	1	
1,3,5-Trimethylbenzene	ND	1	
4-Chlorotoluene	ND	1	
t-Butylbenzene	ND	1	
1,2,4-Trimethylbenzene	ND	1	
sec-Butylbenzene	ND	1	
1,3-Dichlorobenzene	ND	1	
4-Isopropyltoluene	ND	1	
1,4-Dichlorobenzene	ND	1	
n-Butylbenzene	ND	1	
1,2-Dichlorobenzene	ND	1	
1,2-Dibromo-3-chloropropane	ND	1	
1,2,4-Trichlorobenzene	ND	1	
1,2,3-Trichlorobenzene	ND	1	
Hexachlorobutadiene	ND	1	
Naphthalene	ND	1	

STL Seattle

Lab ID:	Method Blank - VOA1371
Date Received:	-
Date Prepared:	6/21/05
Date Analyzed:	6/21/05
% Solids	
Dilution Factor	1

Volatile Organics by USEPA Method 5030/8260B

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Dibromofluoromethane	87.7		75	125
Fluorobenzene	86.5		75	125
Toluene-D8	89.8		75	125
Ethylbenzene-d10	88.4		75	125
Bromofluorobenzene	89.4		75	125
Trifluorotoluene	124		75	125

Sample results are on an as received basis.

Analyte	Result (ug/kg)	RL	Flags
Dichlorodifluoromethane	ND	1	
Chloromethane	ND	1	
Vinyl chloride	ND	1	
Bromomethane	ND	1	
Chloroethane	ND	1	
Trichlorofluoromethane	ND	1	
1,1-Dichloroethene	ND	1	
Methylene chloride	9.75	1	N
trans-1,2-Dichloroethene	ND	1	
1,1-Dichloroethane	ND	1	
2,2-Dichloropropane	ND	1	
cis-1,2-Dichloroethene	ND	1	
Bromochloromethane	ND	1	
Chloroform	ND	1	
1,1,1-Trichloroethane	ND	1	
Carbon Tetrachloride	ND	1	
1,1-Dichloropropene	ND	1	
Benzene	ND	1	
1,2-Dichloroethane	ND	1	
Trichloroethene	ND	1	
1,2-Dichloropropane	ND	1	
Dibromomethane	ND	1	
Bromodichloromethane	ND	1	
cis-1,3-Dichloropropene	ND	1	
Toluene	ND	1	
trans-1,3-Dichloropropene	ND	1	

STL Seattle

Volatile Organics by USEPA Method 5030/8260B data for VOA1371 continued...

Analyte	Result (ug/kg)	RL	Flags
1,1,2-Trichloroethane	ND	1	
Tetrachloroethene	ND	1	
1,3-Dichloropropane	ND	1	
Dibromochloromethane	ND	1	
1,2-Dibromoethane	ND	1	
Chlorobenzene	ND	1	
Ethylbenzene	ND	1	
1,1,1,2-Tetrachloroethane	ND	1	
m,p-Xylene	ND	2	
o-Xylene	ND	1	
Styrene	ND	1	
Bromoform	ND	1	
Isopropylbenzene	ND	1	
Bromobenzene	ND	1	
n-Propylbenzene	ND	1	
1,1,2,2-Tetrachloroethane	ND	1	
1,2,3-Trichloropropane	ND	1	
2-Chlorotoluene	ND	1	
1,3,5-Trimethylbenzene	ND	1	
4-Chlorotoluene	ND	1	
t-Butylbenzene	ND	1	
1,2,4-Trimethylbenzene	ND	1	
sec-Butylbenzene	ND	1	
1,3-Dichlorobenzene	ND	1	
4-Isopropyltoluene	ND	1	
1,4-Dichlorobenzene	ND	1	
n-Butylbenzene	ND	1	
1,2-Dichlorobenzene	ND	1	
1,2-Dibromo-3-chloropropane	ND	1	
1,3,5-Trichlorobenzene	ND	1	
1,2,4-Trichlorobenzene	ND	1	
1,2,3-Trichlorobenzene	ND	1	
Hexachlorobutadiene	ND	1	
Naphthalene	ND	1	

STL Seattle

Lab ID:	Method Blank - VOA1374
Date Received:	-
Date Prepared:	6/22/05
Date Analyzed:	6/22/05
% Solids	
Dilution Factor	1

Volatile Organics by USEPA Method 5030/8260B

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Dibromofluoromethane	90.1		75	125
Fluorobenzene	87.7		75	125
Toluene-D8	89.7		75	125
Ethylbenzene-d10	87.5		75	125
Bromofluorobenzene	88.5		75	125
Trifluorotoluene	110		75	125

Sample results are on an as received basis.

Analyte	Result (ug/kg)	RL	Flags
Dichlorodifluoromethane	ND	1	
Chloromethane	ND	1	
Vinyl chloride	ND	1	
Bromomethane	ND	1	
Chloroethane	ND	1	
Trichlorofluoromethane	ND	1	
1,1-Dichloroethene	ND	1	
Methylene chloride	ND	1	
trans-1,2-Dichloroethene	ND	1	
1,1-Dichloroethane	ND	1	
2,2-Dichloropropane	ND	1	
cis-1,2-Dichloroethene	ND	1	
Bromochloromethane	ND	1	
Chloroform	ND	1	
1,1,1-Trichloroethane	ND	1	
Carbon Tetrachloride	ND	1	
1,1-Dichloropropene	ND	1	
Benzene	ND	1	
1,2-Dichloroethane	ND	1	
Trichloroethene	ND	1	
1,2-Dichloropropane	ND	1	
Dibromomethane	ND	1	
Bromodichloromethane	ND	1	
cis-1,3-Dichloropropene	ND	1	
Toluene	ND	1	
trans-1,3-Dichloropropene	ND	1	

STL Seattle

Volatile Organics by USEPA Method 5030/8260B data for VOA1374 continued...

Analyte	Result (ug/kg)	RL	Flags
1,1,2-Trichloroethane	ND	1	
Tetrachloroethene	ND	1	
1,3-Dichloropropane	ND	1	
Dibromochloromethane	ND	1	
1,2-Dibromoethane	ND	1	
Chlorobenzene	ND	1	
Ethylbenzene	ND	1	
1,1,1,2-Tetrachloroethane	ND	1	
m,p-Xylene	ND	2	
o-Xylene	ND	1	
Styrene	ND	1	
Bromoform	ND	1	
Isopropylbenzene	ND	1	
Bromobenzene	ND	1	
n-Propylbenzene	ND	1	
1,1,2,2-Tetrachloroethane	ND	1	
1,2,3-Trichloropropane	ND	1	
2-Chlorotoluene	ND	1	
1,3,5-Trimethylbenzene	ND	1	
4-Chlorotoluene	ND	1	
t-Butylbenzene	ND	1	
1,2,4-Trimethylbenzene	ND	1	
sec-Butylbenzene	ND	1	
1,3-Dichlorobenzene	ND	1	
4-Isopropyltoluene	ND	1	
1,4-Dichlorobenzene	ND	1	
n-Butylbenzene	ND	1	
1,2-Dichlorobenzene	ND	1	
1,2-Dibromo-3-chloropropane	ND	1	
1,3,5-Trichlorobenzene	ND	1	
1,2,4-Trichlorobenzene	ND	1	
1,2,3-Trichlorobenzene	ND	1	
Hexachlorobutadiene	ND	1	
Naphthalene	ND	1	

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	VOA1358
Date Prepared:	6/17/2005
Date Analyzed:	6/17/2005
QC Batch ID:	VOA1358

Volatile Organics by USEPA Method 5035\8260B

Compound Name	Blank Result (ug/L)	Spike Amount (ug/L)	BS Result (ug/L)	BS % Rec.	BSD Result (ug/L)	BSD % Rec.	RPD	Flag
1,1-Dichloroethene	0	5	4.65	93.1	4.35	86.9	-6.9	
Benzene	0	5	4.44	88.9	4.53	90.5	1.8	
Trichloroethene	0	5	4.52	90.4	5.03	101	11	
Toluene	0	5	4.64	92.8	4.73	94.5	1.8	
Chlorobenzene	0	5	4.82	96.4	5.03	101	4.7	

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	VOA1371
Date Prepared:	6/21/05
Date Analyzed:	6/21/05
QC Batch ID:	VOA1371

Volatile Organics by USEPA Method 5030/8260B

Compound Name	Blank Result (ug/kg)	Spike Amount (ug/kg)	BS Result (ug/kg)	BS % Rec.	BSD Result (ug/kg)	BSD % Rec.	RPD	Flag
1,1-Dichloroethene	0	4	4.22	105	4.22	105	0	
Benzene	0	4	3.74	93.6	3.98	99.5	6.1	
Trichloroethene	0	4	4.2	105	4.29	107	1.9	
Toluene	0	4	4.06	101	4.29	107	5.8	
Chlorobenzene	0	4	4.12	103	4.9	122	17	

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	VOA1374
Date Prepared:	6/22/05
Date Analyzed:	6/22/05
QC Batch ID:	VOA1374

Volatile Organics by USEPA Method 5030/8260B

Compound Name	Blank Result (ug/kg)	Spike Amount (ug/kg)	BS Result (ug/kg)	BS % Rec.	BSD Result (ug/kg)	BSD % Rec.	RPD	Flag
1,1-Dichloroethene	0	4	4.21	105	4.14	104	-0.96	
Benzene	0	4	4.05	101	4.03	101	0	
Trichloroethene	0	4	4.16	104	4.23	106	1.9	
Toluene	0	4	4.14	104	4.24	106	1.9	
Chlorobenzene	0	4	4.32	108	4.47	112	3.6	

STL Seattle

Lab ID:	Method Blank - DS1485
Date Received:	-
Date Prepared:	6/9/2005
Date Analyzed:	6/9/2005
% Solids	
Dilution Factor	1

NWTPH-HCID - Hydrocarbon Identification Method for Soil Modified

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
1-bromo-4-fluorobenzene	78.3		50	150
o-terphenyl	85.5		50	150

Sample results are on an as received basis.

Analyte	**Result (mg/kg)**	**RL**	**Flags**
Gasoline (Toluene-nC12)	<20	20	
#2 Diesel (>nC12-nC24)	<50	50	
Motor Oil (>nC24-nC32)	<100	100	

STL Seattle

Duplicate Report

Client Sample ID:	GP2-S-1.0
Lab ID:	128268-03
Date Prepared:	6/9/2005
Date Analyzed:	6/10/2005
QC Batch ID:	DS1485

NWTPH-HCID - Hydrocarbon Identification Method for Soil Modified

Parameter Name	Sample Result (mg/kg)	Duplicate Result (mg/kg)	RPD %	Flag
Gasoline (Toluene-nC12)	<	<	NC	
#2 Diesel (>nC12-nC24)	<	<	NC	
Motor Oil (>nC24-nC32)	<	<	NC	

STL Seattle

Lab ID:	Method Blank - DP1312
Date Received:	-
Date Prepared:	6/13/05
Date Analyzed:	6/14/05
Dilution Factor	1

Dissolved Metals by ICP - USEPA Method 6010

Analyte	Result (mg/L)	RL	Flags
Chromium	ND	0.02	

STL Seattle

Matrix Spike Report

Client Sample ID:	CW005
Lab ID:	128283-01
Date Prepared:	6/13/05
Date Analyzed:	6/14/05
QC Batch ID:	DP1312

Dissolved Metals by ICP - USEPA Method 6010

Parameter Name	Sample Result (mg/L)	Spike Amount (mg/L)	MS Result (mg/L)	MS % Rec.	Flag
Chromium	0	0.4	0.381	95	

STL Seattle

Duplicate Report

Client Sample ID:	CW005
Lab ID:	128283-01
Date Prepared:	6/13/05
Date Analyzed:	6/14/05
QC Batch ID:	DP1312

Dissolved Metals by ICP - USEPA Method 6010

Parameter Name	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD %	Flag
Chromium	0	0	NC	

STL Seattle

Lab ID:	Method Blank - SP1307
Date Received:	-
Date Prepared:	6/10/05
Date Analyzed:	6/14/05
Dilution Factor	1

Metals by ICP - USEPA Method 6010

Sample results are on an as received basis.

Analyte	Result (mg/kg)	RL	Flags
Chromium	ND	2	

STL Seattle

Matrix Spike Report

Client Sample ID:	MPPR-A1-P
Lab ID:	128289-01
Date Prepared:	6/10/05
Date Analyzed:	6/14/05
QC Batch ID:	SP1307

Metals by ICP - USEPA Method 6010

Parameter Name	Sample Result (mg/kg)	Spike Amount (mg/kg)	MS Result (mg/kg)	MS % Rec.	Flag
Chromium	32.5	43.2	82.3	116	

STL Seattle

Duplicate Report

Client Sample ID:	MPPR-A1-P
Lab ID:	128289-01
Date Prepared:	6/10/05
Date Analyzed:	6/14/05
QC Batch ID:	SP1307

Metals by ICP - USEPA Method 6010

Parameter Name	Sample Result (mg/kg)	Duplicate Result (mg/kg)	RPD %	Flag
Chromium	32	30	6.5	

STL Seattle

Lab ID:	Method Blank - CR214S
Date Received:	-
Date Prepared:	6/9/05
Date Analyzed:	6/10/05
Dilution Factor	1

Hexavalent Chromium by ICP - USEPA Method 7195/6010

Sample results are on an as received basis.

Analyte	Result (mg/kg)	RL	Flags
Hexavalent Chromium	ND	0.1	

STL Seattle

Lab ID:	Method Blank - CR215W
Date Received:	-
Date Prepared:	6/10/05
Date Analyzed:	6/10/05
Dilution Factor	1

Hexavalent Chromium by ICP - USEPA Method 7195/6010

Analyte	Result (mg/L)	RL	Flags
Hexavalent Chromium	ND	0.01	

STL Seattle

Matrix Spike Report

Client Sample ID:	GP1-S-1.5
Lab ID:	128268-01
Date Prepared:	6/9/05
Date Analyzed:	6/10/05
QC Batch ID:	CR214S

Hexavalent Chromium by ICP - USEPA Method 7195/6010

Parameter Name	Sample Result (mg/kg)	Spike Amount (mg/kg)	MS Result (mg/kg)	MS % Rec.	Flag
Chromium	152	104	275	118	

STL Seattle

Matrix Spike Report

Client Sample ID:	MW3-0605
Lab ID:	128268-04
Date Prepared:	6/10/05
Date Analyzed:	6/10/05
QC Batch ID:	CR215W

Hexavalent Chromium by ICP - USEPA Method 7195/6010

Parameter Name	Sample Result (mg/L)	Spike Amount (mg/L)	MS Result (mg/L)	MS % Rec.	Flag
Chromium	0	1	0.233	23	x7

STL Seattle

Duplicate Report

Client Sample ID:	GP1-S-1.5
Lab ID:	128268-01
Date Prepared:	6/9/05
Date Analyzed:	6/10/05
QC Batch ID:	CR214S

Hexavalent Chromium by ICP - USEPA Method 7195/6010

Parameter Name	Sample Result (mg/kg)	Duplicate Result (mg/kg)	RPD %	Flag
Chromium	150	150	0.0	

STL Seattle

Duplicate Report

Client Sample ID:	MW3-0605
Lab ID:	128268-04
Date Prepared:	6/10/05
Date Analyzed:	6/10/05
QC Batch ID:	CR215W

Hexavalent Chromium by ICP - USEPA Method 7195/6010

Parameter Name	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD %	Flag
Chromium	0	0	NC	

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	CR214S
Date Prepared:	6/9/05
Date Analyzed:	6/10/05
QC Batch ID:	CR214S

Hexavalent Chromium by ICP - USEPA Method 7195/6010

Compound Name	Blank Result (mg/kg)	Spike Amount (mg/kg)	BS Result (mg/kg)	BS % Rec.	BSD Result (mg/kg)	BSD % Rec.	RPD	Flag
Chromium	0	100	106	106	104	104	-1.9	

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	CR215W
Date Prepared:	6/10/05
Date Analyzed:	6/10/05
QC Batch ID:	CR215W

Hexavalent Chromium by ICP - USEPA Method 7195/6010

Compound Name	Blank Result (mg/L)	Spike Amount (mg/L)	BS Result (mg/L)	BS % Rec.	BSD Result (mg/L)	BSD % Rec.	RPD	Flag
Chromium	0	1	0.962	96.2	0.949	94.9	-1.4	

SEVERN TRENT STL

STL Seattle
5755 8th Street East
Tacoma, WA 98424

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www.stl-inc.com

DATA QUALIFIERS AND ABBREVIATIONS

B1: This analyte was detected in the associated method blank. The analyte concentration was determined not to be significantly higher than the associated method blank (less than ten times the concentration reported in the blank).

B2: This analyte was detected in the associated method blank. The analyte concentration in the sample was determined to be significantly higher than the method blank (greater than ten times the concentration reported in the blank).

C1: Second column confirmation was performed. The relative percent difference value (RPD) between the results on the two columns was evaluated and determined to be < 40%.

C2: Second column confirmation was performed. The RPD between the results on the two columns was evaluated and determined to be > 40%. The higher result was reported unless anomalies were noted.

C3: Second analysis confirmation was performed. The relative percent difference value (RPD) between the results on the two columns was evaluated and determined to be ≤ 30%.

C4: Second analysis confirmation was performed. The RPD between the results on the two columns was evaluated and determined to be > 30%. The original analysis was reported unless anomalies were noted.

M: GC/MS confirmation was performed. The result derived from the original analysis was reported.

D: The reported result for this analyte was calculated based on a secondary dilution factor.

E: The concentration of this analyte exceeded the instrument calibration range and should be considered an estimated quantity.

The analyte was analyzed for and positively identified, but the associated numerical value is an estimated quantity.

MCL: Maximum Contaminant Level

MDL: Method Detection Limit

RL: Reporting Limit

N: See analytical narrative

ND: Not Detected

X1: Contaminant does not appear to be "typical" product. Elution pattern suggests it may be _____.

X2: Contaminant does not appear to be "typical" product.

X3: Identification and quantitation of the analyte or surrogate was complicated by matrix interference.

X4: RPD for duplicates was outside advisory QC limits. The sample was re-analyzed with similar results. The sample matrix may be nonhomogeneous.

X4a: RPD for duplicates outside advisory QC limits due to analyte concentration near the method practical quantitation limit/detection limit.

X5: Matrix spike recovery was not determined due to the required dilution.

X6: Recovery and/or RPD values for matrix spike(/matrix spike duplicate) outside advisory QC limits. Sample was re-analyzed with similar results.

X7: Recovery and/or RPD values for matrix spike(/matrix spike duplicate) outside advisory QC limits. Matrix interference may be indicated based on acceptable blank spike recovery and/or RPD.

X7a: Recovery and/or RPD values for this spiked analyte outside advisory QC limits due to high concentration of the analyte in the original sample.

Surrogate recovery was not determined due to the required dilution.

X9: Surrogate recovery outside advisory QC limits due to matrix interference.

00047

Chain of Custody Record

Sm 6/7/05 Maul Foster & Alongi

~~PRECISION ENGINEERING~~

SEVERN TRENT STL

STL Seattle
5755 8th Street E.
Tacoma, WA 98424
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VIA OV
8°C
128268

00048

Client: ~~PRECISION ENGINEERING~~	Project Manager: ALISTAIR CLARY		Date: 6/7/05	Chain of Custody Number: 15991	
Address: Sm → 7223 NE HAZEL DELL AVE ~~VANCOUVER~~ Suite B	Telephone Number (Area Code)/Fax Number: 360.694.2691		Lab Number	Page 1 of 1	
City: Sm → VANCOUVER, WA 98665	State: WA	Zip Code: 98665	Site Contact: George Card.II	Lab Contact: T. Boyden / T. Coyer	
Project Name and Location (State): PRECISION ENGINEERING / Seattle WA	Carrier/Waybill Number:				
Contract/Purchase Order/Quote No.: 0053.01.03					

Analysis (Attach list if more space is needed)

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Ascorbic Acid	Total Chrom (6010)	Hex Chrom 7196	VOCs (5035)	HCID (NWTPH-Dx)	NWTPH-Dx	NWTPH-Gx	LEAD (6010)	PAHs (8270SIM)	PCBs (8082)	Diss. Chrom (6010B)	VOCs (8260B)
GP1-S-1.5	6/7/05	0930				X	X				X		X	X	X	X	X							
GP1-S-6.0		1015				X	X				X		X	X	X	X	X							
GP2-S-1.0		1100				X	X				X		X	X	X	X	X							
MW3-0605		1610		X			X		X					X	X	X	X						X	X
TRIP BLANK																								

SF 6/7/05

DISS. CROMIUM FIELD FILTER

Special Instructions/ Conditions of Receipt

* *

FOR SOIL SAMPLES:
IF GROs ARE DETECT ANALYZE FOR lead + TPH will be quant using NWTPH-Gx. IF DIESEL OR RESIDUAL RANGE petroleum hydrocarbons are detected, samples should be analyzed using bpe PAHs (8270-SIM) + TPH will be quantified by NWTPH-Dx. IF Residual range hydrocarbons are detected, one sample will be analyzed for PCB

(A fee may be assessed if samples are retained longer than 1 month)

Cooler: ☐ Yes ☐ No Cooler Temp:_____

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Turn Around Time Required (business days): ☐ 24 Hours ☐ 48 Hours ☐ 5 Days ☐ 10 Days ☐ 15 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Scott Maulding	6/8/05	1000	1. Received By: STL	6/8/05	10:00
2. Relinquished By:	6/8/05	1250	2. Received By:	6/8/05	1250
3. Relinquished By:			3. Received By:		

Comments

DISTRIBUTION: WHITE – Stays with the Samples; CANARY – Returned to Client with Report; PINK – Field Copy

STL8274-580 (12/02)

SEVERN TRENT STL

STL Seattle
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Tacoma, WA 98424

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TRANSMITTAL MEMORANDUM

DATE: July 1, 2005

TO: Alan Hughes
Maul Foster & Alongi, Inc.
7223 NE Hazel Dell Ave., Suite B
Vancouver, WA 98665

PROJECT: Precision Engineering, Seattle WA

REPORT NUMBER: 128318

TOTAL NUMBER OF PAGES: _____

Enclosed are the test results for nine samples received at STL Seattle on June 10, 2005.

The report consists of this transmittal memo, analytical results, quality control reports, a copy of the chain-of-custody, a list of data qualifiers and analytical narrative when applicable, and a copy of any requested raw data.

Should there be any questions regarding this report, please contact me at (253) 922-2310.

Sincerely,

Tom Coyner
Project Manager

STL Seattle

Sample Identification:

Lab. No.	Client ID	Date/Time Sampled	Matrix
128318-1	GP2-S-10.0	06-09-05 08:30	solid
128318-2	GP1-S-10.0	06-09-05 15:00	solid
128318-3	GP3-S-2.0	06-09-05 15:00	solid
128318-4	GP3-S-6.0	06-09-05 15:45	solid
128318-5	GP3-S-14	06-09-05 16:15	solid
128318-6	GP2-W-17-RECON	06-09-05 17:00	liquid
128318-7	MW4-0605	06-08-05 11:25	liquid
128318-8	MW4DUP-0605	06-08-05 11:25	liquid
128318-9	Trip Blank		liquid

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP2-S-10.0
Lab ID:	128318-01
Date Received:	6/10/05
Date Prepared:	6/23/05
Date Analyzed:	6/23/05
% Solids	91.45
Dilution Factor	0.1

Volatile Organics by USEPA Method 5035\8260B

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Dibromofluoromethane	88.3		75	125
Fluorobenzene	99.9		75	125
Toluene-D8	109		75	125
Ethylbenzene-d10	107		75	125
Bromofluorobenzene	106		75	125
Trifluorotoluene	104		75	125

Sample results are on a dry weight basis.

Analyte		**Result (ug/kg)**	**RL**	**Flags**
Dichlorodifluoromethane	ND		44	
Chloromethane	ND		44	
Vinyl chloride	ND		8.81	
Bromomethane	ND		44	
Chloroethane	ND		88.1	
Trichlorofluoromethane	ND		44	
1,1-Dichloroethene	ND		8.81	
Methylene chloride	ND		8.81	
trans-1,2-Dichloroethene	ND		44	
1,1-Dichloroethane	ND		44	
2,2-Dichloropropane	ND		44	
cis-1,2-Dichloroethene	ND		44	
Bromochloromethane	ND		44	
Chloroform	ND		44	
1,1,1-Trichloroethane	ND		8.81	
Carbon Tetrachloride	ND		8.81	
1,1-Dichloropropene	ND		44	
Benzene	ND		8.81	
1,2-Dichloroethane	ND		8.81	
Trichloroethene	ND		8.81	
1,2-Dichloropropane	ND		8.81	
Dibromomethane	ND		44	
Bromodichloromethane	ND		44	
cis-1,3-Dichloropropene	ND		44	
Toluene	ND		44	
trans-1,3-Dichloropropene	ND		44	

STL Seattle

Volatile Organics by USEPA Method 5035\8260B data for 128318-01 continued...

Analyte	Result (ug/kg)	RL	Flags
1,1,2-Trichloroethane	ND	44	
Tetrachloroethene	ND	8.81	
1,3-Dichloropropane	ND	8.81	
Dibromochloromethane	ND	44	
1,2-Dibromoethane	ND	1.61	
Chlorobenzene	ND	44	
Ethylbenzene	ND	44	
1,1,1,2-Tetrachloroethane	ND	44	
m,p-Xylene	ND	88.1	
o-Xylene	ND	44	
Styrene	ND	44	
Bromoform	ND	44	
Isopropylbenzene	ND	44	
Bromobenzene	ND	44	
n-Propylbenzene	ND	44	
1,1,2,2-Tetrachloroethane	ND	8.81	
1,2,3-Trichloropropane	ND	8.81	
2-Chlorotoluene	ND	44	
1,3,5-Trimethylbenzene	ND	44	
4-Chlorotoluene	ND	44	
t-Butylbenzene	ND	44	
1,2,4-Trimethylbenzene	ND	44	
sec-Butylbenzene	ND	44	
1,3-Dichlorobenzene	ND	44	
4-Isopropyltoluene	ND	44	
1,4-Dichlorobenzene	ND	44	
n-Butylbenzene	ND	44	
1,2-Dichlorobenzene	ND	44	
1,2-Dibromo-3-chloropropane	ND	44	
1,2,4-Trichlorobenzene	ND	44	
1,2,3-Trichlorobenzene	ND	44	
Hexachlorobutadiene	ND	44	
Naphthalene	ND	44	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP1-S-10.0
Lab ID:	128318-02
Date Received:	6/10/05
Date Prepared:	6/23/05
Date Analyzed:	6/23/05
% Solids	93.64
Dilution Factor	0.1

Volatile Organics by USEPA Method 5035\8260B

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Dibromofluoromethane	92.2		75	125
Fluorobenzene	102		75	125
Toluene-D8	107		75	125
Ethylbenzene-d10	107		75	125
Bromofluorobenzene	104		75	125
Trifluorotoluene	115		75	125

Sample results are on a dry weight basis.

Analyte	Result (ug/kg)	RL	Flags
Dichlorodifluoromethane	ND	38.2	
Chloromethane	ND	38.2	
Vinyl chloride	ND	7.65	
Bromomethane	ND	38.2	
Chloroethane	ND	76.5	
Trichlorofluoromethane	ND	38.2	
1,1-Dichloroethene	ND	7.65	
Methylene chloride	ND	7.65	
trans-1,2-Dichloroethene	ND	38.2	
1,1-Dichloroethane	ND	38.2	
2,2-Dichloropropane	ND	38.2	
cis-1,2-Dichloroethene	ND	38.2	
Bromochloromethane	ND	38.2	
Chloroform	ND	38.2	
1,1,1-Trichloroethane	ND	7.65	
Carbon Tetrachloride	ND	7.65	
1,1-Dichloropropene	ND	38.2	
Benzene	ND	7.65	
1,2-Dichloroethane	ND	7.65	
Trichloroethene	ND	7.65	
1,2-Dichloropropane	ND	7.65	
Dibromomethane	ND	38.2	
Bromodichloromethane	ND	38.2	
cis-1,3-Dichloropropene	ND	38.2	
Toluene	ND	38.2	
trans-1,3-Dichloropropene	ND	38.2	

STL Seattle

Volatile Organics by USEPA Method 5035\8260B data for 128318-02 continued...

Analyte	Result (ug/kg)	RL	Flags
1,1,2-Trichloroethane	ND	38.2	
Tetrachloroethene	ND	7.65	
1,3-Dichloropropane	ND	7.65	
Dibromochloromethane	ND	38.2	
1,2-Dibromoethane	ND	1.4	
Chlorobenzene	ND	38.2	
Ethylbenzene	ND	38.2	
1,1,1,2-Tetrachloroethane	ND	38.2	
m,p-Xylene	ND	76.5	
o-Xylene	ND	38.2	
Styrene	ND	38.2	
Bromoform	ND	38.2	
Isopropylbenzene	ND	38.2	
Bromobenzene	ND	38.2	
n-Propylbenzene	ND	38.2	
1,1,2,2-Tetrachloroethane	ND	7.65	
1,2,3-Trichloropropane	ND	7.65	
2-Chlorotoluene	ND	38.2	
1,3,5-Trimethylbenzene	ND	38.2	
4-Chlorotoluene	ND	38.2	
t-Butylbenzene	ND	38.2	
1,2,4-Trimethylbenzene	ND	38.2	
sec-Butylbenzene	ND	38.2	
1,3-Dichlorobenzene	ND	38.2	
4-Isopropyltoluene	ND	38.2	
1,4-Dichlorobenzene	ND	38.2	
n-Butylbenzene	ND	38.2	
1,2-Dichlorobenzene	ND	38.2	
1,2-Dibromo-3-chloropropane	ND	38.2	
1,2,4-Trichlorobenzene	ND	38.2	
1,2,3-Trichlorobenzene	ND	38.2	
Hexachlorobutadiene	ND	38.2	
Naphthalene	ND	38.2	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP3-S-2.0
Lab ID:	128318-03
Date Received:	6/10/05
Date Prepared:	6/23/05
Date Analyzed:	6/23/05
% Solids	92.18
Dilution Factor	0.1

Volatile Organics by USEPA Method 5035\8260B

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Dibromofluoromethane	86.4		75	125
Fluorobenzene	99		75	125
Toluene-D8	109		75	125
Ethylbenzene-d10	107		75	125
Bromofluorobenzene	103		75	125
Trifluorotoluene	108		75	125

Sample results are on a dry weight basis.

Analyte	Result (ug/kg)	RL	Flags
Dichlorodifluoromethane	ND	79.5	
Chloromethane	ND	79.5	
Vinyl chloride	ND	15.9	
Bromomethane	ND	79.5	
Chloroethane	ND	159	
Trichlorofluoromethane	ND	79.5	
1,1-Dichloroethene	ND	15.9	
Methylene chloride	ND	15.9	
trans-1,2-Dichloroethene	ND	79.5	
1,1-Dichloroethane	ND	79.5	
2,2-Dichloropropane	ND	79.5	
cis-1,2-Dichloroethene	ND	79.5	
Bromochloromethane	ND	79.5	
Chloroform	ND	79.5	
1,1,1-Trichloroethane	ND	15.9	
Carbon Tetrachloride	ND	15.9	
1,1-Dichloropropene	ND	79.5	
Benzene	ND	15.9	
1,2-Dichloroethane	ND	15.9	
Trichloroethene	ND	15.9	
1,2-Dichloropropane	ND	15.9	
Dibromomethane	ND	79.5	
Bromodichloromethane	ND	79.5	
cis-1,3-Dichloropropene	ND	79.5	
Toluene	ND	79.5	
trans-1,3-Dichloropropene	ND	79.5	

STL Seattle

Volatile Organics by USEPA Method 5035\8260B data for 128318-03 continued...

Analyte	Result (ug/kg)	RL	Flags
1,1,2-Trichloroethane	ND	79.5	
Tetrachloroethene	ND	15.9	
1,3-Dichloropropane	ND	15.9	
Dibromochloromethane	ND	79.5	
1,2-Dibromoethane	ND	2.91	
Chlorobenzene	ND	79.5	
Ethylbenzene	ND	79.5	
1,1,1,2-Tetrachloroethane	ND	79.5	
m,p-Xylene	ND	159	
o-Xylene	ND	79.5	
Styrene	ND	79.5	
Bromoform	ND	79.5	
Isopropylbenzene	ND	79.5	
Bromobenzene	ND	79.5	
n-Propylbenzene	ND	79.5	
1,1,2,2-Tetrachloroethane	ND	15.9	
1,2,3-Trichloropropane	ND	15.9	
2-Chlorotoluene	ND	79.5	
1,3,5-Trimethylbenzene	ND	79.5	
4-Chlorotoluene	ND	79.5	
t-Butylbenzene	ND	79.5	
1,2,4-Trimethylbenzene	ND	79.5	
sec-Butylbenzene	ND	79.5	
1,3-Dichlorobenzene	ND	79.5	
4-Isopropyltoluene	ND	79.5	
1,4-Dichlorobenzene	ND	79.5	
n-Butylbenzene	ND	79.5	
1,2-Dichlorobenzene	ND	79.5	
1,2-Dibromo-3-chloropropane	ND	79.5	
1,2,4-Trichlorobenzene	ND	79.5	
1,2,3-Trichlorobenzene	ND	79.5	
Hexachlorobutadiene	ND	79.5	
Naphthalene	ND	79.5	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP3-S-6.0
Lab ID:	128318-04
Date Received:	6/10/05
Date Prepared:	6/23/05
Date Analyzed:	6/23/05
% Solids	91.2
Dilution Factor	0.1

Volatile Organics by USEPA Method 5035\8260B

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Dibromofluoromethane	88.1		75	125
Fluorobenzene	101		75	125
Toluene-D8	108		75	125
Ethylbenzene-d10	105		75	125
Bromofluorobenzene	103		75	125
Trifluorotoluene	108		75	125

Sample results are on a dry weight basis.

Analyte	**Result (ug/kg)**	**RL**	**Flags**
Dichlorodifluoromethane	ND	44.8	
Chloromethane	ND	44.8	
Vinyl chloride	ND	8.96	
Bromomethane	ND	44.8	
Chloroethane	ND	89.6	
Trichlorofluoromethane	ND	44.8	
1,1-Dichloroethene	ND	8.96	
Methylene chloride	ND	8.96	
trans-1,2-Dichloroethene	ND	44.8	
1,1-Dichloroethane	ND	44.8	
2,2-Dichloropropane	ND	44.8	
cis-1,2-Dichloroethene	ND	44.8	
Bromochloromethane	ND	44.8	
Chloroform	ND	44.8	
1,1,1-Trichloroethane	ND	8.96	
Carbon Tetrachloride	ND	8.96	
1,1-Dichloropropene	ND	44.8	
Benzene	ND	8.96	
1,2-Dichloroethane	ND	8.96	
Trichloroethene	ND	8.96	
1,2-Dichloropropane	ND	8.96	
Dibromomethane	ND	44.8	
Bromodichloromethane	ND	44.8	
cis-1,3-Dichloropropene	ND	44.8	
Toluene	ND	44.8	
trans-1,3-Dichloropropene	ND	44.8	

STL Seattle

Volatile Organics by USEPA Method 5035\8260B data for 128318-04 continued...

Analyte	Result (ug/kg)	RL	Flags
1,1,2-Trichloroethane	ND	44.8	
Tetrachloroethene	ND	8.96	
1,3-Dichloropropane	ND	8.96	
Dibromochloromethane	ND	44.8	
1,2-Dibromoethane	ND	1.64	
Chlorobenzene	ND	44.8	
Ethylbenzene	ND	44.8	
1,1,1,2-Tetrachloroethane	ND	44.8	
m,p-Xylene	ND	89.6	
o-Xylene	ND	44.8	
Styrene	ND	44.8	
Bromoform	ND	44.8	
Isopropylbenzene	ND	44.8	
Bromobenzene	ND	44.8	
n-Propylbenzene	ND	44.8	
1,1,2,2-Tetrachloroethane	ND	8.96	
1,2,3-Trichloropropane	ND	8.96	
2-Chlorotoluene	ND	44.8	
1,3,5-Trimethylbenzene	ND	44.8	
4-Chlorotoluene	ND	44.8	
t-Butylbenzene	ND	44.8	
1,2,4-Trimethylbenzene	ND	44.8	
sec-Butylbenzene	ND	44.8	
1,3-Dichlorobenzene	ND	44.8	
4-Isopropyltoluene	ND	44.8	
1,4-Dichlorobenzene	ND	44.8	
n-Butylbenzene	ND	44.8	
1,2-Dichlorobenzene	ND	44.8	
1,2-Dibromo-3-chloropropane	ND	44.8	
1,2,4-Trichlorobenzene	ND	44.8	
1,2,3-Trichlorobenzene	ND	44.8	
Hexachlorobutadiene	ND	44.8	
Naphthalene	ND	44.8	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP3-S-14
Lab ID:	128318-05
Date Received:	6/10/05
Date Prepared:	6/23/05
Date Analyzed:	6/23/05
% Solids	91.68
Dilution Factor	0.1

Volatile Organics by USEPA Method 5035\8260B

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Dibromofluoromethane	89.1		75	125
Fluorobenzene	99.9		75	125
Toluene-D8	108		75	125
Ethylbenzene-d10	106		75	125
Bromofluorobenzene	102		75	125
Trifluorotoluene	110		75	125

Sample results are on a dry weight basis.

Analyte	**Result (ug/kg)**	**RL**	**Flags**
Dichlorodifluoromethane	ND	38.5	
Chloromethane	ND	38.5	
Vinyl chloride	ND	7.71	
Bromomethane	ND	38.5	
Chloroethane	ND	77.1	
Trichlorofluoromethane	ND	38.5	
1,1-Dichloroethene	ND	7.71	
Methylene chloride	ND	7.71	
trans-1,2-Dichloroethene	ND	38.5	
1,1-Dichloroethane	ND	38.5	
2,2-Dichloropropane	ND	38.5	
cis-1,2-Dichloroethene	ND	38.5	
Bromochloromethane	ND	38.5	
Chloroform	ND	38.5	
1,1,1-Trichloroethane	ND	7.71	
Carbon Tetrachloride	ND	7.71	
1,1-Dichloropropene	ND	38.5	
Benzene	ND	7.71	
1,2-Dichloroethane	ND	7.71	
Trichloroethene	ND	7.71	
1,2-Dichloropropane	ND	7.71	
Dibromomethane	ND	38.5	
Bromodichloromethane	ND	38.5	
cis-1,3-Dichloropropene	ND	38.5	
Toluene	ND	38.5	
trans-1,3-Dichloropropene	ND	38.5	

STL Seattle

Volatile Organics by USEPA Method 5035\8260B data for 128318-05 continued...

Analyte		Result (ug/kg)	RL	Flags
1,1,2-Trichloroethane	ND		38.5	
Tetrachloroethene	ND		7.71	
1,3-Dichloropropane	ND		7.71	
Dibromochloromethane	ND		38.5	
1,2-Dibromoethane	ND		1.41	
Chlorobenzene	ND		38.5	
Ethylbenzene	ND		38.5	
1,1,1,2-Tetrachloroethane	ND		38.5	
m,p-Xylene	ND		77.1	
o-Xylene	ND		38.5	
Styrene	ND		38.5	
Bromoform	ND		38.5	
Isopropylbenzene	ND		38.5	
Bromobenzene	ND		38.5	
n-Propylbenzene	ND		38.5	
1,1,2,2-Tetrachloroethane	ND		7.71	
1,2,3-Trichloropropane	ND		7.71	
2-Chlorotoluene	ND		38.5	
1,3,5-Trimethylbenzene	ND		38.5	
4-Chlorotoluene	ND		38.5	
t-Butylbenzene	ND		38.5	
1,2,4-Trimethylbenzene	ND		38.5	
sec-Butylbenzene	ND		38.5	
1,3-Dichlorobenzene	ND		38.5	
4-Isopropyltoluene	ND		38.5	
1,4-Dichlorobenzene	ND		38.5	
n-Butylbenzene	ND		38.5	
1,2-Dichlorobenzene	ND		38.5	
1,2-Dibromo-3-chloropropane	ND		38.5	
1,2,4-Trichlorobenzene	ND		38.5	
1,2,3-Trichlorobenzene	ND		38.5	
Hexachlorobutadiene	ND		38.5	
Naphthalene	ND		38.5	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP2-W-17-RECON
Lab ID:	128318-06
Date Received:	6/10/2005
Date Prepared:	6/18/2005
Date Analyzed:	6/19/2005
% Solids	-
Dilution Factor	5

Volatile Organics by USEPA Method 5035\8260B

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Dibromofluoromethane	96.2		80	120
Fluorobenzene	107		80	120
Toluene-D8	96.8		80	120
Ethylbenzene-d10	101		80	120
Bromofluorobenzene	106		80	120
Trifluorotoluene	106		80	120

Analyte	Result (ug/L)	RL	Flags
Dichlorodifluoromethane	ND	5	
Chloromethane	ND	5	
Vinyl chloride	ND	5	
Bromomethane	ND	5	
Chloroethane	ND	5	
Trichlorofluoromethane	ND	5	
1,1-Dichloroethene	ND	5	
Methylene chloride	ND	5	
trans-1,2-Dichloroethene	ND	5	
1,1-Dichloroethane	ND	5	
2,2-Dichloropropane	ND	5	
cis-1,2-Dichloroethene	ND	5	
Bromochloromethane	ND	5	
Chloroform	ND	5	
1,1,1-Trichloroethane	ND	5	
Carbon Tetrachloride	ND	5	
1,1-Dichloropropene	ND	5	
Benzene	ND	5	
1,2-Dichloroethane	ND	5	
Trichloroethene	ND	5	
1,2-Dichloropropane	ND	5	
Dibromomethane	ND	5	
Bromodichloromethane	ND	5	
cis-1,3-Dichloropropene	ND	5	
Toluene	ND	5	
trans-1,3-Dichloropropene	ND	5	

STL Seattle

Volatile Organics by USEPA Method 5035\8260B data for 128318-06 continued...

Analyte	Result (ug/L)	RL	Flags
1,1,2-Trichloroethane	ND	5	
Tetrachloroethene	ND	5	
1,3-Dichloropropane	ND	5	
Dibromochloromethane	ND	5	
1,2-Dibromoethane	ND	5	
Chlorobenzene	ND	5	
Ethylbenzene	ND	5	
1,1,1,2-Tetrachloroethane	ND	5	
m,p-Xylene	ND	10	
o-Xylene	ND	5	
Styrene	ND	5	
Bromoform	ND	5	
Isopropylbenzene	ND	5	
Bromobenzene	ND	5	
n-Propylbenzene	ND	5	
1,1,2,2-Tetrachloroethane	ND	5	
1,2,3-Trichloropropane	ND	5	
2-Chlorotoluene	ND	5	
1,3,5-Trimethylbenzene	ND	5	
4-Chlorotoluene	ND	5	
t-Butylbenzene	ND	5	
1,2,4-Trimethylbenzene	ND	5	
sec-Butylbenzene	ND	5	
1,3-Dichlorobenzene	ND	5	
4-Isopropyltoluene	ND	5	
1,4-Dichlorobenzene	ND	5	
n-Butylbenzene	ND	5	
1,2-Dichlorobenzene	ND	5	
1,2-Dibromo-3-chloropropane	ND	5	
1,2,4-Trichlorobenzene	ND	5	
1,2,3-Trichlorobenzene	ND	5	
Hexachlorobutadiene	ND	5	
Naphthalene	ND	5	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	MW4-0605
Lab ID:	128318-07
Date Received:	6/10/2005
Date Prepared:	6/18/2005
Date Analyzed:	6/19/2005
% Solids	-
Dilution Factor	1

Volatile Organics by USEPA Method 5035\8260B

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Dibromofluoromethane	93.9		80	120
Fluorobenzene	105		80	120
Toluene-D8	103		80	120
Ethylbenzene-d10	101		80	120
Bromofluorobenzene	103		80	120
Trifluorotoluene	101		80	120

Analyte	Result (ug/L)	RL	Flags
Dichlorodifluoromethane	ND	1	
Chloromethane	ND	1	
Vinyl chloride	ND	1	
Bromomethane	ND	1	
Chloroethane	ND	1	
Trichlorofluoromethane	ND	1	
1,1-Dichloroethene	ND	1	
Methylene chloride	ND	1	
trans-1,2-Dichloroethene	ND	1	
1,1-Dichloroethane	ND	1	
2,2-Dichloropropane	ND	1	
cis-1,2-Dichloroethene	ND	1	
Bromochloromethane	ND	1	
Chloroform	ND	1	
1,1,1-Trichloroethane	ND	1	
Carbon Tetrachloride	ND	1	
1,1-Dichloropropene	ND	1	
Benzene	ND	1	
1,2-Dichloroethane	ND	1	
Trichloroethene	ND	1	
1,2-Dichloropropane	ND	1	
Dibromomethane	ND	1	
Bromodichloromethane	ND	1	
cis-1,3-Dichloropropene	ND	1	
Toluene	ND	1	
trans-1,3-Dichloropropene	ND	1	

STL Seattle

Volatile Organics by USEPA Method 5035\8260B data for 128318-07 continued...

Analyte	Result (ug/L)	RL	Flags
1,1,2-Trichloroethane	ND	1	
Tetrachloroethene	ND	1	
1,3-Dichloropropane	ND	1	
Dibromochloromethane	ND	1	
1,2-Dibromoethane	ND	1	
Chlorobenzene	ND	1	
Ethylbenzene	ND	1	
1,1,1,2-Tetrachloroethane	ND	1	
m,p-Xylene	ND	2	
o-Xylene	ND	1	
Styrene	ND	1	
Bromoform	ND	1	
Isopropylbenzene	ND	1	
Bromobenzene	ND	1	
n-Propylbenzene	ND	1	
1,1,2,2-Tetrachloroethane	ND	1	
1,2,3-Trichloropropane	ND	1	
2-Chlorotoluene	ND	1	
1,3,5-Trimethylbenzene	ND	1	
4-Chlorotoluene	ND	1	
t-Butylbenzene	ND	1	
1,2,4-Trimethylbenzene	ND	1	
sec-Butylbenzene	ND	1	
1,3-Dichlorobenzene	ND	1	
4-Isopropyltoluene	ND	1	
1,4-Dichlorobenzene	ND	1	
n-Butylbenzene	ND	1	
1,2-Dichlorobenzene	ND	1	
1,2-Dibromo-3-chloropropane	ND	1	
1,2,4-Trichlorobenzene	ND	1	
1,2,3-Trichlorobenzene	ND	1	
Hexachlorobutadiene	ND	1	
Naphthalene	ND	1	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	MW4DUP-0605
Lab ID:	128318-08
Date Received:	6/10/2005
Date Prepared:	6/18/2005
Date Analyzed:	6/19/2005
% Solids	-
Dilution Factor	1

Volatile Organics by USEPA Method 5035\8260B

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Dibromofluoromethane	94.1		80	120
Fluorobenzene	113		80	120
Toluene-D8	103		80	120
Ethylbenzene-d10	105		80	120
Bromofluorobenzene	111		80	120
Trifluorotoluene	104		80	120

Analyte	**Result (ug/L)**	**RL**	**Flags**
Dichlorodifluoromethane	ND	1	
Chloromethane	ND	1	
Vinyl chloride	ND	1	
Bromomethane	ND	1	
Chloroethane	ND	1	
Trichlorofluoromethane	ND	1	
1,1-Dichloroethene	ND	1	
Methylene chloride	ND	1	
trans-1,2-Dichloroethene	ND	1	
1,1-Dichloroethane	ND	1	
2,2-Dichloropropane	ND	1	
cis-1,2-Dichloroethene	ND	1	
Bromochloromethane	ND	1	
Chloroform	ND	1	
1,1,1-Trichloroethane	ND	1	
Carbon Tetrachloride	ND	1	
1,1-Dichloropropene	ND	1	
Benzene	ND	1	
1,2-Dichloroethane	ND	1	
Trichloroethene	ND	1	
1,2-Dichloropropane	ND	1	
Dibromomethane	ND	1	
Bromodichloromethane	ND	1	
cis-1,3-Dichloropropene	ND	1	
Toluene	ND	1	
trans-1,3-Dichloropropene	ND	1	

STL Seattle

Volatile Organics by USEPA Method 5035\8260B data for 128318-08 continued...

Analyte	Result (ug/L)	RL	Flags
1,1,2-Trichloroethane	ND	1	
Tetrachloroethene	ND	1	
1,3-Dichloropropane	ND	1	
Dibromochloromethane	ND	1	
1,2-Dibromoethane	ND	1	
Chlorobenzene	ND	1	
Ethylbenzene	ND	1	
1,1,1,2-Tetrachloroethane	ND	1	
m,p-Xylene	ND	2	
o-Xylene	ND	1	
Styrene	ND	1	
Bromoform	ND	1	
Isopropylbenzene	ND	1	
Bromobenzene	ND	1	
n-Propylbenzene	ND	1	
1,1,2,2-Tetrachloroethane	ND	1	
1,2,3-Trichloropropane	ND	1	
2-Chlorotoluene	ND	1	
1,3,5-Trimethylbenzene	ND	1	
4-Chlorotoluene	ND	1	
t-Butylbenzene	ND	1	
1,2,4-Trimethylbenzene	ND	1	
sec-Butylbenzene	ND	1	
1,3-Dichlorobenzene	ND	1	
4-Isopropyltoluene	ND	1	
1,4-Dichlorobenzene	ND	1	
n-Butylbenzene	ND	1	
1,2-Dichlorobenzene	ND	1	
1,2-Dibromo-3-chloropropane	ND	1	
1,2,4-Trichlorobenzene	ND	1	
1,2,3-Trichlorobenzene	ND	1	
Hexachlorobutadiene	ND	1	
Naphthalene	ND	1	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP2-W-17-RECON
Lab ID:	128318-06
Date Received:	6/10/2005
Date Prepared:	6/20/2005
Date Analyzed:	6/22/2005
% Solids	-
Dilution Factor	1

Gasoline Range Organics by Method NWTPH-Gx

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Trifluorotoluene	123		50	150
1-Chloro-3-fluorobenzene	102		50	150
Bromofluorobenzene	110		50	150
Pentafluorobenzene	89		50	150

Analyte	**Result (mg/L)**	**RL**	**Flags**
Gasoline by NWTPH-G	ND	0.1	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP2-S-10.0
Lab ID:	128318-01
Date Received:	6/10/2005
Date Prepared:	6/13/2005
Date Analyzed:	6/13/2005
% Solids	91.45
Dilution Factor	1

NWTPH-HCID - Hydrocarbon Identification Method for Soil Modified

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
1-bromo-4-fluorobenzene	75.7		50	150
o-terphenyl	88.9		50	150

Sample results are on a dry weight basis.

Analyte	**Result (mg/kg)**	**RL**	**Flags**
Gasoline (Toluene-nC12)	<21	21	
#2 Diesel (>nC12-nC24)	<52.4	52.4	
Motor Oil (>nC24-nC32)	<105	105	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP1-S-10.0
Lab ID:	128318-02
Date Received:	6/10/2005
Date Prepared:	6/13/2005
Date Analyzed:	6/13/2005
% Solids	93.64
Dilution Factor	1

NWTPH-HCID - Hydrocarbon Identification Method for Soil Modified

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
1-bromo-4-fluorobenzene	80.7		50	150
o-terphenyl	93.5		50	150

Sample results are on a dry weight basis.

Analyte	**Result (mg/kg)**	**RL**	**Flags**
Gasoline (Toluene-nC12)	<19.3	19.3	
#2 Diesel (>nC12-nC24)	<48.3	48.3	
Motor Oil (>nC24-nC32)	<96.6	96.6	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP3-S-2.0
Lab ID:	128318-03
Date Received:	6/10/2005
Date Prepared:	6/13/2005
Date Analyzed:	6/13/2005
% Solids	92.18
Dilution Factor	1

NWTPH-HCID - Hydrocarbon Identification Method for Soil Modified

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
1-bromo-4-fluorobenzene	80.1		50	150
o-terphenyl	84.5		50	150

Sample results are on a dry weight basis.

Analyte	**Result (mg/kg)**	**RL**	**Flags**
Gasoline (Toluene-nC12)	<19.5	19.5	
#2 Diesel (>nC12-nC24)	<48.9	48.9	
Motor Oil (>nC24-nC32)	<97.7	97.7	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP3-S-6.0
Lab ID:	128318-04
Date Received:	6/10/2005
Date Prepared:	6/13/2005
Date Analyzed:	6/13/2005
% Solids	91.2
Dilution Factor	1

NWTPH-HCID - Hydrocarbon Identification Method for Soil Modified

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
1-bromo-4-fluorobenzene	81.1		50	150
o-terphenyl	89.4		50	150

Sample results are on a dry weight basis.

Analyte	**Result (mg/kg)**	**RL**	**Flags**
Gasoline (Toluene-nC12)	<21.9	21.9	
#2 Diesel (>nC12-nC24)	<54.7	54.7	
Motor Oil (>nC24-nC32)	<109	109	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP3-S-14
Lab ID:	128318-05
Date Received:	6/10/2005
Date Prepared:	6/13/2005
Date Analyzed:	6/13/2005
% Solids	91.68
Dilution Factor	1

NWTPH-HCID - Hydrocarbon Identification Method for Soil Modified

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
1-bromo-4-fluorobenzene	85.4		50	150
o-terphenyl	94.4		50	150

Sample results are on a dry weight basis.

Analyte	**Result (mg/kg)**	**RL**	**Flags**
Gasoline (Toluene-nC12)	<21	21	
#2 Diesel (>nC12-nC24)	<52.6	52.6	
Motor Oil (>nC24-nC32)	<105	105	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP2-W-17-RECON
Lab ID:	128318-06
Date Received:	6/10/2005
Date Prepared:	6/13/2005
Date Analyzed:	6/14/2005
% Solids	-
Dilution Factor	1

NWTPH-HCID - Hydrocarbon Identification Method for Water Modified

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
1-bromo-4-fluorobenzene	62.1		50	150
o-terphenyl	97.8		50	150

Analyte	**Result (mg/L)**	**RL**	**Flags**
Gasoline (Toluene-nC12)	>0.0951	0.0951	
#2 Diesel (>nC12-nC24)	<0.238	0.238	
Motor Oil (>nC24-nC32)	<0.476	0.476	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	GP2-S-10.0
Lab ID:	128318-01
Date Received:	6/10/05
Date Prepared:	6/16/05
Date Analyzed:	6/16/05
Dilution Factor	1
% Solids	91.45

Metals by ICP - USEPA Method 6010

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	Flags
Chromium	24.9	2.11	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	GP1-S-10.0
Lab ID:	128318-02
Date Received:	6/10/05
Date Prepared:	6/16/05
Date Analyzed:	6/16/05
Dilution Factor	1
% Solids	93.64

Metals by ICP - USEPA Method 6010

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	Flags
Chromium	73.5	1.91	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	GP3-S-2.0
Lab ID:	128318-03
Date Received:	6/10/05
Date Prepared:	6/16/05
Date Analyzed:	6/16/05
Dilution Factor	1
% Solids	92.18

Metals by ICP - USEPA Method 6010

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	Flags
Chromium	915	2.05	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	GP3-S-6.0
Lab ID:	128318-04
Date Received:	6/10/05
Date Prepared:	6/16/05
Date Analyzed:	6/16/05
Dilution Factor	1
% Solids	91.2

Metals by ICP - USEPA Method 6010

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	Flags
Chromium	1100	2.12	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	GP3-S-14
Lab ID:	128318-05
Date Received:	6/10/05
Date Prepared:	6/16/05
Date Analyzed:	6/16/05
Dilution Factor	1
% Solids	91.68

Metals by ICP - USEPA Method 6010

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	Flags
Chromium	941	2	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	GP2-W-17-RECON
Lab ID:	128318-06
Date Received:	6/10/05
Date Prepared:	6/17/05
Date Analyzed:	6/17/05
Dilution Factor	1

Metals by ICP - USEPA Method 6010

Analyte	Result (mg/L)	RL	Flags
Lead	ND	0.015	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	GP2-S-10.0
Lab ID:	128318-01
Date Received:	6/10/05
Date Prepared:	6/14/05
Date Analyzed:	6/15/05
Dilution Factor	1
% Solids	91.45

Hexavalent Chromium by ICP - USEPA Method 7195/6010

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	Flags
Hexavalent Chromium	ND	0.109	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	GP1-S-10.0
Lab ID:	128318-02
Date Received:	6/10/05
Date Prepared:	6/14/05
Date Analyzed:	6/15/05
Dilution Factor	1
% Solids	93.64

Hexavalent Chromium by ICP - USEPA Method 7195/6010

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	Flags
Hexavalent Chromium	14.4	0.106	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	GP3-S-2.0
Lab ID:	128318-03
Date Received:	6/10/05
Date Prepared:	6/14/05
Date Analyzed:	6/15/05
Dilution Factor	1
% Solids	92.18

Hexavalent Chromium by ICP - USEPA Method 7195/6010

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	Flags
Hexavalent Chromium	27.7	0.101	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	GP3-S-6.0
Lab ID:	128318-04
Date Received:	6/10/05
Date Prepared:	6/14/05
Date Analyzed:	6/15/05
Dilution Factor	1
% Solids	91.2

Hexavalent Chromium by ICP - USEPA Method 7195/6010

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	Flags
Hexavalent Chromium	49.8	0.107	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	GP3-S-14
Lab ID:	128318-05
Date Received:	6/10/05
Date Prepared:	6/14/05
Date Analyzed:	6/15/05
Dilution Factor	1
% Solids	91.68

Hexavalent Chromium by ICP - USEPA Method 7195/6010

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	Flags
Hexavalent Chromium	34.4	0.106	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	GP2-W-17-RECON
Lab ID:	128318-06
Date Received:	6/10/05
Date Prepared:	6/10/05
Date Analyzed:	6/10/05
Dilution Factor	1

Hexavalent Chromium by ICP - USEPA Method 7195/6010

Analyte	Result (mg/L)	RL	Flags
Hexavalent Chromium	4.72	0.01	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	MW4-0605
Lab ID:	128318-07
Date Received:	6/10/05
Date Prepared:	6/10/05
Date Analyzed:	6/10/05
Dilution Factor	1

Hexavalent Chromium by ICP - USEPA Method 7195/6010

Analyte	Result (mg/L)	RL	Flags
Hexavalent Chromium	ND	0.01	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	MW4DUP-0605
Lab ID:	128318-08
Date Received:	6/10/05
Date Prepared:	6/10/05
Date Analyzed:	6/10/05
Dilution Factor	1

Hexavalent Chromium by ICP - USEPA Method 7195/6010

Analyte	Result (mg/L)	RL	Flags
Hexavalent Chromium	ND	0.01	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	GP2-W-17-RECON
Lab ID:	128318-06
Date Received:	6/10/05
Date Prepared:	6/13/05
Date Analyzed:	6/14/05
Dilution Factor	1

Dissolved Metals by ICP - USEPA Method 6010

Analyte	Result (mg/L)	RL	Flags
Chromium	37.1	0.02	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	MW4-0605
Lab ID:	128318-07
Date Received:	6/10/05
Date Prepared:	6/13/05
Date Analyzed:	6/14/05
Dilution Factor	1

Dissolved Metals by ICP - USEPA Method 6010

Analyte	Result (mg/L)	RL	Flags
Chromium	ND	0.02	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	MW4DUP-0605
Lab ID:	128318-08
Date Received:	6/10/05
Date Prepared:	6/13/05
Date Analyzed:	6/14/05
Dilution Factor	1

Dissolved Metals by ICP - USEPA Method 6010

Analyte	Result (mg/L)	RL	Flags
Chromium	ND	0.02	

STL Seattle

Lab ID:	Method Blank - VOA1364
Date Received:	-
Date Prepared:	6/18/2005
Date Analyzed:	6/19/2005
% Solids	-
Dilution Factor	1

Volatile Organics by USEPA Method 5035\8260B

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Dibromofluoromethane	99.4		80	120
Fluorobenzene	109		80	120
Toluene-D8	105		80	120
Ethylbenzene-d10	101		80	120
Bromofluorobenzene	102		80	120
Trifluorotoluene	104		80	120

Analyte	**Result (ug/L)**	**RL**	**Flags**
Dichlorodifluoromethane	ND	1	
Chloromethane	ND	1	
Vinyl chloride	ND	1	
Bromomethane	ND	1	
Chloroethane	ND	1	
Trichlorofluoromethane	ND	1	
1,1-Dichloroethene	ND	1	
Methylene chloride	ND	1	
trans-1,2-Dichloroethene	ND	1	
1,1-Dichloroethane	ND	1	
2,2-Dichloropropane	ND	1	
cis-1,2-Dichloroethene	ND	1	
Bromochloromethane	ND	1	
Chloroform	ND	1	
1,1,1-Trichloroethane	ND	1	
Carbon Tetrachloride	ND	1	
1,1-Dichloropropene	ND	1	
Benzene	ND	1	
1,2-Dichloroethane	ND	1	
Trichloroethene	ND	1	
1,2-Dichloropropane	ND	1	
Dibromomethane	ND	1	
Bromodichloromethane	ND	1	
cis-1,3-Dichloropropene	ND	1	
Toluene	ND	1	
trans-1,3-Dichloropropene	ND	1	

STL Seattle

Volatile Organics by USEPA Method 5035\8260B data for VOA1364 continued...

Analyte	Result (ug/L)	RL	Flags
1,1,2-Trichloroethane	ND	1	
Tetrachloroethene	ND	1	
1,3-Dichloropropane	ND	1	
Dibromochloromethane	ND	1	
1,2-Dibromoethane	ND	1	
Chlorobenzene	ND	1	
Ethylbenzene	ND	1	
1,1,1,2-Tetrachloroethane	ND	1	
m,p-Xylene	ND	2	
o-Xylene	ND	1	
Styrene	ND	1	
Bromoform	ND	1	
Isopropylbenzene	ND	1	
Bromobenzene	ND	1	
n-Propylbenzene	ND	1	
1,1,2,2-Tetrachloroethane	ND	1	
1,2,3-Trichloropropane	ND	1	
2-Chlorotoluene	ND	1	
1,3,5-Trimethylbenzene	ND	1	
4-Chlorotoluene	ND	1	
t-Butylbenzene	ND	1	
1,2,4-Trimethylbenzene	ND	1	
sec-Butylbenzene	ND	1	
1,3-Dichlorobenzene	ND	1	
4-Isopropyltoluene	ND	1	
1,4-Dichlorobenzene	ND	1	
n-Butylbenzene	ND	1	
1,2-Dichlorobenzene	ND	1	
1,2-Dibromo-3-chloropropane	ND	1	
1,2,4-Trichlorobenzene	ND	1	
1,2,3-Trichlorobenzene	ND	1	
Hexachlorobutadiene	ND	1	
Naphthalene	ND	1	

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	VOA1364
Date Prepared:	6/18/2005
Date Analyzed:	6/19/2005
QC Batch ID:	VOA1364

Volatile Organics by USEPA Method 5035\8260B

Compound Name	Blank Result (ug/L)	Spike Amount (ug/L)	BS Result (ug/L)	BS % Rec.	BSD Result (ug/L)	BSD % Rec.	RPD	Flag
1,1-Dichloroethene	0	5	4.84	96.9	4.93	98.7	1.8	
Benzene	0	5	4.79	95.8	4.9	98	2.3	
Trichloroethene	0	5	4.67	93.4	4.91	98.2	5	
Toluene	0	5	4.79	95.8	4.42	88.4	-8	
Chlorobenzene	0	5	4.72	94.3	4.81	96.2	2	

STL Seattle

Lab ID:	Method Blank - VOA1379
Date Received:	-
Date Prepared:	6/23/05
Date Analyzed:	6/23/05
% Solids	
Dilution Factor	0.1

Volatile Organics by USEPA Method 5035\8260B

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Dibromofluoromethane	90.6		75	125
Fluorobenzene	100		75	125
Toluene-D8	107		75	125
Ethylbenzene-d10	105		75	125
Bromofluorobenzene	103		75	125
Trifluorotoluene	116		75	125

Sample results are on an as received basis.

Analyte	Result (ug/kg)	RL	Flags
Dichlorodifluoromethane	ND	40	
Chloromethane	ND	40	
Vinyl chloride	ND	8	
Bromomethane	ND	40	
Chloroethane	ND	80	
Trichlorofluoromethane	ND	40	
1,1-Dichloroethene	ND	8	
Methylene chloride	ND	8	
trans-1,2-Dichloroethene	ND	40	
1,1-Dichloroethane	ND	40	
2,2-Dichloropropane	ND	40	
cis-1,2-Dichloroethene	ND	40	
Bromochloromethane	ND	40	
Chloroform	ND	40	
1,1,1-Trichloroethane	ND	8	
Carbon Tetrachloride	ND	8	
1,1-Dichloropropene	ND	40	
Benzene	ND	8	
1,2-Dichloroethane	ND	8	
Trichloroethene	ND	8	
1,2-Dichloropropane	ND	8	
Dibromomethane	ND	40	
Bromodichloromethane	ND	40	
cis-1,3-Dichloropropene	ND	40	
Toluene	ND	40	
trans-1,3-Dichloropropene	ND	40	

STL Seattle

Volatile Organics by USEPA Method 5035\8260B data for VOA1379 continued...

Analyte	Result (ug/kg)	RL	Flags
1,1,2-Trichloroethane	ND	40	
Tetrachloroethene	ND	8	
1,3-Dichloropropane	ND	8	
Dibromochloromethane	ND	40	
1,2-Dibromoethane	ND	1.46	
Chlorobenzene	ND	40	
Ethylbenzene	ND	40	
1,1,1,2-Tetrachloroethane	ND	40	
m,p-Xylene	ND	80	
o-Xylene	ND	40	
Styrene	ND	40	
Bromoform	ND	40	
Isopropylbenzene	ND	40	
Bromobenzene	ND	40	
n-Propylbenzene	ND	40	
1,1,2,2-Tetrachloroethane	ND	8	
1,2,3-Trichloropropane	ND	8	
2-Chlorotoluene	ND	40	
1,3,5-Trimethylbenzene	ND	40	
4-Chlorotoluene	ND	40	
t-Butylbenzene	ND	40	
1,2,4-Trimethylbenzene	ND	40	
sec-Butylbenzene	ND	40	
1,3-Dichlorobenzene	ND	40	
4-Isopropyltoluene	ND	40	
1,4-Dichlorobenzene	ND	40	
n-Butylbenzene	ND	40	
1,2-Dichlorobenzene	ND	40	
1,2-Dibromo-3-chloropropane	ND	40	
1,2,4-Trichlorobenzene	ND	40	
1,2,3-Trichlorobenzene	ND	40	
Hexachlorobutadiene	ND	40	
Naphthalene	ND	40	

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	VOA1379
Date Prepared:	6/23/05
Date Analyzed:	6/23/05
QC Batch ID:	VOA1379

Volatile Organics by USEPA Method 5035\8260B

Compound Name	Blank Result (ug/kg)	Spike Amount (ug/kg)	BS Result (ug/kg)	BS % Rec.	BSD Result (ug/kg)	BSD % Rec.	RPD	Flag
1,1-Dichloroethene	0	200	243	121	221	111	-8.6	
Benzene	0	200	213	106	209	104	-1.9	
Trichloroethene	0	200	210	105	202	101	-3.9	
Toluene	0	200	221	111	222	111	0	
Chlorobenzene	0	200	225	112	227	114	1.8	

STL Seattle

Lab ID:	Method Blank - GB5190
Date Received:	-
Date Prepared:	6/20/2005
Date Analyzed:	6/21/2005
% Solids	-
Dilution Factor	1

Gasoline Range Organics by Method NWTPH-Gx

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Trifluorotoluene	102		50	150
1-Chloro-3-fluorobenzene	90		50	150
Bromofluorobenzene	98.3		50	150
Pentafluorobenzene	81.2		50	150

Analyte	**Result (mg/L)**	**RL**	**Flags**
Gasoline by NWTPH-G	ND	0.1	

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	GB5190
Date Prepared:	6/20/2005
Date Analyzed:	6/21/2005
QC Batch ID:	GB5190

Gasoline Range Organics by Method NWTPH-Gx

Compound Name	Blank Result (mg/L)	Spike Amount (mg/L)	BS Result (mg/L)	BS % Rec.	BSD Result (mg/L)	BSD % Rec.	RPD	Flag
Gasoline by NWTPH-G	0	1.25	1.34	107	0.973	77.8	-32	N

STL Seattle

Lab ID:	Method Blank - DS1492
Date Received:	-
Date Prepared:	6/13/2005
Date Analyzed:	6/13/2005
% Solids	
Dilution Factor	1

NWTPH-HCID - Hydrocarbon Identification Method for Soil Modified

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
1-bromo-4-fluorobenzene	97		50	150
o-terphenyl	102		50	150

Sample results are on an as received basis.

Analyte	**Result (mg/kg)**	**RL**	**Flags**
Gasoline (Toluene-nC12)	<20	20	
#2 Diesel (>nC12-nC24)	<50	50	
Motor Oil (>nC24-nC32)	<100	100	

STL Seattle

Duplicate Report

Client Sample ID:	GP3-S-14
Lab ID:	128318-05
Date Prepared:	6/13/2005
Date Analyzed:	6/13/2005
QC Batch ID:	DS1492

NWTPH-HCID - Hydrocarbon Identification Method for Soil Modified

Parameter Name	Sample Result (mg/kg)	Duplicate Result (mg/kg)	RPD %	Flag
Gasoline (Toluene-nC12)	<	<	NC	
#2 Diesel (>nC12-nC24)	<	<	NC	
Motor Oil (>nC24-nC32)	<	<	NC	

STL Seattle

Lab ID:	Method Blank - DW0783
Date Received:	-
Date Prepared:	6/13/2005
Date Analyzed:	6/14/2005
% Solids	-
Dilution Factor	1

NWTPH-HCID - Hydrocarbon Identification Method for Water Modified

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
1-bromo-4-fluorobenzene	86.5		50	150
o-terphenyl	111		50	150

Analyte	Result (mg/L)	RL	Flags
Gasoline (Toluene-nC12)	<0.1	0.1	
#2 Diesel (>nC12-nC24)	<0.25	0.25	
Motor Oil (>nC24-nC32)	<0.5	0.5	

STL Seattle

Lab ID:	Method Blank - SP1331
Date Received:	-
Date Prepared:	6/16/05
Date Analyzed:	6/16/05
Dilution Factor	1

Metals by ICP - USEPA Method 6010

Sample results are on an as received basis.

Analyte	Result (mg/kg)	RL	Flags
Chromium	ND	2	

STL Seattle

Matrix Spike Report

Client Sample ID:	GP2-S-10.0
Lab ID:	128318-01
Date Prepared:	6/16/05
Date Analyzed:	6/16/05
QC Batch ID:	SP1331

Metals by ICP - USEPA Method 6010

Parameter Name	Sample Result (mg/kg)	Spike Amount (mg/kg)	MS Result (mg/kg)	MS % Rec.	Flag
Chromium	24.9	41.7	66.7	100	

STL Seattle

Duplicate Report

Client Sample ID:	GP2-S-10.0
Lab ID:	128318-01
Date Prepared:	6/16/05
Date Analyzed:	6/16/05
QC Batch ID:	SP1331

Metals by ICP - USEPA Method 6010

Parameter Name	Sample Result (mg/kg)	Duplicate Result (mg/kg)	RPD %	Flag
Chromium	25	24	4.1	

STL Seattle

Lab ID:	Method Blank - TP1333
Date Received:	-
Date Prepared:	6/17/05
Date Analyzed:	6/17/05
Dilution Factor	1

Metals by ICP - USEPA Method 6010

Analyte	Result (mg/L)	RL	Flags
Lead	ND	0.015	

STL Seattle

Matrix Spike Report

Client Sample ID:	MW-1
Lab ID:	128380-01
Date Prepared:	6/17/05
Date Analyzed:	6/17/05
QC Batch ID:	TP1333

Metals by ICP - USEPA Method 6010

Parameter Name	Sample Result (mg/L)	Spike Amount (mg/L)	MS Result (mg/L)	MS % Rec.	Flag
Lead	0	1	1.02	102	

STL Seattle

Duplicate Report

Client Sample ID:	MW-1
Lab ID:	128380-01
Date Prepared:	6/17/05
Date Analyzed:	6/17/05
QC Batch ID:	TP1333

Metals by ICP - USEPA Method 6010

Parameter Name	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD %	Flag
Lead	0	0	NC	

STL Seattle

Lab ID:	Method Blank - CR216S
Date Received:	-
Date Prepared:	6/14/05
Date Analyzed:	6/15/05
Dilution Factor	1

Hexavalent Chromium by ICP - USEPA Method 7195/6010

Sample results are on an as received basis.

Analyte	Result (mg/kg)	RL	Flags
Hexavalent Chromium	ND	0.1	

STL Seattle

Matrix Spike Report

Client Sample ID:	AB-1-35-36.5
Lab ID:	128282-01
Date Prepared:	6/14/05
Date Analyzed:	6/15/05
QC Batch ID:	CR216S

Hexavalent Chromium by ICP - USEPA Method 7195/6010

Parameter Name	Sample Result (mg/kg)	Spike Amount (mg/kg)	MS Result (mg/kg)	MS % Rec.	Flag
Chromium	0.562	95.4	82.7	86	

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	CR216S
Date Prepared:	6/14/05
Date Analyzed:	6/15/05
QC Batch ID:	CR216S

Hexavalent Chromium by ICP - USEPA Method 7195/6010

Compound Name	Blank Result (mg/kg)	Spike Amount (mg/kg)	BS Result (mg/kg)	BS % Rec.	BSD Result (mg/kg)	BSD % Rec.	RPD	Flag
Chromium	0	100	99	99	97.8	97.8	-1.2	

STL Seattle

Duplicate Report

Client Sample ID:	AB-1-35-36.5
Lab ID:	128282-01
Date Prepared:	6/14/05
Date Analyzed:	6/15/05
QC Batch ID:	CR216S

Hexavalent Chromium by ICP - USEPA Method 7195/6010

Parameter Name	Sample Result (mg/kg)	Duplicate Result (mg/kg)	RPD %	Flag
Chromium	0.56	0.63	-12.0	

STL Seattle

Lab ID:	Method Blank - CR217W
Date Received:	-
Date Prepared:	6/10/05
Date Analyzed:	6/10/05
Dilution Factor	1

Hexavalent Chromium by ICP - USEPA Method 7195/6010

Analyte	Result (mg/L)	RL	Flags
Hexavalent Chromium	ND	0.01	

STL Seattle

Matrix Spike Report

Client Sample ID:	MW4DUP-0605
Lab ID:	128318-08
Date Prepared:	6/10/05
Date Analyzed:	6/10/05
QC Batch ID:	CR217W

Hexavalent Chromium by ICP - USEPA Method 7195/6010

Parameter Name	Sample Result (mg/L)	Spike Amount (mg/L)	MS Result (mg/L)	MS % Rec.	Flag
Chromium	0	2	0.0409	2	x7

STL Seattle

Duplicate Report

Client Sample ID:	MW4DUP-0605
Lab ID:	128318-08
Date Prepared:	6/10/05
Date Analyzed:	6/10/05
QC Batch ID:	CR217W

Hexavalent Chromium by ICP - USEPA Method 7195/6010

Parameter Name	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD %	Flag
Chromium	0	0.01	-200.0	x4a

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	CR217W
Date Prepared:	6/10/05
Date Analyzed:	6/10/05
QC Batch ID:	CR217W

Hexavalent Chromium by ICP - USEPA Method 7195/6010

Compound Name	Blank Result (mg/L)	Spike Amount (mg/L)	BS Result (mg/L)	BS % Rec.	BSD Result (mg/L)	BSD % Rec.	RPD	Flag
Chromium	0	2	1.77	88.6	1.88	94.1	6	

00097

STL Seattle

Lab ID:	Method Blank - DP1312
Date Received:	-
Date Prepared:	6/13/05
Date Analyzed:	6/14/05
Dilution Factor	1

Dissolved Metals by ICP - USEPA Method 6010

Analyte	Result (mg/L)	RL	Flags
Chromium	ND	0.02	

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Matrix Spike Report

Client Sample ID:	CW005
Lab ID:	128283-01
Date Prepared:	6/13/05
Date Analyzed:	6/14/05
QC Batch ID:	DP1312

Dissolved Metals by ICP - USEPA Method 6010

Parameter Name	Sample Result (mg/L)	Spike Amount (mg/L)	MS Result (mg/L)	MS % Rec.	Flag
Chromium	0	0.4	0.381	95	

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Duplicate Report

Client Sample ID:	CW005
Lab ID:	128283-01
Date Prepared:	6/13/05
Date Analyzed:	6/14/05
QC Batch ID:	DP1312

Dissolved Metals by ICP - USEPA Method 6010

Parameter Name	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD %	Flag
Chromium	0	0	NC	

SEVERN TRENT STL

STL Seattle
5755 8th Street East
Tacoma, WA 98424

Tel: 253 922 2310
Fax: 253 922 5047
www.stl-inc.com

DATA QUALIFIERS AND ABBREVIATIONS

B1: This analyte was detected in the associated method blank. The analyte concentration was determined not to be significantly higher than the associated method blank (less than ten times the concentration reported in the blank).

B2: This analyte was detected in the associated method blank. The analyte concentration in the sample was determined to be significantly higher than the method blank (greater than ten times the concentration reported in the blank).

C1: Second column confirmation was performed. The relative percent difference value (RPD) between the results on the two columns was evaluated and determined to be < 40%.

C2: Second column confirmation was performed. The RPD between the results on the two columns was evaluated and determined to be > 40%. The higher result was reported unless anomalies were noted.

C3: Second analysis confirmation was performed. The relative percent difference value (RPD) between the results on the two columns was evaluated and determined to be ≤ 30%.

C4: Second analysis confirmation was performed. The RPD between the results on the two columns was evaluated and determined to be > 30%. The original analysis was reported unless anomalies were noted.

M: GC/MS confirmation was performed. The result derived from the original analysis was reported.

D: The reported result for this analyte was calculated based on a secondary dilution factor.

E: The concentration of this analyte exceeded the instrument calibration range and should be considered an estimated quantity.

J The analyte was analyzed for and positively identified, but the associated numerical value is an estimated quantity.

MCL: Maximum Contaminant Level

MDL: Method Detection Limit

RL: Reporting Limit

N: See analytical narrative

ND: Not Detected

X1: Contaminant does not appear to be "typical" product. Elution pattern suggests it may be _____.

X2: Contaminant does not appear to be "typical" product.

X3: Identification and quantitation of the analyte or surrogate was complicated by matrix interference.

X4: RPD for duplicates was outside advisory QC limits. The sample was re-analyzed with similar results. The sample matrix may be nonhomogeneous.

X4a: RPD for duplicates outside advisory QC limits due to analyte concentration near the method practical quantitation limit/detection limit.

X5: Matrix spike recovery was not determined due to the required dilution.

X6: Recovery and/or RPD values for matrix spike(/matrix spike duplicate) outside advisory QC limits. Sample was re-analyzed with similar results.

X7: Recovery and/or RPD values for matrix spike(/matrix spike duplicate) outside advisory QC limits. Matrix interference may be indicated based on acceptable blank spike recovery and/or RPD.

X7a: Recovery and/or RPD values for this spiked analyte outside advisory QC limits due to high concentration of the analyte in the original sample.

X Surrogate recovery was not determined due to the required dilution.

X9: Surrogate recovery outside advisory QC limits due to matrix interference.

00071

Chain of Custody Record

STL Seattle
5755 8th Street E.
Tacoma, WA 98424
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SEVERN TRENT STL

Client: Maul Foster + Alongi	Project Manager: Alistair Clary	Date: 6/1/05	Chain of Custody Number: 16026
Address: Hazel Dell Ave. Suite B	Telephone Number (Area Code)/Fax Number: 360-694-2691	Lab Number: 128318	Page 1 of 1
City: Vancouver / State: WA / Zip Code: 98665	Site Contact: G. Caradi	Lab Contact:	
Project Name and Location (State): Precision Engineering, Seattle WA	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: 0053.01.03			

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	MeOH	ZnAc/NaOH	Other	Total Chromium (6010) water	Hex. Chromium (7196) water	Ref. Hydrocarbon Scan (HCID)	VOCs (8035)	GRO*	DRO*	Total Lead*	PAHs*	PCBs*	Dissolved Chromium	Analysis (Attach list if more space is needed)
1 GP2-S-10.0	6/9/05	0830				X	X				X		X	X	X	X	X							
2 GP1-S-10.0		1500				X	X				X		X	X	X	X	X							
3 GP3-S-2.0		1530				X	X				X		X	X	X	X	X							
4 GP3-S-6.0		1545				X	X				X		X	X	X	X	X							
5 GP3-S-14		1615		X			X																	
6 GP2-W-17-RECON		1700		X											X	X	X						X	
~~Trip Blanks~~															A	B	B				D	W	B	
7 MW4-0605	6/9/05	1125		X											X		X						X	
8 MW4Dup-0605		1125		X											X		X						X	
7 trip Blank																								

Field Filtered

Special Instructions/ Conditions of Receipt

IF GASOLINE-RANGE Pet. Hydrocarbons are found, the samples will be analyzed for lead by 6010B + QUANTIFY TPH by NWTPH-Gx. IF DIESEL OR RESIDUAL RANGE HYDROCARBONS ARE DETECTED, ANALYZE THE SAMPLES FOR PAH by Method 8270C-SI + TPH QUANTIFIED BY NWTPH-Dx. IF Residual range hydrocarbons are detected, ANALYZE one sample (with highest PAH detections) for PCBs by 8082.

Cooler: ☐ Yes ☐ No Cooler Temp:_____

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required (business days): ☐ 24 Hours ☐ 48 Hours ☐ 5 Days ☐ 10 Days ☐ 15 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: S Mau	6/10/05	1034	1. Received By: K Kresle	6/10/05	1035
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with the Samples; CANARY – Returned to Client with Report; PINK – Field Copy

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STL Seattle
5755 8th Street East
Tacoma, WA 98424

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TRANSMITTAL MEMORANDUM

DATE: July 13, 2005

TO: Alan Hughes
Maul Foster & Alongi, Inc.
7223 NE Hazel Dell Ave., Suite B
Vancouver, WA 98665

PROJECT: Precision Engineering WA

REPORT NUMBER: 128457

TOTAL NUMBER OF PAGES: _____

Enclosed are the test results for twenty-three samples received at STL Seattle on June 17, 2005.

The report consists of this transmittal memo, analytical results, quality control reports, a copy of the chain-of-custody, a list of data qualifiers and analytical narrative when applicable, and a copy of any requested raw data.

Should there be any questions regarding this report, please contact me at (253) 922-2310.

Sincerely,

Tom Coyner
Project Manager

STL Seattle

Sample Identification:

Lab. No.	Client ID	Date/Time Sampled	Matrix
128457-1	GP4-S-1.5	06-16-05 11:25	solid
128457-2	GP5-S-1.5	06-16-05 10:00	solid
128457-3	GP5-S-8.0	06-16-05 10:15	solid
128457-4	GP5-S-14.0	06-16-05 10:50	solid
128457-5	GP6-S-1.0	06-16-05 12:45	solid
128457-6	GP6-S-8.0	06-16-05 13:05	solid
128457-7	GP6-S-14.5	06-16-05 13:20	solid
128457-8	GP7-S-2.0	06-16-05 16:00	solid
128457-9	GP7-S-8.0	06-16-05 16:10	solid
128457-10	GP8-S-1.5	06-16-05 18:00	solid
128457-11	GP9-S-2.0	06-16-05 08:10	solid
128457-12	GP10-S-1.5	06-16-05 08:30	solid
128457-13	GP10-S-7.0	06-16-05 08:40	solid
128457-14	GP10-S-13.5	06-16-05 08:50	solid
128457-15	GP11-S-2.0	06-16-05 09:25	solid
128457-16	GP11-S-6.5	06-16-05 09:35	solid
128457-17	GP4-W-8.0	06-16-05 11:50	liquid
128457-18	GP5-W-18.0	06-16-05 13:45	liquid
128457-19	GP6-W-18.0	06-16-05 13:40	liquid
128457-20	GP7-W-14.0	06-16-05 16:30	liquid
128457-21	GP8-W-10.0	06-16-05 18:20	liquid
128457-22	MW1-W-35.0	06-16-05 09:15	liquid
128457-23	MW2-W-0605	06-16-05 10:50	liquid

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP5-W-18.0
Lab ID:	128457-18
Date Received:	6/17/2005
Date Prepared:	6/23/2005
Date Analyzed:	6/24/2005
% Solids	-
Dilution Factor	1

Volatile Organics by USEPA Method 5035\8260B

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Dibromofluoromethane	91.6		80	120
Fluorobenzene	103		80	120
Toluene-D8	107		80	120
Ethylbenzene-d10	101		80	120
Bromofluorobenzene	110		80	120
Trifluorotoluene	105		80	120

Analyte	Result (ug/L)	RL	Flags
Dichlorodifluoromethane	ND	1	
Chloromethane	ND	1	
Vinyl chloride	ND	1	
Bromomethane	ND	1	
Chloroethane	ND	1	
Trichlorofluoromethane	ND	1	
1,1-Dichloroethene	ND	1	
Methylene chloride	ND	1	
trans-1,2-Dichloroethene	ND	1	
1,1-Dichloroethane	ND	1	
2,2-Dichloropropane	ND	1	
cis-1,2-Dichloroethene	ND	1	
Bromochloromethane	ND	1	
Chloroform	ND	1	
1,1,1-Trichloroethane	ND	1	
Carbon Tetrachloride	ND	1	
1,1-Dichloropropene	ND	1	
Benzene	ND	1	
1,2-Dichloroethane	ND	1	
Trichloroethene	ND	1	
1,2-Dichloropropane	ND	1	
Dibromomethane	ND	1	
Bromodichloromethane	ND	1	
cis-1,3-Dichloropropene	ND	1	
Toluene	ND	1	
trans-1,3-Dichloropropene	ND	1	

STL Seattle

Volatile Organics by USEPA Method 5035\8260B data for 128457-18 continued...

Analyte	Result (ug/L)	RL	Flags
1,1,2-Trichloroethane	ND	1	
Tetrachloroethene	ND	1	
1,3-Dichloropropane	ND	1	
Dibromochloromethane	ND	1	
1,2-Dibromoethane	ND	1	
Chlorobenzene	ND	1	
Ethylbenzene	ND	1	
1,1,1,2-Tetrachloroethane	ND	1	
m,p-Xylene	ND	2	
o-Xylene	ND	1	
Styrene	ND	1	
Bromoform	ND	1	
Isopropylbenzene	ND	1	
Bromobenzene	ND	1	
n-Propylbenzene	ND	1	
1,1,2,2-Tetrachloroethane	ND	1	
1,2,3-Trichloropropane	ND	1	
2-Chlorotoluene	ND	1	
1,3,5-Trimethylbenzene	ND	1	
4-Chlorotoluene	ND	1	
t-Butylbenzene	ND	1	
1,2,4-Trimethylbenzene	ND	1	
sec-Butylbenzene	ND	1	
1,3-Dichlorobenzene	ND	1	
4-Isopropyltoluene	ND	1	
1,4-Dichlorobenzene	ND	1	
n-Butylbenzene	ND	1	
1,2-Dichlorobenzene	ND	1	
1,2-Dibromo-3-chloropropane	ND	1	
1,2,4-Trichlorobenzene	ND	1	
1,2,3-Trichlorobenzene	ND	1	
Hexachlorobutadiene	ND	1	
Naphthalene	ND	1	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP6-W-18.0
Lab ID:	128457-19
Date Received:	6/17/2005
Date Prepared:	6/23/2005
Date Analyzed:	6/24/2005
% Solids	-
Dilution Factor	20

Volatile Organics by USEPA Method 5035\8260B

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Dibromofluoromethane	92.3		80	120
Fluorobenzene	104		80	120
Toluene-D8	109		80	120
Ethylbenzene-d10	104		80	120
Bromofluorobenzene	109		80	120
Trifluorotoluene	109		80	120

Analyte	**Result (ug/L)**	**RL**	**Flags**
Dichlorodifluoromethane	ND	20	
Chloromethane	ND	20	
Vinyl chloride	ND	20	
Bromomethane	ND	20	
Chloroethane	ND	20	
Trichlorofluoromethane	ND	20	
1,1-Dichloroethene	ND	20	
Methylene chloride	ND	20	
trans-1,2-Dichloroethene	ND	20	
1,1-Dichloroethane	ND	20	
2,2-Dichloropropane	ND	20	
cis-1,2-Dichloroethene	144	20	
Bromochloromethane	ND	20	
Chloroform	ND	20	
1,1,1-Trichloroethane	ND	20	
Carbon Tetrachloride	ND	20	
1,1-Dichloropropene	ND	20	
Benzene	ND	20	
1,2-Dichloroethane	ND	20	
Trichloroethene	1130	20	
1,2-Dichloropropane	ND	20	
Dibromomethane	ND	20	
Bromodichloromethane	ND	20	
cis-1,3-Dichloropropene	ND	20	
Toluene	ND	20	
trans-1,3-Dichloropropene	ND	20	

STL Seattle

Volatile Organics by USEPA Method 5035\8260B data for 128457-19 continued...

Analyte	Result (ug/L)	RL	Flags
1,1,2-Trichloroethane	ND	20	
Tetrachloroethene	ND	20	
1,3-Dichloropropane	ND	20	
Dibromochloromethane	ND	20	
1,2-Dibromoethane	ND	20	
Chlorobenzene	ND	20	
Ethylbenzene	ND	20	
1,1,1,2-Tetrachloroethane	ND	20	
m,p-Xylene	ND	40	
o-Xylene	ND	20	
Styrene	ND	20	
Bromoform	ND	20	
Isopropylbenzene	ND	20	
Bromobenzene	ND	20	
n-Propylbenzene	ND	20	
1,1,2,2-Tetrachloroethane	ND	20	
1,2,3-Trichloropropane	ND	20	
2-Chlorotoluene	ND	20	
1,3,5-Trimethylbenzene	ND	20	
4-Chlorotoluene	ND	20	
t-Butylbenzene	ND	20	
1,2,4-Trimethylbenzene	ND	20	
sec-Butylbenzene	ND	20	
1,3-Dichlorobenzene	ND	20	
4-Isopropyltoluene	ND	20	
1,4-Dichlorobenzene	ND	20	
n-Butylbenzene	ND	20	
1,2-Dichlorobenzene	ND	20	
1,2-Dibromo-3-chloropropane	ND	20	
1,2,4-Trichlorobenzene	ND	20	
1,2,3-Trichlorobenzene	ND	20	
Hexachlorobutadiene	ND	20	
Naphthalene	ND	20	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP8-W-10.0
Lab ID:	128457-21
Date Received:	6/17/2005
Date Prepared:	6/23/2005
Date Analyzed:	6/24/2005
% Solids	-
Dilution Factor	1

Volatile Organics by USEPA Method 5035\8260B

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Dibromofluoromethane	97.6		80	120
Fluorobenzene	106		80	120
Toluene-D8	108		80	120
Ethylbenzene-d10	108		80	120
Bromofluorobenzene	104		80	120
Trifluorotoluene	110		80	120

Analyte	Result (ug/L)	RL	Flags
Dichlorodifluoromethane	ND	1	
Chloromethane	ND	1	
Vinyl chloride	ND	1	
Bromomethane	ND	1	
Chloroethane	ND	1	
Trichlorofluoromethane	ND	1	
1,1-Dichloroethene	ND	1	
Methylene chloride	ND	1	
trans-1,2-Dichloroethene	ND	1	
1,1-Dichloroethane	ND	1	
2,2-Dichloropropane	ND	1	
cis-1,2-Dichloroethene	2.26	1	
Bromochloromethane	ND	1	
Chloroform	ND	1	
1,1,1-Trichloroethane	ND	1	
Carbon Tetrachloride	ND	1	
1,1-Dichloropropene	ND	1	
Benzene	ND	1	
1,2-Dichloroethane	ND	1	
Trichloroethene	16.8	1	
1,2-Dichloropropane	ND	1	
Dibromomethane	ND	1	
Bromodichloromethane	ND	1	
cis-1,3-Dichloropropene	ND	1	
Toluene	ND	1	
trans-1,3-Dichloropropene	ND	1	

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Volatile Organics by USEPA Method 5035\8260B data for 128457-21 continued...

Analyte		Result (ug/L)	RL	Flags
1,1,2-Trichloroethane	ND		1	
Tetrachloroethene	ND		1	
1,3-Dichloropropane	ND		1	
Dibromochloromethane	ND		1	
1,2-Dibromoethane	ND		1	
Chlorobenzene	ND		1	
Ethylbenzene	ND		1	
1,1,1,2-Tetrachloroethane	ND		1	
m,p-Xylene	ND		2	
o-Xylene	ND		1	
Styrene	ND		1	
Bromoform	ND		1	
Isopropylbenzene	ND		1	
Bromobenzene	ND		1	
n-Propylbenzene	ND		1	
1,1,2,2-Tetrachloroethane	ND		1	
1,2,3-Trichloropropane	ND		1	
2-Chlorotoluene	ND		1	
1,3,5-Trimethylbenzene	ND		1	
4-Chlorotoluene	ND		1	
t-Butylbenzene	ND		1	
1,2,4-Trimethylbenzene	ND		1	
sec-Butylbenzene	ND		1	
1,3-Dichlorobenzene	ND		1	
4-Isopropyltoluene	ND		1	
1,4-Dichlorobenzene	ND		1	
n-Butylbenzene	ND		1	
1,2-Dichlorobenzene	ND		1	
1,2-Dibromo-3-chloropropane	ND		1	
1,2,4-Trichlorobenzene	ND		1	
1,2,3-Trichlorobenzene	ND		1	
Hexachlorobutadiene	ND		1	
Naphthalene		87	1	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	MW1-W-35.0
Lab ID:	128457-22
Date Received:	6/17/2005
Date Prepared:	6/23/2005
Date Analyzed:	6/24/2005
% Solids	-
Dilution Factor	1

Volatile Organics by USEPA Method 5035\8260B

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Dibromofluoromethane	92.6		80	120
Fluorobenzene	102		80	120
Toluene-D8	105		80	120
Ethylbenzene-d10	107		80	120
Bromofluorobenzene	104		80	120
Trifluorotoluene	105		80	120

Analyte	**Result (ug/L)**	**RL**	**Flags**
Dichlorodifluoromethane	ND	1	
Chloromethane	ND	1	
Vinyl chloride	ND	1	
Bromomethane	ND	1	
Chloroethane	ND	1	
Trichlorofluoromethane	ND	1	
1,1-Dichloroethene	ND	1	
Methylene chloride	ND	1	
trans-1,2-Dichloroethene	ND	1	
1,1-Dichloroethane	ND	1	
2,2-Dichloropropane	ND	1	
cis-1,2-Dichloroethene	ND	1	
Bromochloromethane	ND	1	
Chloroform	ND	1	
1,1,1-Trichloroethane	ND	1	
Carbon Tetrachloride	ND	1	
1,1-Dichloropropene	ND	1	
Benzene	ND	1	
1,2-Dichloroethane	ND	1	
Trichloroethene	ND	1	
1,2-Dichloropropane	ND	1	
Dibromomethane	ND	1	
Bromodichloromethane	ND	1	
cis-1,3-Dichloropropene	ND	1	
Toluene	ND	1	
trans-1,3-Dichloropropene	ND	1	

STL Seattle

Volatile Organics by USEPA Method 5035\8260B data for 128457-22 continued...

Analyte	Result (ug/L)	RL	Flags
1,1,2-Trichloroethane	ND	1	
Tetrachloroethene	ND	1	
1,3-Dichloropropane	ND	1	
Dibromochloromethane	ND	1	
1,2-Dibromoethane	ND	1	
Chlorobenzene	ND	1	
Ethylbenzene	ND	1	
1,1,1,2-Tetrachloroethane	ND	1	
m,p-Xylene	ND	2	
o-Xylene	ND	1	
Styrene	ND	1	
Bromoform	ND	1	
Isopropylbenzene	ND	1	
Bromobenzene	ND	1	
n-Propylbenzene	ND	1	
1,1,2,2-Tetrachloroethane	ND	1	
1,2,3-Trichloropropane	ND	1	
2-Chlorotoluene	ND	1	
1,3,5-Trimethylbenzene	ND	1	
4-Chlorotoluene	ND	1	
t-Butylbenzene	ND	1	
1,2,4-Trimethylbenzene	ND	1	
sec-Butylbenzene	ND	1	
1,3-Dichlorobenzene	ND	1	
4-Isopropyltoluene	ND	1	
1,4-Dichlorobenzene	ND	1	
n-Butylbenzene	ND	1	
1,2-Dichlorobenzene	ND	1	
1,2-Dibromo-3-chloropropane	ND	1	
1,2,4-Trichlorobenzene	ND	1	
1,2,3-Trichlorobenzene	ND	1	
Hexachlorobutadiene	ND	1	
Naphthalene	ND	1	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	MW2-W-0605
Lab ID:	128457-23
Date Received:	6/17/2005
Date Prepared:	6/23/2005
Date Analyzed:	6/24/2005
% Solids	-
Dilution Factor	1

Volatile Organics by USEPA Method 5035\8260B

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Dibromofluoromethane	90.7		80	120
Fluorobenzene	104		80	120
Toluene-D8	101		80	120
Ethylbenzene-d10	103		80	120
Bromofluorobenzene	101		80	120
Trifluorotoluene	102		80	120

Analyte	Result (ug/L)	RL	Flags
Dichlorodifluoromethane	ND	1	
Chloromethane	ND	1	
Vinyl chloride	ND	1	
Bromomethane	ND	1	
Chloroethane	ND	1	
Trichlorofluoromethane	ND	1	
1,1-Dichloroethene	ND	1	
Methylene chloride	ND	1	
trans-1,2-Dichloroethene	ND	1	
1,1-Dichloroethane	ND	1	
2,2-Dichloropropane	ND	1	
cis-1,2-Dichloroethene	ND	1	
Bromochloromethane	ND	1	
Chloroform	ND	1	
1,1,1-Trichloroethane	ND	1	
Carbon Tetrachloride	ND	1	
1,1-Dichloropropene	ND	1	
Benzene	ND	1	
1,2-Dichloroethane	ND	1	
Trichloroethene	ND	1	
1,2-Dichloropropane	ND	1	
Dibromomethane	ND	1	
Bromodichloromethane	ND	1	
cis-1,3-Dichloropropene	ND	1	
Toluene	ND	1	
trans-1,3-Dichloropropene	ND	1	

STL Seattle

Volatile Organics by USEPA Method 5035\8260B data for 128457-23 continued...

Analyte	Result (ug/L)	RL	Flags
1,1,2-Trichloroethane	ND	1	
Tetrachloroethene	ND	1	
1,3-Dichloropropane	ND	1	
Dibromochloromethane	ND	1	
1,2-Dibromoethane	ND	1	
Chlorobenzene	ND	1	
Ethylbenzene	ND	1	
1,1,1,2-Tetrachloroethane	ND	1	
m,p-Xylene	ND	2	
o-Xylene	ND	1	
Styrene	ND	1	
Bromoform	ND	1	
Isopropylbenzene	ND	1	
Bromobenzene	ND	1	
n-Propylbenzene	ND	1	
1,1,2,2-Tetrachloroethane	ND	1	
1,2,3-Trichloropropane	ND	1	
2-Chlorotoluene	ND	1	
1,3,5-Trimethylbenzene	ND	1	
4-Chlorotoluene	ND	1	
t-Butylbenzene	ND	1	
1,2,4-Trimethylbenzene	ND	1	
sec-Butylbenzene	ND	1	
1,3-Dichlorobenzene	ND	1	
4-Isopropyltoluene	ND	1	
1,4-Dichlorobenzene	ND	1	
n-Butylbenzene	ND	1	
1,2-Dichlorobenzene	ND	1	
1,2-Dibromo-3-chloropropane	ND	1	
1,2,4-Trichlorobenzene	ND	1	
1,2,3-Trichlorobenzene	ND	1	
Hexachlorobutadiene	ND	1	
Naphthalene	ND	1	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP7-W-14.0
Lab ID:	128457-20
Date Received:	6/17/2005
Date Prepared:	6/24/2005
Date Analyzed:	6/25/2005
% Solids	-
Dilution Factor	1

Volatile Organics by USEPA Method 5035\8260B

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Dibromofluoromethane	94.7		80	120
Fluorobenzene	106		80	120
Toluene-D8	109		80	120
Ethylbenzene-d10	105		80	120
Bromofluorobenzene	111		80	120
Trifluorotoluene	105		80	120

Analyte	Result (ug/L)	RL	Flags
Dichlorodifluoromethane	ND	1	
Chloromethane	ND	1	
Vinyl chloride	ND	1	
Bromomethane	ND	1	
Chloroethane	ND	1	
Trichlorofluoromethane	ND	1	
1,1-Dichloroethene	ND	1	
Methylene chloride	ND	1	
trans-1,2-Dichloroethene	ND	1	
1,1-Dichloroethane	ND	1	
2,2-Dichloropropane	ND	1	
cis-1,2-Dichloroethene	ND	1	
Bromochloromethane	ND	1	
Chloroform	ND	1	
1,1,1-Trichloroethane	ND	1	
Carbon Tetrachloride	ND	1	
1,1-Dichloropropene	ND	1	
Benzene	ND	1	
1,2-Dichloroethane	ND	1	
Trichloroethene	ND	1	
1,2-Dichloropropane	ND	1	
Dibromomethane	ND	1	
Bromodichloromethane	ND	1	
cis-1,3-Dichloropropene	ND	1	
Toluene	ND	1	
trans-1,3-Dichloropropene	ND	1	

STL Seattle

Volatile Organics by USEPA Method 5035\8260B data for 128457-20 continued...

Analyte	Result (ug/L)	RL	Flags
1,1,2-Trichloroethane	ND	1	
Tetrachloroethene	ND	1	
1,3-Dichloropropane	ND	1	
Dibromochloromethane	ND	1	
1,2-Dibromoethane	ND	1	
Chlorobenzene	ND	1	
Ethylbenzene	ND	1	
1,1,1,2-Tetrachloroethane	ND	1	
m,p-Xylene	ND	2	
o-Xylene	ND	1	
Styrene	ND	1	
Bromoform	ND	1	
Isopropylbenzene	ND	1	
Bromobenzene	ND	1	
n-Propylbenzene	ND	1	
1,1,2,2-Tetrachloroethane	ND	1	
1,2,3-Trichloropropane	ND	1	
2-Chlorotoluene	ND	1	
1,3,5-Trimethylbenzene	ND	1	
4-Chlorotoluene	ND	1	
t-Butylbenzene	ND	1	
1,2,4-Trimethylbenzene	ND	1	
sec-Butylbenzene	ND	1	
1,3-Dichlorobenzene	ND	1	
4-Isopropyltoluene	ND	1	
1,4-Dichlorobenzene	ND	1	
n-Butylbenzene	ND	1	
1,2-Dichlorobenzene	ND	1	
1,2-Dibromo-3-chloropropane	ND	1	
1,2,4-Trichlorobenzene	ND	1	
1,2,3-Trichlorobenzene	ND	1	
Hexachlorobutadiene	ND	1	
Naphthalene	ND	1	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP4-W-8.0
Lab ID:	128457-17
Date Received:	6/17/2005
Date Prepared:	7/1/2005
Date Analyzed:	7/1/2005
% Solids	-
Dilution Factor	1

Volatile Organics by USEPA Method 5035\8260B

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Dibromofluoromethane	93.1		80	120
Fluorobenzene	105		80	120
Toluene-D8	108		80	120
Ethylbenzene-d10	109		80	120
Bromofluorobenzene	103		80	120
Trifluorotoluene	112		80	120

Analyte	**Result (ug/L)**	**RL**	**Flags**
Dichlorodifluoromethane	ND	1	
Chloromethane	ND	1	
Vinyl chloride	ND	1	
Bromomethane	ND	1	
Chloroethane	ND	1	
Trichlorofluoromethane	ND	1	
1,1-Dichloroethene	ND	1	
Methylene chloride	ND	1	
trans-1,2-Dichloroethene	ND	1	
1,1-Dichloroethane	ND	1	
2,2-Dichloropropane	ND	1	
cis-1,2-Dichloroethene	ND	1	
Bromochloromethane	ND	1	
Chloroform	ND	1	
1,1,1-Trichloroethane	ND	1	
Carbon Tetrachloride	ND	1	
1,1-Dichloropropene	ND	1	
Benzene	ND	1	
1,2-Dichloroethane	ND	1	
Trichloroethene	ND	1	
1,2-Dichloropropane	ND	1	
Dibromomethane	ND	1	
Bromodichloromethane	ND	1	
cis-1,3-Dichloropropene	ND	1	
Toluene	ND	1	
trans-1,3-Dichloropropene	ND	1	

STL Seattle

Volatile Organics by USEPA Method 5035\8260B data for 128457-17 continued...

Analyte	Result (ug/L)	RL	Flags
1,1,2-Trichloroethane	ND	1	
Tetrachloroethene	ND	1	
1,3-Dichloropropane	ND	1	
Dibromochloromethane	ND	1	
1,2-Dibromoethane	ND	1	
Chlorobenzene	ND	1	
Ethylbenzene	ND	1	
1,1,1,2-Tetrachloroethane	ND	1	
m,p-Xylene	ND	2	
o-Xylene	ND	1	
Styrene	ND	1	
Bromoform	ND	1	
Isopropylbenzene	ND	1	
Bromobenzene	ND	1	
n-Propylbenzene	ND	1	
1,1,2,2-Tetrachloroethane	ND	1	
1,2,3-Trichloropropane	ND	1	
2-Chlorotoluene	ND	1	
1,3,5-Trimethylbenzene	ND	1	
4-Chlorotoluene	ND	1	
t-Butylbenzene	ND	1	
1,2,4-Trimethylbenzene	ND	1	
sec-Butylbenzene	ND	1	
1,3-Dichlorobenzene	ND	1	
4-Isopropyltoluene	ND	1	
1,4-Dichlorobenzene	ND	1	
n-Butylbenzene	ND	1	
1,2-Dichlorobenzene	ND	1	
1,2-Dibromo-3-chloropropane	ND	1	
1,2,4-Trichlorobenzene	ND	1	
1,2,3-Trichlorobenzene	ND	1	
Hexachlorobutadiene	ND	1	
Naphthalene	ND	1	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP4-S-1.5
Lab ID:	128457-01
Date Received:	6/17/05
Date Prepared:	6/28/05
Date Analyzed:	6/28/05
% Solids	80.65
Dilution Factor	0.1

Volatile Organics by USEPA Method 5035\8260B

Surrogate	% Recovery	Flags	Recovery Limits Low	High
Dibromofluoromethane	84.3		75	125
Fluorobenzene	96		75	125
Toluene-D8	107		75	125
Ethylbenzene-d10	104		75	125
Bromofluorobenzene	105		75	125
Trifluorotoluene	106		75	125

Sample results are on a dry weight basis.

Analyte	Result (ug/kg)	RL	Flags
Dichlorodifluoromethane	ND	51.7	
Chloromethane	ND	51.7	
Vinyl chloride	ND	10.3	
Bromomethane	ND	51.7	
Chloroethane	ND	103	
Trichlorofluoromethane	ND	51.7	
1,1-Dichloroethene	ND	10.3	
Methylene chloride	ND	10.3	
trans-1,2-Dichloroethene	ND	51.7	
1,1-Dichloroethane	ND	51.7	
2,2-Dichloropropane	ND	51.7	
cis-1,2-Dichloroethene	ND	51.7	
Bromochloromethane	ND	51.7	
Chloroform	ND	51.7	
1,1,1-Trichloroethane	ND	10.3	
Carbon Tetrachloride	ND	10.3	
1,1-Dichloropropene	ND	51.7	
Benzene	ND	10.3	
1,2-Dichloroethane	ND	10.3	
Trichloroethene	ND	10.3	
1,2-Dichloropropane	ND	10.3	
Dibromomethane	ND	51.7	
Bromodichloromethane	ND	51.7	
cis-1,3-Dichloropropene	ND	51.7	
Toluene	ND	51.7	
rans-1,3-Dichloropropene	ND	51.7	

STL Seattle

Volatile Organics by USEPA Method 5035\8260B data for 128457-01 continued...

Analyte	Result (ug/kg)	RL	Flags
1,1,2-Trichloroethane	ND	51.7	
Tetrachloroethene	ND	10.3	
1,3-Dichloropropane	ND	10.3	
Dibromochloromethane	ND	51.7	
1,2-Dibromoethane	ND	1.89	
Chlorobenzene	ND	51.7	
Ethylbenzene	ND	51.7	
1,1,1,2-Tetrachloroethane	ND	51.7	
m,p-Xylene	ND	103	
o-Xylene	ND	51.7	
Styrene	ND	51.7	
Bromoform	ND	51.7	
Isopropylbenzene	ND	51.7	
Bromobenzene	ND	51.7	
n-Propylbenzene	ND	51.7	
1,1,2,2-Tetrachloroethane	ND	10.3	
1,2,3-Trichloropropane	ND	10.3	
2-Chlorotoluene	ND	51.7	
1,3,5-Trimethylbenzene	ND	51.7	
4-Chlorotoluene	ND	51.7	
t-Butylbenzene	ND	51.7	
1,2,4-Trimethylbenzene	ND	51.7	
sec-Butylbenzene	ND	51.7	
1,3-Dichlorobenzene	ND	51.7	
4-Isopropyltoluene	ND	51.7	
1,4-Dichlorobenzene	ND	51.7	
n-Butylbenzene	ND	51.7	
1,2-Dichlorobenzene	ND	51.7	
1,2-Dibromo-3-chloropropane	ND	51.7	
1,2,4-Trichlorobenzene	ND	51.7	
1,2,3-Trichlorobenzene	ND	51.7	
Hexachlorobutadiene	ND	51.7	
Naphthalene	ND	51.7	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP5-S-1.5
Lab ID:	128457-02
Date Received:	6/17/05
Date Prepared:	6/28/05
Date Analyzed:	6/28/05
% Solids	89.57
Dilution Factor	0.1

Volatile Organics by USEPA Method 5035\8260B

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Dibromofluoromethane	84.9		75	125
Fluorobenzene	95.5		75	125
Toluene-D8	108		75	125
Ethylbenzene-d10	106		75	125
Bromofluorobenzene	106		75	125
Trifluorotoluene	103		75	125

Sample results are on a dry weight basis.

Analyte	Result (ug/kg)	RL	Flags
Dichlorodifluoromethane	ND	35.6	
Chloromethane	ND	35.6	
Vinyl chloride	ND	7.12	
Bromomethane	ND	35.6	
Chloroethane	ND	71.2	
Trichlorofluoromethane	ND	35.6	
1,1-Dichloroethene	ND	7.12	
Methylene chloride	ND	7.12	
trans-1,2-Dichloroethene	ND	35.6	
1,1-Dichloroethane	ND	35.6	
2,2-Dichloropropane	ND	35.6	
cis-1,2-Dichloroethene	ND	35.6	
Bromochloromethane	ND	35.6	
Chloroform	ND	35.6	
1,1,1-Trichloroethane	ND	7.12	
Carbon Tetrachloride	ND	7.12	
1,1-Dichloropropene	ND	35.6	
Benzene	ND	7.12	
1,2-Dichloroethane	ND	7.12	
Trichloroethene	ND	7.12	
1,2-Dichloropropane	ND	7.12	
Dibromomethane	ND	35.6	
Bromodichloromethane	ND	35.6	
cis-1,3-Dichloropropene	ND	35.6	
Toluene	ND	35.6	
trans-1,3-Dichloropropene	ND	35.6	

STL Seattle

Volatile Organics by USEPA Method 5035\8260B data for 128457-02 continued...

Analyte	Result (ug/kg)	RL	Flags
1,1,2-Trichloroethane	ND	35.6	
Tetrachloroethene	ND	7.12	
1,3-Dichloropropane	ND	7.12	
Dibromochloromethane	ND	35.6	
1,2-Dibromoethane	ND	1.3	
Chlorobenzene	ND	35.6	
Ethylbenzene	ND	35.6	
1,1,1,2-Tetrachloroethane	ND	35.6	
m,p-Xylene	ND	71.2	
o-Xylene	ND	35.6	
Styrene	ND	35.6	
Bromoform	ND	35.6	
Isopropylbenzene	ND	35.6	
Bromobenzene	ND	35.6	
n-Propylbenzene	ND	35.6	
1,1,2,2-Tetrachloroethane	ND	7.12	
1,2,3-Trichloropropane	ND	7.12	
2-Chlorotoluene	ND	35.6	
1,3,5-Trimethylbenzene	ND	35.6	
4-Chlorotoluene	ND	35.6	
t-Butylbenzene	ND	35.6	
1,2,4-Trimethylbenzene	ND	35.6	
sec-Butylbenzene	ND	35.6	
1,3-Dichlorobenzene	ND	35.6	
4-Isopropyltoluene	ND	35.6	
1,4-Dichlorobenzene	ND	35.6	
n-Butylbenzene	ND	35.6	
1,2-Dichlorobenzene	ND	35.6	
1,2-Dibromo-3-chloropropane	ND	35.6	
1,2,4-Trichlorobenzene	ND	35.6	
1,2,3-Trichlorobenzene	ND	35.6	
Hexachlorobutadiene	ND	35.6	
Naphthalene	ND	35.6	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP5-S-14.0
Lab ID:	128457-04
Date Received:	6/17/05
Date Prepared:	6/28/05
Date Analyzed:	6/28/05
% Solids	86.12
Dilution Factor	0.1

Volatile Organics by USEPA Method 5035\8260B

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Dibromofluoromethane	84.6		75	125
Fluorobenzene	97.1		75	125
Toluene-D8	108		75	125
Ethylbenzene-d10	108		75	125
Bromofluorobenzene	109		75	125
Trifluorotoluene	102		75	125

Sample results are on a dry weight basis.

Analyte	Result (ug/kg)	RL	Flags
Dichlorodifluoromethane	ND	40.5	
Chloromethane	ND	40.5	
Vinyl chloride	ND	8.1	
Bromomethane	ND	40.5	
Chloroethane	ND	81	
Trichlorofluoromethane	ND	40.5	
1,1-Dichloroethene	ND	8.1	
Methylene chloride	ND	8.1	
trans-1,2-Dichloroethene	ND	40.5	
1,1-Dichloroethane	ND	40.5	
2,2-Dichloropropane	ND	40.5	
cis-1,2-Dichloroethene	ND	40.5	
Bromochloromethane	ND	40.5	
Chloroform	ND	40.5	
1,1,1-Trichloroethane	ND	8.1	
Carbon Tetrachloride	ND	8.1	
1,1-Dichloropropene	ND	40.5	
Benzene	ND	8.1	
1,2-Dichloroethane	ND	8.1	
Trichloroethene	ND	8.1	
1,2-Dichloropropane	ND	8.1	
Dibromomethane	ND	40.5	
Bromodichloromethane	ND	40.5	
cis-1,3-Dichloropropene	ND	40.5	
Toluene	ND	40.5	
trans-1,3-Dichloropropene	ND	40.5	

STL Seattle

Volatile Organics by USEPA Method 5035\8260B data for 128457-04 continued...

Analyte	Result (ug/kg)	RL	Flags
1,1,2-Trichloroethane	ND	40.5	
Tetrachloroethene	ND	8.1	
1,3-Dichloropropane	ND	8.1	
Dibromochloromethane	ND	40.5	
1,2-Dibromoethane	ND	1.48	
Chlorobenzene	ND	40.5	
Ethylbenzene	ND	40.5	
1,1,1,2-Tetrachloroethane	ND	40.5	
m,p-Xylene	ND	81	
o-Xylene	ND	40.5	
Styrene	ND	40.5	
Bromoform	ND	40.5	
Isopropylbenzene	ND	40.5	
Bromobenzene	ND	40.5	
n-Propylbenzene	ND	40.5	
1,1,2,2-Tetrachloroethane	ND	8.1	
1,2,3-Trichloropropane	ND	8.1	
2-Chlorotoluene	ND	40.5	
1,3,5-Trimethylbenzene	ND	40.5	
4-Chlorotoluene	ND	40.5	
t-Butylbenzene	ND	40.5	
1,2,4-Trimethylbenzene	ND	40.5	
sec-Butylbenzene	ND	40.5	
1,3-Dichlorobenzene	ND	40.5	
4-Isopropyltoluene	ND	40.5	
1,4-Dichlorobenzene	ND	40.5	
n-Butylbenzene	ND	40.5	
1,2-Dichlorobenzene	ND	40.5	
1,2-Dibromo-3-chloropropane	ND	40.5	
1,2,4-Trichlorobenzene	ND	40.5	
1,2,3-Trichlorobenzene	ND	40.5	
Hexachlorobutadiene	ND	40.5	
Naphthalene	ND	40.5	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP6-S-1.0
Lab ID:	128457-05
Date Received:	6/17/05
Date Prepared:	6/28/05
Date Analyzed:	6/28/05
% Solids	91.51
Dilution Factor	0.1

Volatile Organics by USEPA Method 5035\8260B

Surrogate	% Recovery	Flags	Recovery Limits Low	High
Dibromofluoromethane	85.9		75	125
Fluorobenzene	97		75	125
Toluene-D8	108		75	125
Ethylbenzene-d10	107		75	125
Bromofluorobenzene	109		75	125
Trifluorotoluene	111		75	125

Sample results are on a dry weight basis.

Analyte		Result (ug/kg)	RL	Flags
Dichlorodifluoromethane	ND		42.5	
Chloromethane	ND		42.5	
Vinyl chloride	ND		8.5	
Bromomethane	ND		42.5	
Chloroethane	ND		85	
Trichlorofluoromethane	ND		42.5	
1,1-Dichloroethene	ND		8.5	
Methylene chloride	ND		8.5	
trans-1,2-Dichloroethene	ND		42.5	
1,1-Dichloroethane	ND		42.5	
2,2-Dichloropropane	ND		42.5	
cis-1,2-Dichloroethene	ND		42.5	
Bromochloromethane	ND		42.5	
Chloroform	ND		42.5	
1,1,1-Trichloroethane	ND		8.5	
Carbon Tetrachloride	ND		8.5	
1,1-Dichloropropene	ND		42.5	
Benzene	ND		8.5	
1,2-Dichloroethane	ND		8.5	
Trichloroethene		40.5	8.5	
1,2-Dichloropropane	ND		8.5	
Dibromomethane	ND		42.5	
Bromodichloromethane	ND		42.5	
cis-1,3-Dichloropropene	ND		42.5	
Toluene	ND		42.5	
rans-1,3-Dichloropropene	ND		42.5	

STL Seattle

Volatile Organics by USEPA Method 5035\8260B data for 128457-05 continued...

Analyte	Result (ug/kg)	RL	Flags
1,1,2-Trichloroethane	ND	42.5	
Tetrachloroethene	ND	8.5	
1,3-Dichloropropane	ND	8.5	
Dibromochloromethane	ND	42.5	
1,2-Dibromoethane	ND	1.56	
Chlorobenzene	ND	42.5	
Ethylbenzene	ND	42.5	
1,1,1,2-Tetrachloroethane	ND	42.5	
m,p-Xylene	ND	85	
o-Xylene	ND	42.5	
Styrene	ND	42.5	
Bromoform	ND	42.5	
Isopropylbenzene	ND	42.5	
Bromobenzene	ND	42.5	
n-Propylbenzene	ND	42.5	
1,1,2,2-Tetrachloroethane	ND	8.5	
1,2,3-Trichloropropane	ND	8.5	
2-Chlorotoluene	ND	42.5	
1,3,5-Trimethylbenzene	ND	42.5	
4-Chlorotoluene	ND	42.5	
t-Butylbenzene	ND	42.5	
1,2,4-Trimethylbenzene	ND	42.5	
sec-Butylbenzene	ND	42.5	
1,3-Dichlorobenzene	ND	42.5	
4-Isopropyltoluene	ND	42.5	
1,4-Dichlorobenzene	ND	42.5	
n-Butylbenzene	ND	42.5	
1,2-Dichlorobenzene	ND	42.5	
1,2-Dibromo-3-chloropropane	ND	42.5	
1,2,4-Trichlorobenzene	ND	42.5	
1,2,3-Trichlorobenzene	ND	42.5	
Hexachlorobutadiene	ND	42.5	
Naphthalene	ND	42.5	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP6-S-14.5
Lab ID:	128457-07
Date Received:	6/17/05
Date Prepared:	6/28/05
Date Analyzed:	6/28/05
% Solids	91.45
Dilution Factor	0.1

Volatile Organics by USEPA Method 5035\8260B

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Dibromofluoromethane	85.5		75	125
Fluorobenzene	97.8		75	125
Toluene-D8	106		75	125
Ethylbenzene-d10	106		75	125
Bromofluorobenzene	106		75	125
Trifluorotoluene	107		75	125

Sample results are on a dry weight basis.

Analyte		Result (ug/kg)	RL	Flags
Dichlorodifluoromethane	ND		41.4	
Chloromethane	ND		41.4	
Vinyl chloride	ND		8.28	
Bromomethane	ND		41.4	
Chloroethane	ND		82.8	
Trichlorofluoromethane	ND		41.4	
1,1-Dichloroethene	ND		8.28	
Methylene chloride	ND		8.28	
trans-1,2-Dichloroethene	ND		41.4	
1,1-Dichloroethane	ND		41.4	
2,2-Dichloropropane	ND		41.4	
cis-1,2-Dichloroethene		149	41.4	
Bromochloromethane	ND		41.4	
Chloroform	ND		41.4	
1,1,1-Trichloroethane	ND		8.28	
Carbon Tetrachloride	ND		8.28	
1,1-Dichloropropene	ND		41.4	
Benzene	ND		8.28	
1,2-Dichloroethane	ND		8.28	
Trichloroethene		1160	8.28	
1,2-Dichloropropane	ND		8.28	
Dibromomethane	ND		41.4	
Bromodichloromethane	ND		41.4	
cis-1,3-Dichloropropene	ND		41.4	
Toluene	ND		41.4	
trans-1,3-Dichloropropene	ND		41.4	

STL Seattle

Volatile Organics by USEPA Method 5035\8260B data for 128457-07 continued...

Analyte	Result (ug/kg)	RL	Flags
1,1,2-Trichloroethane	ND	41.4	
Tetrachloroethene	ND	8.28	
1,3-Dichloropropane	ND	8.28	
Dibromochloromethane	ND	41.4	
1,2-Dibromoethane	ND	1.51	
Chlorobenzene	ND	41.4	
Ethylbenzene	ND	41.4	
1,1,1,2-Tetrachloroethane	ND	41.4	
m,p-Xylene	ND	82.8	
o-Xylene	ND	41.4	
Styrene	ND	41.4	
Bromoform	ND	41.4	
Isopropylbenzene	ND	41.4	
Bromobenzene	ND	41.4	
n-Propylbenzene	ND	41.4	
1,1,2,2-Tetrachloroethane	ND	8.28	
1,2,3-Trichloropropane	ND	8.28	
2-Chlorotoluene	ND	41.4	
1,3,5-Trimethylbenzene	ND	41.4	
4-Chlorotoluene	ND	41.4	
t-Butylbenzene	ND	41.4	
1,2,4-Trimethylbenzene	ND	41.4	
sec-Butylbenzene	ND	41.4	
1,3-Dichlorobenzene	ND	41.4	
4-Isopropyltoluene	ND	41.4	
1,4-Dichlorobenzene	ND	41.4	
n-Butylbenzene	ND	41.4	
1,2-Dichlorobenzene	ND	41.4	
1,2-Dibromo-3-chloropropane	ND	41.4	
1,2,4-Trichlorobenzene	ND	41.4	
1,2,3-Trichlorobenzene	ND	41.4	
Hexachlorobutadiene	ND	41.4	
Naphthalene	ND	41.4	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP7-S-2.0
Lab ID:	128457-08
Date Received:	6/17/05
Date Prepared:	6/28/05
Date Analyzed:	6/28/05
% Solids	87.18
Dilution Factor	0.1

Volatile Organics by USEPA Method 5035\8260B

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Dibromofluoromethane	84		75	125
Fluorobenzene	96.4		75	125
Toluene-D8	106		75	125
Ethylbenzene-d10	106		75	125
Bromofluorobenzene	108		75	125
Trifluorotoluene	106		75	125

Sample results are on a dry weight basis.

Analyte	Result (ug/kg)	RL	Flags
Dichlorodifluoromethane	ND	39	
Chloromethane	ND	39	
Vinyl chloride	ND	7.81	
Bromomethane	ND	39	
Chloroethane	ND	78.1	
Trichlorofluoromethane	ND	39	
1,1-Dichloroethene	ND	7.81	
Methylene chloride	ND	7.81	
trans-1,2-Dichloroethene	ND	39	
1,1-Dichloroethane	ND	39	
2,2-Dichloropropane	ND	39	
cis-1,2-Dichloroethene	ND	39	
Bromochloromethane	ND	39	
Chloroform	ND	39	
1,1,1-Trichloroethane	ND	7.81	
Carbon Tetrachloride	ND	7.81	
1,1-Dichloropropene	ND	39	
Benzene	ND	7.81	
1,2-Dichloroethane	ND	7.81	
Trichloroethene	ND	7.81	
1,2-Dichloropropane	ND	7.81	
Dibromomethane	ND	39	
Bromodichloromethane	ND	39	
cis-1,3-Dichloropropene	ND	39	
Toluene	ND	39	
.rans-1,3-Dichloropropene	ND	39	

STL Seattle

Volatile Organics by USEPA Method 5035\8260B data for 128457-08 continued...

Analyte	Result (ug/kg)	RL	Flags
1,1,2-Trichloroethane	ND	39	
Tetrachloroethene	ND	7.81	
1,3-Dichloropropane	ND	7.81	
Dibromochloromethane	ND	39	
1,2-Dibromoethane	ND	1.43	
Chlorobenzene	ND	39	
Ethylbenzene	ND	39	
1,1,1,2-Tetrachloroethane	ND	39	
m,p-Xylene	ND	78.1	
o-Xylene	ND	39	
Styrene	ND	39	
Bromoform	ND	39	
Isopropylbenzene	ND	39	
Bromobenzene	ND	39	
n-Propylbenzene	ND	39	
1,1,2,2-Tetrachloroethane	ND	7.81	
1,2,3-Trichloropropane	ND	7.81	
2-Chlorotoluene	ND	39	
1,3,5-Trimethylbenzene	ND	39	
4-Chlorotoluene	ND	39	
t-Butylbenzene	ND	39	
1,2,4-Trimethylbenzene	ND	39	
sec-Butylbenzene	ND	39	
1,3-Dichlorobenzene	ND	39	
4-Isopropyltoluene	ND	39	
1,4-Dichlorobenzene	ND	39	
n-Butylbenzene	ND	39	
1,2-Dichlorobenzene	ND	39	
1,2-Dibromo-3-chloropropane	ND	39	
1,2,4-Trichlorobenzene	ND	39	
1,2,3-Trichlorobenzene	ND	39	
Hexachlorobutadiene	ND	39	
Naphthalene	ND	39	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP7-S-8.0
Lab ID:	128457-09
Date Received:	6/17/05
Date Prepared:	6/28/05
Date Analyzed:	6/28/05
% Solids	87.02
Dilution Factor	0.1

Volatile Organics by USEPA Method 5035\8260B

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Dibromofluoromethane	82.1		75	125
Fluorobenzene	95.9		75	125
Toluene-D8	107		75	125
Ethylbenzene-d10	106		75	125
Bromofluorobenzene	106		75	125
Trifluorotoluene	100		75	125

Sample results are on a dry weight basis.

Analyte	Result (ug/kg)	RL	Flags
Dichlorodifluoromethane	ND	44.2	
Chloromethane	ND	44.2	
Vinyl chloride	ND	8.84	
Bromomethane	ND	44.2	
Chloroethane	ND	88.4	
Trichlorofluoromethane	ND	44.2	
1,1-Dichloroethene	ND	8.84	
Methylene chloride	ND	8.84	
trans-1,2-Dichloroethene	ND	44.2	
1,1-Dichloroethane	ND	44.2	
2,2-Dichloropropane	ND	44.2	
cis-1,2-Dichloroethene	ND	44.2	
Bromochloromethane	ND	44.2	
Chloroform	ND	44.2	
1,1,1-Trichloroethane	ND	8.84	
Carbon Tetrachloride	ND	8.84	
1,1-Dichloropropene	ND	44.2	
Benzene	ND	8.84	
1,2-Dichloroethane	ND	8.84	
Trichloroethene	ND	8.84	
1,2-Dichloropropane	ND	8.84	
Dibromomethane	ND	44.2	
Bromodichloromethane	ND	44.2	
cis-1,3-Dichloropropene	ND	44.2	
Toluene	ND	44.2	
.rans-1,3-Dichloropropene	ND	44.2	

STL Seattle

Volatile Organics by USEPA Method 5035\8260B data for 128457-09 continued...

Analyte	Result (ug/kg)	RL	Flags
1,1,2-Trichloroethane	ND	44.2	
Tetrachloroethene	ND	8.84	
1,3-Dichloropropane	ND	8.84	
Dibromochloromethane	ND	44.2	
1,2-Dibromoethane	ND	1.62	
Chlorobenzene	ND	44.2	
Ethylbenzene	ND	44.2	
1,1,1,2-Tetrachloroethane	ND	44.2	
m,p-Xylene	ND	88.4	
o-Xylene	ND	44.2	
Styrene	ND	44.2	
Bromoform	ND	44.2	
Isopropylbenzene	ND	44.2	
Bromobenzene	ND	44.2	
n-Propylbenzene	ND	44.2	
1,1,2,2-Tetrachloroethane	ND	8.84	
1,2,3-Trichloropropane	ND	8.84	
2-Chlorotoluene	ND	44.2	
1,3,5-Trimethylbenzene	ND	44.2	
4-Chlorotoluene	ND	44.2	
t-Butylbenzene	ND	44.2	
1,2,4-Trimethylbenzene	ND	44.2	
sec-Butylbenzene	ND	44.2	
1,3-Dichlorobenzene	ND	44.2	
4-Isopropyltoluene	ND	44.2	
1,4-Dichlorobenzene	ND	44.2	
n-Butylbenzene	ND	44.2	
1,2-Dichlorobenzene	ND	44.2	
1,2-Dibromo-3-chloropropane	ND	44.2	
1,2,4-Trichlorobenzene	ND	44.2	
1,2,3-Trichlorobenzene	ND	44.2	
Hexachlorobutadiene	ND	44.2	
Naphthalene	ND	44.2	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP8-S-1.5
Lab ID:	128457-10
Date Received:	6/17/05
Date Prepared:	6/28/05
Date Analyzed:	6/28/05
% Solids	80.93
Dilution Factor	0.1

Volatile Organics by USEPA Method 5035\8260B

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Dibromofluoromethane	82.1		75	125
Fluorobenzene	96.4		75	125
Toluene-D8	106		75	125
Ethylbenzene-d10	103		75	125
Bromofluorobenzene	105		75	125
Trifluorotoluene	102		75	125

Sample results are on a dry weight basis.

Analyte	Result (ug/kg)	RL	Flags
Dichlorodifluoromethane	ND	49.3	
Chloromethane	ND	49.3	
Vinyl chloride	ND	9.86	
Bromomethane	ND	49.3	
Chloroethane	ND	98.6	
Trichlorofluoromethane	ND	49.3	
1,1-Dichloroethene	ND	9.86	
Methylene chloride	ND	9.86	
trans-1,2-Dichloroethene	ND	49.3	
1,1-Dichloroethane	ND	49.3	
2,2-Dichloropropane	ND	49.3	
cis-1,2-Dichloroethene	ND	49.3	
Bromochloromethane	ND	49.3	
Chloroform	ND	49.3	
1,1,1-Trichloroethane	ND	9.86	
Carbon Tetrachloride	ND	9.86	
1,1-Dichloropropene	ND	49.3	
Benzene	ND	9.86	
1,2-Dichloroethane	ND	9.86	
Trichloroethene	ND	9.86	
1,2-Dichloropropane	ND	9.86	
Dibromomethane	ND	49.3	
Bromodichloromethane	ND	49.3	
cis-1,3-Dichloropropene	ND	49.3	
Toluene	ND	49.3	
trans-1,3-Dichloropropene	ND	49.3	

STL Seattle

Volatile Organics by USEPA Method 5035\8260B data for 128457-10 continued...

Analyte	Result (ug/kg)	RL	Flags
1,1,2-Trichloroethane	ND	49.3	
Tetrachloroethene	ND	9.86	
1,3-Dichloropropane	ND	9.86	
Dibromochloromethane	ND	49.3	
1,2-Dibromoethane	ND	1.8	
Chlorobenzene	ND	49.3	
Ethylbenzene	ND	49.3	
1,1,1,2-Tetrachloroethane	ND	49.3	
m,p-Xylene	ND	98.6	
o-Xylene	ND	49.3	
Styrene	ND	49.3	
Bromoform	ND	49.3	
Isopropylbenzene	ND	49.3	
Bromobenzene	ND	49.3	
n-Propylbenzene	ND	49.3	
1,1,2,2-Tetrachloroethane	ND	9.86	
1,2,3-Trichloropropane	ND	9.86	
2-Chlorotoluene	ND	49.3	
1,3,5-Trimethylbenzene	ND	49.3	
4-Chlorotoluene	ND	49.3	
t-Butylbenzene	ND	49.3	
1,2,4-Trimethylbenzene	ND	49.3	
sec-Butylbenzene	ND	49.3	
1,3-Dichlorobenzene	ND	49.3	
4-Isopropyltoluene	ND	49.3	
1,4-Dichlorobenzene	ND	49.3	
n-Butylbenzene	ND	49.3	
1,2-Dichlorobenzene	ND	49.3	
1,2-Dibromo-3-chloropropane	ND	49.3	
1,2,4-Trichlorobenzene	ND	49.3	
1,2,3-Trichlorobenzene	ND	49.3	
Hexachlorobutadiene	ND	49.3	
Naphthalene	ND	49.3	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP9-S-2.0
Lab ID:	128457-11
Date Received:	6/17/05
Date Prepared:	6/28/05
Date Analyzed:	6/28/05
% Solids	87.84
Dilution Factor	0.1

Volatile Organics by USEPA Method 5035\8260B

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Dibromofluoromethane	82.4		75	125
Fluorobenzene	96.8		75	125
Toluene-D8	106		75	125
Ethylbenzene-d10	105		75	125
Bromofluorobenzene	107		75	125
Trifluorotoluene	105		75	125

Sample results are on a dry weight basis.

Analyte	Result (ug/kg)	RL	Flags
Dichlorodifluoromethane	ND	37.1	
Chloromethane	ND	37.1	
Vinyl chloride	ND	7.42	
Bromomethane	ND	37.1	
Chloroethane	ND	74.2	
Trichlorofluoromethane	ND	37.1	
1,1-Dichloroethene	ND	7.42	
Methylene chloride	ND	7.42	
trans-1,2-Dichloroethene	ND	37.1	
1,1-Dichloroethane	ND	37.1	
2,2-Dichloropropane	ND	37.1	
cis-1,2-Dichloroethene	ND	37.1	
Bromochloromethane	ND	37.1	
Chloroform	ND	37.1	
1,1,1-Trichloroethane	ND	7.42	
Carbon Tetrachloride	ND	7.42	
1,1-Dichloropropene	ND	37.1	
Benzene	ND	7.42	
1,2-Dichloroethane	ND	7.42	
Trichloroethene	ND	7.42	
1,2-Dichloropropane	ND	7.42	
Dibromomethane	ND	37.1	
Bromodichloromethane	ND	37.1	
cis-1,3-Dichloropropene	ND	37.1	
Toluene	ND	37.1	
trans-1,3-Dichloropropene	ND	37.1	

STL Seattle

Volatile Organics by USEPA Method 5035\8260B data for 128457-11 continued...

Analyte	Result (ug/kg)	RL	Flags
1,1,2-Trichloroethane	ND	37.1	
Tetrachloroethene	ND	7.42	
1,3-Dichloropropane	ND	7.42	
Dibromochloromethane	ND	37.1	
1,2-Dibromoethane	ND	1.36	
Chlorobenzene	ND	37.1	
Ethylbenzene	ND	37.1	
1,1,1,2-Tetrachloroethane	ND	37.1	
m,p-Xylene	ND	74.2	
o-Xylene	ND	37.1	
Styrene	ND	37.1	
Bromoform	ND	37.1	
Isopropylbenzene	ND	37.1	
Bromobenzene	ND	37.1	
n-Propylbenzene	ND	37.1	
1,1,2,2-Tetrachloroethane	ND	7.42	
1,2,3-Trichloropropane	ND	7.42	
2-Chlorotoluene	ND	37.1	
1,3,5-Trimethylbenzene	ND	37.1	
4-Chlorotoluene	ND	37.1	
t-Butylbenzene	ND	37.1	
1,2,4-Trimethylbenzene	ND	37.1	
sec-Butylbenzene	ND	37.1	
1,3-Dichlorobenzene	ND	37.1	
4-Isopropyltoluene	ND	37.1	
1,4-Dichlorobenzene	ND	37.1	
n-Butylbenzene	ND	37.1	
1,2-Dichlorobenzene	ND	37.1	
1,2-Dibromo-3-chloropropane	ND	37.1	
1,2,4-Trichlorobenzene	ND	37.1	
1,2,3-Trichlorobenzene	ND	37.1	
Hexachlorobutadiene	ND	37.1	
Naphthalene	ND	37.1	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP10-S-1.5
Lab ID:	128457-12
Date Received:	6/17/05
Date Prepared:	6/28/05
Date Analyzed:	6/28/05
% Solids	89.62
Dilution Factor	0.1

Volatile Organics by USEPA Method 5035\8260B

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Dibromofluoromethane	84.6		75	125
Fluorobenzene	96.3		75	125
Toluene-D8	106		75	125
Ethylbenzene-d10	106		75	125
Bromofluorobenzene	106		75	125
Trifluorotoluene	109		75	125

Sample results are on a dry weight basis.

Analyte		Result (ug/kg)	RL	Flags
Dichlorodifluoromethane	ND		55.8	
Chloromethane	ND		55.8	
Vinyl chloride	ND		11.2	
Bromomethane	ND		55.8	
Chloroethane	ND		112	
Trichlorofluoromethane	ND		55.8	
1,1-Dichloroethene		23.7	11.2	
Methylene chloride		17.9	11.2	
trans-1,2-Dichloroethene	ND		55.8	
1,1-Dichloroethane	ND		55.8	
2,2-Dichloropropane	ND		55.8	
cis-1,2-Dichloroethene	ND		55.8	
Bromochloromethane	ND		55.8	
Chloroform	ND		55.8	
1,1,1-Trichloroethane	ND		11.2	
Carbon Tetrachloride	ND		11.2	
1,1-Dichloropropene	ND		55.8	
Benzene	ND		11.2	
1,2-Dichloroethane	ND		11.2	
Trichloroethene	ND		11.2	
1,2-Dichloropropane	ND		11.2	
Dibromomethane	ND		55.8	
Bromodichloromethane	ND		55.8	
cis-1,3-Dichloropropene	ND		55.8	
Toluene	ND		55.8	
trans-1,3-Dichloropropene	ND		55.8	

STL Seattle

Volatile Organics by USEPA Method 5035\8260B data for 128457-12 continued...

Analyte	Result (ug/kg)	RL	Flags
1,1,2-Trichloroethane	ND	55.8	
Tetrachloroethene	ND	11.2	
1,3-Dichloropropane	ND	11.2	
Dibromochloromethane	ND	55.8	
1,2-Dibromoethane	ND	2.04	
Chlorobenzene	ND	55.8	
Ethylbenzene	ND	55.8	
1,1,1,2-Tetrachloroethane	ND	55.8	
m,p-Xylene	ND	112	
o-Xylene	ND	55.8	
Styrene	ND	55.8	
Bromoform	ND	55.8	
Isopropylbenzene	ND	55.8	
Bromobenzene	ND	55.8	
n-Propylbenzene	ND	55.8	
1,1,2,2-Tetrachloroethane	ND	11.2	
1,2,3-Trichloropropane	ND	11.2	
2-Chlorotoluene	ND	55.8	
1,3,5-Trimethylbenzene	ND	55.8	
4-Chlorotoluene	ND	55.8	
t-Butylbenzene	ND	55.8	
1,2,4-Trimethylbenzene	ND	55.8	
sec-Butylbenzene	ND	55.8	
1,3-Dichlorobenzene	ND	55.8	
4-Isopropyltoluene	ND	55.8	
1,4-Dichlorobenzene	ND	55.8	
n-Butylbenzene	ND	55.8	
1,2-Dichlorobenzene	ND	55.8	
1,2-Dibromo-3-chloropropane	ND	55.8	
1,2,4-Trichlorobenzene	ND	55.8	
1,2,3-Trichlorobenzene	ND	55.8	
Hexachlorobutadiene	ND	55.8	
Naphthalene	ND	55.8	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP10-S-13.5
Lab ID:	128457-14
Date Received:	6/17/05
Date Prepared:	6/28/05
Date Analyzed:	6/28/05
% Solids	92.42
Dilution Factor	0.1

Volatile Organics by USEPA Method 5035\8260B

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Dibromofluoromethane	84.7		75	125
Fluorobenzene	96.7		75	125
Toluene-D8	108		75	125
Ethylbenzene-d10	106		75	125
Bromofluorobenzene	108		75	125
Trifluorotoluene	112		75	125

Sample results are on a dry weight basis.

Analyte	Result (ug/kg)	RL	Flags
Dichlorodifluoromethane	ND	39.8	
Chloromethane	ND	39.8	
Vinyl chloride	ND	7.96	
Bromomethane	ND	39.8	
Chloroethane	ND	79.6	
Trichlorofluoromethane	ND	39.8	
1,1-Dichloroethene	ND	7.96	
Methylene chloride	ND	7.96	
trans-1,2-Dichloroethene	ND	39.8	
1,1-Dichloroethane	ND	39.8	
2,2-Dichloropropane	ND	39.8	
cis-1,2-Dichloroethene	ND	39.8	
Bromochloromethane	ND	39.8	
Chloroform	ND	39.8	
1,1,1-Trichloroethane	ND	7.96	
Carbon Tetrachloride	ND	7.96	
1,1-Dichloropropene	ND	39.8	
Benzene	ND	7.96	
1,2-Dichloroethane	ND	7.96	
Trichloroethene	ND	7.96	
1,2-Dichloropropane	ND	7.96	
Dibromomethane	ND	39.8	
Bromodichloromethane	ND	39.8	
cis-1,3-Dichloropropene	ND	39.8	
Toluene	ND	39.8	
trans-1,3-Dichloropropene	ND	39.8	

STL Seattle

Volatile Organics by USEPA Method 5035\8260B data for 128457-14 continued...

Analyte	Result (ug/kg)	RL	Flags
1,1,2-Trichloroethane	ND	39.8	
Tetrachloroethene	ND	7.96	
1,3-Dichloropropane	ND	7.96	
Dibromochloromethane	ND	39.8	
1,2-Dibromoethane	ND	1.46	
Chlorobenzene	ND	39.8	
Ethylbenzene	ND	39.8	
1,1,1,2-Tetrachloroethane	ND	39.8	
m,p-Xylene	ND	79.6	
o-Xylene	ND	39.8	
Styrene	ND	39.8	
Bromoform	ND	39.8	
Isopropylbenzene	ND	39.8	
Bromobenzene	ND	39.8	
n-Propylbenzene	ND	39.8	
1,1,2,2-Tetrachloroethane	ND	7.96	
1,2,3-Trichloropropane	ND	7.96	
2-Chlorotoluene	ND	39.8	
1,3,5-Trimethylbenzene	ND	39.8	
4-Chlorotoluene	ND	39.8	
t-Butylbenzene	ND	39.8	
1,2,4-Trimethylbenzene	ND	39.8	
sec-Butylbenzene	ND	39.8	
1,3-Dichlorobenzene	ND	39.8	
4-Isopropyltoluene	ND	39.8	
1,4-Dichlorobenzene	ND	39.8	
n-Butylbenzene	ND	39.8	
1,2-Dichlorobenzene	ND	39.8	
1,2-Dibromo-3-chloropropane	ND	39.8	
1,2,4-Trichlorobenzene	ND	39.8	
1,2,3-Trichlorobenzene	ND	39.8	
Hexachlorobutadiene	ND	39.8	
Naphthalene	ND	39.8	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP11-S-2.0
Lab ID:	128457-15
Date Received:	6/17/05
Date Prepared:	6/28/05
Date Analyzed:	6/28/05
% Solids	91.15
Dilution Factor	0.1

Volatile Organics by USEPA Method 5035\8260B

Surrogate	% Recovery	Flags	Recovery Limits Low	High
Dibromofluoromethane	84.4		75	125
Fluorobenzene	97		75	125
Toluene-D8	108		75	125
Ethylbenzene-d10	107		75	125
Bromofluorobenzene	110		75	125
Trifluorotoluene	112		75	125

Sample results are on a dry weight basis.

Analyte	Result (ug/kg)	RL	Flags
Dichlorodifluoromethane	ND	41.9	
Chloromethane	ND	41.9	
Vinyl chloride	ND	8.37	
Bromomethane	ND	41.9	
Chloroethane	ND	83.7	
Trichlorofluoromethane	ND	41.9	
1,1-Dichloroethene	ND	8.37	
Methylene chloride	ND	8.37	
trans-1,2-Dichloroethene	ND	41.9	
1,1-Dichloroethane	ND	41.9	
2,2-Dichloropropane	ND	41.9	
cis-1,2-Dichloroethene	ND	41.9	
Bromochloromethane	ND	41.9	
Chloroform	ND	41.9	
1,1,1-Trichloroethane	ND	8.37	
Carbon Tetrachloride	ND	8.37	
1,1-Dichloropropene	ND	41.9	
Benzene	ND	8.37	
1,2-Dichloroethane	ND	8.37	
Trichloroethene	87.2	8.37	
1,2-Dichloropropane	ND	8.37	
Dibromomethane	ND	41.9	
Bromodichloromethane	ND	41.9	
cis-1,3-Dichloropropene	ND	41.9	
Toluene	ND	41.9	
trans-1,3-Dichloropropene	ND	41.9	

STL Seattle

Volatile Organics by USEPA Method 5035\8260B data for 128457-15 continued...

Analyte	Result (ug/kg)	RL	Flags
1,1,2-Trichloroethane	ND	41.9	
Tetrachloroethene	ND	8.37	
1,3-Dichloropropane	ND	8.37	
Dibromochloromethane	ND	41.9	
1,2-Dibromoethane	ND	1.53	
Chlorobenzene	ND	41.9	
Ethylbenzene	ND	41.9	
1,1,1,2-Tetrachloroethane	ND	41.9	
m,p-Xylene	ND	83.7	
o-Xylene	ND	41.9	
Styrene	ND	41.9	
Bromoform	ND	41.9	
Isopropylbenzene	ND	41.9	
Bromobenzene	ND	41.9	
n-Propylbenzene	ND	41.9	
1,1,2,2-Tetrachloroethane	ND	8.37	
1,2,3-Trichloropropane	ND	8.37	
2-Chlorotoluene	ND	41.9	
1,3,5-Trimethylbenzene	ND	41.9	
4-Chlorotoluene	ND	41.9	
t-Butylbenzene	ND	41.9	
1,2,4-Trimethylbenzene	ND	41.9	
sec-Butylbenzene	ND	41.9	
1,3-Dichlorobenzene	ND	41.9	
4-Isopropyltoluene	ND	41.9	
1,4-Dichlorobenzene	ND	41.9	
n-Butylbenzene	ND	41.9	
1,2-Dichlorobenzene	ND	41.9	
1,2-Dibromo-3-chloropropane	ND	41.9	
1,2,4-Trichlorobenzene	ND	41.9	
1,2,3-Trichlorobenzene	ND	41.9	
Hexachlorobutadiene	ND	41.9	
Naphthalene	ND	41.9	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP11-S-6.5
Lab ID:	128457-16
Date Received:	6/17/05
Date Prepared:	6/28/05
Date Analyzed:	6/28/05
% Solids	91.5
Dilution Factor	0.1

Volatile Organics by USEPA Method 5035\8260B

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Dibromofluoromethane	84.7		75	125
Fluorobenzene	98.6		75	125
Toluene-D8	108		75	125
Ethylbenzene-d10	107		75	125
Bromofluorobenzene	110		75	125
Trifluorotoluene	112		75	125

Sample results are on a dry weight basis.

Analyte	Result (ug/kg)		RL	Flags
Dichlorodifluoromethane	ND		43	
Chloromethane	ND		43	
Vinyl chloride	ND		8.61	
Bromomethane	ND		43	
Chloroethane	ND		86.1	
Trichlorofluoromethane	ND		43	
1,1-Dichloroethene	ND		8.61	
Methylene chloride	ND		8.61	
trans-1,2-Dichloroethene	ND		43	
1,1-Dichloroethane	ND		43	
2,2-Dichloropropane	ND		43	
cis-1,2-Dichloroethene		78.8	43	
Bromochloromethane	ND		43	
Chloroform	ND		43	
1,1,1-Trichloroethane	ND		8.61	
Carbon Tetrachloride	ND		8.61	
1,1-Dichloropropene	ND		43	
Benzene	ND		8.61	
1,2-Dichloroethane	ND		8.61	
Trichloroethene		281	8.61	
1,2-Dichloropropane	ND		8.61	
Dibromomethane	ND		43	
Bromodichloromethane	ND		43	
cis-1,3-Dichloropropene	ND		43	
Toluene	ND		43	
rans-1,3-Dichloropropene	ND		43	

STL Seattle

Volatile Organics by USEPA Method 5035\8260B data for 128457-16 continued...

Analyte	Result (ug/kg)	RL	Flags
1,1,2-Trichloroethane	ND	43	
Tetrachloroethene	ND	8.61	
1,3-Dichloropropane	ND	8.61	
Dibromochloromethane	ND	43	
1,2-Dibromoethane	ND	1.58	
Chlorobenzene	ND	43	
Ethylbenzene	ND	43	
1,1,1,2-Tetrachloroethane	ND	43	
m,p-Xylene	ND	86.1	
o-Xylene	ND	43	
Styrene	ND	43	
Bromoform	ND	43	
Isopropylbenzene	ND	43	
Bromobenzene	ND	43	
n-Propylbenzene	ND	43	
1,1,2,2-Tetrachloroethane	ND	8.61	
1,2,3-Trichloropropane	ND	8.61	
2-Chlorotoluene	ND	43	
1,3,5-Trimethylbenzene	ND	43	
4-Chlorotoluene	ND	43	
t-Butylbenzene	ND	43	
1,2,4-Trimethylbenzene	ND	43	
sec-Butylbenzene	ND	43	
1,3-Dichlorobenzene	ND	43	
4-Isopropyltoluene	ND	43	
1,4-Dichlorobenzene	ND	43	
n-Butylbenzene	ND	43	
1,2-Dichlorobenzene	ND	43	
1,2-Dibromo-3-chloropropane	ND	43	
1,2,4-Trichlorobenzene	ND	43	
1,2,3-Trichlorobenzene	ND	43	
Hexachlorobutadiene	ND	43	
Naphthalene	ND	43	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP4-W-8.0
Lab ID:	128457-17
Date Received:	6/17/2005
Date Prepared:	6/23/2005
Date Analyzed:	6/24/2005
% Solids	-
Dilution Factor	1

Semivolatile Organics by EPA Method 8270

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Nitrobenzene - d5	104		34	146
2 - Fluorobiphenyl	99.1		35	143
p - Terphenyl - d14	99.1		35	166

Analyte	Result (ug/L)	RL	Flags
Naphthalene	ND	0.477	
2-Methylnaphthalene	ND	0.477	
2-Chloronaphthalene	ND	0.191	
Acenaphthylene	ND	0.191	
Acenaphthene	ND	0.191	
Fluorene	ND	0.191	
Phenanthrene	ND	0.191	
Anthracene	ND	0.191	
Fluoranthene	ND	0.191	
Pyrene	ND	0.191	
Benzo(a)anthracene	ND	0.191	
Chrysene	ND	0.191	
Benzofluoranthenes	ND	0.954	
Benzo(a)pyrene	ND	0.191	
Indeno(1,2,3-cd)pyrene	ND	0.191	
Dibenz(a,h)anthracene	ND	0.191	
Benzo(g,h,i)perylene	ND	0.191	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP8-W-10.0
Lab ID:	128457-21
Date Received:	6/17/2005
Date Prepared:	6/23/2005
Date Analyzed:	6/24/2005
% Solids	-
Dilution Factor	1

Semivolatile Organics by EPA Method 8270

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Nitrobenzene - d5	48.5		34	146
2 - Fluorobiphenyl	44		35	143
p - Terphenyl - d14	45.1		35	166

Analyte		Result (ug/L)	RL	Flags
Naphthalene		26.5	0.485	
2-Methylnaphthalene		8.56	0.485	
2-Chloronaphthalene	ND		0.194	
Acenaphthylene	ND		0.194	
Acenaphthene		0.328	0.194	
Fluorene		0.298	0.194	
Phenanthrene		5.54	0.194	
Anthracene	ND		0.194	
Fluoranthene	ND		0.194	
Pyrene	ND		0.194	
Benzo(a)anthracene	ND		0.194	
Chrysene	ND		0.194	
Benzofluoranthenes	ND		0.97	
Benzo(a)pyrene	ND		0.194	
Indeno(1,2,3-cd)pyrene	ND		0.194	
Dibenz(a,h)anthracene	ND		0.194	
Benzo(g,h,i)perylene	ND		0.194	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	MW2-W-0605
Lab ID:	128457-23
Date Received:	6/17/2005
Date Prepared:	6/23/2005
Date Analyzed:	6/24/2005
% Solids	-
Dilution Factor	1

Semivolatile Organics by EPA Method 8270

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Nitrobenzene - d5	99		34	146
2 - Fluorobiphenyl	96.3		35	143
p - Terphenyl - d14	96.2		35	166

Analyte	Result (ug/L)	RL	Flags
Naphthalene	0.854	0.481	
2-Methylnaphthalene	ND	0.481	
2-Chloronaphthalene	ND	0.192	
Acenaphthylene	ND	0.192	
Acenaphthene	ND	0.192	
Fluorene	ND	0.192	
Phenanthrene	ND	0.192	
Anthracene	ND	0.192	
Fluoranthene	ND	0.192	
Pyrene	ND	0.192	
Benzo(a)anthracene	ND	0.192	
Chrysene	ND	0.192	
Benzofluoranthenes	ND	0.962	
Benzo(a)pyrene	ND	0.192	
Indeno(1,2,3-cd)pyrene	ND	0.192	
Dibenz(a,h)anthracene	ND	0.192	
Benzo(g,h,i)perylene	ND	0.192	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP8-W-10.0
Lab ID:	128457-21
Date Received:	6/17/2005
Date Prepared:	6/23/2005
Date Analyzed:	6/24/2005
% Solids	-
Dilution Factor	1

PCBs by EPA Method 8082

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	108		32	134
Decachlorobiphenyl	79.7		55	128

Analyte	**Result (ug/L)**	**RL**	**Flags**
Aroclor 1016	ND	0.0958	
Aroclor 1221	ND	0.0958	
Aroclor 1232	ND	0.0958	
Aroclor 1242	ND	0.0958	
Aroclor 1248	ND	0.0958	
Aroclor 1254	ND	0.0958	
Aroclor 1260	ND	0.0958	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP8-W-10.0
Lab ID:	128457-21
Date Received:	6/17/2005
Date Prepared:	6/24/2005
Date Analyzed:	6/24/2005
% Solids	-
Dilution Factor	1

Gasoline Range Organics by Method NWTPH-Gx

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Trifluorotoluene	144		50	150
1-Chloro-3-fluorobenzene	112		50	150
Bromofluorobenzene	121		50	150
Pentafluorobenzene	95.8		50	150

Analyte	Result (mg/L)	RL	Flags
Gasoline by NWTPH-G	0.155	0.1	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	MW2-W-0605
Lab ID:	128457-23
Date Received:	6/17/2005
Date Prepared:	6/24/2005
Date Analyzed:	6/24/2005
% Solids	-
Dilution Factor	1

Gasoline Range Organics by Method NWTPH-Gx

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Trifluorotoluene	72.2		50	150
1-Chloro-3-fluorobenzene	65.2		50	150
Bromofluorobenzene	67.9		50	150
Pentafluorobenzene	68.7		50	150

Analyte	Result (mg/L)	RL	Flags
Gasoline by NWTPH-G	ND	0.1	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP4-W-8.0
Lab ID:	128457-17
Date Received:	6/17/2005
Date Prepared:	6/22/2005
Date Analyzed:	6/30/2005
% Solids	-
Dilution Factor	1

Diesel and Motor Oil by NWTPH-Dx Modified

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
o-terphenyl	101		50	150

Analyte	Result (mg/L)	RL	Flags
#2 Diesel	0.325	0.239	X2
Motor Oil	ND	0.478	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP8-W-10.0
Lab ID:	128457-21
Date Received:	6/17/2005
Date Prepared:	6/22/2005
Date Analyzed:	6/30/2005
% Solids	-
Dilution Factor	1

Diesel and Motor Oil by NWTPH-Dx Modified

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
o-terphenyl	98.9		50	150

Analyte	Result (mg/L)	RL	Flags
#2 Diesel	0.814	0.24	X2
Motor Oil	ND	0.479	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	MW2-W-0605
Lab ID:	128457-23
Date Received:	6/17/2005
Date Prepared:	6/22/2005
Date Analyzed:	6/30/2005
% Solids	-
Dilution Factor	1

Diesel and Motor Oil by NWTPH-Dx Modified

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
o-terphenyl	97.3		50	150

Analyte	Result (mg/L)	RL	Flags
#2 Diesel	0.438	0.241	X1
Motor Oil	0.512	0.482	

X1 - Chromatogram suggests this might be overlap from motor oil range

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP4-S-1.5
Lab ID:	128457-01
Date Received:	6/17/2005
Date Prepared:	6/23/2005
Date Analyzed:	6/29/2005
% Solids	80.65
Dilution Factor	1

NWTPH-HCID - Hydrocarbon Identification Method for Soil Modified

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
1-bromo-4-fluorobenzene	85.3		50	150
o-terphenyl	79.6		50	150

Sample results are on a dry weight basis.

	Result			
Analyte	**(mg/kg)**	**RL**		**Flags**
Gasoline (Toluene-nC12)	<24.2	24.2		
#2 Diesel (>nC12-nC24)	<60.4	60.4		
Motor Oil (>nC24-nC32)	<121	121		

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP4-S-1.5 - dup
Lab ID:	128457R01
Date Received:	-
Date Prepared:	6/23/2005
Date Analyzed:	6/29/2005
% Solids	80.65
Dilution Factor	1

NWTPH-HCID - Hydrocarbon Identification Method for Soil Modified

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
1-bromo-4-fluorobenzene	86.1		50	150
o-terphenyl	92.2		50	150

Sample results are on a dry weight basis.

Analyte	**Result (mg/kg)**	**RL**	**Flags**
Gasoline (Toluene-nC12)	<24	24	
#2 Diesel (>nC12-nC24)	<59.9	59.9	
Motor Oil (>nC24-nC32)	<120	120	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP5-S-1.5
Lab ID:	128457-02
Date Received:	6/17/2005
Date Prepared:	6/23/2005
Date Analyzed:	6/23/2005
% Solids	89.57
Dilution Factor	1

NWTPH-HCID - Hydrocarbon Identification Method for Soil Modified

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
1-bromo-4-fluorobenzene	56.8		50	150
o-terphenyl	61.7		50	150

Sample results are on a dry weight basis.

Analyte	**Result (mg/kg)**	**RL**	**Flags**
Gasoline (Toluene-nC12)	<19.4	19.4	
#2 Diesel (>nC12-nC24)	<48.4	48.4	
Motor Oil (>nC24-nC32)	<96.9	96.9	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP5-S-14.0
Lab ID:	128457-04
Date Received:	6/17/2005
Date Prepared:	6/23/2005
Date Analyzed:	6/23/2005
% Solids	86.12
Dilution Factor	1

NWTPH-HCID - Hydrocarbon Identification Method for Soil Modified

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
1-bromo-4-fluorobenzene	51.1		50	150
o-terphenyl	57.8		50	150

Sample results are on a dry weight basis.

Analyte	**Result (mg/kg)**	**RL**	**Flags**
Gasoline (Toluene-nC12)	<20.1	20.1	
#2 Diesel (>nC12-nC24)	<50.3	50.3	
Motor Oil (>nC24-nC32)	<101	101	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP6-S-1.0
Lab ID:	128457-05
Date Received:	6/17/2005
Date Prepared:	6/23/2005
Date Analyzed:	6/30/2005
% Solids	91.51
Dilution Factor	1

NWTPH-HCID - Hydrocarbon Identification Method for Soil Modified

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
1-bromo-4-fluorobenzene	110		50	150
o-terphenyl	123		50	150

Sample results are on a dry weight basis.

	Result		
Analyte	**(mg/kg)**	**RL**	**Flags**
Gasoline (Toluene-nC12)	<21	21	
#2 Diesel (>nC12-nC24)	<52.4	52.4	
Motor Oil (>nC24-nC32)	<105	105	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP6-S-14.5
Lab ID:	128457-07
Date Received:	6/17/2005
Date Prepared:	6/23/2005
Date Analyzed:	6/23/2005
% Solids	91.45
Dilution Factor	1

NWTPH-HCID - Hydrocarbon Identification Method for Soil Modified

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
1-bromo-4-fluorobenzene	76.6		50	150
o-terphenyl	89.1		50	150

Sample results are on a dry weight basis.

Analyte	**Result (mg/kg)**	**RL**	**Flags**
Gasoline (Toluene-nC12)	<19.6	19.6	
#2 Diesel (>nC12-nC24)	<49	49	
Motor Oil (>nC24-nC32)	<98	98	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP7-S-2.0
Lab ID:	128457-08
Date Received:	6/17/2005
Date Prepared:	6/23/2005
Date Analyzed:	6/23/2005
% Solids	87.18
Dilution Factor	1

NWTPH-HCID - Hydrocarbon Identification Method for Soil Modified

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
1-bromo-4-fluorobenzene	58.6		50	150
o-terphenyl	82.3		50	150

Sample results are on a dry weight basis.

Analyte	**Result (mg/kg)**	**RL**	**Flags**
Gasoline (Toluene-nC12)	<19.7	19.7	
#2 Diesel (>nC12-nC24)	<49.2	49.2	
Motor Oil (>nC24-nC32)	<98.5	98.5	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP7-S-8.0
Lab ID:	128457-09
Date Received:	6/17/2005
Date Prepared:	6/23/2005
Date Analyzed:	6/30/2005
% Solids	87.02
Dilution Factor	1

NWTPH-HCID - Hydrocarbon Identification Method for Soil Modified

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
1-bromo-4-fluorobenzene	66.8		50	150
o-terphenyl	75.3		50	150

Sample results are on a dry weight basis.

Analyte	**Result (mg/kg)**	**RL**	**Flags**
Gasoline (Toluene-nC12)	<22.8	22.8	
#2 Diesel (>nC12-nC24)	<57	57	
Motor Oil (>nC24-nC32)	<114	114	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP8-S-1.5
Lab ID:	128457-10
Date Received:	6/17/2005
Date Prepared:	6/23/2005
Date Analyzed:	6/23/2005
% Solids	80.93
Dilution Factor	1

NWTPH-HCID - Hydrocarbon Identification Method for Soil Modified

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
1-bromo-4-fluorobenzene	58.5		50	150
o-terphenyl	60.2		50	150

Sample results are on a dry weight basis.

	Result			
Analyte	**(mg/kg)**		**RL**	**Flags**
Gasoline (Toluene-nC12)	<20.8		20.8	
#2 Diesel (>nC12-nC24)	<51.9		51.9	
Motor Oil (>nC24-nC32)	<104		104	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP9-S-2.0
Lab ID:	128457-11
Date Received:	6/17/2005
Date Prepared:	6/23/2005
Date Analyzed:	6/30/2005
% Solids	87.84
Dilution Factor	1

NWTPH-HCID - Hydrocarbon Identification Method for Soil Modified

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
1-bromo-4-fluorobenzene	76		50	150
o-terphenyl	81.6		50	150

Sample results are on a dry weight basis.

	Result (mg/kg)	**RL**	**Flags**
Analyte			
Gasoline (Toluene-nC12)	<20.6	20.6	
#2 Diesel (>nC12-nC24)	<51.5	51.5	
Motor Oil (>nC24-nC32)	<103	103	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP10-S-1.5
Lab ID:	128457-12
Date Received:	6/17/2005
Date Prepared:	6/23/2005
Date Analyzed:	6/24/2005
% Solids	89.62
Dilution Factor	1

NWTPH-HCID - Hydrocarbon Identification Method for Soil Modified

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
1-bromo-4-fluorobenzene	67		50	150
o-terphenyl	78.3		50	150

Sample results are on a dry weight basis.

Analyte	**Result (mg/kg)**	**RL**	**Flags**
Gasoline (Toluene-nC12)	<21	21	
#2 Diesel (>nC12-nC24)	<52.6	52.6	
Motor Oil (>nC24-nC32)	<105	105	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP10-S-13.5
Lab ID:	128457-14
Date Received:	6/17/2005
Date Prepared:	6/23/2005
Date Analyzed:	6/24/2005
% Solids	92.42
Dilution Factor	1

NWTPH-HCID - Hydrocarbon Identification Method for Soil Modified

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
1-bromo-4-fluorobenzene	80.4		50	150
o-terphenyl	90		50	150

Sample results are on a dry weight basis.

	Result (mg/kg)	**RL**	**Flags**
Analyte			
Gasoline (Toluene-nC12)	<21.3	21.3	
#2 Diesel (>nC12-nC24)	<53.4	53.4	
Motor Oil (>nC24-nC32)	<107	107	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP11-S-2.0
Lab ID:	128457-15
Date Received:	6/17/2005
Date Prepared:	6/23/2005
Date Analyzed:	6/24/2005
% Solids	91.15
Dilution Factor	1

NWTPH-HCID - Hydrocarbon Identification Method for Soil Modified

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
1-bromo-4-fluorobenzene	73.8		50	150
o-terphenyl	84.2		50	150

Sample results are on a dry weight basis.

Analyte	**Result (mg/kg)**	**RL**	**Flags**
Gasoline (Toluene-nC12)	<21.1	21.1	
#2 Diesel (>nC12-nC24)	<52.8	52.8	
Motor Oil (>nC24-nC32)	<106	106	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP11-S-6.5
Lab ID:	128457-16
Date Received:	6/17/2005
Date Prepared:	6/23/2005
Date Analyzed:	6/24/2005
% Solids	91.5
Dilution Factor	1

NWTPH-HCID - Hydrocarbon Identification Method for Soil Modified

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
1-bromo-4-fluorobenzene	64.2		50	150
o-terphenyl	74.5		50	150

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	Flags
Gasoline (Toluene-nC12)	<19.5	19.5	
#2 Diesel (>nC12-nC24)	<48.7	48.7	
Motor Oil (>nC24-nC32)	<97.4	97.4	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP4-W-8.0
Lab ID:	128457-17
Date Received:	6/17/2005
Date Prepared:	6/22/2005
Date Analyzed:	6/22/2005
% Solids	-
Dilution Factor	1

NWTPH-HCID - Hydrocarbon Identification Method for Water Modified

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
1-bromo-4-fluorobenzene	86.4		50	150
o-terphenyl	110		50	150

Analyte	**Result (mg/L)**	**RL**	**Flags**
Gasoline (Toluene-nC12)	<0.0957	0.0957	
#2 Diesel (>nC12-nC24)	>0.239	0.239	x2
Motor Oil (>nC24-nC32)	<0.478	0.478	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP5-W-18.0
Lab ID:	128457-18
Date Received:	6/17/2005
Date Prepared:	6/22/2005
Date Analyzed:	6/22/2005
% Solids	-
Dilution Factor	1

NWTPH-HCID - Hydrocarbon Identification Method for Water Modified

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
1-bromo-4-fluorobenzene	62.1		50	150
o-terphenyl	82.3		50	150

Analyte	Result (mg/L)	RL	Flags
Gasoline (Toluene-nC12)	<0.0972	0.0972	
#2 Diesel (>nC12-nC24)	<0.243	0.243	
Motor Oil (>nC24-nC32)	<0.486	0.486	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP6-W-18.0
Lab ID:	128457-19
Date Received:	6/17/2005
Date Prepared:	6/22/2005
Date Analyzed:	6/22/2005
% Solids	-
Dilution Factor	1

NWTPH-HCID - Hydrocarbon Identification Method for Water Modified

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
1-bromo-4-fluorobenzene	53.4		50	150
o-terphenyl	84.1		50	150

Analyte	Result (mg/L)	RL	Flags
Gasoline (Toluene-nC12)	<0.0962	0.0962	
#2 Diesel (>nC12-nC24)	<0.241	0.241	
Motor Oil (>nC24-nC32)	<0.481	0.481	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP7-W-14.0
Lab ID:	128457-20
Date Received:	6/17/2005
Date Prepared:	6/22/2005
Date Analyzed:	6/23/2005
% Solids	-
Dilution Factor	1

NWTPH-HCID - Hydrocarbon Identification Method for Water Modified

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
1-bromo-4-fluorobenzene	64		50	150
o-terphenyl	87.3		50	150

	Result		
Analyte	**(mg/L)**	**RL**	**Flags**
Gasoline (Toluene-nC12)	<0.0978	0.0978	
#2 Diesel (>nC12-nC24)	<0.245	0.245	
Motor Oil (>nC24-nC32)	<0.489	0.489	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	GP8-W-10.0
Lab ID:	128457-21
Date Received:	6/17/2005
Date Prepared:	6/22/2005
Date Analyzed:	6/23/2005
% Solids	-
Dilution Factor	1

NWTPH-HCID - Hydrocarbon Identification Method for Water Modified

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
1-bromo-4-fluorobenzene	74.8		50	150
o-terphenyl	97.9		50	150

Analyte	Result (mg/L)	RL	Flags
Gasoline (Toluene-nC12)	>0.0959	0.0959	x2
#2 Diesel (>nC12-nC24)	>0.24	0.24	
Motor Oil (>nC24-nC32)	>0.479	0.479	

STL Seattle

Client Name:	Maul Foster & Alongi, Inc.
Client ID:	MW2-W-0605
Lab ID:	128457-23
Date Received:	6/17/2005
Date Prepared:	6/22/2005
Date Analyzed:	6/23/2005
% Solids	-
Dilution Factor	1

NWTPH-HCID - Hydrocarbon Identification Method for Water Modified

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
1-bromo-4-fluorobenzene	66.3		50	150
o-terphenyl	85.1		50	150

Analyte	**Result (mg/L)**	**RL**	**Flags**
Gasoline (Toluene-nC12)	<0.0964	0.0964	
#2 Diesel (>nC12-nC24)	>0.241	0.241	x2
Motor Oil (>nC24-nC32)	>0.482	0.482	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	GP4-S-1.5
Lab ID:	128457-01
Date Received:	6/17/05
Date Prepared:	6/22/05
Date Analyzed:	6/22/05
Dilution Factor	1
% Solids	80.65

Metals by ICP - USEPA Method 6010

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	Flags
Chromium	1230	2.2	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	GP5-S-1.5
Lab ID:	128457-02
Date Received:	6/17/05
Date Prepared:	6/22/05
Date Analyzed:	6/22/05
Dilution Factor	1
% Solids	89.57

Metals by ICP - USEPA Method 6010

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	Flags
Chromium	18.9	2.09	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	GP5-S-14.0
Lab ID:	128457-04
Date Received:	6/17/05
Date Prepared:	6/22/05
Date Analyzed:	6/22/05
Dilution Factor	1
% Solids	86.12

Metals by ICP - USEPA Method 6010

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	Flags
Chromium	20.1	2.22	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	GP6-S-1.0
Lab ID:	128457-05
Date Received:	6/17/05
Date Prepared:	6/22/05
Date Analyzed:	6/22/05
Dilution Factor	1
% Solids	91.51

Metals by ICP - USEPA Method 6010

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	Flags
Chromium	584	2.03	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	GP6-S-14.5
Lab ID:	128457-07
Date Received:	6/17/05
Date Prepared:	6/22/05
Date Analyzed:	6/22/05
Dilution Factor	1
% Solids	91.45

Metals by ICP - USEPA Method 6010

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	Flags
Chromium	259	1.79	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	GP7-S-2.0
Lab ID:	128457-08
Date Received:	6/17/05
Date Prepared:	6/22/05
Date Analyzed:	6/22/05
Dilution Factor	1
% Solids	87.18

Metals by ICP - USEPA Method 6010

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	Flags
Chromium	23.6	1.99	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	GP7-S-8.0
Lab ID:	128457-09
Date Received:	6/17/05
Date Prepared:	6/22/05
Date Analyzed:	6/22/05
Dilution Factor	1
% Solids	87.02

Metals by ICP - USEPA Method 6010

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	Flags
Chromium	21	1.95	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	GP8-S-1.5
Lab ID:	128457-10
Date Received:	6/17/05
Date Prepared:	6/22/05
Date Analyzed:	6/22/05
Dilution Factor	1
% Solids	80.93

Metals by ICP - USEPA Method 6010

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	Flags
Chromium	22.2	2.31	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	GP9-S-2.0
Lab ID:	128457-11
Date Received:	6/17/05
Date Prepared:	6/22/05
Date Analyzed:	6/22/05
Dilution Factor	1
% Solids	87.84

Metals by ICP - USEPA Method 6010

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	Flags
Chromium	43.3	1.95	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	GP10-S-1.5
Lab ID:	128457-12
Date Received:	6/17/05
Date Prepared:	6/22/05
Date Analyzed:	6/22/05
Dilution Factor	1
% Solids	89.62

Metals by ICP - USEPA Method 6010

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	Flags
Chromium	21.8	2.06	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	GP10-S-13.5
Lab ID:	128457-14
Date Received:	6/17/05
Date Prepared:	6/22/05
Date Analyzed:	6/22/05
Dilution Factor	1
% Solids	92.42

Metals by ICP - USEPA Method 6010

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	Flags
Chromium	24.1	1.73	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	GP11-S-2.0
Lab ID:	128457-15
Date Received:	6/17/05
Date Prepared:	6/22/05
Date Analyzed:	6/22/05
Dilution Factor	1
% Solids	91.15

Metals by ICP - USEPA Method 6010

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	Flags
Chromium	21.7	1.78	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	GP11-S-6.5
Lab ID:	128457-16
Date Received:	6/17/05
Date Prepared:	6/22/05
Date Analyzed:	6/22/05
Dilution Factor	1
% Solids	91.5

Metals by ICP - USEPA Method 6010

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	Flags
Chromium	17.3	1.87	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	GP4-W-8.0
Lab ID:	128457-17
Date Received:	6/17/05
Date Prepared:	6/22/05
Date Analyzed:	6/22/05
Dilution Factor	100

Dissolved Metals by ICP - USEPA Method 6010

Analyte	Result (mg/L)	RL	Flags
Chromium	267	2	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	GP5-W-18.0
Lab ID:	128457-18
Date Received:	6/17/05
Date Prepared:	6/22/05
Date Analyzed:	6/22/05
Dilution Factor	1

Dissolved Metals by ICP - USEPA Method 6010

Analyte	Result (mg/L)	RL	Flags
Chromium	ND	0.02	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	GP6-W-18.0
Lab ID:	128457-19
Date Received:	6/17/05
Date Prepared:	6/22/05
Date Analyzed:	6/22/05
Dilution Factor	100

Dissolved Metals by ICP - USEPA Method 6010

Analyte	Result (mg/L)	RL	Flags
Chromium	343	2	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	GP7-W-14.0
Lab ID:	128457-20
Date Received:	6/17/05
Date Prepared:	6/22/05
Date Analyzed:	6/22/05
Dilution Factor	1

Dissolved Metals by ICP - USEPA Method 6010

Analyte	Result (mg/L)	RL	Flags
Chromium	ND	0.02	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	GP8-W-10.0
Lab ID:	128457-21
Date Received:	6/17/05
Date Prepared:	6/22/05
Date Analyzed:	6/22/05
Dilution Factor	100

Dissolved Metals by ICP - USEPA Method 6010

Analyte	Result (mg/L)	RL	Flags
Chromium	355	2	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	MW1-W-35.0
Lab ID:	128457-22
Date Received:	6/17/05
Date Prepared:	6/22/05
Date Analyzed:	6/22/05
Dilution Factor	1

Dissolved Metals by ICP - USEPA Method 6010

Analyte	Result (mg/L)	RL	Flags
Chromium	ND	0.02	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	MW2-W-0605
Lab ID:	128457-23
Date Received:	6/17/05
Date Prepared:	6/22/05
Date Analyzed:	6/22/05
Dilution Factor	1

Dissolved Metals by ICP - USEPA Method 6010

Analyte	Result (mg/L)	RL	Flags
Chromium	ND	0.02	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	GP4-S-1.5
Lab ID:	128457-01
Date Received:	6/17/05
Date Prepared:	6/29/05
Date Analyzed:	6/29/05
Dilution Factor	1
% Solids	80.65

Hexavalent Chromium by ICP - USEPA Method 7195/6010

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	Flags
Hexavalent Chromium	53.4	0.122	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	GP5-S-1.5
Lab ID:	128457-02
Date Received:	6/17/05
Date Prepared:	6/29/05
Date Analyzed:	6/29/05
Dilution Factor	1
% Solids	89.57

Hexavalent Chromium by ICP - USEPA Method 7195/6010

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	Flags
Hexavalent Chromium	ND	0.111	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	GP5-S-14.0
Lab ID:	128457-04
Date Received:	6/17/05
Date Prepared:	6/29/05
Date Analyzed:	6/29/05
Dilution Factor	1
% Solids	86.12

Hexavalent Chromium by ICP - USEPA Method 7195/6010

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	Flags
Hexavalent Chromium	ND	0.115	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	GP6-S-1.0
Lab ID:	128457-05
Date Received:	6/17/05
Date Prepared:	6/29/05
Date Analyzed:	6/29/05
Dilution Factor	1
% Solids	91.51

Hexavalent Chromium by ICP - USEPA Method 7195/6010

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	Flags
Hexavalent Chromium	627	0.107	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	GP6-S-14.5
Lab ID:	128457-07
Date Received:	6/17/05
Date Prepared:	6/29/05
Date Analyzed:	6/29/05
Dilution Factor	1
% Solids	91.45

Hexavalent Chromium by ICP - USEPA Method 7195/6010

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	Flags
Hexavalent Chromium	0.181	0.108	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	GP7-S-2.0
Lab ID:	128457-08
Date Received:	6/17/05
Date Prepared:	6/29/05
Date Analyzed:	6/29/05
Dilution Factor	1
% Solids	87.18

Hexavalent Chromium by ICP - USEPA Method 7195/6010

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	Flags
Hexavalent Chromium	0.119	0.114	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	GP7-S-8.0
Lab ID:	128457-09
Date Received:	6/17/05
Date Prepared:	6/29/05
Date Analyzed:	6/29/05
Dilution Factor	1
% Solids	87.02

Hexavalent Chromium by ICP - USEPA Method 7195/6010

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	Flags
Hexavalent Chromium	ND	0.113	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	GP8-S-1.5
Lab ID:	128457-10
Date Received:	6/17/05
Date Prepared:	6/29/05
Date Analyzed:	6/29/05
Dilution Factor	1
% Solids	80.93

Hexavalent Chromium by ICP - USEPA Method 7195/6010

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	Flags
Hexavalent Chromium	0.661	0.123	

660099

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	GP9-S-2.0
Lab ID:	128457-11
Date Received:	6/17/05
Date Prepared:	6/29/05
Date Analyzed:	6/29/05
Dilution Factor	1
% Solids	87.84

Hexavalent Chromium by ICP - USEPA Method 7195/6010

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	Flags
Hexavalent Chromium	2.97	0.113	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	GP10-S-1.5
Lab ID:	128457-12
Date Received:	6/17/05
Date Prepared:	6/29/05
Date Analyzed:	6/29/05
Dilution Factor	1
% Solids	89.62

Hexavalent Chromium by ICP - USEPA Method 7195/6010

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	Flags
Hexavalent Chromium	0.142	0.11	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	GP10-S-13.5
Lab ID:	128457-14
Date Received:	6/17/05
Date Prepared:	6/29/05
Date Analyzed:	6/29/05
Dilution Factor	1
% Solids	92.42

Hexavalent Chromium by ICP - USEPA Method 7195/6010

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	Flags
Hexavalent Chromium	ND	0.106	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	GP11-S-2.0
Lab ID:	128457-15
Date Received:	6/17/05
Date Prepared:	6/29/05
Date Analyzed:	6/29/05
Dilution Factor	1
% Solids	91.15

Hexavalent Chromium by ICP - USEPA Method 7195/6010

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	Flags
Hexavalent Chromium	0.573	0.109	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	GP11-S-6.5
Lab ID:	128457-16
Date Received:	6/17/05
Date Prepared:	6/29/05
Date Analyzed:	6/29/05
Dilution Factor	1
% Solids	91.5

Hexavalent Chromium by ICP - USEPA Method 7195/6010

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	Flags
Hexavalent Chromium	0.37	0.107	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	GP4-W-8.0
Lab ID:	128457-17
Date Received:	6/17/05
Date Prepared:	6/17/05
Date Analyzed:	6/20/05
Dilution Factor	100

Hexavalent Chromium by ICP - USEPA Method 7195/6010

Analyte	Result (mg/L)	RL	Flags
Hexavalent Chromium	236	1	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	GP5-W-18.0
Lab ID:	128457-18
Date Received:	6/17/05
Date Prepared:	6/17/05
Date Analyzed:	6/20/05
Dilution Factor	1

Hexavalent Chromium by ICP - USEPA Method 7195/6010

Analyte	Result (mg/L)	RL	Flags
Hexavalent Chromium	0.0897	0.01	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	GP6-W-18.0
Lab ID:	128457-19
Date Received:	6/17/05
Date Prepared:	6/17/05
Date Analyzed:	6/20/05
Dilution Factor	100

Hexavalent Chromium by ICP - USEPA Method 7195/6010

Analyte	Result (mg/L)	RL	Flags
Hexavalent Chromium	300	1	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	GP7-W-14.0
Lab ID:	128457-20
Date Received:	6/17/05
Date Prepared:	6/17/05
Date Analyzed:	6/20/05
Dilution Factor	1

Hexavalent Chromium by ICP - USEPA Method 7195/6010

Analyte	Result (mg/L)	RL	Flags
Hexavalent Chromium	0.101	0.01	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	GP8-W-10.0
Lab ID:	128457-21
Date Received:	6/17/05
Date Prepared:	6/17/05
Date Analyzed:	6/20/05
Dilution Factor	100

Hexavalent Chromium by ICP - USEPA Method 7195/6010

Analyte	Result (mg/L)	RL	Flags
Hexavalent Chromium	294	1	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	MW1-W-35.0
Lab ID:	128457-22
Date Received:	6/17/05
Date Prepared:	6/17/05
Date Analyzed:	6/20/05
Dilution Factor	1

Hexavalent Chromium by ICP - USEPA Method 7195/6010

Analyte	Result (mg/L)	RL	Flags
Hexavalent Chromium	0.269	0.01	

STL Seattle

Client Name	Maul Foster & Alongi, Inc.
Client ID:	MW2-W-0605
Lab ID:	128457-23
Date Received:	6/17/05
Date Prepared:	6/17/05
Date Analyzed:	6/20/05
Dilution Factor	1

Hexavalent Chromium by ICP - USEPA Method 7195/6010

Analyte	Result (mg/L)	RL	Flags
Hexavalent Chromium	ND	0.01	

STL Seattle

Lab ID:	Method Blank - VOA1380
Date Received:	-
Date Prepared:	6/23/2005
Date Analyzed:	6/24/2005
% Solids	-
Dilution Factor	1

Volatile Organics by USEPA Method 5035\8260B

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Dibromofluoromethane	93.4		80	120
Fluorobenzene	110		80	120
Toluene-D8	107		80	120
Ethylbenzene-d10	104		80	120
Bromofluorobenzene	105		80	120
Trifluorotoluene	91.8		80	120

Analyte	Result (ug/L)	RL	Flags
Dichlorodifluoromethane	ND	1	
Chloromethane	ND	1	
Vinyl chloride	ND	1	
Bromomethane	ND	1	
Chloroethane	ND	1	
Trichlorofluoromethane	ND	1	
1,1-Dichloroethene	ND	1	
Methylene chloride	ND	1	
trans-1,2-Dichloroethene	ND	1	
1,1-Dichloroethane	ND	1	
2,2-Dichloropropane	ND	1	
cis-1,2-Dichloroethene	ND	1	
Bromochloromethane	ND	1	
Chloroform	ND	1	
1,1,1-Trichloroethane	ND	1	
Carbon Tetrachloride	ND	1	
1,1-Dichloropropene	ND	1	
Benzene	ND	1	
1,2-Dichloroethane	ND	1	
Trichloroethene	ND	1	
1,2-Dichloropropane	ND	1	
Dibromomethane	ND	1	
Bromodichloromethane	ND	1	
cis-1,3-Dichloropropene	ND	1	
Toluene	ND	1	
trans-1,3-Dichloropropene	ND	1	

STL Seattle

Volatile Organics by USEPA Method 5035\8260B data for VOA1380 continued...

Analyte	Result (ug/L)	RL	Flags
1,1,2-Trichloroethane	ND	1	
Tetrachloroethene	ND	1	
1,3-Dichloropropane	ND	1	
Dibromochloromethane	ND	1	
1,2-Dibromoethane	ND	1	
Chlorobenzene	ND	1	
Ethylbenzene	ND	1	
1,1,1,2-Tetrachloroethane	ND	1	
m,p-Xylene	ND	2	
o-Xylene	ND	1	
Styrene	ND	1	
Bromoform	ND	1	
Isopropylbenzene	ND	1	
Bromobenzene	ND	1	
n-Propylbenzene	ND	1	
1,1,2,2-Tetrachloroethane	ND	1	
1,2,3-Trichloropropane	ND	1	
2-Chlorotoluene	ND	1	
1,3,5-Trimethylbenzene	ND	1	
4-Chlorotoluene	ND	1	
t-Butylbenzene	ND	1	
1,2,4-Trimethylbenzene	ND	1	
sec-Butylbenzene	ND	1	
1,3-Dichlorobenzene	ND	1	
4-Isopropyltoluene	ND	1	
1,4-Dichlorobenzene	ND	1	
n-Butylbenzene	ND	1	
1,2-Dichlorobenzene	ND	1	
1,2-Dibromo-3-chloropropane	ND	1	
1,2,4-Trichlorobenzene	ND	1	
1,2,3-Trichlorobenzene	ND	1	
Hexachlorobutadiene	ND	1	
Naphthalene	ND	1	

STL Seattle

Lab ID:	Method Blank - VOA1382
Date Received:	-
Date Prepared:	6/24/2005
Date Analyzed:	6/24/2005
% Solids	-
Dilution Factor	1

Volatile Organics by USEPA Method 5035\8260B

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Dibromofluoromethane	96		80	120
Fluorobenzene	104		80	120
Toluene-D8	109		80	120
Ethylbenzene-d10	107		80	120
Bromofluorobenzene	107		80	120
Trifluorotoluene	112		80	120

Analyte	Result (ug/L)	RL	Flags
Dichlorodifluoromethane	ND	1	
Chloromethane	ND	1	
Vinyl chloride	ND	1	
Bromomethane	ND	1	
Chloroethane	ND	1	
Trichlorofluoromethane	ND	1	
1,1-Dichloroethene	ND	1	
Methylene chloride	ND	1	
trans-1,2-Dichloroethene	ND	1	
1,1-Dichloroethane	ND	1	
2,2-Dichloropropane	ND	1	
cis-1,2-Dichloroethene	ND	1	
Bromochloromethane	ND	1	
Chloroform	ND	1	
1,1,1-Trichloroethane	ND	1	
Carbon Tetrachloride	ND	1	
1,1-Dichloropropene	ND	1	
Benzene	ND	1	
1,2-Dichloroethane	ND	1	
Trichloroethene	ND	1	
1,2-Dichloropropane	ND	1	
Dibromomethane	ND	1	
Bromodichloromethane	ND	1	
cis-1,3-Dichloropropene	ND	1	
Toluene	ND	1	
trans-1,3-Dichloropropene	ND	1	

STL Seattle

Volatile Organics by USEPA Method 5035\8260B data for VOA1382 continued...

Analyte	Result (ug/L)	RL	Flags
1,1,2-Trichloroethane	ND	1	
Tetrachloroethene	ND	1	
1,3-Dichloropropane	ND	1	
Dibromochloromethane	ND	1	
1,2-Dibromoethane	ND	1	
Chlorobenzene	ND	1	
Ethylbenzene	ND	1	
1,1,1,2-Tetrachloroethane	ND	1	
m,p-Xylene	ND	2	
o-Xylene	ND	1	
Styrene	ND	1	
Bromoform	ND	1	
Isopropylbenzene	ND	1	
Bromobenzene	ND	1	
n-Propylbenzene	ND	1	
1,1,2,2-Tetrachloroethane	ND	1	
1,2,3-Trichloropropane	ND	1	
2-Chlorotoluene	ND	1	
1,3,5-Trimethylbenzene	ND	1	
4-Chlorotoluene	ND	1	
t-Butylbenzene	ND	1	
1,2,4-Trimethylbenzene	ND	1	
sec-Butylbenzene	ND	1	
1,3-Dichlorobenzene	ND	1	
4-Isopropyltoluene	ND	1	
1,4-Dichlorobenzene	ND	1	
n-Butylbenzene	ND	1	
1,2-Dichlorobenzene	ND	1	
1,2-Dibromo-3-chloropropane	ND	1	
1,2,4-Trichlorobenzene	ND	1	
1,2,3-Trichlorobenzene	ND	1	
Hexachlorobutadiene	ND	1	
Naphthalene	ND	1	

STL Seattle

Lab ID:	Method Blank - VOA1390
Date Received:	-
Date Prepared:	6/28/05
Date Analyzed:	6/28/05
% Solids	
Dilution Factor	0.1

Volatile Organics by USEPA Method 5035\8260B

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Dibromofluoromethane	86		75	125
Fluorobenzene	96.3		75	125
Toluene-D8	109		75	125
Ethylbenzene-d10	108		75	125
Bromofluorobenzene	109		75	125
Trifluorotoluene	121		75	125

Sample results are on an as received basis.

Analyte	Result (ug/kg)	RL	Flags
Dichlorodifluoromethane	ND	40	
Chloromethane	ND	40	
Vinyl chloride	ND	8	
Bromomethane	ND	40	
Chloroethane	ND	80	
Trichlorofluoromethane	ND	40	
1,1-Dichloroethene	ND	8	
Methylene chloride	ND	8	
trans-1,2-Dichloroethene	ND	40	
1,1-Dichloroethane	ND	40	
2,2-Dichloropropane	ND	40	
cis-1,2-Dichloroethene	ND	40	
Bromochloromethane	ND	40	
Chloroform	ND	40	
1,1,1-Trichloroethane	ND	8	
Carbon Tetrachloride	ND	8	
1,1-Dichloropropene	ND	40	
Benzene	ND	8	
1,2-Dichloroethane	ND	8	
Trichloroethene	ND	8	
1,2-Dichloropropane	ND	8	
Dibromomethane	ND	40	
Bromodichloromethane	ND	40	
cis-1,3-Dichloropropene	ND	40	
Toluene	ND	40	
trans-1,3-Dichloropropene	ND	40	

STL Seattle

Volatile Organics by USEPA Method 5035\8260B data for VOA1390 continued...

Analyte	Result (ug/kg)	RL	Flags
1,1,2-Trichloroethane	ND	40	
Tetrachloroethene	ND	8	
1,3-Dichloropropane	ND	8	
Dibromochloromethane	ND	40	
1,2-Dibromoethane	ND	1.46	
Chlorobenzene	ND	40	
Ethylbenzene	ND	40	
1,1,1,2-Tetrachloroethane	ND	40	
m,p-Xylene	ND	80	
o-Xylene	ND	40	
Styrene	ND	40	
Bromoform	ND	40	
Isopropylbenzene	ND	40	
Bromobenzene	ND	40	
n-Propylbenzene	ND	40	
1,1,2,2-Tetrachloroethane	ND	8	
1,2,3-Trichloropropane	ND	8	
2-Chlorotoluene	ND	40	
1,3,5-Trimethylbenzene	ND	40	
4-Chlorotoluene	ND	40	
t-Butylbenzene	ND	40	
1,2,4-Trimethylbenzene	ND	40	
sec-Butylbenzene	ND	40	
1,3-Dichlorobenzene	ND	40	
4-Isopropyltoluene	ND	40	
1,4-Dichlorobenzene	ND	40	
n-Butylbenzene	ND	40	
1,2-Dichlorobenzene	ND	40	
1,2-Dibromo-3-chloropropane	ND	40	
1,2,4-Trichlorobenzene	ND	40	
1,2,3-Trichlorobenzene	ND	40	
Hexachlorobutadiene	ND	40	
Naphthalene	ND	40	

STL Seattle

Lab ID:	Method Blank - VOA1401
Date Received:	-
Date Prepared:	7/1/2005
Date Analyzed:	7/1/2005
% Solids	-
Dilution Factor	1

Volatile Organics by USEPA Method 5035\8260B

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Dibromofluoromethane	91.8		80	120
Fluorobenzene	103		80	120
Toluene-D8	118		80	120
Ethylbenzene-d10	116		80	120
Bromofluorobenzene	109		80	120
Trifluorotoluene	97		80	120

Analyte	**Result (ug/L)**	**RL**	**Flags**
Dichlorodifluoromethane	ND	1	
Chloromethane	ND	1	
Vinyl chloride	ND	1	
Bromomethane	ND	1	
Chloroethane	ND	1	
Trichlorofluoromethane	ND	1	
1,1-Dichloroethene	ND	1	
Methylene chloride	ND	1	
trans-1,2-Dichloroethene	ND	1	
1,1-Dichloroethane	ND	1	
2,2-Dichloropropane	ND	1	
cis-1,2-Dichloroethene	ND	1	
Bromochloromethane	ND	1	
Chloroform	ND	1	
1,1,1-Trichloroethane	ND	1	
Carbon Tetrachloride	ND	1	
1,1-Dichloropropene	ND	1	
Benzene	ND	1	
1,2-Dichloroethane	ND	1	
Trichloroethene	ND	1	
1,2-Dichloropropane	ND	1	
Dibromomethane	ND	1	
Bromodichloromethane	ND	1	
cis-1,3-Dichloropropene	ND	1	
Toluene	ND	1	
trans-1,3-Dichloropropene	ND	1	

STL Seattle

Volatile Organics by USEPA Method 5035\8260B data for VOA1401 continued...

Analyte	Result (ug/L)	RL	Flags
1,1,2-Trichloroethane	ND	1	
Tetrachloroethene	ND	1	
1,3-Dichloropropane	ND	1	
Dibromochloromethane	ND	1	
1,2-Dibromoethane	ND	1	
Chlorobenzene	ND	1	
Ethylbenzene	ND	1	
1,1,1,2-Tetrachloroethane	ND	1	
m,p-Xylene	ND	2	
o-Xylene	ND	1	
Styrene	ND	1	
Bromoform	ND	1	
Isopropylbenzene	ND	1	
Bromobenzene	ND	1	
n-Propylbenzene	ND	1	
1,1,2,2-Tetrachloroethane	ND	1	
1,2,3-Trichloropropane	ND	1	
2-Chlorotoluene	ND	1	
1,3,5-Trimethylbenzene	ND	1	
4-Chlorotoluene	ND	1	
t-Butylbenzene	ND	1	
1,2,4-Trimethylbenzene	ND	1	
sec-Butylbenzene	ND	1	
1,3-Dichlorobenzene	ND	1	
4-Isopropyltoluene	ND	1	
1,4-Dichlorobenzene	ND	1	
n-Butylbenzene	ND	1	
1,2-Dichlorobenzene	ND	1	
1,2-Dibromo-3-chloropropane	ND	1	
1,2,4-Trichlorobenzene	ND	1	
1,2,3-Trichlorobenzene	ND	1	
Hexachlorobutadiene	ND	1	
Naphthalene	ND	1	

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	VOA1380
Date Prepared:	6/23/2005
Date Analyzed:	6/24/2005
QC Batch ID:	VOA1380

Volatile Organics by USEPA Method 5035\8260B

Compound Name	Blank Result (ug/L)	Spike Amount (ug/L)	BS Result (ug/L)	BS % Rec.	BSD Result (ug/L)	BSD % Rec.	RPD	Flag
1,1-Dichloroethene	0	5	4.56	91.2	4.59	91.7	0.55	
Benzene	0	5	4.6	92	5.12	102	10	
Trichloroethene	0	5	5.15	103	4.57	91.3	-12	
Toluene	0	5	4.64	92.7	4.52	90.4	-2.5	
Chlorobenzene	0	5	4.78	95.7	4.67	93.4	-2.4	

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	VOA1382
Date Prepared:	6/24/2005
Date Analyzed:	6/24/2005
QC Batch ID:	VOA1382

Volatile Organics by USEPA Method 5035\8260B

Compound Name	Blank Result (ug/L)	Spike Amount (ug/L)	BS Result (ug/L)	BS % Rec.	BSD Result (ug/L)	BSD % Rec.	RPD	Flag
1,1-Dichloroethene	0	5	5.06	101	4.77	95.4	-5.7	
Benzene	0	5	5.17	103	5.01	100	-3	
Trichloroethene	0	5	4.65	93	5	99.9	7.2	
Toluene	0	5	4.79	95.7	4.96	99.3	3.7	
Chlorobenzene	0	5	4.96	99.1	4.74	94.8	-4.4	

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	VOA1390
Date Prepared:	6/28/05
Date Analyzed:	6/28/05
QC Batch ID:	VOA1390

Volatile Organics by USEPA Method 5035\8260B

Compound Name	Blank Result (ug/kg)	Spike Amount (ug/kg)	BS Result (ug/kg)	BS % Rec.	BSD Result (ug/kg)	BSD % Rec.	RPD	Flag
1,1-Dichloroethene	0	200	226	113	205	102	-10	
Benzene	0	200	207	104	189	94.6	-9.5	
Trichloroethene	0	200	209	105	201	101	-3.9	
Toluene	0	200	226	113	211	106	-6.4	
Chlorobenzene	0	200	234	117	216	108	-8	

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	VOA1401
Date Prepared:	7/1/2005
Date Analyzed:	7/1/2005
QC Batch ID:	VOA1401

Volatile Organics by USEPA Method 5035\8260B

Compound Name	Blank Result (ug/L)	Spike Amount (ug/L)	BS Result (ug/L)	BS % Rec.	BSD Result (ug/L)	BSD % Rec.	RPD	Flag
1,1-Dichloroethene	0	5	6.05	121	6.56	131	7.9	n
Benzene	0	5	4.86	97.2	5.05	101	3.8	
Trichloroethene	0	5	4.87	97.5	5.06	101	3.5	
Toluene	0	5	4.49	89.7	5.12	102	13	
Chlorobenzene	0	5	4.8	96	5.15	103	7	

STL Seattle

Lab ID:	Method Blank - SW1151
Date Received:	-
Date Prepared:	6/23/2005
Date Analyzed:	6/24/2005
% Solids	-
Dilution Factor	1

Semivolatile Organics by EPA Method 8270

Surrogate	% Recovery	Flags	Recovery Limits Low	High
Nitrobenzene - d5	54.2		34	146
2 - Fluorobiphenyl	54.4		35	143
p - Terphenyl - d14	51.5		35	166

Analyte	Result (ug/L)	RL	Flags
Naphthalene	ND	0.5	
2-Methylnaphthalene	ND	0.5	
2-Chloronaphthalene	ND	0.2	
Acenaphthylene	ND	0.2	
Acenaphthene	ND	0.2	
Fluorene	ND	0.2	
Phenanthrene	ND	0.2	
Anthracene	ND	0.2	
Fluoranthene	ND	0.2	
Pyrene	ND	0.2	
Benzo(a)anthracene	ND	0.2	
Chrysene	ND	0.2	
Benzofluoranthenes	ND	1	
Benzo(a)pyrene	ND	0.2	
Indeno(1,2,3-cd)pyrene	ND	0.2	
Dibenz(a,h)anthracene	ND	0.2	
Benzo(g,h,i)perylene	ND	0.2	

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	SW1151
Date Prepared:	6/23/2005
Date Analyzed:	6/24/2005
QC Batch ID:	SW1151

Semivolatile Organics by EPA Method 8270

Compound Name	Blank Result (ug/L)	Spike Amount (ug/L)	BS Result (ug/L)	BS % Rec.	BSD Result (ug/L)	BSD % Rec.	RPD	Flag
Naphthalene	0	10	10.3	103	8.29	82.9	-22	
2-Methylnaphthalene	0	10	8.69	86.9	9.17	91.7	5.4	
Acenaphthylene	0	10	10.7	107	10.3	103	-3.8	
Acenaphthene	0	10	10.5	105	9.3	93	-12	
Fluorene	0	10	11.7	117	11.3	113	-3.5	
Phenanthrene	0	10	11.3	113	11.4	114	0.88	
Anthracene	0	10	12.1	121	10.6	106	-13	
Fluoranthene	0	10	7.81	78.1	7.54	75.4	-3.5	
Pyrene	0	10	10.5	105	9.57	95.7	-9.3	
Benzo(a)anthracene	0	10	10.3	103	11.2	112	8.4	
Chrysene	0	10	9.54	95.4	9.84	98.4	3.1	
enzofluoranthenes	0	20	21.4	107	21	105	-1.9	
enzo(a)pyrene	0	10	10.8	108	10.2	102	-5.7	
Indeno(1,2,3-cd)pyrene	0	10	15.1	151	14.5	145	-4.1	N
Dibenz(a,h)anthracene	0	10	12.8	128	11	110	-15	
Benzo(g,h,i)perylene	0	10	10.6	106	12.7	127	18	

STL Seattle

Lab ID:	Method Blank - PBW0345
Date Received:	-
Date Prepared:	6/23/2005
Date Analyzed:	6/23/2005
% Solids	-
Dilution Factor	1

PCBs by EPA Method 8082

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Tetrachloro-m-xylene	77.1		32	134
Decachlorobiphenyl	79.4		55	128

Analyte	Result (ug/L)	RL	Flags
Aroclor 1016	ND	0.01	
Aroclor 1221	ND	0.01	
Aroclor 1232	ND	0.01	
Aroclor 1242	ND	0.01	
Aroclor 1248	ND	0.01	
Aroclor 1254	ND	0.01	
Aroclor 1260	ND	0.01	

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	PBW0345
Date Prepared:	6/23/2005
Date Analyzed:	6/24/2005
QC Batch ID:	PBW0345

PCBs by EPA Method 8082

Compound Name	Blank Result (ug/L)	Spike Amount (ug/L)	BS Result (ug/L)	BS % Rec.	BSD Result (ug/L)	BSD % Rec.	RPD	Flag
Aroclor 1242	0	0.1	0.112	112	0.0982	98.2	-13	
Aroclor 1260	0	0.1	0.106	106	0.104	104	-1.9	

STL Seattle

Lab ID:	Method Blank - GB5195
Date Received:	-
Date Prepared:	6/24/2005
Date Analyzed:	6/24/2005
% Solids	-
Dilution Factor	1

Gasoline Range Organics by Method NWTPH-Gx

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Trifluorotoluene	206	N	50	150
1-Chloro-3-fluorobenzene	169	N	50	150
Bromofluorobenzene	188	N	50	150
Pentafluorobenzene	115		50	150

Analyte	**Result (mg/L)**	**RL**	**Flags**
Gasoline by NWTPH-G	ND	0.1	

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	GB5195
Date Prepared:	6/24/2005
Date Analyzed:	6/24/2005
QC Batch ID:	GB5195

Gasoline Range Organics by Method NWTPH-Gx

Compound Name	Blank Result (mg/L)	Spike Amount (mg/L)	BS Result (mg/L)	BS % Rec.	BSD Result (mg/L)	BSD % Rec.	RPD	Flag
Gasoline by NWTPH-G	0	1.25	1.19	95.1	1.16	92.4	-2.9	

STL Seattle

Lab ID:	Method Blank - DW0788
Date Received:	-
Date Prepared:	6/22/2005
Date Analyzed:	6/30/2005
% Solids	-
Dilution Factor	1

Diesel and Motor Oil by NWTPH-Dx Modified

Surrogate	% Recovery	Flags	Recovery Limits Low	High
o-terphenyl	54.1		50	150

Analyte	Result (mg/L)	RL	Flags
#2 Diesel	ND	0.25	
Motor Oil	ND	0.5	

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	DW0788
Date Prepared:	6/22/2005
Date Analyzed:	6/30/2005
QC Batch ID:	DW0788

Diesel and Motor Oil by NWTPH-Dx Modified

Compound Name	Blank Result (mg/L)	Spike Amount (mg/L)	BS Result (mg/L)	BS % Rec.	BSD Result (mg/L)	BSD % Rec.	RPD	Flag
#2 Diesel	0	5	5.49	110	5.18	103	-6.6	
Motor Oil	0	5	5.36	107	5.11	102	-4.8	

STL Seattle

Lab ID:	Method Blank - DS1512
Date Received:	-
Date Prepared:	6/23/2005
Date Analyzed:	6/23/2005
% Solids	
Dilution Factor	1

NWTPH-HCID - Hydrocarbon Identification Method for Soil Modified

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
1-bromo-4-fluorobenzene	94.1		50	150
o-terphenyl	95.2		50	150

Sample results are on an as received basis.

Analyte	**Result (mg/kg)**	**RL**	**Flags**
Gasoline (Toluene-nC12)	<20	20	
#2 Diesel (>nC12-nC24)	<50	50	
Motor Oil (>nC24-nC32)	<100	100	

STL Seattle

Duplicate Report

Client Sample ID:	GP4-S-1.5
Lab ID:	128457-01
Date Prepared:	6/23/2005
Date Analyzed:	6/29/2005
QC Batch ID:	DS1512

NWTPH-HCID - Hydrocarbon Identification Method for Soil Modified

Parameter Name	Sample Result (mg/kg)	Duplicate Result (mg/kg)	RPD %	Flag
Gasoline (Toluene-nC12)	<	<	NC	
#2 Diesel (>nC12-nC24)	<	<	NC	
Motor Oil (>nC24-nC32)	<	<	NC	

STL Seattle

Duplicate Report

Client Sample ID:	GP11-S-6.5
Lab ID:	128457-16
Date Prepared:	6/23/2005
Date Analyzed:	6/24/2005
QC Batch ID:	DS1512

NWTPH-HCID - Hydrocarbon Identification Method for Soil Modified

Parameter Name	Sample Result (mg/kg)	Duplicate Result (mg/kg)	RPD %	Flag
Gasoline (Toluene-nC12)	<	<	NC	
#2 Diesel (>nC12-nC24)	<	<	NC	
Motor Oil (>nC24-nC32)	<	<	NC	

STL Seattle

Lab ID:	Method Blank - DW0788
Date Received:	-
Date Prepared:	6/22/2005
Date Analyzed:	6/22/2005
% Solids	-
Dilution Factor	1

NWTPH-HCID - Hydrocarbon Identification Method for Water Modified

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
1-bromo-4-fluorobenzene	37	N	50	150
o-terphenyl	40.9	N	50	150

Analyte	**Result (mg/L)**	**RL**	**Flags**
Gasoline (Toluene-nC12)	<0.1	0.1	
#2 Diesel (>nC12-nC24)	<0.25	0.25	
Motor Oil (>nC24-nC32)	<0.5	0.5	

STL Seattle

Lab ID:	Method Blank - SP1347
Date Received:	-
Date Prepared:	6/22/05
Date Analyzed:	6/22/05
Dilution Factor	1

Metals by ICP - USEPA Method 6010

Sample results are on an as received basis.

Analyte	Result (mg/kg)	RL	Flags
Chromium	ND	2	

STL Seattle

Matrix Spike Report

Client Sample ID:	GP4-S-1.5
Lab ID:	128457-01
Date Prepared:	6/22/05
Date Analyzed:	6/22/05
QC Batch ID:	SP1347

Metals by ICP - USEPA Method 6010

Parameter Name	Sample Result (mg/kg)	Spike Amount (mg/kg)	MS Result (mg/kg)	MS % Rec.	Flag
Chromium	1230	45.3	949	-611	x7

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	SP1347
Date Prepared:	6/22/05
Date Analyzed:	6/22/05
QC Batch ID:	SP1347

Metals by ICP - USEPA Method 6010

Compound Name	Blank Result (mg/kg)	Spike Amount (mg/kg)	BS Result (mg/kg)	BS % Rec.	BSD Result (mg/kg)	BSD % Rec.	RPD	Flag
Chromium	0	40	38.6	96.5	36.9	92.4	-4.3	

STL Seattle

Duplicate Report

Client Sample ID:	GP4-S-1.5
Lab ID:	128457-01
Date Prepared:	6/22/05
Date Analyzed:	6/22/05
QC Batch ID:	SP1347

Metals by ICP - USEPA Method 6010

Parameter Name	Sample Result (mg/kg)	Duplicate Result (mg/kg)	RPD %	Flag
Chromium	1200	1400	-15.0	

STL Seattle

Lab ID:	Method Blank - DP1346
Date Received:	-
Date Prepared:	6/22/05
Date Analyzed:	6/22/05
Dilution Factor	1

Dissolved Metals by ICP - USEPA Method 6010

Analyte	Result (mg/L)	RL	Flags
Chromium	ND	0.02	

STL Seattle

Matrix Spike Report

Client Sample ID:	INFLUENT
Lab ID:	128480-01
Date Prepared:	6/22/05
Date Analyzed:	6/22/05
QC Batch ID:	DP1346

Dissolved Metals by ICP - USEPA Method 6010

Parameter Name	Sample Result (mg/L)	Spike Amount (mg/L)	MS Result (mg/L)	MS % Rec.	Flag
Chromium	0	0.4	0.404	101	

STL Seattle

Duplicate Report

Client Sample ID:	INFLUENT
Lab ID:	128480-01
Date Prepared:	6/22/05
Date Analyzed:	6/22/05
QC Batch ID:	DP1346

Dissolved Metals by ICP - USEPA Method 6010

Parameter Name	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD %	Flag
Chromium	0	0	NC	

STL Seattle

Lab ID:	Method Blank - CR224S
Date Received:	-
Date Prepared:	6/29/05
Date Analyzed:	6/29/05
Dilution Factor	1

Hexavalent Chromium by ICP - USEPA Method 7195/6010

Sample results are on an as received basis.

Analyte	Result (mg/kg)	RL	Flags
Hexavalent Chromium	ND	0.1	

STL Seattle

Matrix Spike Report

Client Sample ID:	GP4-S-1.5
Lab ID:	128457-01
Date Prepared:	6/29/05
Date Analyzed:	6/29/05
QC Batch ID:	CR224S

Hexavalent Chromium by ICP - USEPA Method 7195/6010

Parameter Name	Sample Result (mg/kg)	Spike Amount (mg/kg)	MS Result (mg/kg)	MS % Rec.	Flag
Chromium	53.4	12.4	56.5	25	x7

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	CR224S
Date Prepared:	6/29/05
Date Analyzed:	6/29/05
QC Batch ID:	CR224S

Hexavalent Chromium by ICP - USEPA Method 7195/6010

Compound Name	Blank Result (mg/kg)	Spike Amount (mg/kg)	BS Result (mg/kg)	BS % Rec.	BSD Result (mg/kg)	BSD % Rec.	RPD	Flag
Chromium	0	100	94.4	94.4	99.8	99.8	5.6	

STL Seattle

Duplicate Report

Client Sample ID:	GP4-S-1.5
Lab ID:	128457-01
Date Prepared:	6/29/05
Date Analyzed:	6/29/05
QC Batch ID:	CR224S

Hexavalent Chromium by ICP - USEPA Method 7195/6010

Parameter Name	Sample Result (mg/kg)	Duplicate Result (mg/kg)	RPD %	Flag
Chromium	53	52	1.9	

STL Seattle

Lab ID:	Method Blank - CR220W
Date Received:	-
Date Prepared:	6/17/05
Date Analyzed:	6/20/05
Dilution Factor	1

Hexavalent Chromium by ICP - USEPA Method 7195/6010

Analyte	Result (mg/L)	RL	Flags
Hexavalent Chromium	ND	0.01	

STL Seattle

Matrix Spike Report

Client Sample ID:	GP5-W-18.0
Lab ID:	128457-18
Date Prepared:	6/17/05
Date Analyzed:	6/20/05
QC Batch ID:	CR220W

Hexavalent Chromium by ICP - USEPA Method 7195/6010

Parameter Name	Sample Result (mg/L)	Spike Amount (mg/L)	MS Result (mg/L)	MS % Rec.	Flag
Chromium	0.0897	1	0.901	81	

STL Seattle

Duplicate Report

Client Sample ID:	GP5-W-18.0
Lab ID:	128457-18
Date Prepared:	6/17/05
Date Analyzed:	6/20/05
QC Batch ID:	CR220W

Hexavalent Chromium by ICP - USEPA Method 7195/6010

Parameter Name	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD %	Flag
Chromium	0.09	0.093	-3.3	

Chain of Custody Record

STL Seattle
5755 8th Street E.
Tacoma, WA 98424
Tel. 253-922-2310
Fax 253-922-5047
www.stl-inc.com

8.2°C
6/17 SD

per client via X 6/20/05

SEVERN TRENT STL

Client: MAUL FOSTER & ALONGI
Address: 7223 NE HAZEL DELL AVE. SUITE B
City: VANCOUVER | State: WA | Zip Code: 98665
Project Name and Location (State): PRECISION ENGINEERING
Contract/Purchase Order/Quote No.: 0053.01.03

Project Manager: ALAN HUGHES
Telephone Number (Area Code)/Fax Number: 360.694.2691 / 360.906.1958
Site Contact: GEORGE CARLILE
Lab Contact:
Carrier/Waybill Number:

Date: 6/17/05
Chain of Custody Number: 15558
Lab Number:
Page 2 of 2

Analysis (Attach list if more space is needed)

Special Instructions/ Conditions of Receipt

	Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Ascorbic Acid	TOTAL Cr	HEX Cr	VOCs	NWTPH-Dx / Lex	D/O. LEAD	D/O. Cr	PAHs	PCBs	NWTPH/Dx /Lex
3	GP10-S-7.0	6/17/05	840				X	X				X		X									
4	GP10-S-13.5		850				X	X				X		X	X	X	X	X					
5	GP11-S-2.0		925				X	X				X		X	X	X	X	X					
6	GP11-S-6.5		935				X	X				X		X	X	X	X	X					
7	GP4-W-8.0	6/16/05	1150		X											X	X	X		X			
8	GP5-W-18.0		1345		X											X	X	X		X			
9	GP6-W-18.0		1340		X											X	X	X		X			
10	GP7-W-14.0		1630		X											X	X	X		X			
11	GP8-W-10.0		1820		X											X	X	X		X			
12	MW1-W-35.0	6/16/05	915		X			X			X	X				X	X			X			
13	MW2-W-0605	6/17/05	1050		X			X			X	X				X	X	X		X			

Cooler: ☐ Yes ☐ No Cooler Temp:_____

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☒ Archive For ___ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required (business days): ☐ 24 Hours ☐ 48 Hours ☐ 5 Days ☐ 10 Days ☐ 15 Days ☐ Other _____

QC Requirements (Specify)

	Relinquished By	Date	Time	Received By	Date	Time
1		6/17/05	1230	STC	6/17/05	1230
2		6/17/05	1325		6/17/05	1325
3						

Comments:

DISTRIBUTION: WHITE - Stays with the Samples; CANARY – Returned to Client with Report; PINK – Field Copy

STL8274-580 (12/02)

Chain of Custody Record

STL Seattle
5755 8th Street E.
Tacoma, WA 98424
Tel. 253-922-2310
Fax 253-922-5047
www.stl-inc.com

5.2°C
GL. JD

128457

SEVERN TRENT STL

Client	Project Manager	Date	Chain of Custody Number
MAUL FOSTER & ALONGI	ALAN HUGHES	6/17/05	15557
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 2**
7223 NE HAZEL DELL AVE SUITE B	360. 694. 2691 / 360 906. 1958		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
VANCOUVER / WA / 98665	GEORGE CARDICE	TOM GLYNER	
Project Name and Location (State)	**Carrier/Waybill Number**		
PRECISION ENGINEERING WA			
Contract/Purchase Order/Quote No.			
0053.01.03			

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	NaHSO4	Analysis: Total Cr	Hex Cr	VOCs	HCID	NWTPH-Dx/Gx	Dis. LEAD	Dis. Cr	PAHs	PCBs	Special Instructions/ Conditions of Receipt
GP4-S-1.5	6/16/05	1125				X	X				X		X	X	X	X	X						* DISSOLVED METALS WERE FIELD FILTERED
GP5-S-1.5		10:00				X	X				X		X	X	X	X	X						Special Instructions/ Conditions of Receipt
GP5-S-8.0		10:15				X	X				X		X										IF GROs ARE DETECTED, ANALYZE FOR NWTPH-Dx AND DIS. LEAD
GP5-S-14.0		10:50				X	X				X		X	X	X	X	X						IF DROs OR RROs ARE DETECTED ANALYZE NWTPH-Dx AND PAHs.
GP6-S-1.0		1245				X	X				X		X	X	X	X	X						THE 1 SOIL AND 1 GROUNDWATER SAMPLES WITH THE
GP6-S-8.0		1305				X	X				X		X										HIGHEST PAH DETECTION WILL BE RAN FOR
GP6-S-14.5		1320				X	X				X		X	X	X	X	X						PCBs.
GP7-S-2.0		1600				X	X				X		X	X	X	X	X						PRIOR TO RUNNING ANY
GP7-S-8.0		1610				X	X				X		X	X	X	X	X						FOLLOW-UP ANALYSIS
GP8-S-1.5		1800				X	X				X		X	X	X	X	X						CHECK W/ ALAN
GP9-S-2.0	6/17/05	810				X	X				X		X	X	X	X	X						HUGHES W/ MFA
GP10-S-1.5		830				X	X				X		X	X	X	X	X						FIRST.

Cooler	Possible Hazard Identification	Sample Disposal	(A fee may be assessed if samples are retained longer than 1 month)
☐ Yes ☐ No Cooler Temp:_____	☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown	☐ Return To Client ☒ Disposal By Lab ☒ Archive For 1 Months	

Turn Around Time Required (business days)
☐ 24 Hours ☐ 48 Hours ☐ 5 Days ☐ 10 Days ☐ 15 Days ☐ Other _____

QC Requirements (Specify)

	Relinquished By	Date	Time	Received By	Date	Time
1.		6/17/05	1230	STL	6/17/05	12:30
2.		6/17/05	1325		6/17/05	1325
3.		Date	Time		Date	Time

Comments

DISTRIBUTION: WHITE – Stays with the Samples; CANARY – Returned to Client with Report; PINK – Field Copy

STL8274-580 (12/02)

Chain of Custody Record

STL Seattle
5755 8th Street E.
Tacoma, WA 98424
Tel. 253-922-2310
Fax 253-922-5047
www.stl-inc.com

8.2°C
6/17 JD

SEVERN TRENT STL

Client: MAUL FOSTER & ALONGI	Project Manager: ALAN HUGHES	Date: 6/17/05	Chain of Custody Number: 15557
Address: 7223 NE HALSEY ST SUITE B	Telephone Number (Area Code)/Fax Number: 360.694.2691 / 360.906.1958	Lab Number:	Page 1 of 2
City: VANCOUVER	State: WA	Zip Code: 98665	Site Contact: GEORGE CALDICE	Lab Contact: TOM COYNER
Project Name and Location (State): PRECISION ENGINEERING WA	Carrier/Waybill Number:	
Contract/Purchase Order/Quote No.: 0053-01-03		

Matrix: Air, Aqueous, Sed., Soil
Containers & Preservatives: Unpres., H2SO4, HNO3, HCl, NaOH, ZnAc/NaOH, MeOH

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	MeOH	Total Cr	Hex Cr	VOCs	HCID	NWTPH-Dx/Gx	Dis. Lead	Dis. Cr	PAHs	PCBs
GP4-S-1.5	6/16/05	1125				X	X				X		X	X	X	X	X					
GP5-S-1.5		10:00				X	X				X		X	X	X	X	X					
GP5-S-8.0		10:15				X	X				X		X								Hold	
GP5-S-14.0		10:50				X	X				X		X	X	X	X	X					
GP6-S-1.0		1245				X	X				X		X	X	X	X	X					
GP6-S-8.0		1305				X	X				X		X								Hold	
GP6-S-14.5		1320				X	X				X		X	X	X	X	X					
GP7-S-2.0		1600				X	X				X		X	X	X	X	X					
GP7-S-8.0		1610				X	X				X		X	X	X	X	X					
GP8-S-1.5		1800				X	X				X		X	X	X	X	X					
GP9-S-2.0	6/17/05	810				X	X				X		X	X	X	X	X					
GP10-S-1.5		830				X	X				X		X	X	X	X	X					

Analysis (Attach list if more space is needed)

* DISSOLVED METALS WERE FIELD FILTERED

Special Instructions/ Conditions of Receipt

PER SOIL AND GW SAMPLE EXCEPT MW1-W-35.0 :
IF GROs ARE DETECTED, ANALYZE FOR NWTPH-Gx AND DIS. LEAD
IF DROs OR RROs ARE DETECTED ANALYZE NWTPH-Dx AND PAHs.
THE 1 SOIL AND 1 GROUNDWATER SAMPLE WITH THE HIGHEST PAH DETECTION WILL BE RAN FOR PCBs.

PRIOR TO RUNNING ANY FOLLOW-UP ANALYSIS CHECK W/ ALAN HUGHES W/ MFA FIRST.

Cooler: ☐ Yes ☐ No Cooler Temp:_____

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☒ Archive For 1 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required (business days): ☐ 24 Hours ☐ 48 Hours ☐ 5 Days ☐ 10 Days ☐ 15 Days ☐ Other _____

QC Requirements (Specify)

	Relinquished By	Date	Time	Received By	Date	Time
1.		6/17/05	1230	STL	6/17/05	12:30
2.		6/17/05	1325		6/17/05	1325
3.						

Comments

DISTRIBUTION: WHITE – Stays with the Samples; CANARY – Returned to Client with Report; PINK – Field Copy

Chain of Custody Record

STL Seattle
5755 8th Street E.
Tacoma, WA 98424
Tel. 253-922-2310
Fax 253-922-5047
www.stl-inc.com

SEVERN TRENT STL

8 °C
6/17 DD

Maul Foster & Alongi

Client	Project Manager	Date	Chain of Custody Number
7223 NE Hazel Dell Ave. Suite B	Alan Hughes	6/17/05	15558
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 2 of 2**
Vancouver	360. 694. 2691 / 360. 906 1958		
City / **State** / **Zip Code**	**Site Contact** / **Lab Contact**		
WA 98665	George Carlile		
Project Name and Location (State)	**Carrier/Waybill Number**		
Precision Engineering			
Contract/Purchase Order/Quote No.			
0053.01.03			

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H_2SO_4	HNO_3	HCl	NaOH	ZnAc/NaOH	Ascorbic Acid	Total Cr	Hex Cr	VOCs	NWTPH-Dx/-Gx	Dis. Lead	Dis. Cr	PAHs	PCBs	Special Instructions/ Conditions of Receipt
GP10-S-7.0	6/17/05	840				X	X				X											Hold
GP10-S-13.5		850				X	X				X			X	X	X	X					
GP11-S-2.0		925				X	X				X			X	X	X	X					
GP11-S-6.5		935				X	X				X			X	X	X	X					
GP4-W-8.0	6/16/05	11:50		X											X	X	X		X			
GP5-W-18.0		1345		X											X	X	X		X			
GP6-W-18.0		1340		X											X	X	X		X			
GP7-W-14.0		1630		X											X	X	X		X			
GP8-W-10.0		1820		X											X	X	X		X			
MW1-W-35.0	6/16/05	915		X			X			X	X				X	X			X			
MW2-W-0605	6/17/05	1050		X			X			X	X				X	X	X		X			

Cooler: ☐ Yes ☐ No Cooler Temp:_____

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☒ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required (business days): ☐ 24 Hours ☐ 48 Hours ☐ 5 Days ☐ 10 Days ☐ 15 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	6/17/05	1230	1. Received By STC	6/17/05	1230
2. Relinquished By	6/17/05	13:25	2. Received By	6/17/05	1325
3. Relinquished By			3. Received By		

Comments

CC100

DISTRIBUTION: WHITE – Stays with the Samples; CANARY – Returned to Client with Report; PINK – Field Copy

STL8274-580 (12/02)

APPENDIX D

DATA QA/QC MEMORANDUM

DATA QUALITY ASSURANCE/QUALITY CONTROL REVIEW

PRECISION ENGINEERING
Groundwater Monitoring, June 2005
8128.01.03

This report reviews the analytical results for groundwater samples collected by the Maul Foster & Alongi, Inc. (MFA) project team on the Precision Engineering, Inc. site at 1231 S. Director Street in Seattle, Washington. The samples were collected in June 2005.

Severn Trent Laboratories (STL) in Tacoma, Washington, performed the analyses. STL report numbers 128318, 128268, and 128457 were reviewed. The analyses performed are listed below.

Analysis	Reference
Semivolatile Organic Compounds	USEPA 8270
Volatile Organic Compounds (VOCs)	USEPA 5030/8260B
Polychlorinated Biphenyls	USEPA 8082
Total and Dissolved Metals	USEPA 6000/7000 Series
Hydrocarbon Identification	NWTPH-HCID
Gasoline Range Organics	NWTPH-Gx
Diesel and Motor Oil	NWTPH-Dx

USEPA = U.S. Environmental Protection Agency
NWTPH = Northwest Total Petroleum Hydrocarbons

DATA QUALIFICATIONS

Analytical results were evaluated according to applicable parts of USEPA procedures (USEPA, 1994, 1999), and appropriate laboratory and method-specific guidelines (STL, 2004; USEPA, 1986). Data validation procedures were modified, as appropriate, to accommodate quality control requirements for methods not specifically addressed by the functional guidelines (i.e. NWTPH).

The data are considered acceptable for their intended use, with the appropriate data qualifiers assigned.

Holding Times, Preservation, and Sample Storage

Holding Times

Extractions and analyses were performed within the recommended holding time criteria with the following exception. For the analyses of VOCs, sample GP1-S-6.0 was analyzed one day past the recommended 14-day holding time constraint. The reviewer took no action based on this exceedance. All other holding times were met.

Preservation and Sample Storage

The samples were preserved and stored appropriately.

Blanks

Method Blanks

Laboratory method blank analyses were performed at the required frequencies. No target analytes were detected above the STL method reporting limits (MRLs) with the following exception. Methlyene Chloride was detected in a method blank associated with data package 128628. However, since methylene chloride was not detected in any associated samples, the reviewer took no action. No other target analytes were detected above MRLs in the method blanks.

Surrogate Recovery Results

The samples were spiked with surrogate compounds to evaluate laboratory performance on individual samples. The reviewer took no action based on minor surrogate outliers or surrogate percent recoveries that were outside of acceptance limits due to dilutions necessary to quantify high concentrations of target analytes present in the samples.

Matrix Spike/Matrix Spike Duplicate Results

Matrix spike/matrix spike duplicate (MS/MSD) results are used to evaluate laboratory precision and accuracy. All MS/MSD samples were extracted and analyzed at the required frequency. Except for minor outliers, all percent recoveries and relative percent differences were acceptable. The reviewer took no action based on the outliers being minor.

Blank Spike/Blank Spike Duplicate Results

A blank spike/blank spike duplicate (BS/BSD) is spiked with target analytes to provide information on laboratory accuracy. The BS/BSD samples were extracted and analyzed at the required frequency. Except for minor outliers, all percent recoveries and relative percent differences were acceptable. The reviewer took no action based on the outliers being minor.

Laboratory Duplicate Results

Duplicate results are used to evaluate laboratory precision. All duplicate samples were extracted and analyzed at the required frequency. All RPDs were within acceptance limits.

Field Duplicate Results

Field duplicate samples measure both field and laboratory precision. One field duplicate was submitted for analysis (MW4-0605/MW4-0605-Dup). MFA uses acceptance criteria of 100 percent RPD for results that are less than five times the reporting limit (RL), or 50 percent RPD for results that are greater than five times the RL. Non-detect data are not used in the evaluation of field duplicate results. All analytes were within the acceptance criteria.

Reporting Limits

STL used routine MRLs to quantify results, except where necessary due to dilution.

Data Package

The data packages were reviewed for transcription errors, omissions, or anomalies. None was found.

REFERENCES

STL. 2004. Quality assurance manual. Severn Trent Laboratories, Tacoma Washington. March.

USEPA. 1986. Test methods for evaluating solid waste: physical/chemical methods. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response. EPA-530/SW-846. September (update 1, July 1992; update 2a, August 1993; update 2, September 1994; update 2b, January 1995).

USEPA. 1994. USEPA contract laboratory program, national functional guidelines for inorganics data review. U.S. Environmental Protection Agency, Office of Emergency and Remedial Response. EPA 540/R-94/013. February.

USEPA. 1999. USEPA contract laboratory program, national functional guidelines for organics data review. U.S. Environmental Protection Agency, Office of Emergency and Remedial Response. EPA 540/R-99/008. October.

APPENDIX E

FIELD SAMPLING DATA SHEETS

SOIL

Maul Foster & Alongi, Inc.

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Soil Field Sampling Data Sheet

Client Name	Precision Engineering	**Sample Location**	GP-1
Project Number	0053.01.03	**Sampler**	SLM
Project Name	Remedial Investigation	**Sampling Date**	06/07/2005
Sampling Event	June 2005	**Sample Name**	GP1-S-1.5
Sub Area		**Sample Depth**	1.5
FSDS QA:	ARH July 22, 2005	**Easting**	**Northing**	**TOC**

Sample Information

Sampling Method	Sample Type	Sample Category	PID/FID	Sampling Time	Container Code	#
(4) GeoProbe	Soil	Discrete	0.3 ppm	9:30:00 AM	2 oz. soil	0
					4 oz. soil	0
					8 oz. soil	1
					Other	3
					Total Containers	4

Sample Description:

General Sampling Comments

"Other" sample containers were preserved VOA vials for VOC analysis using extraction method 5035A.

Sampling Method Code:

(1) Backhoe, (2) Hand Auger, (3) Drill Bit Cutting Head, (4) Geoprobe, (5) Split Spoon, (6) Shelbey Tube, (7) Grab, (8) Other (Specify)

Signature _____

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Soil Field Sampling Data Sheet

Client Name	Precision Engineering	**Sample Location**	GP-1				
Project Number	0053.01.03	**Sampler**	SLM				
Project Name	Remedial Investigation	**Sampling Date**	06/07/2005				
Sampling Event	June 2005	**Sample Name**	GP1-S-6.0				
Sub Area		**Sample Depth**	6				
FSDS QA:	ARH July 22, 2005	**Easting**		**Northing**		**TOC**	

Sample Information

Sampling Method	Sample Type	Sample Category	PID/FID	Sampling Time	Container Code	#
(4) GeoProbe	Soil	Discrete	0.3 ppm	10:15:00 AM	2 oz. soil	0
					4 oz. soil	0
					8 oz. soil	1
					Other	3
					Total Containers	4

Sample Description:

General Sampling Comments "Other" sample containers were preserved VOA vials for VOC analysis using extraction method 5035A.

Sampling Method Code:

(1) Backhoe, (2) Hand Auger, (3) Drill Bit Cutting Head, (4) Geoprobe, (5) Split Spoon, (6) Shelbey Tube, (7) Grab, (8) Other (Specify)

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Soil Field Sampling Data Sheet

Client Name	Precision Engineering	**Sample Location**	GP-1				
Project Number	0053.01.03	**Sampler**	SLM				
Project Name	Remedial Investigation	**Sampling Date**	06/09/2005				
Sampling Event	June 2005	**Sample Name**	GP1-S-10.0				
Sub Area		**Sample Depth**	10				
FSDS QA:	ARH July 22, 2005	**Easting**		**Northing**		**TOC**	

Sample Information

Sampling Method	Sample Type	Sample Category	PID/FID	Sampling Time	Container Code	#
(4) GeoProbe	Soil	Discrete	0.0 ppm	3:00:00 PM	2 oz. soil	0
					4 oz. soil	0
					8 oz. soil	1
					Other	3
					Total Containers	4

Sample Description:

General Sampling Comments

"Other" sample containers were preserved VOA vials for VOC analysis using extraction method 5035A.

Sampling Method Code:

(1) Backhoe, (2) Hand Auger, (3) Drill Bit Cutting Head, (4) Geoprobe, (5) Split Spoon, (6) Shelbey Tube, (7) Grab, (8) Other (Specify)

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Soil Field Sampling Data Sheet

Client Name	Precision Engineering	**Sample Location**	GP-2				
Project Number	0053.01.03	**Sampler**	SLM				
Project Name	Remedial Investigation	**Sampling Date**	06/06/2005				
Sampling Event	June 2005	**Sample Name**	GP2-S-1.0				
Sub Area		**Sample Depth**	1				
FSDS QA:	ARH July 22, 2005	**Easting**		**Northing**		**TOC**	

Sample Information

Sampling Method	Sample Type	Sample Category	PID/FID	Sampling Time	Container Code	#
(4) GeoProbe	Soil	Discrete	0.3 ppm	11:00:00 AM	2 oz. soil	0
					4 oz. soil	0
					8 oz. soil	1
					Other	3
					Total Containers	4

Sample Description:

General Sampling Comments

"Other" sample containers were preserved VOA vials for VOC analysis using extraction method 5035A.

Sampling Method Code:

(1) Backhoe, (2) Hand Auger, (3) Drill Bit Cutting Head, (4) Geoprobe, (5) Split Spoon, (6) Shelbey Tube, (7) Grab, (8) Other (Specify)

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Soil Field Sampling Data Sheet

Client Name	Precision Engineering	**Sample Location**	GP-2				
Project Number	0053.01.03	**Sampler**	SLM				
Project Name	Remedial Investigation	**Sampling Date**	06/09/2005				
Sampling Event	June 2005	**Sample Name**	GP2-S-10.0				
Sub Area		**Sample Depth**	10				
FSDS QA:	ARH July 22, 2005	**Easting**		**Northing**		**TOC**	

Sample Information

Sampling Method	Sample Type	Sample Category	PID/FID	Sampling Time	Container Code	#
(4) GeoProbe	Soil	Discrete	0.0 ppm	8:30:00 AM	2 oz. soil	0
					4 oz. soil	0
					8 oz. soil	1
					Other	3
					Total Containers	4

Sample Description:

General Sampling Comments

"Other" sample containers were preserved VOA vials for VOC analysis using extraction method 5035A.

Sampling Method Code:

(1) Backhoe, (2) Hand Auger, (3) Drill Bit Cutting Head, (4) Geoprobe, (5) Split Spoon, (6) Shelbey Tube, (7) Grab, (8) Other (Specify)

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Soil Field Sampling Data Sheet

Client Name	Precision Engineering	**Sample Location**	GP-3
Project Number	0053.01.03	**Sampler**	SLM
Project Name	Remedial Investigation	**Sampling Date**	06/09/2005
Sampling Event	June 2005	**Sample Name**	GP3-S-2.0
Sub Area		**Sample Depth**	2
FSDS QA:	ARH July 22, 2005	**Easting**	**Northing**	**TOC**

Sample Information

Sampling Method	Sample Type	Sample Category	PID/FID	Sampling Time	Container Code	#
(4) GeoProbe	Soil	Discrete	0.0 ppm	3:30:00 PM	2 oz. soil	0
					4 oz. soil	0
					8 oz. soil	1
					Other	3
					Total Containers	4

Sample Description:

General Sampling Comments

"Other" sample containers were preserved VOA vials for VOC analysis using extraction method 5035A.

Sampling Method Code:

(1) Backhoe, (2) Hand Auger, (3) Drill Bit Cutting Head, (4) Geoprobe, (5) Split Spoon, (6) Shelbey Tube, (7) Grab, (8) Other (Specify)

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Soil Field Sampling Data Sheet

Client Name	Precision Engineering	**Sample Location**	GP-3				
Project Number	0053.01.03	**Sampler**	SLM				
Project Name	Remedial Investigation	**Sampling Date**	06/09/2005				
Sampling Event	June 2005	**Sample Name**	GP3-S-6.0				
Sub Area		**Sample Depth**	6				
FSDS QA:	ARH July 22, 2005	**Easting**		**Northing**		**TOC**	

Sample Information

Sampling Method	Sample Type	Sample Category	PID/FID	Sampling Time	Container Code	#
(4) GeoProbe	Soil	Discrete	0.0 ppm	3:45:00 PM	2 oz. soil	0
					4 oz. soil	0
					8 oz. soil	1
					Other	3
					Total Containers	4

Sample Description:

General Sampling Comments

"Other" sample containers were preserved VOA vials for VOC analysis using extraction method 5035A.

Sampling Method Code:

(1) Backhoe, (2) Hand Auger, (3) Drill Bit Cutting Head, (4) Geoprobe, (5) Split Spoon, (6) Shelbey Tube, (7) Grab, (8) Other (Specify)

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Soil Field Sampling Data Sheet

Client Name	Precision Engineering	**Sample Location**	GP-3				
Project Number	0053.01.03	**Sampler**	SLM				
Project Name	Remedial Investigation	**Sampling Date**	06/09/2005				
Sampling Event	June 2005	**Sample Name**	GP3-S-14				
Sub Area		**Sample Depth**	14				
FSDS QA:	ARH July 22, 2005	**Easting**		**Northing**		**TOC**	

Sample Information

Sampling Method	Sample Type	Sample Category	PID/FID	Sampling Time	Container Code	#
(4) GeoProbe	Soil	Discrete	0.0 ppm	4:15:00 PM	2 oz. soil	0
					4 oz. soil	0
					8 oz. soil	1
					Other	3
					Total Containers	4

Sample Description:

General Sampling Comments

"Other" sample containers were preserved VOA vials for VOC analysis using extraction method 5035A.

Sampling Method Code:

(1) Backhoe, (2) Hand Auger, (3) Drill Bit Cutting Head, (4) Geoprobe, (5) Split Spoon, (6) Shelbey Tube, (7) Grab, (8) Other (Specify)

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Soil Field Sampling Data Sheet

Client Name	Precision Engineering	**Sample Location**	GP-4				
Project Number	0053.01.03	**Sampler**	ARH				
Project Name	Remedial Investigation	**Sampling Date**	06/16/2005				
Sampling Event	June 2005	**Sample Name**	GP4-S-1.5				
Sub Area		**Sample Depth**	1.5				
FSDS QA:	ARH July 22, 2005	**Easting**		**Northing**		**TOC**	

Sample Information

Sampling Method	Sample Type	Sample Category	PID/FID	Sampling Time	Container Code	#
(4) GeoProbe	Soil	Discrete	0.0 ppm	11:25:00 AM	2 oz. soil	0
					4 oz. soil	0
					8 oz. soil	1
					Other	3
					Total Containers	4

Sample Description:

General Sampling Comments

"Other" sample containers were preserved VOA vials for VOC analysis using extraction method 5035A.

Sampling Method Code:

(1) Backhoe, (2) Hand Auger, (3) Drill Bit Cutting Head, (4) Geoprobe, (5) Split Spoon, (6) Shelbey Tube, (7) Grab, (8) Other (Specify)

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Soil Field Sampling Data Sheet

Client Name	Precision Engineering	**Sample Location**	GP-5				
Project Number	0053.01.03	**Sampler**	ARH				
Project Name	Remedial Investigation	**Sampling Date**	06/16/2005				
Sampling Event	June 2005	**Sample Name**	GP5-S-1.5				
Sub Area		**Sample Depth**	1.5				
FSDS QA:	ARH July 22, 2005	**Easting**		**Northing**		**TOC**	

Sample Information

Sampling Method	Sample Type	Sample Category	PID/FID	Sampling Time	Container Code	#
(4) GeoProbe	Soil	Discrete	0.0 ppm	10:00:00 AM	2 oz. soil	0
					4 oz. soil	0
					8 oz. soil	1
					Other	3
					Total Containers	4

Sample Description:

General Sampling Comments

"Other" sample containers were preserved VOA vials for VOC analysis using extraction method 5035A.

Sampling Method Code:

(1) Backhoe, (2) Hand Auger, (3) Drill Bit Cutting Head, (4) Geoprobe, (5) Split Spoon, (6) Shelbey Tube, (7) Grab, (8) Other (Specify)

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Soil Field Sampling Data Sheet

Client Name	Precision Engineering	**Sample Location**	GP-5				
Project Number	0053.01.03	**Sampler**	ARH				
Project Name	Remedial Investigation	**Sampling Date**	06/16/2005				
Sampling Event	June 2005	**Sample Name**	GP5-S-8.0				
Sub Area		**Sample Depth**	8				
FSDS QA:	ARH July 22, 2005	**Easting**		**Northing**		**TOC**	

Sample Information

Sampling Method	Sample Type	Sample Category	PID/FID	Sampling Time	Container Code	#
(4) GeoProbe	Soil	Discrete	--	10:15:00 AM	2 oz. soil	0
					4 oz. soil	0
					8 oz. soil	1
					Other	3
					Total Containers	4

Sample Description:

General Sampling Comments

"Other" sample containers were preserved VOA vials for VOC analysis using extraction method 5035A.

Sampling Method Code:

(1) Backhoe, (2) Hand Auger, (3) Drill Bit Cutting Head, (4) Geoprobe, (5) Split Spoon, (6) Shelbey Tube, (7) Grab, (8) Other (Specify)

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Soil Field Sampling Data Sheet

Client Name	Precision Engineering	**Sample Location**	GP-5
Project Number	0053.01.03	**Sampler**	ARH
Project Name	Remedial Investigation	**Sampling Date**	06/16/2005
Sampling Event	June 2005	**Sample Name**	GP5-S-14.0
Sub Area		**Sample Depth**	14
FSDS QA:	ARH July 22, 2005	**Easting**	**Northing**	**TOC**

Sample Information

Sampling Method	Sample Type	Sample Category	PID/FID	Sampling Time	Container Code	#
(4) GeoProbe	Soil	Discrete	--	10:50:00 AM	2 oz. soil	0
					4 oz. soil	0
					8 oz. soil	1
					Other	3
					Total Containers	4

Sample Description:

General Sampling Comments

"Other" sample containers were preserved VOA vials for VOC analysis using extraction method 5035A.

Sampling Method Code:

(1) Backhoe, (2) Hand Auger, (3) Drill Bit Cutting Head, (4) Geoprobe, (5) Split Spoon, (6) Shelbey Tube, (7) Grab, (8) Other (Specify)

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Soil Field Sampling Data Sheet

Client Name	Precision Engineering	**Sample Location**	GP-6
Project Number	0053.01.03	**Sampler**	ARH
Project Name	Remedial Investigation	**Sampling Date**	06/16/2005
Sampling Event	June 2005	**Sample Name**	GP6-S-1.0
Sub Area		**Sample Depth**	1
FSDS QA:	ARH July 22, 2005	**Easting**	**Northing**	**TOC**

Sample Information

Sampling Method	Sample Type	Sample Category	PID/FID	Sampling Time	Container Code	#
(4) GeoProbe	Soil	Discrete	0.0 ppm	12:45:00 PM	2 oz. soil	0
					4 oz. soil	0
					8 oz. soil	1
					Other	3
					Total Containers	4

Sample Description:

General Sampling Comments

"Other" sample containers were preserved VOA vials for VOC analysis using extraction method 5035A.

Sampling Method Code:

(1) Backhoe, (2) Hand Auger, (3) Drill Bit Cutting Head, (4) Geoprobe, (5) Split Spoon, (6) Shelbey Tube, (7) Grab, (8) Other (Specify)

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Soil Field Sampling Data Sheet

Client Name	Precision Engineering	**Sample Location**	GP-6				
Project Number	0053.01.03	**Sampler**	ARH				
Project Name	Remedial Investigation	**Sampling Date**	06/16/2005				
Sampling Event	June 2005	**Sample Name**	GP6-S-8.0				
Sub Area		**Sample Depth**	8				
FSDS QA:	ARH July 22, 2005	**Easting**		**Northing**		**TOC**	

Sample Information

Sampling Method	Sample Type	Sample Category	PID/FID	Sampling Time	Container Code	#
(4) GeoProbe	Soil	Discrete	--	1:05:00 PM	2 oz. soil	0
					4 oz. soil	0
					8 oz. soil	1
					Other	3
					Total Containers	4

Sample Description:

General Sampling Comments

"Other" sample containers were preserved VOA vials for VOC analysis using extraction method 5035A.

Sampling Method Code:

(1) Backhoe, (2) Hand Auger, (3) Drill Bit Cutting Head, (4) Geoprobe, (5) Split Spoon, (6) Shelbey Tube, (7) Grab, (8) Other (Specify)

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Soil Field Sampling Data Sheet

Client Name	Precision Engineering	**Sample Location**	G-P6
Project Number	0053.01.03	**Sampler**	ARH
Project Name	Remedial Investigation	**Sampling Date**	06/16/2005
Sampling Event	June 2005	**Sample Name**	GP6-S-14.5
Sub Area		**Sample Depth**	14.5
FSDS QA:	ARH July 22, 2005	**Easting**	**Northing**	**TOC**

Sample Information

Sampling Method	Sample Type	Sample Category	PID/FID	Sampling Time	Container Code	#
(4) GeoProbe	Soil	Discrete	--	1:20:00 PM	2 oz. soil	0
					4 oz. soil	0
					8 oz. soil	1
					Other	3
					Total Containers	4

Sample Description:

General Sampling Comments

"Other" sample containers were preserved VOA vials for VOC analysis using extraction method 5035A.

Sampling Method Code:

(1) Backhoe, (2) Hand Auger, (3) Drill Bit Cutting Head, (4) Geoprobe, (5) Split Spoon, (6) Shelbey Tube, (7) Grab, (8) Other (Specify)

Signature _____

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Soil Field Sampling Data Sheet

Client Name	Precision Engineering	**Sample Location**	GP-7
Project Number	0053.01.03	**Sampler**	ARH
Project Name	Remedial Investigation	**Sampling Date**	06/16/2005
Sampling Event	June 2005	**Sample Name**	GP7-S-2.0
Sub Area		**Sample Depth**	2
FSDS QA:	ARH July 22, 2005	**Easting**	**Northing**	**TOC**

Sample Information

Sampling Method	Sample Type	Sample Category	PID/FID	Sampling Time	Container Code	#
(4) GeoProbe	Soil	Discrete	--	4:00:00 PM	2 oz. soil	0
					4 oz. soil	0
					8 oz. soil	1
					Other	3
					Total Containers	4

Sample Description:

General Sampling Comments

"Other" sample containers were preserved VOA vials for VOC analysis using extraction method 5035A.

Sampling Method Code:

(1) Backhoe, (2) Hand Auger, (3) Drill Bit Cutting Head, (4) Geoprobe, (5) Split Spoon, (6) Shelbey Tube, (7) Grab, (8) Other (Specify)

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Soil Field Sampling Data Sheet

Client Name	Precision Engineering	**Sample Location**	GP-7				
Project Number	0053.01.03	**Sampler**	ARH				
Project Name	Remedial Investigation	**Sampling Date**	06/16/2005				
Sampling Event	June 2005	**Sample Name**	GP7-S-8.0				
Sub Area		**Sample Depth**	8				
FSDS QA:	ARH July 22, 2005	**Easting**		**Northing**		**TOC**	

Sample Information

Sampling Method	Sample Type	Sample Category	PID/FID	Sampling Time	Container Code	#
(4) GeoProbe	Soil	Discrete	--	4:10:00 PM	2 oz. soil	0
					4 oz. soil	0
					8 oz. soil	1
					Other	3
					Total Containers	4

Sample Description:

General Sampling Comments

"Other" sample containers were preserved VOA vials for VOC analysis using extraction method 5035A.

Sampling Method Code:

(1) Backhoe, (2) Hand Auger, (3) Drill Bit Cutting Head, (4) Geoprobe, (5) Split Spoon, (6) Shelbey Tube, (7) Grab, (8) Other (Specify)

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Soil Field Sampling Data Sheet

Client Name	Precision Engineering	**Sample Location**	GP-8				
Project Number	0053.01.03	**Sampler**	ARH				
Project Name	Remedial Investigation	**Sampling Date**	06/16/2005				
Sampling Event	June 2005	**Sample Name**	GP8-S-1.5				
Sub Area		**Sample Depth**	1.5				
FSDS QA:	ARH July 22, 2005	**Easting**		**Northing**		**TOC**	

Sample Information

Sampling Method	Sample Type	Sample Category	PID/FID	Sampling Time	Container Code	#
(4) GeoProbe	Soil	Discrete	--	6:00:00 PM	2 oz. soil	0
					4 oz. soil	0
					8 oz. soil	1
					Other	3
					Total Containers	4

Sample Description:

General Sampling Comments

"Other" sample containers were preserved VOA vials for VOC analysis using extraction method 5035A.

Sampling Method Code:

(1) Backhoe, (2) Hand Auger, (3) Drill Bit Cutting Head, (4) Geoprobe, (5) Split Spoon, (6) Shelbey Tube, (7) Grab, (8) Other (Specify)

Signature _____

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Soil Field Sampling Data Sheet

Client Name	Precision Engineering	**Sample Location**	GP-9
Project Number	0053.01.03	**Sampler**	ARH
Project Name	Remedial Investigation	**Sampling Date**	06/17/2005
Sampling Event	June 2005	**Sample Name**	GP9-S-2.0
Sub Area		**Sample Depth**	2
FSDS QA:	ARH July 22, 2005	**Easting**	**Northing**	**TOC**

Sample Information

Sampling Method	Sample Type	Sample Category	PID/FID	Sampling Time	Container Code	#
(4) GeoProbe	Soil	Discrete	--	8:10:00 AM	2 oz. soil	0
					4 oz. soil	0
					8 oz. soil	1
					Other	3
					Total Containers	4

Sample Description:

General Sampling Comments

"Other" sample containers were preserved VOA vials for VOC analysis using extraction method 5035A.

Sampling Method Code:

(1) Backhoe, (2) Hand Auger, (3) Drill Bit Cutting Head, (4) Geoprobe, (5) Split Spoon, (6) Shelbey Tube, (7) Grab, (8) Other (Specify)

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Soil Field Sampling Data Sheet

Client Name	Precision Engineering	**Sample Location**	GP-10				
Project Number	0053.01.03	**Sampler**	ARH				
Project Name	Remedial Investigation	**Sampling Date**	06/17/2005				
Sampling Event	June 2005	**Sample Name**	GP10-S-1.5				
Sub Area		**Sample Depth**	1.5				
FSDS QA:	ARH July 22, 2005	**Easting**		**Northing**		**TOC**	

Sample Information

Sampling Method	Sample Type	Sample Category	PID/FID	Sampling Time	Container Code	#
(4) GeoProbe	Soil	Discrete	--	8:30:00 AM	2 oz. soil	0
					4 oz. soil	0
					8 oz. soil	1
					Other	3
					Total Containers	4

Sample Description:

General Sampling Comments

"Other" sample containers were preserved VOA vials for VOC analysis using extraction method 5035A.

Sampling Method Code:

(1) Backhoe, (2) Hand Auger, (3) Drill Bit Cutting Head, (4) Geoprobe, (5) Split Spoon, (6) Shelbey Tube, (7) Grab, (8) Other (Specify)

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Soil Field Sampling Data Sheet

Client Name	Precision Engineering	**Sample Location**	GP-10
Project Number	0053.01.03	**Sampler**	ARH
Project Name	Remedial Investigation	**Sampling Date**	06/17/2005
Sampling Event	June 2005	**Sample Name**	GP10-S-7.0
Sub Area		**Sample Depth**	7
FSDS QA:	ARH July 22, 2005	**Easting**	**Northing**	**TOC**

Sample Information

Sampling Method	Sample Type	Sample Category	PID/FID	Sampling Time	Container Code	#
(4) GeoProbe	Soil	Discrete	--	8:40:00 AM	2 oz. soil	0
					4 oz. soil	0
					8 oz. soil	1
					Other	3
					Total Containers	4

Sample Description:

General Sampling Comments

"Other" sample containers were preserved VOA vials for VOC analysis using extraction method 5035A.

Sampling Method Code:

(1) Backhoe, (2) Hand Auger, (3) Drill Bit Cutting Head, (4) Geoprobe, (5) Split Spoon, (6) Shelbey Tube, (7) Grab, (8) Other (Specify)

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Soil Field Sampling Data Sheet

Client Name	Precision Engineering	**Sample Location**	GP-10
Project Number	0053.01.03	**Sampler**	ARH
Project Name	Remedial Investigation	**Sampling Date**	06/17/2005
Sampling Event	June 2005	**Sample Name**	GP10-S-13.5
Sub Area		**Sample Depth**	13.5
FSDS QA:	ARH July 22, 2005	**Easting**	**Northing**	**TOC**

Sample Information

Sampling Method	Sample Type	Sample Category	PID/FID	Sampling Time	Container Code	#
(4) GeoProbe	Soil	Discrete	--	8:50:00 AM	2 oz. soil	0
					4 oz. soil	0
					8 oz. soil	1
					Other	3
					Total Containers	4

Sample Description:

General Sampling Comments

"Other" sample containers were preserved VOA vials for VOC analysis using extraction method 5035A.

Sampling Method Code:

(1) Backhoe, (2) Hand Auger, (3) Drill Bit Cutting Head, (4) Geoprobe, (5) Split Spoon, (6) Shelbey Tube, (7) Grab, (8) Other (Specify)

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Soil Field Sampling Data Sheet

Client Name	Precision Engineering	**Sample Location**	GP-11				
Project Number	0053.01.03	**Sampler**	ARH				
Project Name	Remedial Investigation	**Sampling Date**	06/17/2005				
Sampling Event	June 2005	**Sample Name**	GP11-S-2.0				
Sub Area		**Sample Depth**	2				
FSDS QA:	ARH July 22, 2005	**Easting**		**Northing**		**TOC**	

Sample Information

Sampling Method	Sample Type	Sample Category	PID/FID	Sampling Time	Container Code	#
(4) GeoProbe	Soil	Discrete	--	9:25:00 AM	2 oz. soil	0
					4 oz. soil	0
					8 oz. soil	1
					Other	3
					Total Containers	4

Sample Description:

General Sampling Comments

"Other" sample containers were preserved VOA vials for VOC analysis using extraction method 5035A.

Sampling Method Code:

(1) Backhoe, (2) Hand Auger, (3) Drill Bit Cutting Head, (4) Geoprobe, (5) Split Spoon, (6) Shelbey Tube, (7) Grab, (8) Other (Specify)

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Soil Field Sampling Data Sheet

Client Name	Precision Engineering	**Sample Location**	GP-11				
Project Number	0053.01.03	**Sampler**	ARH				
Project Name	Remedial Investigation	**Sampling Date**	06/17/2005				
Sampling Event	June 2005	**Sample Name**	GP11-S-6.5				
Sub Area		**Sample Depth**	6.5				
FSDS QA:	ARH July 22, 2005	**Easting**		**Northing**		**TOC**	

Sample Information

Sampling Method	Sample Type	Sample Category	PID/FID	Sampling Time	Container Code	#
(4) GeoProbe	Soil	Discrete	--	9:35:00 AM	2 oz. soil	0
					4 oz. soil	0
					8 oz. soil	1
					Other	3
					Total Containers	4

Sample Description:

General Sampling Comments

"Other" sample containers were preserved VOA vials for VOC analysis using extraction method 5035A.

Sampling Method Code:

(1) Backhoe, (2) Hand Auger, (3) Drill Bit Cutting Head, (4) Geoprobe, (5) Split Spoon, (6) Shelbey Tube, (7) Grab, (8) Other (Specify)

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GROUNDWATER

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Water Field Sampling Data Sheet

Client Name	Precision Engineering	**Sample Location**	GP-2		
Project #	0053.01.03	**Sampler**	SLM		
Project Name	Remedial Investigation	**Sampling Date**	6/9/2005		
Sampling Event	June 2005	**Sample Name**	GP2-W-17-RECON		
Sub Area		**Sample Depth**	17		
FSDS QA:	ARH July 22, 2005	**Easting**		**Northing**	**TOC**

Hydrology/Level Measurements

					(Product Thickness)	(Water Column)	(Gallons/ft x Water Column)
Date	**Time**	**DT-Bottom**	**DT-Product**	**DT-Water**	**DTP-DTW**	**DTB-DTW**	**Pore Volume**

(0.75" = 0.023 gal/ft) (1" = 0.041 gal/ft) (1.5" = 0.092 gal/ft) (2" = 0.163 gal/ft) (3" = 0.367 gal/ft) (4" = 0.653 gal/ft) (6" = 1.469 gal/ft) (8" = 2.611 gal/ft)

Water Quality Data

Purge Method	Time	Purge Vol (gal)	Flowrate l/min	pH	Temp (C)	E Cond (uS/cm)	DO (mg/L)	EH	Turbidity
(2) Peristaltic Pump									
Final Field Parameters	17:00	--	--	7.21	23.1	986	--	--	420

Methods: (1) Submersible Pump (2) Peristaltic Pump (3) Disposable Bailer (4) Vacuum Pump (5) Dedicated Bailer (6) Inertia Pump (7) Other (specify)

Water Quality Observations: Very yellow color observed.

Sample Information

Sampling Method	Sample Type	Sampling Time	Container Code/Preservative	#	Filtered
(2) Peristaltic Pump	Groundwater	5:00:00 PM	VOA-Glass	6	No
			Amber Glass	3	No
			White Poly	1	No
			Yellow Poly		
			Green Poly		
			Red Total Poly	1	No
			Red Dissolved Poly	1	Yes
			Total Bottles	12	

General Sampling Comments Reconnaissance groundwater sample. Screen set from 15 feet to 19 feet bgs.

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Water Field Sampling Data Sheet

Client Name	Precision Engineering	**Sample Location**	GP-4		
Project #	0053.01.03	**Sampler**	ARH		
Project Name	Remedial Investigation	**Sampling Date**	6/16/2005		
Sampling Event	June 2005	**Sample Name**	GP4-W-8.0		
Sub Area		**Sample Depth**	8		
FSDS QA:	ARH July 22, 2005	**Easting**		**Northing**		**TOC**	

Hydrology/Level Measurements

					(Product Thickness)	(Water Column)	(Gallons/ft x Water Column)
Date	**Time**	**DT-Bottom**	**DT-Product**	**DT-Water**	**DTP-DTW**	**DTB-DTW**	**Pore Volume**

(0.75" = 0.023 gal/ft) (1" = 0.041 gal/ft) (1.5" = 0.092 gal/ft) (2" = 0.163 gal/ft) (3" = 0.367 gal/ft) (4" = 0.653 gal/ft) (6" = 1.469 gal/ft) (8" = 2.611 gal/ft)

Water Quality Data

Purge Method	Time	Purge Vol (gal)	Flowrate l/min	pH	Temp (C)	E Cond (uS/cm)	DO (mg/L)	EH	Turbidity
(2) Peristaltic Pump									
Final Field Parameters	11:50	1.2	--	6.72	22.1	544	--	--	328

Methods: (1) Submersible Pump (2) Peristaltic Pump (3) Disposable Bailer (4) Vacuum Pump (5) Dedicated Bailer (6) Inertia Pump (7) Other (specify)

Water Quality Observations:

Opague yellowish orange tint observed.

Sample Information

Sampling Method	Sample Type	Sampling Time	Container Code/Preservative	#	Filtered
(2) Peristaltic Pump	Groundwater	11:50:00 AM	VOA-Glass	6	No
			Amber Glass	3	No
			White Poly	1	No
			Yellow Poly		
			Green Poly		
			Red Total Poly	1	No
			Red Dissolved Poly	1	Yes
			Total Bottles	12	

General Sampling Comments

Reconnaissance groundwater sample. Screen set from 6 feet to 10 feet bgs.

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Water Field Sampling Data Sheet

Client Name	Precision Engineering	**Sample Location**	GP-5		
Project #	0053.01.03	**Sampler**	ARH		
Project Name	Remedial Investigation	**Sampling Date**	6/16/2005		
Sampling Event	June 2005	**Sample Name**	GP5-W-18.0		
Sub Area		**Sample Depth**	18		
FSDS QA:	ARH July 22, 2005	**Easting**		**Northing**	**TOC**

Hydrology/Level Measurements

					(Product Thickness)	(Water Column)	(Gallons/ft x Water Column)
Date	**Time**	**DT-Bottom**	**DT-Product**	**DT-Water**	**DTP-DTW**	**DTB-DTW**	**Pore Volume**

(0.75" = 0.023 gal/ft) (1" = 0.041 gal/ft) (1.5" = 0.092 gal/ft) (2" = 0.163 gal/ft) (3" = 0.367 gal/ft) (4" = 0.653 gal/ft) (6" = 1.469 gal/ft) (8" = 2.611 gal/ft)

Water Quality Data

Purge Method	Time	Purge Vol (gal)	Flowrate l/min	pH	Temp (C)	E Cond (uS/cm)	DO (mg/L)	EH	Turbidity
(2) Peristaltic Pump									
Final Field Parameters	11:15	0.75	--	7.56	20.0	224	--	--	52.2

Methods: (1) Submersible Pump (2) Peristaltic Pump (3) Disposable Bailer (4) Vacuum Pump (5) Dedicated Bailer (6) Inertia Pump (7) Other (specify)

Water Quality Observations:

Sample Information

Sampling Method	Sample Type	Sampling Time	Container Code/Preservative	#	Filtered
(2) Peristaltic Pump	Groundwater	1:45:00 PM	VOA-Glass	6	No
			Amber Glass	3	No
			White Poly	1	No
			Yellow Poly		
			Green Poly		
			Red Total Poly	1	No
			Red Dissolved Poly	1	Yes
			Total Bottles	12	

General Sampling Comments

Reconnaissance groundwater sample. Screen set from 16 feet to 20 feet bgs.

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Water Field Sampling Data Sheet

Client Name	Precision Engineering	**Sample Location**	GP-6		
Project #	0053.01.03	**Sampler**	ARH		
Project Name	Remedial Investigation	**Sampling Date**	6/16/2005		
Sampling Event	June 2005	**Sample Name**	GP6-W-18.0		
Sub Area		**Sample Depth**	18		
FSDS QA:	ARH July 22, 2005	**Easting**		**Northing**	**TOC**

Hydrology/Level Measurements

					(Product Thickness)	(Water Column)	(Gallons/ft x Water Column)
Date	**Time**	**DT-Bottom**	**DT-Product**	**DT-Water**	**DTP-DTW**	**DTB-DTW**	**Pore Volume**

(0.75" = 0.023 gal/ft) (1" = 0.041 gal/ft) (1.5" = 0.092 gal/ft) (2" = 0.163 gal/ft) (3" = 0.367 gal/ft) (4" = 0.653 gal/ft) (6" = 1.469 gal/ft) (8" = 2.611 gal/ft)

Water Quality Data

Purge Method	Time	Purge Vol (gal)	Flowrate l/min	pH	Temp (C)	E Cond (uS/cm)	DO (mg/L)	EH	Turbidity
(2) Peristaltic Pump									
Final Field Parameters	13:40	0.75	--	23.7	6.42	659	--	--	428

Methods: (1) Submersible Pump (2) Peristaltic Pump (3) Disposable Bailer (4) Vacuum Pump (5) Dedicated Bailer (6) Inertia Pump (7) Other (specify)

Water Quality Observations: Yellow tint observed.

Sample Information

Sampling Method	Sample Type	Sampling Time	Container Code/Preservative	#	Filtered
(2) Peristaltic Pump	Groundwater	1:40:00 PM	VOA-Glass	6	No
			Amber Glass	3	No
			White Poly	1	No
			Yellow Poly		
			Green Poly		
			Red Total Poly	1	No
			Red Dissolved Poly	1	Yes
			Total Bottles	12	

General Sampling Comments Reconnaissance groundwater sample. Screen set from 16 feet to 20 feet bgs.

Signature _____

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Water Field Sampling Data Sheet

Client Name	Precision Engineering	**Sample Location**	GP-7		
Project #	0053.01.03	**Sampler**	ARH		
Project Name	Remedial Investigation	**Sampling Date**	6/16/2005		
Sampling Event	June 2005	**Sample Name**	GP7-W-14.0		
Sub Area		**Sample Depth**	14		
FSDS QA:	ARH July 22, 2005	**Easting**		**Northing**	**TOC**

Hydrology/Level Measurements

					(Product Thickness)	(Water Column)	(Gallons/ft x Water Column)
Date	**Time**	**DT-Bottom**	**DT-Product**	**DT-Water**	**DTP-DTW**	**DTB-DTW**	**Pore Volume**

(0.75" = 0.023 gal/ft) (1" = 0.041 gal/ft) (1.5" = 0.092 gal/ft) (2" = 0.163 gal/ft) (3" = 0.367 gal/ft) (4" = 0.653 gal/ft) (6" = 1.469 gal/ft) (8" = 2.611 gal/ft)

Water Quality Data

Purge Method	Time	Purge Vol (gal)	Flowrate l/min	pH	Temp (C)	E Cond (uS/cm)	DO (mg/L)	EH	Turbidity
(2) Peristaltic Pump									
Final Field Parameters	16:30	2.0	--	6.17	22.5	421	--	--	679

Methods: (1) Submersible Pump (2) Peristaltic Pump (3) Disposable Bailer (4) Vacuum Pump (5) Dedicated Bailer (6) Inertia Pump (7) Other (specify)

Water Quality Observations:

Sample Information

Sampling Method	Sample Type	Sampling Time	Container Code/Preservative	#	Filtered
(2) Peristaltic Pump	Groundwater	4:30:00 PM	VOA-Glass	6	No
			Amber Glass	3	No
			White Poly	1	No
			Yellow Poly		
			Green Poly		
			Red Total Poly	1	No
			Red Dissolved Poly	1	Yes
			Total Bottles	12	

General Sampling Comments

Reconnaissance groundwater sample. Screen set from 12 feet to 16 feet bgs.

Signature _____

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Water Field Sampling Data Sheet

Client Name	Precision Engineering	**Sample Location**	GP-8		
Project #	0053.01.03	**Sampler**	ARH		
Project Name	Remedial Investigation	**Sampling Date**	6/16/2005		
Sampling Event	June 2005	**Sample Name**	GP8-W-10.0		
Sub Area		**Sample Depth**	10		
FSDS QA:	ARH July 22, 2005	**Easting**		**Northing**	**TOC**

Hydrology/Level Measurements

					(Product Thickness)	(Water Column)	(Gallons/ft x Water Column)
Date	**Time**	**DT-Bottom**	**DT-Product**	**DT-Water**	**DTP-DTW**	**DTB-DTW**	**Pore Volume**

(0.75" = 0.023 gal/ft) (1" = 0.041 gal/ft) (1.5" = 0.092 gal/ft) (2" = 0.163 gal/ft) (3" = 0.367 gal/ft) (4" = 0.653 gal/ft) (6" = 1.469 gal/ft) (8" = 2.611 gal/ft)

Water Quality Data

Purge Method	Time	Purge Vol (gal)	Flowrate l/min	pH	Temp (C)	E Cond (uS/cm)	DO (mg/L)	EH	Turbidity
(2) Peristaltic Pump									
Final Field Parameters	18:20	2.0	--	6.79	21.7	631	--	--	241

Methods: (1) Submersible Pump (2) Peristaltic Pump (3) Disposable Bailer (4) Vacuum Pump (5) Dedicated Bailer (6) Inertia Pump (7) Other (specify)

Water Quality Observations: Yellow tint observed.

Sample Information

Sampling Method	Sample Type	Sampling Time	Container Code/Preservative	#	Filtered
(2) Peristaltic Pump	Groundwater	6:20:00 PM	VOA-Glass	6	No
			Amber Glass	3	No
			White Poly	1	No
			Yellow Poly		
			Green Poly		
			Red Total Poly	1	No
			Red Dissolved Poly	1	Yes
			Total Bottles	12	

General Sampling Comments Reconnaissance groundwater sample. Screen set from 8 feet to 12 feet bgs.

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Water Field Sampling Data Sheet

Client Name	Precision Engineering	**Sample Location**	MW-1		
Project #	0053.01.03	**Sampler**	ARH		
Project Name	Remedial Investigation	**Sampling Date**	6/16/2005		
Sampling Event	June 2005	**Sample Name**	MW1-W-35.0		
Sub Area		**Sample Depth**			
FSDS QA:	ARH July 22, 2005	**Easting**		**Northing**	**TOC**

Hydrology/Level Measurements

					(Product Thickness)	(Water Column)	(Gallons/ft x Water Column)
Date	**Time**	**DT-Bottom**	**DT-Product**	**DT-Water**	**DTP-DTW**	**DTB-DTW**	**Pore Volume**
06/08/2005	12:50	40.2	--	0	--	40.2	6.5

(0.75" = 0.023 gal/ft) (1" = 0.041 gal/ft) (1.5" = 0.092 gal/ft) (2" = 0.163 gal/ft) (3" = 0.367 gal/ft) (4" = 0.653 gal/ft) (6" = 1.469 gal/ft) (8" = 2.611 gal/ft)

Water Quality Data

Purge Method	Time	Purge Vol (gal)	Flowrate l/min	pH	Temp (C)	E Cond (uS/cm)	DO (mg/L)	EH	Turbidity
(2) Peristaltic Pump	07:30	6	0.5	7.88	16.3	270	--	--	27.0
	08:07	9	0.3	--	15.7	283	--	--	11.3
	08:20	12	0.5	7.27	15.7	296	--	--	10.8
	08:42	14	0.25	7.36	15.8	234	--	--	6.56
Final Field Parameters	09:15	18	0.25	7.43	15.8	229	--	--	5.41

Methods: (1) Submersible Pump (2) Peristaltic Pump (3) Disposable Bailer (4) Vacuum Pump (5) Dedicated Bailer (6) Inertia Pump (7) Other (specify)

Water Quality Observations: Clear. Flowing artesian well.

Sample Information

Sampling Method	Sample Type	Sampling Time	Container Code/Preservative	#	Filtered
(2) Peristaltic Pump	Groundwater	9:15:00 AM	VOA-Glass	3	No
			Amber Glass		
			White Poly		
			Yellow Poly		
			Green Poly		
			Red Total Poly	1	No
			Red Dissolved Poly	1	Yes
			Total Bottles	5	

General Sampling Comments Collected VOCs using a disposable bailer with a bottom emptying device. Developed well by surging with a disposible, weighted bailer and purging with a peristaltic pump. Also purged 30 gallons on 6/8/05.

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Water Field Sampling Data Sheet

Client Name	Precision Engineering	**Sample Location**	MW-2
Project #	0053.01.03	**Sampler**	ARH
Project Name	Remedial Investigation	**Sampling Date**	6/17/2005
Sampling Event	June 2005	**Sample Name**	MW2-W-0605
Sub Area		**Sample Depth**	
FSDS QA:	ARH July 22, 2005	**Easting**	**Northing**	**TOC**

Hydrology/Level Measurements

					(Product Thickness)	(Water Column)	(Gallons/ft x Water Column)
Date	**Time**	**DT-Bottom**	**DT-Product**	**DT-Water**	**DTP-DTW**	**DTB-DTW**	**Pore Volume**
06/08/2005	07:40	19:00	--	4.71	--	14.29	2.33

(0.75" = 0.023 gal/ft) (1" = 0.041 gal/ft) (1.5" = 0.092 gal/ft) (2" = 0.163 gal/ft) (3" = 0.367 gal/ft) (4" = 0.653 gal/ft) (6" = 1.469 gal/ft) (8" = 2.611 gal/ft)

Water Quality Data

Purge Method	Time	Purge Vol (gal)	Flowrate l/min	pH	Temp (C)	E Cond (uS/cm)	DO (mg/L)	EH	Turbidity
(2) Peristaltic Pump									
Final Field Parameters	10:50	0.5	0.2	6.20	20.4	1698	--	--	47.9

Methods: (1) Submersible Pump (2) Peristaltic Pump (3) Disposable Bailer (4) Vacuum Pump (5) Dedicated Bailer (6) Inertia Pump (7) Other (specify)

Water Quality Observations: Slight yellowish orange tint. Field parameters shown above are from just prior to sampling on the 17th, while developing the field parameters were similar.

Sample Information

Sampling Method	Sample Type	Sampling Time	Container Code/Preservative	#	Filtered
(2) Peristaltic Pump	Groundwater	10:50:00 AM	VOA-Glass	3	No
			Amber Glass		
			White Poly		
			Yellow Poly		
			Green Poly		
			Red Total Poly	1	No
			Red Dissolved Poly	1	Yes
			Total Bottles	5	

General Sampling Comments Collected VOCs using a disposable bailer with a bottom emptying device. Developed well on 6/8/05 and 6/15/05, purged well dry both days. Sampled well on the morning of the 6/17/05.

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Water Field Sampling Data Sheet

Client Name	Precision Engineering	**Sample Location**	MW-3
Project #	0053.01.03	**Sampler**	SLM
Project Name	Remedial Investigation	**Sampling Date**	6/7/2005
Sampling Event	June 2005	**Sample Name**	MW3-0605
Sub Area		**Sample Depth**	
FSDS QA:	ARH July 22, 2005	**Easting**	**Northing**	**TOC**

Hydrology/Level Measurements

					(Product Thickness)	(Water Column)	(Gallons/ft x Water Column)
Date	**Time**	**DT-Bottom**	**DT-Product**	**DT-Water**	**DTP-DTW**	**DTB-DTW**	**Pore Volume**
06/08/2005		18.2	--	6	--	12.2	2.0

(0.75" = 0.023 gal/ft) (1" = 0.041 gal/ft) (1.5" = 0.092 gal/ft) (2" = 0.163 gal/ft) (3" = 0.367 gal/ft) (4" = 0.653 gal/ft) (6" = 1.469 gal/ft) (8" = 2.611 gal/ft)

Water Quality Data

Purge Method	Time	Purge Vol (gal)	Flowrate l/min	pH	Temp (C)	E Cond (uS/cm)	DO (mg/L)	EH	Turbidity
(2) Peristaltic Pump	15:11	25.0	0.35	6.69	17.2	427	--	--	14.7
	15:25	27.0	0.35	6.51	17.2	419	--	--	8.3
	15:45	29.0	0.35	6.46	17.0	404	--	--	6.2
Final Field Parameters	16:07	31.0	0.35	6.50	17.0	390	--	--	5.8

Methods: (1) Submersible Pump (2) Peristaltic Pump (3) Disposable Bailer (4) Vacuum Pump (5) Dedicated Bailer (6) Inertia Pump (7) Other (specify)

Water Quality Observations: Clear with suspended orange particulates.

Sample Information

Sampling Method	Sample Type	Sampling Time	Container Code/Preservative	#	Filtered
(2) Peristaltic Pump	Groundwater	4:10:00 PM	VOA-Glass	3	No
			Amber Glass		
			White Poly		
			Yellow Poly		
			Green Poly		
			Red Total Poly	1	No
			Red Dissolved Poly	1	Yes
			Total Bottles	5	

General Sampling Comments Collected VOCs using a disposable bailer with a bottom emptying device. Developed well by surging with a disposible, weighted bailer and purging with a peristaltic pump.

Signature _____

Maul Foster & Alongi, Inc.

7223 NE Hazel Dell Avenue, Suite B, Vancouver, WA 98665 (360) 694-2691 Fax. (360) 906-1958

Water Field Sampling Data Sheet

Client Name	Precision Engineering	**Sample Location**	MW-4
Project #	0053.01.03	**Sampler**	SLM
Project Name	Remedial Investigation	**Sampling Date**	6/8/2005
Sampling Event	June 2005	**Sample Name**	MW4-0605
Sub Area		**Sample Depth**	
FSDS QA:	ARH July 22, 2005	**Easting**	**Northing**	**TOC**

Hydrology/Level Measurements

					(Product Thickness)	(Water Column)	(Gallons/ft x Water Column)
Date	**Time**	**DT-Bottom**	**DT-Product**	**DT-Water**	**DTP-DTW**	**DTB-DTW**	**Pore Volume**
06/08/2005	9:30	25.57	--	6.18	--	19.39	3.2

(0.75" = 0.023 gal/ft) (1" = 0.041 gal/ft) (1.5" = 0.092 gal/ft) (2" = 0.163 gal/ft) (3" = 0.367 gal/ft) (4" = 0.653 gal/ft) (6" = 1.469 gal/ft) (8" = 2.611 gal/ft)

Water Quality Data

Purge Method	Time	Purge Vol (gal)	Flowrate l/min	pH	Temp (C)	E Cond (uS/cm)	DO (mg/L)	EH	Turbidity
(2) Peristaltic Pump	10:21	4	0.50	6.02	18.0	509	--	--	22.0
	10.45	6.5	0.45	6.19	17.8	497	--	--	17.4
	11:05	8.5	0.45	6.28	17.7	501	--	--	4.0
Final Field Parameters	11:25	11.0	0.45	6.26	17.7	504	--	--	2.6

Methods: (1) Submersible Pump (2) Peristaltic Pump (3) Disposable Bailer (4) Vacuum Pump (5) Dedicated Bailer (6) Inertia Pump (7) Other (specify)

Water Quality Observations: Clear with small particles of orange particulates.

Sample Information

Sampling Method	Sample Type	Sampling Time	Container Code/Preservative	#	Filtered
(2) Peristaltic Pump	Groundwater	11:25:00 AM	VOA-Glass	3	No
			Amber Glass		
			White Poly		
			Yellow Poly		
			Green Poly		
			Red Total Poly	1	No
			Red Dissolved Poly	1	Yes
			Total Bottles	5	

General Sampling Comments Collected VOCs using a disposable bailer with a bottom emptying device. Field duplicate sample taken at this location. Sample ID- GW4-Dup-0605.

Signature _____

Maul Foster & Alongi, Inc.

7223 NE Hazel Dell Avenue, Suite B, Vancouver, WA 98665 (360) 694-2691 Fax. (360) 906-1958

Water Field Sampling Data Sheet

Client Name	Precision Engineering	**Sample Location**	MW-4		
Project #	0053.01.03	**Sampler**	SLM		
Project Name	Remedial Investigation	**Sampling Date**	6/8/2005		
Sampling Event	June 2005	**Sample Name**	MW4Dup-0605		
Sub Area		**Sample Depth**			
FSDS QA:	ARH July 22, 2005	**Easting**		**Northing**	**TOC**

Hydrology/Level Measurements

					(Product Thickness)	(Water Column)	(Gallons/ft x Water Column)
Date	**Time**	**DT-Bottom**	**DT-Product**	**DT-Water**	**DTP-DTW**	**DTB-DTW**	**Pore Volume**
06/08/2005	06/08/05	25.57	--	6.18	--	19.39	3.2

(0.75" = 0.023 gal/ft) (1" = 0.041 gal/ft) (1.5" = 0.092 gal/ft) (2" = 0.163 gal/ft) (3" = 0.367 gal/ft) (4" = 0.653 gal/ft) (6" = 1.469 gal/ft) (8" = 2.611 gal/ft)

Water Quality Data

Purge Method	**Time**	**Purge Vol (gal)**	**Flowrate l/min**	**pH**	**Temp (C)**	**E Cond (uS/cm)**	**DO (mg/L)**	**EH**	**Turbidity**
(2) Peristaltic Pump	10:21	4.0	0.50	6.02	18.0	509	--	--	22.0
	10:45	6.5	0.45	6.19	17.8	497	--	--	17.4
	11:05	8.5	0.45	6.28	17.7	501	--	--	4.0
Final Field Parameters	11:25	11.0	0.45	6.26	17.7	504	--	--	2.6

Methods: (1) Submersible Pump (2) Peristaltic Pump (3) Disposable Bailer (4) Vacuum Pump (5) Dedicated Bailer (6) Inertia Pump (7) Other (specify)

Water Quality Observations: Clear with suspended orange particulates.

Sample Information

Sampling Method	**Sample Type**	**Sampling Time**	**Container Code/Preservative**	**#**	**Filtered**
(2) Peristaltic Pump	Groundwater	11:25:00 AM	VOA-Glass	3	No
			Amber Glass		
			White Poly		
			Yellow Poly		
			Green Poly		
			Red Total Poly	1	No
			Red Dissolved Poly	1	Yes
			Total Bottles	5	

General Sampling Comments Collected VOCs using a disposable bailer with a bottom emptying device. Duplicae sample of MW4-0605.

Signature _____

APPENDIX F

WELL DEVELOPMENT SHEETS

Well Development Form

MAUL FOSTER ALONGI
ENVIRONMENTAL & ENGINEERING CONSULTANTS

Project No. 0053.01.03	Date 06/08/05 and 06/15/05
Site Location: Precision Engineering, Seattle, Wa	Well: MW-1
Name: Scout Mauldin/Alan Hughes	Initial DTB 40.2 Final DTB:
Development Method: Peristaltic and surge	Initial DTW: Artesian Final DTW: 18.5
Total Water Removed 48 gallons	Pore Volume: 6.5 (flowing artesian)
Water Contained Yes	Casing Diameter: 2 inches
Estimated Specific Capacity	Meter No.

Time	Cum. Vol Removed	Turbidity	pH	EC (µhos)	Temp	DO	Eh	Comments
12:50	2 gal	--	--	--	--	--	--	Grey and silty
13:27	Surge with weighted disposible bailer for 15 minutes.							
14:00	6	680	6.96	301	14.6	--	--	Grey and silty
14:37	10	449	6.88	296	14.6	--	--	Grey and silty, clearing, 0.65L/min
15:16	14	513	6.88	292	15.2	--	--	Grey and silty, clearing, 0.65L/min
15:48	20	306	6.96	289	15.2	--	--	Grey and silty, clearing, 0.65L/min
16:13	26	204	6.94	289	15.2	--	--	Grey and silty, clearing, 0.65L/min
16:29	30	137	6.92	288	15.2	--	--	Grey and silty, clearing, 0.65L/min
6/15/2005								
7:30	6	27.0	7.88	270	16.3	--	--	0.5 L/min
8:07	9	11.3	--	283	15.7	--	--	
8:20	12	10.8	7.27	296	15.7	--	--	0.3 L/min
8:42	14	6.56	7.36	234	15.8	--	--	0.5 L/min
9:15	18	5.41	7.43	229	15.8	--	--	0.25 L/min

Well Development Form

MAUL FOSTER ALONGI
ENVIRONMENTAL & ENGINEERING CONSULTANTS

Project No. 0053.01.03		Date 06/08/05 and 06/15/05	
Site Location: Precision Engineering, Seattle, Wa		Well: MW-2	
Name: Scout Mauldin/Alan Hughes		Initial DTB: 19.0	Final DTB: 19.29
Development Method: Peristaltic and surge		Initial DTW: 4.71	Final DTW:
Total Water Removed 4.5 gallons		Pore Volume: 2.33	
Water Contained Yes		Casing Diameter: 2 inches	
Estimated Specific Capacity		Meter No.	

Time	Cum. Vol Removed	Turbidity	pH	EC (µhos)	Temp	DO	Eh	Comments
8:21	0	--	--	--	--	--	--	Slight yellowish tint, 0.35 L/min
8:45	2.0	--	--	--	--	--	--	Well dry
6/15/2005								
14:31	1.0	32.8	7.42	1906	19.8	--	--	10.72 TOC
14:45	2.0	34.7	NM	NM	NM	--	--	Pump at bottom. WLE falls quickly
15:01	2.5	45.8	6.8	1312	20.2	--	--	Slight yellowish tint. DTW 18.21

Well Development Form

MAUL FOSTER ALONGI
ENVIRONMENTAL & ENGINEERING CONSULTANTS

Project No. 0053.01.03	Date 06/08/05 and 06/15/05
Site Location: Precision Engineering, Seattle, Wa	Well: MW-3
Name: Scout Mauldin/Alan Hughes	Initial DTB: 18.2 Final DTB: 19.29
Development Method: Peristaltic and surge	Initial DTW: 6.0 Final DTW:
Total Water Removed 31 gallons	Pore Volume: 2.0
Water Contained Yes	Casing Diameter: 2 inches
Estimated Specific Capacity	Meter No.

Time	Cum. Vol Removed	Turbidity	pH	EC (µhos)	Temp	DO	Eh	Comments
12:49	3.0	--	7.14	489	16.5	--	--	Grey silty sand, purged off bottom
13:16	9.0	243	7.31	542	17.0	--	--	Grey silty sand, purged off bottom
13:25	Surged with wieghted, disposible bailer for twenty minutes.							
13:55	13.0	355	7.32	556	17.0	--	--	Grey silty sand, purged off bottom
14:16	17.0	168	7.34	536	17.0	--	--	Grey silty sand, purged off bottom
14:27	19.0	106	7.36	539	17.0	--	--	0.55 L/min, moved into screen
14:47	22.0	102	7.39	540	17.0	--	--	0.45 L/min, clearing w/ orange particles
15:11	25.0	14.7	6.69	427	17.2	--	--	0.35 L/min, clearing w/ orange particles
15:25	27.0	8.3	6.51	419	17.2	--	--	0.35 L/min, clearing w/ orange particles
15:45	29.0	6.2	6.46	404	17.0	--	--	0.35 L/min, clearing w/ orange particles
16:07	31.0	5.8	6.50	390	17.0	--	--	0.35 L/min, clearing w/ orange particles

Well Development Form

MAUL FOSTER ALONGI
ENVIRONMENTAL & ENGINEERING CONSULTANTS

Project No. 0053.01.03	Date 06/08/05
Site Location: Precision Engineering, Seattle, Wa	Well: MW-4
Name: Scout Mauldin	Initial DTB: 25.57 Final DTB 25.57
Development Method: Peristaltic and surge	Initial DTW: 6.18 Final DTW 19.5
Total Water Removed 11 gallons	Pore Volume:3.2
Water Contained Yes	Casing Diameter: 2 inches
Estimated Specific Capacity	Meter No.

Time	Cum. Vol Removed	Turbidity	pH	EC (µhos)	Temp	DO	Eh	Comments
10:06	0	--	--	--	--	--	--	Began purging
10:21	4.0	22	6.02	509	18	--	--	Slight tint with flocculent, 0.5 L/min
10:45	6.5	17.4	6.19	497	17.8	--	--	Clearing with slight flocculent, 0.45 L/min
11:05	8.5	4.0	6.28	501	17.7	--	--	Clearing with slight flocculent, 0.45 L/min
11:25	11.0	2.6	6.26	504	17.7	--	--	Clearing with slight flocculent, 0.45 L/min