

REMEDIAL INVESTIGATION AND FEASIBILITY STUDY REPORT

32ND STREET PROPERTY



Prepared for
GEORGE SCHMID & SONS, INC.
WASHOUGAL, WA
October 17, 2014
Project No. 0564.02.01

Prepared by
Maul Foster & Alongi, Inc.
400 E Mill Plain Blvd., Suite 400, Vancouver WA 98660

REMEDIAL INVESTIGATION AND FEASIBILITY STUDY REPORT

32ND STREET PROPERTY

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

MAUL FOSTER & ALONGI, INC.



Alan R. Hughes

Alan R. Hughes, LG
Senior Geologist

Justin Pounds
Project Scientist

Jennifer King, PE
Project Engineer

CONTENTS

TABLES AND ILLUSTRATIONS	V
ACRONYMS AND ABBREVIATIONS	VI
1 INTRODUCTION	1
1.1 REPORT ORGANIZATION	1
2 BACKGROUND	2
2.1 SITE DESCRIPTION	2
2.2 SITE HISTORY	2
2.3 GEOLOGY AND HYDROGEOLOGY	2
2.4 CURRENT AND FUTURE LAND USE	3
2.5 PREVIOUS INVESTIGATIONS AND CLEANUP ACTIONS	3
2.6 AREAS OF ENVIRONMENTAL CONCERN	5
3 FIELD AND ANALYTICAL METHODS	6
3.1 FIELD SAMPLING PROCEDURES	6
3.2 DATA USABILITY	7
4 CONCEPTUAL SITE MODEL	8
4.1 SOURCE CHARACTERIZATION	9
4.2 FATE AND TRANSPORT OF CONTAMINANTS	9
4.3 POTENTIAL SOIL EXPOSURE SCENARIOS	9
4.4 SOIL GAS EXPOSURE SCENARIOS	10
4.5 POTENTIAL GROUNDWATER EXPOSURE SCENARIOS	10
4.6 CLEANUP STANDARDS	10
5 NATURE AND EXTENT	12
5.1 SOIL	12
5.2 SOIL GAS	13
5.3 GROUNDWATER	14
5.4 SUMMARY OF SITE INVESTIGATION CONCLUSIONS	16
6 DEVELOPMENT OF CLEANUP ACTION ALTERNATIVES	17
6.1 TECHNOLOGY SCREENING	17
6.2 CLEANUP ALTERNATIVES	19
7 EVALUATION OF ALTERNATIVES	21
7.1 MTCA THRESHOLD REQUIREMENTS	21
7.2 EVALUATION FACTORS	22
7.3 DISPROPORTIONATE-COST ANALYSIS	24
8 RECOMMENDATION	24
8.1 PROPOSED ALTERNATIVE	24
8.2 REMEDIAL DESIGN DATA NEEDS	25
LIMITATIONS	
REFERENCES	
TABLES	
FIGURES	

CONTENTS (CONTINUED)

APPENDIX A
BORING AND WELL-INSTALLATION LOGS

APPENDIX B
LABORATORY ANALYTICAL RESULTS

APPENDIX C
DATA VALIDATION MEMORANDA

APPENDIX D
TERRESTRIAL ECOLOGICAL EVALUATION

TABLES AND ILLUSTRATIONS

FOLLOWING REPORT:

TABLES

- 1 FIELD PARAMETERS
- 2 DATA GAPS AND DATA QUALITY OBJECTIVES
- 3 SOIL ANALYTICAL RESULTS
- 4 SOIL GAS ANALYTICAL RESULTS
- 5 GROUNDWATER ANALYTICAL RESULTS
- 6 DISPROPORTIONATE COST ANALYSIS
- 7 COST ESTIMATE—ALTERNATIVE 3: SOIL REMOVAL, CAPPING, GROUNDWATER MONITORING, AND INSTITUTIONAL CONTROLS
- 8 COST ESTIMATE—ALTERNATIVE 4: SOIL REMOVAL, CAPPING, AND IN SITU GROUNDWATER TREATMENT
- 9 COST ESTIMATE—ALTERNATIVE 5: SOIL REMOVAL TO CULS AND IN SITU GROUNDWATER TREATMENT
- 10 COST ESTIMATE—ALTERNATIVE 5: SOIL REMOVAL TO CULS AND PUMP AND TREAT GROUNDWATER TREATMENT

FIGURES

- 1 SITE LOCATION
- 2 SITE FEATURES
- 3 GROUNDWATER CONTOURS AND MONITORING WELL EXCEEDANCES (JULY 2014)
- 4 SOIL AND GROUNDWATER EXCEEDANCES
- 5 CONCEPTUAL SITE MODEL

ACRONYMS AND ABBREVIATIONS

AST	aboveground storage tank
bgs	below ground surface
cPAH	carcinogenic polycyclic aromatic hydrocarbon
CSM	conceptual site model
CUL	cleanup level
Ecology	Washington State Department of Ecology
EIC	ecological indicator concentration
ESA	environmental site assessment
GSSI	George Schmid & Sons, Inc.
IHS	indicator hazardous substance
LEL	lower explosive limit
MFA	Maul Foster & Alongi, Inc.
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
MTCA	Model Toxics Control Act
naphthalenes	sum of 1-methylnaphthalene, 2-methylnaphthalene, and naphthalene
NWTPH-HCID	Northwest Total Petroleum Hydrocarbon Identification Scan
PAH	polycyclic aromatic hydrocarbon
PBS	PBS Engineering + Environmental, Inc.
PCB	polychlorinated biphenyl
PID	photoionization detector
POC	point of compliance
ppm	parts per million
the Property	1411 32nd Street, Washougal, Washington
PRT	post-run tubing
RI/FS	remedial investigation and feasibility study
SL	screening level
SMP	soil management plan
TEC	toxicity equivalent concentration
TEE	terrestrial ecological evaluation
TEF	toxic equivalency factor
TEQ	toxicity equivalent
TPH	sum of diesel-range and heavy-oil-range hydrocarbons
ug/kg	micrograms per kilogram
ug/L	micrograms per liter
USEPA	U.S. Environmental Protection Agency
UST	underground storage tank
VOC	volatile organic compound
WAC	Washington Administrative Code

1 INTRODUCTION

On behalf of George Schmid & Sons, Inc. (GSSI), Maul Foster & Alongi, Inc. (MFA) has prepared this remedial investigation and feasibility study (RI/FS) report for the 32nd Street Shop/Office property, 1411 32nd Street, Washougal, Washington (herein referred to as the Property). This RI/FS report was prepared to satisfy the requirements of the Model Toxics Control Act (MTCA) and addresses the substantive requirements of Washington Administrative Code (WAC) 173-340, -350, and -360.

The purpose of this report is to summarize the history of the Property and sources of contamination, describe RI (characterization of the nature and extent of contamination) activities on the Property, evaluate the feasibility of remediation alternatives, and describe preferred remedies.

1.1 Report Organization

The report is organized as follows:

- Section 2 provides background information for the Site, including setting, geology, and hydrogeology. Previous investigations of each of the areas are summarized, and current and future land uses are identified.
- Section 3 summarizes field sampling procedures and analytical methods.
- Section 4 presents a conceptual site model (CSM) identifying potentially complete exposure pathways by identifying sources, transport mechanisms, exposure media, and potential receptors on the site. Points of compliance (POCs) are identified for each area and matrix.
- Section 5 summarizes the nature and extent of impacts and identifies indicator hazardous substances (IHSs).
- Section 6 summarizes the feasibility analyses and cleanup action alternatives found for the Property.
- Section 7 summarizes the evaluation of cleanup alternatives for remedy of soil and groundwater on the Property.
- Section 8 presents recommendations for the Property.

2 BACKGROUND

This section describes the physical location and characteristics of the Property, including geology and hydrogeology, and summarizes the site history, including previous investigations.

2.1 Site Description

The Property is located in section DLC47 of township 1 north and range 4 east of the Willamette Meridian (see Figure 1). The Property comprises a total of 17 acres, which include the former operational area of the Property (approximately 5 acres) and the lower pasture area (approximately 12 acres), which is bordered by the Washougal River. Topographically, the Property slopes to the west toward the Washougal River. A steep slope with approximately 30 feet of elevation drop separates the former operational area on the northeast portion of the Property from the pasture in the southwest area of the Property. The Property is bordered by 32nd Street to the east and the Washougal River to the west, with agricultural land to the southwest and residential areas to the north and southeast.

The Property is currently vacant of structures after demolition of an office, shop areas, wash pad, shed, aboveground storage tanks (ASTs), underground storage tanks (USTs), and other minor structures. Demolition of these structures was generally completed in 2010. The upper portion of the Property is surfaced with grass and a gravel parking area near 32nd Street, and an asphalt driveway connects 32nd Street to the lower portion of the Property (crossing the upper portion of the Property). The lower portion of the Property is grassy pastureland.

2.2 Site History

The Property was part of a large agricultural property until the mid-1930s and contained some residential buildings and outbuildings near its southeast portion. Light industrial use of the Property by GSSI started in the 1950s, with the main shop/office building being constructed in the 1970s (see Figure 2). Most of the remaining structures were constructed in the 1990s. On-site operations included heavy equipment maintenance and repair, power washing, sandblasting, equipment storage, and administrative business operations. Figure 2 shows the operational site features. All structures were removed from the Property by 2010.

2.3 Geology and Hydrogeology

The east half of the Property is underlain predominantly by Hillsboro loam and Hillsboro silt loam. The lower west terrace of the Property is underlain by Washougal loam to the north and Washougal gravelly loam to the south. The sloped area between the east and west portions of the Property contains Olympic clay loam. Surface soils are underlain by sand, gravels, and silts deposited by Pleistocene flood events. Soil test pit and boring and well logs completed by MFA are included as Appendix A.

The east upper terrace of the Property has groundwater at approximately 18 to 26 feet below ground surface (bgs). Shallow groundwater is found on the lower terrace of the Property at approximately 6 to 8 feet bgs (see Table 1). Groundwater flows from the upper east terrace to the lower west terrace toward the Washougal River (see Figure 3).

2.4 Current and Future Land Use

The Property is currently zoned as R1-10, single family with minimum 10,000-square-foot lots. The Property is surrounded by R1-10 and R1-7.5. However, up until approximately 2010, the Property was used for commercial purposes.

The future use of the Property is likely to change, as the current property owner has entered into a purchase and sale agreement with the city of Washougal for purchase of the Property. The purchase and sale agreement requires that Washougal develop the Property as a public park. Recent communication with Washougal indicates that the upland portion of the Property would be used for parking, a bathroom facility, a picnic area, and potentially a playground; while the lowlands would be enhanced with native vegetation and constructed trails and access to the Washougal River.

2.5 Previous Investigations and Cleanup Actions

Environmental assessments and investigations were completed at the Property from 2008 through 2010 by PBS Engineering + Environmental, Inc. (PBS). In addition, PBS oversaw the removal of site features in 2010. Environmental concerns identified by MFA based on the PBS investigations are discussed in Sections 2.5.1 and 2.5.2. The following are the relevant reports that were reviewed:

- Phase I environmental site assessment (ESA). Prepared by PBS for GSSI and Schmid Family Limited Partnership I, LLC (PBS, 2010a)
- Draft construction oversight report. Prepared by PBS for George Schmid and Sons, Inc. and Schmid Family Limited Partnership I, LLC (PBS, 2010b)

2.5.1 Summary of PBS Phase I ESA

The Phase I ESA (PBS, 2010a) identified the following recognized environmental conditions and environmental concerns on the Property:

- Visible staining and detectable odors were noted in surface soil at multiple locations on the Property.
- Abundant soil staining was found near a former AST building.
- Historical vehicle and equipment repair, sandblasting, and painting were completed at the Property. Sandblast grit had been observed on the Property.
- Vehicle wash rinsate was discharged directly to the ground, and staining was observed.

- Septic systems may have received chemicals associated with vehicle repair and other Property operations (location is unknown).
- A pipe located in the hill discharged stormwater from the operational area to the lowlands.
- Three historical gasoline and diesel USTs were decommissioned and removed in the 1980s. There is no known documentation for soil sampling associated with tank decommissioning activities.
- Two USTs were identified on the Property, containing heating oil and oil collected from a compressor.
- Significant amounts of fill material are present at the Property.
- Historical site use has been industrial, including vehicle repair, washing, and storage. These uses could have impacted surficial and subsurface soils.

The western two-thirds of the Property and much of the surrounding land historically were used for agricultural purposes such as grazing, not for row crops. No environmental concerns were identified in the lowland area.

2.5.2 Summary of PBS Draft Construction Oversight Report

The report was prepared to document the following on-site activities observed by PBS:

- Decommissioning of two subsurface USTs located to the west and east of the former shop and office building.
- Removal of the on-site structures, concrete, and asphalt, and documentation of any impacts to the subsurface from contamination.
- Complete compaction tests on excavations more than 2 feet deep.

PBS provided only the text of the report, and therefore supporting data and activities included in tables, figures, or appendices were not available for use or review. A total of 31 soil samples were collected from areas of visual impact during demolition. The report concluded that analytical for soil samples collected from the following areas suggested that releases had occurred, either from or around some structures, at concentrations above MTCA Method A cleanup levels (CULs) for gasoline, diesel, and/or heavy-oil-range petroleum hydrocarbons (PBS, 2010b).

- Parts Cleaning Shed – heavy oil-range petroleum hydrocarbons.
- Miscellaneous Area 3 – heavy oil- range petroleum hydrocarbons.
- Hydraulic – heavy oil-range petroleum hydrocarbons.
- Settling Tank – heavy oil-range petroleum hydrocarbons.

- Drywell sediment – gasoline, diesel, and heavy oil-range petroleum hydrocarbons.
- Cistern – heavy oil-range petroleum hydrocarbons.
- Catch Basin – gasoline-range petroleum hydrocarbons.

2.6 Areas of Environmental Concern

After reviewing the PBS reports, MFA conducted site visits at the Property to look for evidence of environmental concerns. As mentioned previously, the Property historically was used by GSSI, an excavation company, which through its operations may have released petroleum hydrocarbons or other hazardous substances. The operational activities included an office and shops used for equipment maintenance. In addition, there was a sandblasting area, as well as ASTs and USTs. At the time of MFA's site walks, all of the structures and features had been removed. Below is a summary of previous environmental concerns identified by PBS and by MFA during its site visits (see Figure 2):

- Visible staining and detectable odors were noted in surface soil at multiple locations on the Property.
- Soil staining near a former AST building was observed.
- Historical vehicle and equipment repair, sandblasting, and painting were completed at the Property. Sandblast grit had been observed on the Property.
- Vehicle wash rinsate was discharged directly to the ground, and staining was observed.
- Septic systems may have received chemicals associated with vehicle repair and other site operations (location is unknown).
- Two pipes located in the hill discharged stormwater from the operational area and from an oil/water separator, respectively, to the lowlands.
- Three historical gasoline and diesel USTs were decommissioned and removed in the 1980s. There is no known documentation for soil sampling associated with tank decommissioning activities.
- Two USTs were identified on site, containing heating oil and oil collected from a compressor.
- Significant amounts of fill material are present at the Property, and evidence of impacts (e.g., sampling results, odor, color) was reported by the site contact during MFA's site visit.
- Property use has been industrial, including vehicle repair, washing, and storage. These uses could have impacted surficial and subsurface soils.

The western two-thirds of the Property and much of the surrounding land historically were used for agricultural purposes such as grazing, but not for row crops. No environmental concerns were identified.

3 FIELD AND ANALYTICAL METHODS

MFA conducted environmental investigations in a tiered approach in April 2012, October 2013, and March 2014 to evaluate the environmental concerns listed above in Section 2.6 and to define the nature and extent of impacts. Sampling and analyses were completed in a tiered fashion in order to evaluate areas of concern and define nature and extent as appropriate. Figure 2 shows the field investigation locations with respect to the areas of concern.

Table 2 summarizes the investigation location, media sampled, and parameters analyzed for each of the environmental concerns. Soil and groundwater samples were analyzed for total petroleum hydrocarbons, using the Northwest Total Petroleum Hydrocarbons Hydrocarbon Identification Scan (NWTPH-HCID) method; gasoline-range petroleum hydrocarbons, using NWTPH-Gx; diesel-range and heavy-oil-range petroleum hydrocarbons, using NWTPH-Dx; volatile organic compounds (VOCs), using U.S. Environmental Protection Agency (USEPA) Method 8260B; polycyclic aromatic hydrocarbons (PAHs), using USEPA Method 8270 selective ion monitoring; polychlorinated biphenyls (PCBs), using USEPA Method 8082; and/or metals (i.e., arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver) using USEPA 6000/7000 series methods (USEPA, 2006). All soil samples were submitted to Specialty Analytical in Clackamas, Oregon. Water quality field readings, including turbidity, specific conductance, hydrogen ion potential, and temperature were measured and documented before sample collection. Groundwater field parameters are summarized in Table 1. Soil gas samples were analyzed for VOCs, using USEPA TO-15/TO-15 SIM methods; natural gases/permanent gases (helium, methane, and propane), using ASTM Method D1945/D1946; and sulfur gases (hydrogen sulfide), using ASTM Method D5504. The soil gas samples were submitted to Eurofins Air Toxics, in Folsom, California.

Soil and groundwater samples typically were analyzed initially for metals and scanned for petroleum hydrocarbons, and follow-up analyses were completed on those samples with petroleum hydrocarbons identified, consistent with MTCA Table 830-1.

3.1 Field Sampling Procedures

Samples were collected on the Property at the surface, using hand equipment; from test pits completed with an excavator; and from boreholes and monitoring wells completed with a direct-push drilling rig. Before subsurface work was completed, locations were cleared of underground obstructions with public (i.e., One-Call Center) and private (i.e., Applied Professional Services, Inc.) utility locators. Drilling services were provided by Pacific Soil & Water LLC, of Tigard, Oregon, using an AMS 9500-VTR PowerProbe™, and Cascade Drilling of Clackamas, Oregon, using a Geoprobe™ 8040DT track rig.

Eighteen surface soil samples were collected to evaluate areas of concern where surface impacts may have occurred (e.g., pipe storage area, sandblasting area, ASTs, and outfalls) (see Figure 2). Soil samples were collected using decontaminated, stainless-steel hand tools and new nitrile gloves. Five subsurface soil samples were collected in an area around the former cistern, where an excavator was used to trench to identify extent of impacts. Samples were collected from the sidewalls or base of the excavation, using the excavator bucket. The soil from the bucket was then scraped to expose soil that had not come in contact with the excavator bucket.

Thirty-one borings (GP-01 through GP-31) were advanced, with MFA oversight, to assess areas of concern where impacts below the surface may have occurred (e.g., USTs, fill material, and dry well; see Figure 2). Lithology was generally observed in 5-foot intervals. Boring logs are included as Appendix A. Soil headspace was screened for organic vapors, using a MiniRae 3000 photoionization detector (PID). Soil samples were selected for analysis, based on depth of historical feature and/or field observations (e.g., staining, odor, lithologic change, water table).

Reconnaissance groundwater samples were collected from boring locations GP-08 through GP-24, GP-26, and GP-27, approximately at the depth at which groundwater was first encountered. Samples were collected using a 4-foot-long, 1.5-inch-outside-diameter Geoprobe water sampler and new disposable tubing. Before groundwater sample collection, the borehole was purged, using a peristaltic pump. A minimum of 1.5 gallons of water was purged prior to sampling.

Seven monitoring wells (MW01 through MW07) were installed using a direct-push drilling rig with a 4-inch-outside-diameter casing. The wells were completed with 10-foot-long, prepacked well screens installed across the water table. Well construction details are shown on the boring logs in Appendix A. The wells were developed using an inertia pump (i.e., Waterra™) and a peristaltic pump until field parameters stabilized and turbidity decreased. Water levels were monitored using an electronic water level indicator, and groundwater samples were collected using a peristaltic pump.

Boreholes completed in the reported fill area and/or observed to have fill (GP-07, -09, -10, and -16) were field-screened for combustible gases, using a Landtec GEM2000+ combustible gas indicator, and for organic vapors using the PID. The screening was conducted using a post-run tubing (PRT) sampler with dedicated, disposable tubing and points.

Soil gas samples were collected for laboratory analysis from borings using the same PRT sampler procedures. The soil gas samples were collected for the following reasons: (1) to evaluate soil gas in the fill area (near GP-09, with the highest combustible gas reading) and (2) to evaluate potential off-property migration of soil gas in four borings near the perimeter of the Property (GP-28 through GP-31).

3.2 Data Usability

Analytical results collected during environmental investigations are reviewed for usability and are qualified consistent with USEPA procedures and appropriate laboratory and method-specific guidelines. Laboratory analytical reports and data review memoranda for the soil, groundwater, and soil gas data are provided in Appendices B and C, respectively.

Consistent with WAC 173-340-708(8), mixtures of carcinogenic PAHs (cPAHs) are considered as single hazardous substances when evaluating compliance with CULs such that the toxicity of a particular congener is expressed relative to the most toxic congener (i.e., benzo(a)pyrene). The toxicity of cPAHs as a group was assessed using a toxic equivalency approach. Each congener in the group is assigned a toxic equivalency factor (TEF) describing the toxicity of that congener relative to the toxicity of the reference compound, benzo(a)pyrene. For example, a congener that is equal in toxicity to benzo(a)pyrene would have a TEF of 1.0. Similarly, a congener that is half as toxic as benzo(a)pyrene would have a TEF of 0.5, and so on. Multiplying the concentration of a congener by its TEF produces the concentration of cPAH that is equivalent in toxicity to the congener concentration of concern, known as the toxicity equivalent concentration (TEC). Computing the TEC for each congener (C_i in the equation below) in a sample, followed by summing all TEC values, permits expression of all congener concentrations in terms of a total cPAH toxicity equivalent (TEQ) (i.e., cPAH TEQ):

$$\text{cPAH TEQ} = \sum_{i=1}^k C_i \times \text{TEF}_i$$

cPAH TEQs were qualified and calculated as follows:

- Congeners qualified as non-detect and flagged with a “U” are used in the TEQ calculation at one-half the associated value.
- Congeners qualified as estimated and flagged with a “J” are used without modification in the TEQ calculation.
- Congeners qualified as non-detect with an estimated limit (i.e., flagged with a “UJ”) are used in the TEQ calculation at one-half the associated value.
- If all congeners in a chemical group are undetected, the group sum is reported as undetected.

4 CONCEPTUAL SITE MODEL

The CSM describes potential chemical sources, release mechanisms, environmental transport processes, exposure routes, and receptors. The primary purpose of the CSM is to describe pathways by which human and ecological receptors could be exposed to site-related chemicals. A complete exposure pathway consists of four necessary elements: (1) a source and mechanism of chemical release to the environment, (2) an environmental transport medium for a released chemical, (3) a point of potential contact with the impacted medium (referred to as the exposure point), and (4) an exposure route (e.g., soil ingestion) at the exposure point. Elements of potentially complete exposure scenarios for human health and ecological receptors are discussed below and are presented in Figure 5.

4.1 Source Characterization

The chemicals of concern on the Property were related mainly to petroleum hydrocarbons. There are no known continuing sources of hazardous-substance releases at the Property, except for the fill material, which appears to be generating methane and organic soil gases. Based on previous investigations, the sources of the contaminants are most likely surface releases from former site operations and ASTs, materials dumped in the fill area, and subsurface releases from features such as the USTs and cisterns.

4.2 Fate and Transport of Contaminants

The primary mechanisms likely to influence the fate and transport of chemicals at the Property are natural biodegradation of organic chemicals, sorption to soil, advection and dispersion in groundwater, and leaching of chemicals from soil to groundwater. The relative importance of these processes will vary, depending on the chemical and physical properties of a released contaminant. The properties of soil and the dynamics of groundwater flow also shape contaminant fate and transport.

Most of the Property is currently unpaved, with historically localized pavement around the shop and office areas. Chemicals with relatively high solubility could leach from soil to pore water, and dissolved chemicals could be transported downward to local groundwater. However, based on groundwater results, it appears that this does not occur at a significant rate. Once in groundwater, dissolved contaminants could be transported by diffusion and advection away from the original source. Dispersion, retardation, and biodegradation act to reduce dissolved concentrations of chemicals in groundwater downgradient of the source area.

4.3 Potential Soil Exposure Scenarios

The Property is currently vacant and was formerly used for industrial purposes. Future use for the Property may be as a park. Therefore, it is possible that construction workers, commercial workers (e.g., maintenance crew), and recreationists will occupy the Property at some time in the foreseeable future.

The following future pathways are potentially complete human health exposure pathways:

On-site commercial workers—Commercial workers could occupy the Property in the future. It is assumed that future workers could contact chemicals in the top 15 feet of the current ground surface.

The pathways by which future workers could potentially be exposed to chemicals in soil include direct skin contact with soil, incidental ingestion of soil, and inhalation of soil particulates.

On-site construction workers—There are currently no construction workers including excavation and trench workers on the Property. However, construction activities likely will be performed as

part of property redevelopment. Construction workers could contact chemicals in soil through incidental ingestion, dermal contact, and inhalation of impacted soil particulates.

On-site recreational users—Future development is likely to include recreational park uses. The pathways by which a future recreational user could potentially be exposed to chemicals in surface soil include incidental ingestion, dermal contact, and inhalation of soil particulates.

Ecological receptors—Soil exposure for ecological receptors is present in Appendix D.

4.4 Soil Gas Exposure Scenarios

Analysis of a soil gas sample in the top 15 feet of soil in the fill area detected the presence of VOCs and methane above screening levels (SLs), which indicate that, if enclosed structures were built on the Property, the potential exists for vapors to intrude into buildings at unacceptable concentrations. Currently no structures are present on the Property; however, as part of the redevelopment of the Property as a park, a public restroom likely will be constructed. Therefore, it is possible that construction workers, commercial workers (e.g., maintenance crew), and recreationists will occupy the Property at some time in the foreseeable future. If a building is constructed in the future in the upland portion of the Property, it could present a potential exposure pathway via inhalation of chemicals migrating in the vapor phase into the building.

4.5 Potential Groundwater Exposure Scenarios

The depth to groundwater occurs between approximately 18 and 26 feet bgs in the upland operational area of the Property and approximately between 6 and 8 feet bgs in the lowland pasture area. Groundwater flows toward and is assumed to discharge to the Washougal River. Groundwater impacts are limited to petroleum hydrocarbons near the former diesel UST and arsenic beneath the fill material. The groundwater impacts are approximately 700 feet from the river. Groundwater is not used on the Property. Petroleum hydrocarbons do not reach the river and there are no surface water SLs for petroleum hydrocarbons. There is very little likelihood of human or ecological exposure to groundwater beneath the Property.

To prevent the exposure scenario in which groundwater would be used in the future, a restrictive covenant on groundwater use could be put in place for the Property.

4.6 Cleanup Standards

According to MTCA, the cleanup standards for a particular site have two primary components: chemical-specific CULs and POCs. The CUL is the concentration of a chemical in a specific environmental medium that will not pose unacceptable risks to human health or the environment. The POC is the location where the CUL must be met. Soil, soil gas, and groundwater CULs are shown in Tables 3 through 5, respectively.

4.6.1 Soil Cleanup Levels

MTCA provides three different options for establishing CULs for human health: Method A, Method B, and Method C. Method A is designed for cleanups at relatively simple sites, such as those that are small and that have only a few hazardous substances. For Methods B and C, either the standard or the modified approach can be used. The standard method uses generic default assumptions to calculate CULs, and the modified method allows for site-specific adjustments to some assumptions when calculating CULs. Method B can be used at any site. Method C is used primarily for industrial sites.

The Property historically has been used for industrial purpose, but it is anticipated that it will be used for unrestricted purposes (i.e., a park) in the future. The Property is impacted mainly with petroleum hydrocarbons and cPAHs. The impacts appear to be limited in extent. Therefore, with few exceptions, Method A CULs for unrestricted land use apply to soil and groundwater as the CULs for the site.

These CULs are calculated using reasonable maximum human health exposure assumptions with target risk levels set at the MTCA acceptable risk level. The MTCA Method A direct-contact CUL for arsenic is below natural background concentrations in soil. Therefore, the natural background concentration of arsenic in Western Washington of 5.81 milligrams per kilogram (mg/kg) (Washington State Department of Ecology [Ecology], 1994) is used as the CUL. In addition, VOCs and PAHs for which Method A CULs are not available were compared to Method B CULs.

Soil CULs for the protection of potable groundwater (leaching to groundwater pathway) are not recommended as potential cleanup targets for soil on the Property because empirical evidence indicates that soil impacts are not causing unacceptable groundwater concentrations, except where groundwater is in contact with soil impacts (e.g., former diesel UST).

4.6.1.1 Points of Compliance in Soil

The soil POC is the depth at which soil CULs shall be attained. The standard POC for soil is within 15 feet of the ground surface throughout the entire site. This standard POC applies to soil on the Property. Ecology allows a conditional POC to a depth of 6 feet for ecological receptors, if institutional controls are used as part of the cleanup action.

4.6.2 Soil Gas Cleanup Levels

The draft Method B SLs for soil gas beneath buildings are considered applicable for site data because the detections occur within the top 15 feet of the vadose zone.

4.6.2.1 Points of Compliance for Soil Gas

The POC for soil gas is the entire Property. A conditional POC may be established if it is not practicable to meet the CUL throughout the site within a reasonable restoration time frame (WAC 173-340-720(8)(c)).

4.6.3 Groundwater Cleanup Levels

Method A CULs are considered applicable for most chemicals because of the simplicity of the site (e.g., relatively few hazardous substances).

4.6.3.1 Points of Compliance in Groundwater

The POC for groundwater is the entire water-bearing zone at the Property (WAC 173-340-720(8)(b)). A conditional POC may be established if it is not practicable to meet the CUL throughout the site within a reasonable restoration time frame (WAC 173-340-720(8)(c)). A conditional POC must not exceed the property boundary. The proposed conditional POC for groundwater is in MW07, at the downgradient edge of impacts on the Property. Remedial alternatives may incorporate groundwater monitoring to evaluate stable or declining concentrations.

5 NATURE AND EXTENT

Soil, soil gas, and groundwater analytical results were compared to MTCA CULs and SLs, as described in Section 4, to evaluate the nature and extent of possible impacts in the areas of concern and to identify sources and IHSs on the Property. An IHS is defined as a chemical that has exceeded a CUL or SL at one or more locations at the site.

Note that diesel-range and heavy-oil-range hydrocarbon results were summed consistent with Ecology Implementation Memorandum #4 (Ecology, 2004). Therefore, the sum of diesel-range and heavy-oil-range hydrocarbons is referred to in this report as TPH. Also, consistent with MTCA Method A, the sum of 1-methylnaphthalene, 2-methylnaphthalene, and naphthalene is referred to in this report as naphthalenes and is compared to the MTCA Method A CUL.

5.1 Soil

Metals, VOCs, PAHs, and PCBs were not detected or were not detected above MTCA CULs in soil samples analyzed, except for cPAHs and naphthalenes (see Table 3). A soil sample from GP-22, located near the former wash pad southern settling tank, at 13.5 feet bgs had a cPAH TEQ of 228 micrograms per kilogram (ug/kg), just above the CUL of 100 ug/kg. cPAH concentrations from shallow and deep soil samples from GP-22 (5 feet and 18 feet bgs, respectively) did not exceed the CUL. The naphthalenes exceedance is related to a petroleum hydrocarbon exceedance described below.

Petroleum hydrocarbons were detected above CULs in two samples, GP-01 at 7.5 feet bgs and GP-15 at 2 feet bgs. Results from GP-01, located near the former diesel UST, were 4,023 mg/kg TPH and 272 mg/kg gasoline-range hydrocarbons at 7.5 feet bgs, above CULs. A shallow sample from GP-01 and deeper samples collected near GP-01 (i.e., GP-12, GP-18, GP-19, and GP-21) did not detect TPH or gasoline-range hydrocarbons above CULs. Similarly, the only petroleum

hydrocarbon constituent to exceed a CUL was naphthalenes at GP-01 at 7.5 feet bgs, but the shallow sample and samples in adjacent borings did not detect naphthalenes above the CUL.

The other petroleum hydrocarbon TPH CUL exceedance was 3,519 mg/kg at GP-15, near the former cistern, at 2.0 feet bgs. No petroleum hydrocarbons were detected at a deeper sample at 4.5 feet bgs from GP-15. Trenching was completed around GP-15 to investigate the extent of impacts; TPH results from all five soil samples were below the CUL of 2,000 mg/kg. Petroleum hydrocarbon constituents were not detected above CULs in the soil samples related to the former cistern.

5.1.1 Terrestrial Ecological Evaluation

A site-specific terrestrial ecological evaluation (TEE) was performed following the procedures outlined in WAC 173-340-7490 and WAC 173-340-7493. The purpose of this TEE is to present sufficient information to assess the ecological protectiveness of the remedial alternatives being evaluated for the Property (see WAC 173-340-7490(1)(b)). The TEE includes problem formulation and an ecological screening evaluation (WAC 173-340-7493(1)(c)), and is included as Appendix D.

The exposure routes assessed for this TEE include plant uptake of chemicals in soil, ingestion of soil, and ingestion of chemicals in plant material or prey.

The TEE found five sample locations exceeding soil biota ecological indicator concentrations (EICs) for diesel- and gasoline-range organics; these are discussed below in the context of the preferred cleanup Alternative 3 (see Sections 7 and 8 for details):

- **GP01-S-7.5 and GP18-S-7.5.** These locations would be removed as part of the former diesel UST soil removal action to approximately 15 feet below bgs.
- **GP15-S-2.0 and TP-S-3A.** These locations would be removed as part of the shallow soil removal (to approximately 5 feet bgs) near the water cistern.
- **SS01-S-0.0.** This location is near a former outfall and would not be removed under the preferred cleanup alternative designed for protective of human health.

To account for potential ecological risks at SS01-S-0.0, it is proposed that surface soils be excavated at this location. Note that the diesel-range organics concentration at this location (317 mg/kg) is marginally above the soil biota EIC of 200 mg/kg, and impacts likely are limited to surface deposition associated with the former outfall.

As summarized above, the proposed cleanup Alternative 3 and additional excavation at SS01-S-0.0 would account for EIC exceedances. Following implementation of these cleanup actions, unacceptable risk to ecological receptors would not be expected under current or future scenarios.

5.2 Soil Gas

Soil gas screening was initially conducted in borings GP-07, GP-09, GP-10, and GP-16, where fill material was suspected or observed. Combustible gas (e.g., methane) was identified in one location

(GP-09) at 1.8 percent and 5 percent, at 5 feet and 15 feet bgs, respectively. Organic vapors were detected in all borings at concentrations ranging from 1.8 parts per million (ppm) to 2,098 ppm. Field screening results are summarized in Table 4. It should be noted that soil gas screening readings were collected for qualitative evaluation of impacts.

Based on the soil gas field screening, a soil gas sample was collected at GP-25 at 15 feet bgs adjacent to GP-09 for analysis. Soil gas results from the sample collected at GP-25 in the fill material identified methane at 11 percent (above the lower explosive limit [LEL] of 5 percent) and benzene and vinyl chloride above the MTCA Method B soil gas SLs (see Table 4). Specific combustible gases, such as methane, are not regulated under MTCA. However, MTCA states that the standard Method B air CUL shall not exceed 10 percent of the LEL (or 0.5 percent volume) for any hazardous substance (e.g., petroleum hydrocarbons) or mixture of hazardous substances (WAC 173-340-750(3)(b)(iii)). Therefore, under MTCA, combustible gases are regulated as a percentage of the LEL.

In addition, the generation of methane and other combustible gases by the decomposition of solid waste is regulated under state solid waste regulations. Ecology has indicated that the solid waste regulations would be considered an Applicable or Relevant and Appropriate Requirement for a site regulated under MTCA. Under WAC 173-351-200, the concentration of methane gas generated by a solid waste facility should not exceed the LEL for methane (5 percent volume at the facility property boundary). Therefore, soil gas sampling was also completed at the property boundary (i.e., GP-28 through GP-31) to evaluate off-property migration of soil gas. The analytical results for methane, benzene, and vinyl chloride at the property boundary were below applicable LELs, CULs, or SLs (see Table 4).

5.3 Groundwater

The groundwater assessment was completed in two stages: (1) reconnaissance sampling from borings and (2) groundwater sampling from monitoring wells. The reconnaissance sampling was completed to understand potential impacts related to the areas of concern and to identify sources of groundwater impacts. After the sources and impacts were identified, monitoring wells were installed to collect representative samples of groundwater.

5.3.1 Reconnaissance Groundwater Samples

In the reconnaissance groundwater samples, cadmium, mercury, selenium, silver, gasoline-range hydrocarbons, VOCs, PAHs, and PCBs were not detected above CULs on the Property (see Table 5). In two areas of the Property (i.e., fill area and former diesel UST), metals and/or TPH were detected above CULs as described below:

- Fill area:
 - GP-09—TPH at 2.52 milligrams per liter (mg/L)
 - GP-10—arsenic at 0.02 mg/L
 - GP-13—arsenic, barium, chromium, and lead at 0.041 mg/L, 6.4 mg/L, 0.309 mg/L, and 0.149 mg/L, respectively

- Former diesel UST:
 - GP-08—TPH at 3.315 mg/L
 - GP-21—TPH at 2.123 mg/L

Petroleum hydrocarbon constituents were not detected above CULs in the reconnaissance groundwater samples. The elevated metals concentrations above MTCA Method A CULs may be associated with high turbidity in the reconnaissance borings.

5.3.2 Monitoring Well Sampling

Based on the results of the reconnaissance sampling, six monitoring wells were installed in and downgradient of the apparent sources, the former diesel UST (MW01 through MW03) and the fill area (MW04 through MW06). Groundwater samples were collected from monitoring wells MW01 through MW06 on March 18 and March 19, 2014. As described below, the initial sample results showed that the extent of impacts related to the former diesel UST were not defined, and therefore an additional downgradient monitoring well (i.e., MW07) was installed and sampled on July 16, 2014. The groundwater results are described below by source area.

The groundwater samples from the four wells around the former diesel UST were analyzed for TPH (see Figure 3). TPH was not detected in the samples from MW02 and MW07 (downgradient wells). TPH was detected in the sample near the former diesel UST from MW01 at 0.924 mg/L. TPH was also detected at 1.695 mg/L in MW03, located downgradient of MW01 and upgradient of MW07.

The groundwater samples from the three wells around the fill area were analyzed for metals (i.e., arsenic, barium, chromium, and lead) and TPH. The only compound detected above a CUL was arsenic at 6.18 micrograms per liter (ug/L) from MW04 (in the fill area), slightly above the CUL of 5 ug/L. The downgradient wells detected arsenic, but below the CUL. Note that WAC 173-340-720 stipulates that the true mean concentration shall be used to evaluate compliance with groundwater cleanup levels, provided the CUL is based on chronic or carcinogenic threats. The arsenic CUL is based on natural background concentrations in Washington (WAC 173-340-900, Table 720-1) and procedures for determining compliance for background-based CULs are not specified. The mean arsenic concentration in monitoring wells was therefore calculated to assess levels relative to the CUL. The mean concentration (2.31 ug/L) is well below the CUL of 5 ug/L.

In 2010, the MTCA Science Advisory Board reviewed a statewide dataset of groundwater data for arsenic (Ecology, 2010; San Juan, 2010). For this background study, arsenic study data were obtained from the Washington State Department of Health Drinking Water Program. A total of 18,238 groundwater sample results, collected over a ten-year period (2000 through 2010) from 6,776 drinking water wells (depths of 10 to 2,200 feet), were evaluated. Ecology used the MTCASat statistical software to estimate background arsenic concentrations, following the procedures specified in WAC 173-340-709. The review produced the following key results:

- Ecology estimated that, on a statewide basis, arsenic concentrations of 10.7 ug/L represent the 90th percentile of the sampling distribution for groundwater.
- High arsenic concentrations (> 25 ug/L) were detected in 12 western Washington counties including Clark County.

Arsenic concentrations in groundwater above the MTCA A CUL of 5 ug/L are limited to well MW04. Mean arsenic concentrations in groundwater (2.31 ug/L) are well below the CUL, new research indicates that a statewide background number is greater than the detection in MW04, and the impacts do not extend to the lowlands; therefore, groundwater beneath the fill material is not considered impacted by arsenic.

5.4 Summary of Site Investigation Conclusions

The site investigations found that the following areas of concern on the Property did not have significant releases of hazardous substances and are not considered sources:

- Pipe storage area
- AST building
- North shop
- Sandblasting area
- Oil USTs
- Dry well
- Miscellaneous areas 1, 2, 3, and 4

The areas of concern listed below have impacted media above CULs and/or SLs. The impacts are limited to the upland portion of the Property and are relatively limited in nature.

- **Water Cistern:** TPH impacts are present in shallow soil and are limited to a small area. No groundwater impacts due to this area of concern were identified.
- **Stormwater Outfall:** Diesel concentrations in surface soil at the SS-01 location adjacent to the stormwater outfall are just over the soil biota ecological SL. This is the only location on the Property where human health CULs are not exceeded or remedial options are not considered, but there is an ecological concern.
- **Wash Pad Settling Tanks:** cPAH impacts are present in deep soil (i.e., 13.5 feet bgs) but are not present in shallow or deeper soil or in groundwater.

- **Former Diesel UST:** Soil is impacted with TPH and naphthalenes. The extent of the soil impacts is limited to the immediate vicinity of the former UST and is in deeper soil (7.5 feet bgs). Groundwater is impacted with TPH, and concentrations increase slightly at the nearest downgradient well (MW03); however, no TPH was detected at the farthest downgradient well in the lowlands (MW07). The groundwater impacts are limited to the Property and do not reach the Washougal River. The removals of the UST and impacted soil may have resulted in lower concentrations in proximity to the source.
- **Fill Area:** Soil gas results in the fill material identified methane above the LEL and benzene and vinyl chloride above SLs. The soil gas impacts do not extend to the property boundary.

6 DEVELOPMENT OF CLEANUP ACTION ALTERNATIVES

Soil and groundwater concentrations in the established POC that exceed applicable CULs will be addressed in some manner (e.g., removal, institutional controls, treatment, monitored natural recovery).

The sections below outline the technology screening conducted and the proposed alternatives to be evaluated.

6.1 Technology Screening

A preliminary screening of applicable technologies was completed, based on technologies discussed in the Federal Remediation Technologies Roundtable Screening Matrix (FRTR, 2008), as well as on commonly used remediation methods. Technologies retained for further consideration in cleanup alternatives include the following:

- **Natural Attenuation:** Natural attenuation, to the extent it is occurring on site, is kept as a technology; however, it is not relied on for completion of a remedial action at the site. Biodegradation of petroleum hydrocarbons is expected. Several studies have indicated that, given adequate oxygen, petroleum concentrations are reduced considerably with distance from source and over time (API, 2002); however, the significance and rate of natural attenuation at the site are unknown.
- **Excavation and Off-Site Disposal:** Excavation would remove from the site all or some of the soil exceeding CULs. With excavation and off-site disposal, contaminated material is removed and transported to permitted, off-site disposal facilities.
- **Engineered Cap:** Capping is a very common form of remediation because it effectively manages the potential human and ecological risks associated with impacted surface and subsurface soil by preventing exposure and is generally less expensive than other

technologies. Cap design is site-specific and depends on site conditions, exposure pathways, and the intended function. Engineered caps can range from a one-layer system of vegetated soil to a complex, multilayer system of soil and geosynthetics or other impermeable barriers. For this site, an engineered cap would be used to prevent contact with impacted soil and thus minimize exposure to IHSs. The engineered cap could consist of a pervious or impervious material. A monitoring and maintenance program would be implemented to ensure the integrity of the engineered cap over time.

- **In Situ Groundwater Treatment:** In situ groundwater treatment treats the groundwater in place. This method introduces chemical compounds into the contamination plume, often by injection, to reduce the contaminant concentrations. The injected chemical is often an oxidizing compound, which is effective on hydrocarbon (fuel) contamination. Effectiveness can also increase over time with the use of enhanced bioremediation, as discussed in the paragraph below. This process is often cost effective, but does not guarantee that concentration levels will be reduced to CULs.
- **Ex Situ Groundwater Treatment:** Ex situ groundwater treatment requires removal of the groundwater, treatment and then discharge of the treated groundwater to an acceptable and permitted location. The primary reasons for removing groundwater are hydraulic containment and mass removal of concentrations in groundwater. Extraction wells are installed in the area to be contained and/or treated and pumped to an above-ground treatment system. Hydraulic containment systems can require indefinite treatment duration and may require design modifications after its initial startup. A treatment system at the site would likely involve carbon adsorption to treat petroleum hydrocarbons.
- **Enhanced Bioremediation:** Bioremediation is a process in which microorganisms degrade organic contaminants, converting them to innocuous end products. Nutrients, oxygen, or other amendments may be used to enhance bioremediation and contaminant desorption from subsurface materials in either aerobic or anaerobic conditions. Bioremediation typically is used for some PAHs, nonhalogenated semivolatile organic compounds, and BTEX (benzene, toluene, ethylbenzene, and xylene) contaminants. It is generally not effective where free product is present, in the vadose zone, or for inorganic contaminants. Bioremediation injections generally are easily implementable.
- **Institutional Controls:** Deed notifications (e.g., restrictive covenant) are required to reduce or prevent future exposure of receptors to soil containing residual IHSs at concentrations above relevant CULs. Deed notifications inform potential purchasers of the site of the presence of IHSs in soil, soil gas, and/or groundwater, and may limit activities or land use at the site as well as defining requirements for future site redevelopment activities.

Deed restrictions require that future redevelopment activities at the site comply with a soil management plan (SMP). An SMP guides future on-site and off-site activities that could potentially encounter impacted soil. The SMP outlines specific requirements for managing soil on site as part of future redevelopment. Waste-disposal requirements and sampling and analysis requirements are also addressed in the plan.

6.2 Cleanup Alternatives

This section summarizes five remedial alternatives for addressing the contamination identified at the Property. These alternatives represent the most likely cleanup scenarios and encompass a range from limited to very extensive remedial actions.

The cleanup alternatives focus on soil impacted by petroleum hydrocarbons, naphthalenes, and cPAHs; soil gas impacted by methane, benzene, and vinyl chloride; and groundwater impacted by TPH.

6.2.1 Alternative 1: No Action

The Property will remain in its current state.

6.2.2 Alternative 2: Soil Removal, Capping, Groundwater Monitoring, and Institutional Controls

Alternative 2 includes the following components:

- Remedial actions:
 - Shallow soil impacts near water cistern and outfall: Excavate impacted soil to approximately 5 feet bgs at the water cistern (222 cubic yards) and the stormwater outfall (5 cubic yards), characterize, and dispose of at a Resource Conservation and Recovery Act (RCRA) Subtitle D landfill. Backfill with clean, imported fill to existing ground surface and compact.
 - Excavate deeper soil impacts near the former diesel UST to approximately 15 feet bgs (667 cubic yards), characterize, and dispose of at a RCRA Subtitle D landfill. Deploy an ORC (oxygen-releasing compound) at the excavation base to enhance bioremediation of the contaminated soil and groundwater prior to backfilling. Backfill with clean, imported fill to existing ground surface and compact.
- Institutional controls:
 - Deeper soil impacts near southern wash pad settling tank: Impacts are isolated near these features and are covered by more than 6 feet of clean soil and separated from groundwater by more than 10 feet. The clean soil cover acts as a cap preventing contact by human and environmental receptors. Prepare soil management and cap maintenance plan for future users of the Property. Areas with soil impacts will require the cap to remain in place. Capping options include maintaining a minimum cover of clean soil with a delineation barrier, concrete/asphalt paving, or a structure. An environmental covenant will be required for the Property, memorializing long-term management of the impacts. Cap monitoring and maintenance are assumed for 30 years.

- An environmental covenant for the Property would require new enclosed structures in the upland area to be constructed with passive vapor mitigation or confirmation that soil vapor is no longer an environmental concern.
- Place an environmental covenant on the Property prohibiting the use of groundwater beneath the Property as potable water.
- Compliance monitoring:
 - Groundwater monitoring will be conducted at and downgradient of the source area (former diesel UST) at a conditional POC (MW02, MW03, and MW07) to confirm concentrations are stable or declining. For the purposes of the cost estimate, groundwater monitoring is assumed for 30 years—quarterly for the first year, semiannual for two years, and every 18 months until the fifteenth year, with a confirmation event conducted in the twentieth, twenty-fifth, and thirtieth years.

6.2.3 Alternative 3: Shallow Soil Removal, Capping, and In Situ Groundwater Treatment

Alternative 3 includes the same remedial actions and institutional controls as Alternative 2 with the addition of in situ groundwater treatment instead of ORC application at the base of the excavation, as discussed below. This alternative also reduces the expected length of groundwater monitoring. The Alternative 3 components modified from Alternative 2 are as follows:

- Remedial actions:
 - Use in situ groundwater treatment near former diesel UST, using injection points and an oxidizing agent to enhance bioremediation of hydrocarbon contamination in groundwater.
- Compliance monitoring:
 - Groundwater monitoring will be conducted at and downgradient of the source area (former diesel UST) at a conditional POC (MW02, MW03, and MW07) to confirm concentrations are stable or declining. For the purposes of the cost estimate, groundwater monitoring is assumed for 5 years—quarterly for the first year, semiannual for four years.

6.2.4 Alternative 4: Soil Removal to CULs and In Situ Groundwater Treatment

Alternative 4 includes the same remedial actions as Alternative 3 with the addition of soil removal near the former southern wash pad settling tank, as discussed below. This alternative eliminates the need for a soil institutional control. The Alternative 4 components that are modified from Alternative 3 are as follows:

- Remedial actions:
 - Excavate deeper soil impacts near the southern wash pad settling tank to approximately 15 feet bgs (667 cubic yards), characterize, and dispose of at a RCRA Subtitle D landfill. Backfill with clean, imported fill to existing ground surface and compact.

6.2.5 Alternative 5: Soil Removal to CULs and Ex Situ Groundwater Treatment

Alternative 5 includes the same remedial actions as Alternative 4 with removal of groundwater and on-site treatment rather than bioremediation injections. The Alternative 5 components modified from Alternative 4 are as follows:

- Remedial actions:
 - Pump and treat impacted groundwater in the area of the former diesel tank. For the purposes of the cost estimate, it is assumed that the groundwater treatment system will include activated carbon and will be operated for ten years to achieve groundwater CULs.
- Compliance monitoring:
 - Groundwater monitoring will be conducted at and downgradient of the source area (former diesel UST) at a conditional POC (MW02, MW03, and MW07) to confirm concentrations are stable or declining. For the purposes of the cost estimate, groundwater monitoring is assumed for 11 years—quarterly for the first year, semiannual for nine years, and quarterly on the eleventh year.

7 EVALUATION OF ALTERNATIVES

7.1 MTCA Threshold Requirements

Cleanup actions are subject to the threshold requirements set forth in WAC 173-340-360(2)(a). Under the threshold requirements, the cleanup action shall:

- Protect human health and the environment.
- Comply with cleanup standards.
- Comply with applicable state and federal laws.
- Provide for compliance monitoring.

Alternatives 2 through 5 would reduce or eliminate risk due to contaminated soil through removal or a combination of removal, capping, and treatment. They would eliminate exposure pathways and protect human health and the environment and would comply with cleanup standards.

The selected CULs are consistent with MTCA. Additionally, local, state, and federal laws related to environmental protection, health and safety, transportation, and disposal would apply to each proposed alternative. During remedial design, the selected alternative would be designed to comply with applicable, relevant, and appropriate requirements.

There are three types of compliance monitoring: protection, performance, and confirmational. Protection monitoring is designed to protect human health and the environment during the construction and operation and maintenance phases of the cleanup action. Performance monitoring confirms that the cleanup action has met cleanup and/or performance standards. Confirmational monitoring confirms the long-term effectiveness of the cleanup action once cleanup standards have been met or other performance standards have been attained. The cleanup alternatives will meet this provision, as they will incorporate varying levels of monitoring.

7.2 Evaluation Factors

MTCA states that when selecting a cleanup alternative, preference shall be given to “permanent solutions to the maximum extent practicable.” “Permanent” is defined in WAC 173-340-200 as a cleanup action in which the cleanup standards of WAC 173-340-700 through 760 are met without further action being required at the site being cleaned up or at any other site involved with the cleanup action, other than the approved disposal of any residue from the treatment of hazardous substances.

In order to determine the “maximum extent practicable” for each alternative, a disproportionate-cost analysis outlined in WAC 173-340-360(3)(e) is used. Costs are determined to be disproportionate to benefits if the incremental cost of a more expensive alternative over that of a lower-cost alternative exceeds the incremental degree of benefits achieved by the more expensive alternative. As outlined in WAC 173-340-360(3)(f), the evaluation criteria used were a mix of qualitative and quantitative factors, including protectiveness, permanence, cost effectiveness over the long term, management of short-term risks, technical and administrative implementability, and consideration of public concerns.

The cleanup alternatives are evaluated by the criteria below. See Table 6 for a qualitative ranking of evaluation factors.

7.2.1 Protectiveness

Protectiveness is a factor by which human health and the environment are protected by the cleanup action, including the degree to which existing risks are reduced; time required to reduce risk at the facility and attain cleanup standards; on-site and off-site risks resulting from implementing the cleanup action alternative; and improvement of the overall environmental quality. With the exception of Alternative 1, the cleanup alternatives are protective. Alternative 2 has an average rating for protectiveness, as human and ecological exposure to all soil exceeding CULs is minimized by either removal of the soil from the site or capping in place. Alternatives 3 and 4 also address soil exceeding CULs by either removal from the site or capping in place, but, compared to Alternative 2, they hasten the groundwater remediation through in situ injections. The additional deeper

excavation in Alternative 4 slightly increases the protectiveness of the remedy. Alternative 5 has an equivalent level of protectiveness as Alternative 4.

7.2.2 Permanence

Permanence is a factor by which the cleanup action alternative permanently reduces the toxicity, mobility, or volume of hazardous substances. It takes into account the adequacy of the alternative in destroying the hazardous substances, the reduction or elimination of hazardous substance releases and sources of releases, the degree of irreversibility of the waste-treatment process, and the characteristics and quantity of treatment residuals generated. Removal of soil would be considered the most permanent soil action because it would permanently eliminate the source of releases at the Property. Alternatives that include less soil removal would be equivalently less permanent because they would rely on institutional controls, which could be violated or removed from the site in the future. Additionally, the increase in groundwater treatment potentially lessens the future need for institutional controls on groundwater.

7.2.3 Effectiveness over Long Term

Long-term effectiveness includes the degree of certainty that the alternative will be successful; the reliability of the alternative for the expected duration of hazardous substances remaining on site at concentrations that exceed CULs; the magnitude of residual risk with the alternative in place; and the effectiveness of controls required to manage treatment residues or remaining wastes. Long-term effectiveness of Alternatives 4 and 5 would be considered highest as in-situ treatment will address petroleum hydrocarbon concentrations in groundwater and there is no reliance on institutional controls for soil. Alternative 3 is ranked marginally lower as in-situ treatment will address petroleum hydrocarbon concentrations in groundwater and there is reliance on institutional controls for deeper residual soil contamination. Alternative 2 addresses higher exceedances in soil and, to some degree, groundwater through backfilling in with a remediation product.

7.2.4 Management of Short-Term Risks

Short-term risks to remediation workers, the public, and the environment are assessed under this criterion. Generally, short-term risks are expected to be linearly related to the amount of material handled, treated, and/or transported and disposed of (e.g., worker injury per cubic yard excavated [equipment failure], public exposure per cubic yard-mile transported [highway accident]).

This factor addresses the risk to human health and the environment associated with the alternative during construction and implementation, and the effectiveness of measures that will be taken to manage such risks. Potential public exposure during transport, handling, and excavation required for the alternatives could lead to short-term risks. Alternatives 2 and 3 have the same amount of soil handling and are ranked equally. Alternative 4 is ranked lower, as more soil handling is necessary. Alternative 5 is ranked lower as the Alternative requires a treatment system with contaminated groundwater to be present on site for a longer duration. Alternative 1 is ranked the lowest because no soil is removed and therefore risks to the public and the environment, although relatively minimal, are left unaddressed.

7.2.5 Technical and Administrative Implementability

This factor addresses whether the alternative can be implemented and is technically possible. The availability of necessary materials, regulatory requirements, scheduling, access for construction operations and monitoring, and integration with existing and neighboring site uses must be considered. The in situ treatment in Alternatives 3 and 4 are slightly more difficult to implement compared to the more straightforward dig and haul in Alternative 2. Alternative 5 is feasible to implement but is difficult in comparison due to the initial system installation and the ongoing maintenance typically required with pump-and-treat systems.

7.2.6 Public Concerns

This factor includes considering concerns from individuals, community groups, local governments, tribes, federal and state agencies, and any other organization that may have an interest in or knowledge of the site and that may have a preferred alternative. Through the public process, the public will have an opportunity to review and comment on plans.

7.3 Disproportionate-Cost Analysis

In accordance with WAC 173-340-360(3)(e), the most practicable permanent solution evaluated will be the baseline cleanup action alternative to which the other cleanup action alternatives are compared. On this basis, Alternative 2 is the baseline alternative for this analysis. Table 6 summarizes the comparative analysis, with individual alternatives' cost estimates in Tables 7 through 10. Each alternative was given a rating between 1 and 5 (5 being optimal, 1 being inadequate). Where there were only slight differences, fractional ratings were applied.

Based on these criteria, Alternative 1 has a rating of 1.8, Alternative 2 has a rating of 3.3, Alternatives 3 and 5 have a rating of 3.5, and Alternative 4 has a rating of 3.8 (see Table 6). Evaluating the above factors with the estimated cost for each alternative, the benefits associated with Alternative 4 are not disproportionate to the cost. The alternative eliminates the need for an institutional control associated with soil via excavation and off-site disposal and will mitigate petroleum hydrocarbon concentrations in groundwater.

8 RECOMMENDATION

8.1 Proposed Alternative

Alternative 4 addresses areas of concern (former diesel UST, outfall, southern wash pad settling tank, water cistern) via remedial actions and addresses residual groundwater and potential soil gas issues via institutional controls. Alternative 4 is the most protective and permanent. The cost is reasonable for the amount of environmental benefit.

8.2 Remedial Design Data Needs

Groundwater monitoring is continuing at the site. This data along with additional analytical data, will be used to and verification of the conceptual design inputs and refine will inform the in situ injections design. Of interest are baseline aquifer conditions and to assess the total demand for oxygen in the treatment area including field redox parameters (e.g., pH, temperature, dissolved oxygen, oxidation reduction potential, turbidity), total dissolved iron and manganese, chemical oxygen demand, biochemical oxygen demand, and methane.

LIMITATIONS

The services undertaken in completing 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, or the use of segregated portions of this report.

REFERENCES

API. 2002. Evaluating hydrocarbon removal from source zones and its effect on dissolved plume longevity and magnitude. Publication Number 4715. American Petroleum Institute. September.

Ecology. 1994. Natural background soil metals concentrations in Washington State. Publication 94-115. Washington State Department of Ecology, Toxics Cleanup Program. October.

Ecology. 2004. Memorandum (re: determining compliance with Method A cleanup levels for diesel and heavy oil) to file. Implementation memorandum #4. Prepared by T. Nord, Washington State Department of Ecology. June.

Ecology. 2010. Draft revisions—MTCA Method A groundwater cleanup levels. Discussion materials prepared for the MTCA/SMS Advisory Group. Washington State Department of Ecology. June.

FRTR. 2008. Technology screening matrix. Federal Remediation Technologies Roundtable. <http://www.frtr.gov/scrntools.htm> (accessed November 3, 2010). July 14.

PBS. 2010a. Phase I environmental site assessment. George Schmid and Sons, Inc., 1411 32nd Street, Washougal, Washington 98671. Prepared for Schmid Family Limited Partnership. PBS Engineering + Environmental, Inc. July.

PBS. 2010b. Draft construction oversight report. George Schmid and Sons, Inc., 1411 32nd Street, Washougal, Washington 98671. Prepared for Schmid Family Limited Partnership. PBS Engineering + Environmental, Inc. September.

TABLES



Table 1
Groundwater Field Parameters
32nd Street Property
George Schmid and Sons, Inc.

Location	MW01	MW02	MW03	MW04	MW05	MW06	MW07
Date Collected	03/19/2014	03/19/2014	03/18/2014	03/18/2014	03/18/2014	03/18/2014	07/16/2014
Depth (ft bgs)	12.77	24.25	26.34	16.98	6.67	4.81	10.18
Groundwater Parameters							
pH (SU)	5.9	6.1	6.29	6.61	6.19	6.12	6.12
Temp (°C)	11.36	11.91	12.2	12.09	11.63	11.98	14.9
Conductivity (uS/cm)	195	205	202	1064	155	156	195
Dissolved Oxygen (mg/L)	2.14	3.6	4.78	0.27	3.01	2.98	2.25
eH (mV)	-62.4	-148.6	126	-44.8	-164.9	-178.4	155.7
Turbidity (NTU)	8.8	1.95	6.94	8.52	2.5	3.98	3.01
Flowrate (l/min)	0.2	0.2	0.2	0.2	0.3	0.2	0.1
Purge Volume (gal)	5	3	5	7	8	8	4
Water Elevation^a							
Measuring Point Elevation (ft NAVD)	85.45	88.88	87.74	86.74	63.30	61.06	65.97
Depth to Water (ft MPE)	17.43	27.80	26.00	19.72	9.61	7.60	10.18
Water Elevation (ft NAVD)	68.02	61.08	61.74	67.02	53.69	53.46	55.79
NOTES: ^a Depth to water were measured on July 15, 2014. °C = degrees Celsius. eH = oxidation reduction potential. ft bgs = feet below ground surface. mg/L = milligrams per liter. mV = millivolts. MPE = measuring point elevation. NTU = nephelometric turbidity units. NAVD = North American Vertical Datum of 1988. SU = standard units. uS/cm = microsiemens per centimeter.							

Table 2
Data Gaps and Data Quality Objectives
32nd Street Property
George Schmid and Sons, Inc.

Operations/Area of Concern	Data Quality Objectives	Sample Location Identifications (Collocated)	Chemicals of Concern	No. of Soil Samples	No. of GW Samples	No. of Soil Gas Samples
Outfall pipe from Shop	Assess soil for chemicals of concern.	SS-01	TPH and metals	1	0	0
Former main office, shop, and pipe storage area	Assess soil for chemicals of concern.	SS-02 through SS-16	TPH and metals	15	0	0
	Assess groundwater for chemical of concern.	GP-26 and GP-27	Diesel and heavy oil	0	2	0
Impacts to soil from sump/dry well receiving part-cleaning fluids	Assess soil and groundwater for chemicals of concern.	GP-03, GP-04, GP-05, and GP16	TPH, metals, and VOCs	8	1	2
Three historical USTs decommissioned in the 1980s with no records	Assess soil and groundwater for chemicals of concern.	GP-02, GP-06, GP-11, GP-12, and GP-17	TPH and metals	8	2	0
Fill material—unknown origin; vehicle wash rinsate discharged directly to the ground; releases associated with washpad observed or confirmed	Assess soil and groundwater for chemicals of concern.	GP-07 Through GP-10, GP-13, GP-14, and GP15.	Landfill gas, VOCs, TPH, and metals	14	6	4
Southern oil UST	Quantify petroleum hydrocarbons in surface soil.	SS-17	Diesel and heavy oil	1	0	0
Oil/water separator outfall	Assess soil for chemicals of concern.	SS-18	Gasoline, diesel, and heavy oil	1	0	0
Sandblasting activities	Assess soil for chemicals of concern.	GP-07	TPH, metals, and VOCs	2	0	0
Former diesel UST	Delineate extent of petroleum hydrocarbons in soil and potentially in groundwater.	GP-01, GP-12, GP-18, GP-19, GP-20, GP-21	Diesel and gasoline	12	5	0
	Delineate extent of impacts in groundwater, define groundwater flow direction, and establish point of compliance monitoring locations.	MW-1, MW-2, MW-3, and MW-7	Diesel and heavy oil	0	4	0
Southern washpad settling tank	Assess soil for petroleum hydrocarbon impacts.	GP-22	Gasoline, diesel, and heavy oil	3	0	0
Fill material	Evaluate extent of metals in groundwater downgradient of GP-10 and GP-13.	GP-23	Metals	0	1	0
	Evaluate extent of diesel and heavy oil in groundwater downgradient of GP-09.	GP-24	Diesel and heavy oil	0	1	0
	Assess chemicals of concern in soil gas.	GP-25	NMOCs, methane, hydrogen sulfide	0	0	1
	Assess extent of soil gas near property boundaries.	GP-28 through GP-31	Methane, benzene, vinyl chloride	0	0	4
	Establish monitoring location in source area.	MW-4	Diesel, oil, arsenic, barium, chromium, and lead	0	1	0
	Define groundwater flow direction and establish point of compliance monitoring locations.	MW-5 and MW-6		0	2	0

Table 2
Data Gaps and Data Quality Objectives
32nd Street Property
George Schmid and Sons, Inc.

NOTES:

Sample numbers, analyses, sampling depths, and recommended number of analyses may change based on field conditions.

GW = groundwater.

NMOC = nonmethane organic compounds (trichlorofluoromethane, trichloroethylene, benzene, vinyl chloride, toluene, perchloroethylene, ethylbenzene, propane, methylene chloride, and total xylenes).

TPH = Total petroleum hydrocarbons.

UST = underground storage tank.

VOC = volatile organic compound.

Table 3
Soil Analytical Results
32nd Street Property
George Schmid and Sons, Inc.

Location Sample Name: Date Collected Depth (feet bgs)			GP-01		GP-02		GP-03		GP-04		GP-05		GP-06	GP-07	
			GP01-S-0.0	GP01-S-7.5	GP02-S-0.0	GP02-S-7.5	GP03-S-1.0	GP03-S-4.0	GP04-S-1.0	GP04-S-4.0	GP05-S-1.0	GP05-S-5.0	GP06-S-1.0	GP07-S-0.0	GP07-S-4.0
			04/18/2012	04/18/2012	04/18/2012	04/18/2012	04/19/2012	04/20/2012	04/19/2012	04/20/2012	04/19/2012	04/20/2012	04/18/2012	04/27/2012	04/20/2012
			0	7.5	0	7.5	1	4	1	4	1	5	1	0	4
Analyte	Method A CULs	Method B CULs													
Metals (mg/kg)															
Arsenic	20	5.81 ^a	2.13 U	3.85	2.45 U	2.62 U	6.91	6.92	2.25 U	6.49	2.28 U	5.36	2.36 U	2.39	2.47
Barium	NV	16000	126	400	309	319	246	266	190	321	158	239	220	130	222
Cadmium	2	80	0.107 U	0.125 U	0.123 U	0.131 U	0.109 U	0.122 U	0.113 U	0.131 U	0.194	0.124 U	0.118 U	0.267	0.105 U
Chromium	2000 ^b	120000 ^b	9.42	30.1	22.3	28	23.7	21	17.9	21.4	19.9	21	15.9	6.19	17
Lead	250	NV	2.98	2.7	5.33	4.19	47.8	3.53	6.83	3.27	208	5.48	2.36 U	37.9	2.14
Mercury	2	NV	0.017 U	0.0221 U	0.0215	0.0227 U	0.0257	0.0494	0.0227	0.0314	0.0521	0.0281	0.0199 U	0.0164 U	0.0218
Selenium	NV	400	2.13 U	2.49 U	2.45 U	2.62 U	2.18 U	2.43 U	2.25 U	2.61 U	2.28 U	2.48 U	2.36 U	2.14 U	2.1 U
Silver	NV	400	2.13 U	2.49 U	2.45 U	2.62 U	2.18 U	2.43 U	2.25 U	2.61 U	2.28 U	2.48 U	2.36 U	2.8	2.61
Volatile Organic Compounds (ug/kg)															
1,1,1,2-Tetrachloroethane	NV	38000	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
1,1,1-Trichloroethane	2000	160000000	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
1,1,2,2-Tetrachloroethane	NV	5000	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
1,1,2-Trichloroethane	NV	18000	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
1,1-Dichloroethane	NV	180000	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
1,1-Dichloroethene	NV	4000000	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
1,1-Dichloropropene	NV	NV	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
1,2,3-Trichlorobenzene	NV	NV	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.59
1,2,3-Trichloropropane	NV	33	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
1,2,4-Trichlorobenzene	NV	34000	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
1,2,4-Trimethylbenzene	NV	NV	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
1,2-Dibromo-3-chloropropane	NV	1300	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
1,2-Dibromoethane	5	500	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
1,2-Dichlorobenzene	NV	7200000	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
1,2-Dichloroethane	NV	11000	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
1,2-Dichloropropane	NV	28000	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
1,3,5-Trimethylbenzene	NV	800000	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
1,3-Dichlorobenzene	NV	NV	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
1,3-Dichloropropane	NV	NV	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
1,4-Dichlorobenzene	NV	190000	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
2,2-Dichloropropane	NV	NV	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
2-Butanone	NV	48000000	41.9 U	52.4 UJ	--	--	39.6 U	40.7 U	39.9 U	41.2 U	36.2 U	40.6 U	--	38.5 U	37 U
2-Chlorotoluene	NV	1600000	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
2-Hexanone	NV	NV	21 U	26.2 UJ	--	--	19.8 U	20.3 U	20 U	20.6 U	18.1 U	20.3 U	--	19.2 U	18.5 U
4-Chlorotoluene	NV	NV	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
4-Isopropyltoluene	NV	NV	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
4-Methyl-2-pentanone	NV	6400000	41.9 U	52.4 UJ	--	--	39.6 U	40.7 U	39.9 U	41.2 U	36.2 U	40.6 U	--	38.5 U	37 U
Acetone	NV	72000000	105 U	131 UJ	--	--	99.1 U	102 U	99.8 U	103 U	90.6 U	152	--	96.2 U	92.6 U
Benzene	30	18000	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
Bromobenzene	NV	NV	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U

Table 3
Soil Analytical Results
32nd Street Property
George Schmid and Sons, Inc.

Location Sample Name: Date Collected Depth (feet bgs)			GP-01		GP-02		GP-03		GP-04		GP-05		GP-06	GP-07	
			GP01-S-0.0	GP01-S-7.5	GP02-S-0.0	GP02-S-7.5	GP03-S-1.0	GP03-S-4.0	GP04-S-1.0	GP04-S-4.0	GP05-S-1.0	GP05-S-5.0	GP06-S-1.0	GP07-S-0.0	GP07-S-4.0
			04/18/2012	04/18/2012	04/18/2012	04/18/2012	04/19/2012	04/20/2012	04/19/2012	04/20/2012	04/19/2012	04/20/2012	04/18/2012	04/27/2012	04/20/2012
			0	7.5	0	7.5	1	4	1	4	1	5	1	0	4
Analyte	Method A CULs	Method B CULs													
Bromodichloromethane	NV	16000	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
Bromoform	NV	130000	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
Bromomethane	NV	110000	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
Carbon disulfide	NV	8000000	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
Carbon tetrachloride	NV	14000	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
Chlorobenzene	NV	1600000	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
Chlorobromomethane	NV	NV	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
Chloroethane	NV	NV	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
Chloroform	NV	32000	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
Chloromethane	NV	NV	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
cis-1,2-Dichloroethene	NV	160000	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
cis-1,3-Dichloropropene	NV	NV	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
Dibromochloromethane	NV	12000	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
Dibromomethane	NV	800000	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
Dichlorodifluoromethane	NV	16000000	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
Ethylbenzene	6000	8000000	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
Hexachlorobutadiene	NV	13000	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
Isopropylbenzene	NV	8000000	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
m,p-Xylene	9000	16000000	21 U	26.2 UJ	--	--	19.8 U	20.3 U	20 U	20.6 U	18.1 U	20.3 U	--	19.2 U	18.5 U
Methyl tert-butyl ether	100	560000	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
Methylene chloride	20	480000	52.4 U	65.5 UJ	--	--	49.6 U	50.9 U	49.9 U	51.5 U	45.3 U	50.7 U	--	48.1 U	46.3 U
Naphthalene	5000	1600000	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
n-Butylbenzene	NV	NV	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.69
n-Hexane	NV	4800000	--	13.1 UJ	--	--	--	--	--	--	--	--	--	--	--
n-Propylbenzene	NV	8000000	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
o-Xylene	9000	16000000	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
sec-Butylbenzene	NV	NV	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
Styrene	NV	16000000	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
tert-Butylbenzene	NV	NV	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
Tetrachloroethene	50	480000	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
Toluene	7000	6400000	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
trans-1,2-Dichloroethene	NV	1600000	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
trans-1,3-Dichloropropene	NV	NV	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
Trichloroethene	30	11000	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
Trichlorofluoromethane	NV	24000000	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
Vinyl chloride	NV	670	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--	9.62 U	9.26 U
Polycyclic Aromatic Hydrocarbons (ug/kg)															
1-Methylnaphthalene	NV	35000	7.69 U	6280 J	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	NV	320000	7.69 U	4780 J	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	NV	4800000	7.69 U	490 J	--	--	--	--	--	--	--	--	--	--	--

Table 3
Soil Analytical Results
32nd Street Property
George Schmid and Sons, Inc.

Location Sample Name: Date Collected Depth (feet bgs)			GP-01		GP-02		GP-03		GP-04		GP-05		GP-06	GP-07	
			GP01-S-0.0	GP01-S-7.5	GP02-S-0.0	GP02-S-7.5	GP03-S-1.0	GP03-S-4.0	GP04-S-1.0	GP04-S-4.0	GP05-S-1.0	GP05-S-5.0	GP06-S-1.0	GP07-S-0.0	GP07-S-4.0
			04/18/2012	04/18/2012	04/18/2012	04/18/2012	04/19/2012	04/20/2012	04/19/2012	04/20/2012	04/19/2012	04/20/2012	04/18/2012	04/27/2012	04/20/2012
			0	7.5	0	7.5	1	4	1	4	1	5	1	0	4
Analyte	Method A CULs	Method B CULs													
Acenaphthylene	NV	NV	7.69 U	8.81 UJ	--	--	--	--	--	--	--	--	--	--	--
Anthracene	NV	24000000	7.69 U	332 J	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	NV	1400	7.69 U	40.5 J	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	100	140	7.69 U	8.81 UJ	--	--	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	NV	1400	7.69 U	8.81 UJ	--	--	--	--	--	--	--	--	--	--	--
Benzo(ghi)perylene	NV	NV	7.69 U	8.81 UJ	--	--	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	NV	14000	7.69 U	8.81 UJ	--	--	--	--	--	--	--	--	--	--	--
Chrysene	NV	140000	7.69 U	24.6 J	--	--	--	--	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	NV	140	7.69 U	8.81 UJ	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	NV	3200000	7.69 U	135 J	--	--	--	--	--	--	--	--	--	--	--
Fluorene	NV	3200000	7.69 U	1380 J	--	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	NV	1400	7.69 U	8.81 UJ	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	5000	1600000	7.69 U	276 J	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	NV	NV	16.1	4590 J	--	--	--	--	--	--	--	--	--	--	--
Pyrene	NV	2400000	7.69 U	408 J	--	--	--	--	--	--	--	--	--	--	--
Naphthalenes	5000 ^c	1600000 ^c	11.5 U	11336 J	--	--	--	--	--	--	--	--	--	--	--
Carcinogenic PAH TEQ	100	140	5.81 U	10.5	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls (ug/kg)															
Aroclor 1016	NV	5600	0.384 U	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	NV	NV	0.384 U	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	NV	NV	0.384 U	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	NV	NV	0.384 U	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	NV	NV	0.384 U	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	NV	500	0.384 U	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	NV	500	0.384 U	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	NV	NV	0.384 U	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	NV	NV	0.384 U	--	--	--	--	--	--	--	--	--	--	--	--
Total Aroclors	1000	500	ND	--	--	--	--	--	--	--	--	--	--	--	--
Hydrocarbon Identification (Presence/Absence)															
Diesel	NV	NV	DETECT	DETECT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gasoline	NV	NV	ND	DETECT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Kerosene	NV	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heavy Oil	NV	NV	ND	ND	ND	ND	ND	ND	ND	ND	DETECT	ND	ND	ND	ND
Mineral Spirits	NV	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diesel and Heavy Oil (mg/kg)															
Diesel	2000	NV	79.5	3990	--	--	--	--	--	--	79.4	--	--	--	--
Lube Oil	2000	NV	57.6 U	66 U	--	--	--	--	--	--	356	--	--	--	--
TPH	2000	NV	108.3	4023	--	--	--	--	--	--	435.4	--	--	--	--
Gasoline (mg/kg)															
Gasoline	100	NV	--	272	--	--	--	--	--	--	--	--	--	--	--

Table 3
Soil Analytical Results
32nd Street Property
George Schmid and Sons, Inc.

Location Sample Name: Date Collected Depth (feet bgs)			GP-08		GP-09		GP-10		GP-11		GP-12		GP-13		GP-14		
			GP08-S-0.0	GP08-S-4.0	GP09-S-3.0	GP09-S-14.0	GP10-S-0.0	GP10-S-8.5	GP11-S-1.0	GP11-S-7.5	GP12-S-0.0	GP12-S-7.5	GP13-S-4.0	GP13-S-13.0	GP14-S-0.0	GP14-S-4.0	GP14-S-8.5
			04/27/2012	04/20/2012	04/20/2012	04/20/2012	04/27/2012	04/20/2012	04/18/2012	04/18/2012	04/18/2012	04/18/2012	04/20/2012	04/20/2012	04/27/2012	04/19/2012	04/19/2012
			0	4	3	14	0	8.5	1	7.5	0	7.5	4	13	0	4	8.5
Analyte	Method A CULs	Method B CULs															
Metals (mg/kg)																	
Arsenic	20	5.81 ^a	12.6	2.12 U	2.15 U	9.26	2.16 U	5.67	2.42 U	2.59 U	2.48 U	3.44	1.97 U	3.37	1.97 U	2.14	2.51 U
Barium	NV	16000	198	149	218	165	190	110	274	355	304	560	153	194	75.5	206	281
Cadmium	2	80	0.225	0.106 U	0.14	0.121	0.108 U	0.101 U	0.121 U	0.13 U	0.124 U	0.129 U	0.099 U	0.13 U	0.099 U	0.101	0.125 U
Chromium	2000 ^b	120000 ^b	24.2	16.8	14.8	19.8	18.1	18.3	22.2	24.6	21.7	24.4	9.17	16.5	3.62	23.3	21.1
Lead	250	NV	21	2.12 U	21.8	7.96	2.16 U	2.02 U	9.68	3.77	2.48 U	2.57 U	2.39	17.2	1.97 U	124	26
Mercury	2	NV	0.0754	0.0267	0.0211	0.037	0.0158	0.022	0.0223	0.0232	0.0183 U	0.0202 U	0.052	0.0586	0.0151	0.0587	0.0384
Selenium	NV	400	2.04 U	2.12 U	2.15 U	2.21 U	2.16 U	2.02 U	2.42 U	2.59 U	2.48 U	2.57 U	1.97 U	2.61 U	1.97 U	2.02 U	2.51 U
Silver	NV	400	2.2	1.98	3.82	2.33	2.16	2.65	3.12	2.59 U	2.48 U	2.57 U	3.8	2.61 U	1.97 U	2.02 U	2.51 U
Volatile Organic Compounds (ug/kg)																	
1,1,1,2-Tetrachloroethane	NV	38000	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--	9.49 U	9.69 U	9.71 U	9.21 U	449 U
1,1,1-Trichloroethane	2000	160000000	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	449 U	--	--	--	--	845 U	9.69 U	9.71 U	460 U	449 U
1,1,2,2-Tetrachloroethane	NV	5000	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--	9.49 U	9.69 U	9.71 U	9.21 U	449 U
1,1,2-Trichloroethane	NV	18000	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--	9.49 U	9.69 U	9.71 U	9.21 U	449 U
1,1-Dichloroethane	NV	180000	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	449 U	--	--	--	--	845 U	9.69 U	9.71 U	460 U	449 U
1,1-Dichloroethene	NV	4000000	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	449 U	--	--	--	--	845 U	9.69 U	9.71 U	460 U	449 U
1,1-Dichloropropene	NV	NV	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	449 U	--	--	--	--	845 U	9.69 U	9.71 U	460 U	449 U
1,2,3-Trichlorobenzene	NV	NV	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--	9.49 U	9.69 U	9.71 U	9.21 U	449 U
1,2,3-Trichloropropane	NV	33	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--	9.49 U	9.69 U	9.71 U	9.21 U	449 U
1,2,4-Trichlorobenzene	NV	34000	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--	9.49 U	9.69 U	9.71 U	9.21 U	449 U
1,2,4-Trimethylbenzene	NV	NV	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--	9.49 U	9.69 U	9.71 U	9.21 U	449 U
1,2-Dibromo-3-chloropropane	NV	1300	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--	9.49 U	9.69 U	9.71 U	9.21 U	449 U
1,2-Dibromoethane	5	500	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--	9.49 U	9.69 U	9.71 U	9.21 U	449 U
1,2-Dichlorobenzene	NV	7200000	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--	9.49 U	9.69 U	9.71 U	9.21 U	449 U
1,2-Dichloroethane	NV	11000	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	449 U	--	--	--	--	845 U	9.69 U	9.71 U	460 U	449 U
1,2-Dichloropropane	NV	28000	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	449 U	--	--	--	--	845 U	9.69 U	9.71 U	460 U	449 U
1,3,5-Trimethylbenzene	NV	800000	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--	9.49 U	9.69 U	9.71 U	9.21 U	449 U
1,3-Dichlorobenzene	NV	NV	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--	9.49 U	9.69 U	9.71 U	9.21 U	449 U
1,3-Dichloropropane	NV	NV	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--	9.49 U	9.69 U	9.71 U	9.21 U	449 U
1,4-Dichlorobenzene	NV	190000	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--	9.49 U	9.69 U	9.71 U	9.21 U	449 U
2,2-Dichloropropane	NV	NV	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	449 U	--	--	--	--	845 U	9.69 U	9.71 U	460 U	449 U
2-Butanone	NV	48000000	38.5 U	42.4 U	36.9 U	40.6 U	44.6 U	1800 U	--	--	--	--	3380 U	38.7 U	38.8 U	36.8 U	1800 U
2-Chlorotoluene	NV	1600000	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--	9.49 U	9.69 U	9.71 U	9.21 U	449 U
2-Hexanone	NV	NV	19.2 U	21.2 U	18.5 U	20.3 U	22.3 U	18 U	--	--	--	--	19 U	19.4 U	33.6	18.4 U	898 U
4-Chlorotoluene	NV	NV	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--	9.49 U	9.69 U	9.71 U	9.21 U	449 U
4-Isopropyltoluene	NV	NV	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--	9.49 U	9.69 U	9.71 U	9.21 U	449 U
4-Methyl-2-pentanone	NV	6400000	38.5 U	42.4 U	36.9 U	40.6 U	44.6 U	36 U	--	--	--	--	38 U	38.7 U	38.8 U	36.8 U	1800 U
Acetone	NV	72000000	96.1 U	106 U	92.4 U	102 U	112 U	4490 U	--	--	--	--	8450 U	96.9 U	97.1 U	4600 U	4490 U
Benzene	30	18000	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	449 U	--	--	--	--	845 U	9.69 U	9.71 U	460 U	449 U
Bromobenzene	NV	NV	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--	9.49 U	9.69 U	9.71 U	9.21 U	449 U

Table 3
Soil Analytical Results
32nd Street Property
George Schmid and Sons, Inc.

Location Sample Name: Date Collected Depth (feet bgs)			GP-08		GP-09		GP-10		GP-11		GP-12		GP-13		GP-14		
			GP08-S-0.0	GP08-S-4.0	GP09-S-3.0	GP09-S-14.0	GP10-S-0.0	GP10-S-8.5	GP11-S-1.0	GP11-S-7.5	GP12-S-0.0	GP12-S-7.5	GP13-S-4.0	GP13-S-13.0	GP14-S-0.0	GP14-S-4.0	GP14-S-8.5
			04/27/2012	04/20/2012	04/20/2012	04/20/2012	04/27/2012	04/20/2012	04/18/2012	04/18/2012	04/18/2012	04/18/2012	04/20/2012	04/20/2012	04/27/2012	04/19/2012	04/19/2012
			0	4	3	14	0	8.5	1	7.5	0	7.5	4	13	0	4	8.5
Analyte	Method A CULs	Method B CULs															
Bromodichloromethane	NV	16000	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	449 U	--	--	--	--	845 U	9.69 U	9.71 U	460 U	449 U
Bromoform	NV	130000	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--	9.49 U	9.69 U	9.71 U	9.21 U	449 U
Bromomethane	NV	110000	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	449 U	--	--	--	--	845 U	9.69 U	9.71 U	460 U	449 U
Carbon disulfide	NV	8000000	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	449 U	--	--	--	--	845 U	9.69 U	9.71 U	460 U	449 U
Carbon tetrachloride	NV	14000	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	449 U	--	--	--	--	845 U	9.69 U	9.71 U	460 U	449 U
Chlorobenzene	NV	1600000	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--	9.49 U	9.69 U	9.71 U	9.21 U	449 U
Chlorobromomethane	NV	NV	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	449 U	--	--	--	--	845 U	9.69 U	9.71 U	460 U	449 U
Chloroethane	NV	NV	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	449 U	--	--	--	--	845 U	9.69 U	9.71 U	460 U	449 U
Chloroform	NV	32000	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	449 U	--	--	--	--	845 U	9.69 U	9.71 U	460 U	449 U
Chloromethane	NV	NV	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	449 U	--	--	--	--	845 U	9.69 U	9.71 U	460 U	449 U
cis-1,2-Dichloroethene	NV	160000	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--	845 U	9.69 U	9.71 U	460 U	449 U
cis-1,3-Dichloropropene	NV	NV	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--	845 U	9.69 U	9.71 U	460 U	449 U
Dibromochloromethane	NV	12000	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--	9.49 U	9.69 U	9.71 U	9.21 U	449 U
Dibromomethane	NV	800000	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	449 U	--	--	--	--	845 U	9.69 U	9.71 U	460 U	449 U
Dichlorodifluoromethane	NV	16000000	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	449 U	--	--	--	--	845 U	9.69 U	9.71 U	460 U	449 U
Ethylbenzene	6000	8000000	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--	9.49 U	9.69 U	9.71 U	9.21 U	449 U
Hexachlorobutadiene	NV	13000	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--	9.49 U	9.69 U	9.71 U	9.21 U	449 U
Isopropylbenzene	NV	8000000	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--	9.49 U	9.69 U	9.71 U	9.21 U	449 U
m,p-Xylene	9000	16000000	19.2 U	21.2 U	18.5 U	20.3 U	22.3 U	18 U	--	--	--	--	19 U	19.4 U	19.4 U	18.4 U	898 U
Methyl tert-butyl ether	100	560000	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	449 U	--	--	--	--	845 U	9.69 U	9.71 U	460 U	449 U
Methylene chloride	20	480000	48.1 U	53 U	46.2 U	50.8 U	55.8 U	2250 U	--	--	--	--	4220 U	48.4 U	48.6 U	2300 U	2240 U
Naphthalene	5000	1600000	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--	9.49 U	9.69 U	9.71 U	9.21 U	449 U
n-Butylbenzene	NV	NV	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--	9.49 U	9.69 U	9.71 U	9.21 U	449 U
n-Hexane	NV	4800000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Propylbenzene	NV	8000000	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--	9.49 U	9.69 U	9.71 U	9.21 U	449 U
o-Xylene	9000	16000000	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--	9.49 U	9.69 U	9.71 U	9.21 U	449 U
sec-Butylbenzene	NV	NV	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--	9.49 U	9.69 U	9.71 U	9.21 U	449 U
Styrene	NV	16000000	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--	9.49 U	9.69 U	9.71 U	9.21 U	449 U
tert-Butylbenzene	NV	NV	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--	9.49 U	9.69 U	9.71 U	9.21 U	449 U
Tetrachloroethene	50	480000	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--	9.49 U	9.69 U	9.71 U	9.21 U	449 U
Toluene	7000	6400000	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--	9.49 U	9.69 U	9.71 U	9.21 U	449 U
trans-1,2-Dichloroethene	NV	1600000	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	449 U	--	--	--	--	845 U	9.69 U	9.71 U	460 U	449 U
trans-1,3-Dichloropropene	NV	NV	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--	9.49 U	9.69 U	9.71 U	9.21 U	449 U
Trichloroethene	30	11000	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	449 U	--	--	--	--	845 U	9.69 U	9.71 U	460 U	449 U
Trichlorofluoromethane	NV	24000000	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	449 U	--	--	--	--	845 U	9.69 U	9.71 U	460 U	449 U
Vinyl chloride	NV	670	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	449 U	--	--	--	--	845 U	9.69 U	9.71 U	460 U	449 U
Polycyclic Aromatic Hydrocarbons (ug/kg)																	
1-Methylnaphthalene	NV	35000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	NV	320000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	NV	4800000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 3
Soil Analytical Results
32nd Street Property
George Schmid and Sons, Inc.

Location Sample Name: Date Collected Depth (feet bgs)			GP-08		GP-09		GP-10		GP-11		GP-12		GP-13		GP-14		
			GP08-S-0.0	GP08-S-4.0	GP09-S-3.0	GP09-S-14.0	GP10-S-0.0	GP10-S-8.5	GP11-S-1.0	GP11-S-7.5	GP12-S-0.0	GP12-S-7.5	GP13-S-4.0	GP13-S-13.0	GP14-S-0.0	GP14-S-4.0	GP14-S-8.5
			04/27/2012	04/20/2012	04/20/2012	04/20/2012	04/27/2012	04/20/2012	04/18/2012	04/18/2012	04/18/2012	04/18/2012	04/20/2012	04/20/2012	04/27/2012	04/19/2012	04/19/2012
			0	4	3	14	0	8.5	1	7.5	0	7.5	4	13	0	4	8.5
Analyte	Method A CULs	Method B CULs															
Acenaphthylene	NV	NV	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Anthracene	NV	24000000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	NV	1400	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	100	140	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	NV	1400	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(ghi)perylene	NV	NV	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	NV	14000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	NV	140000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	NV	140	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	NV	3200000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluorene	NV	3200000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	NV	1400	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	5000	1600000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	NV	NV	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyrene	NV	2400000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalenes	5000 ^c	1600000 ^c	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carcinogenic PAH TEQ	100	140	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls (ug/kg)																	
Aroclor 1016	NV	5600	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	NV	NV	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	NV	NV	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	NV	NV	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	NV	NV	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	NV	500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	NV	500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	NV	NV	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	NV	NV	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Aroclors	1000	500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hydrocarbon Identification (Presence/Absence)																	
Diesel	NV	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	DETECT	DETECT	ND	ND	DETECT
Gasoline	NV	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Kerosene	NV	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heavy Oil	NV	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	DETECT	DETECT	DETECT	ND	DETECT
Mineral Spirits	NV	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diesel and Heavy Oil (mg/kg)																	
Diesel	2000	NV	--	--	--	--	--	--	--	--	--	--	241	19.5 U	--	--	80.6
Lube Oil	2000	NV	--	--	--	--	--	--	--	--	--	--	258	139	--	--	206
TPH	2000	NV	--	--	--	--	--	--	--	--	--	--	499	148.75	--	--	286.6
Gasoline (mg/kg)																	
Gasoline	100	NV	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 3
Soil Analytical Results
32nd Street Property
George Schmid and Sons, Inc.

Location Sample Name: Date Collected Depth (feet bgs)			GP-15		GP-16		GP-17	GP18	GP19	GP20	GP22			SS-01
			GP15-S-2.0	GP15-S-4.5	GP16-S-1.0	GP16-S-14.0	GP17-S-1.0	GP18-S-7.5	GP19-S-12	GP20-S-7.5	GP22-S-5	GP22-S-13.5	GP22-S-18	32ND ST-SS01-S-0.0
			04/19/2012	04/19/2012	04/19/2012	04/19/2012	04/18/2012	10/14/2013	10/14/2013	10/15/2013	10/11/2013	10/11/2013	10/11/2013	04/12/2012
			2	4.5	1	14	1	7.5	12	7.5	5	13.5	18	0
Analyte	Method A CULs	Method B CULs												
Metals (mg/kg)														
Arsenic	20	5.81 ^a	2.19	6.57	6.12	4.12	3.86	--	--	--	--	--	--	2.39 U
Barium	NV	16000	185	184	231	84.2	320	--	--	--	--	--	--	66
Cadmium	2	80	0.454	0.125 U	0.127 U	0.118 U	0.11 U	--	--	--	--	--	--	0.203
Chromium	2000 ^b	120000 ^b	22.1	20.9	25.9	17.4	15	--	--	--	--	--	--	12.3
Lead	250	NV	51.8	4.32	124	4.19	3.89	--	--	--	--	--	--	14.6
Mercury	2	NV	0.0478	0.0325	0.0297	0.0174 U	0.0205 U	--	--	--	--	--	--	0.0266
Selenium	NV	400	2.06 U	2.5 U	2.55 U	2.37 U	2.19 U	--	--	--	--	--	--	2.39 U
Silver	NV	400	2.06 U	2.5 U	2.55 U	2.37 U	2.19 U	--	--	--	--	--	--	2.39 U
Volatile Organic Compounds (ug/kg)														
1,1,1,2-Tetrachloroethane	NV	38000	9.29 U	562 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
1,1,1-Trichloroethane	2000	160000000	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
1,1,2,2-Tetrachloroethane	NV	5000	9.29 U	12.9	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
1,1,2-Trichloroethane	NV	18000	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
1,1-Dichloroethane	NV	180000	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
1,1-Dichloroethene	NV	4000000	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
1,1-Dichloropropene	NV	NV	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
1,2,3-Trichlorobenzene	NV	NV	9.29 U	562 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
1,2,3-Trichloropropane	NV	33	9.29 U	562 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
1,2,4-Trichlorobenzene	NV	34000	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
1,2,4-Trimethylbenzene	NV	NV	9.29 U	562 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
1,2-Dibromo-3-chloropropane	NV	1300	9.29 U	562 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
1,2-Dibromoethane	5	500	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
1,2-Dichlorobenzene	NV	7200000	9.29 U	562 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
1,2-Dichloroethane	NV	11000	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
1,2-Dichloropropane	NV	28000	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
1,3,5-Trimethylbenzene	NV	800000	9.29 U	562 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
1,3-Dichlorobenzene	NV	NV	9.29 U	562 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
1,3-Dichloropropane	NV	NV	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
1,4-Dichlorobenzene	NV	190000	9.29 U	562 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
2,2-Dichloropropane	NV	NV	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
2-Butanone	NV	48000000	37.2 U	45 U	38.7 U	39.5 U	--	--	--	--	--	--	--	56.5 UR
2-Chlorotoluene	NV	1600000	9.29 U	562 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
2-Hexanone	NV	NV	18.6 U	22.5 U	19.3 U	19.7 U	--	--	--	--	--	--	--	28.3 UR
4-Chlorotoluene	NV	NV	9.29 U	562 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
4-Isopropyltoluene	NV	NV	9.29 U	562 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
4-Methyl-2-pentanone	NV	6400000	37.2 U	45 U	38.7 U	39.5 U	--	--	--	--	--	--	--	56.5 UR
Acetone	NV	72000000	92.9 U	112 U	96.7 U	98.7 U	--	--	--	--	--	--	--	225 R
Benzene	30	18000	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
Bromobenzene	NV	NV	9.29 U	562 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR

Table 3
Soil Analytical Results
32nd Street Property
George Schmid and Sons, Inc.

Location Sample Name: Date Collected Depth (feet bgs)			GP-15		GP-16		GP-17	GP18	GP19	GP20	GP22			SS-01
			GP15-S-2.0	GP15-S-4.5	GP16-S-1.0	GP16-S-14.0	GP17-S-1.0	GP18-S-7.5	GP19-S-12	GP20-S-7.5	GP22-S-5	GP22-S-13.5	GP22-S-18	32ND ST-SS01-S-0.0
			04/19/2012	04/19/2012	04/19/2012	04/19/2012	04/18/2012	10/14/2013	10/14/2013	10/15/2013	10/11/2013	10/11/2013	10/11/2013	04/12/2012
			2	4.5	1	14	1	7.5	12	7.5	5	13.5	18	0
Analyte	Method A CULs	Method B CULs												
Bromodichloromethane	NV	16000	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
Bromoform	NV	130000	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
Bromomethane	NV	110000	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
Carbon disulfide	NV	8000000	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
Carbon tetrachloride	NV	14000	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
Chlorobenzene	NV	1600000	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
Chlorobromomethane	NV	NV	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
Chloroethane	NV	NV	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
Chloroform	NV	32000	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
Chloromethane	NV	NV	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
cis-1,2-Dichloroethene	NV	160000	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
cis-1,3-Dichloropropene	NV	NV	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
Dibromochloromethane	NV	12000	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
Dibromomethane	NV	800000	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
Dichlorodifluoromethane	NV	16000000	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
Ethylbenzene	6000	8000000	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
Hexachlorobutadiene	NV	13000	9.29 U	562 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
Isopropylbenzene	NV	8000000	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
m,p-Xylene	9000	16000000	18.6 U	22.5 U	19.3 U	19.7 U	--	--	--	--	--	--	--	28.3 UR
Methyl tert-butyl ether	100	560000	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
Methylene chloride	20	480000	46.4 U	56.2 U	48.4 U	49.4 U	--	--	--	--	--	--	--	70.7 UR
Naphthalene	5000	1600000	9.29 U	562 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
n-Butylbenzene	NV	NV	9.29 U	562 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
n-Hexane	NV	4800000	--	--	--	--	--	--	--	--	--	--	--	14.1 UR
n-Propylbenzene	NV	8000000	9.29 U	562 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
o-Xylene	9000	16000000	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
sec-Butylbenzene	NV	NV	9.29 U	562 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
Styrene	NV	16000000	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
tert-Butylbenzene	NV	NV	9.29 U	562 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
Tetrachloroethene	50	480000	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
Toluene	7000	6400000	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
trans-1,2-Dichloroethene	NV	1600000	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
trans-1,3-Dichloropropene	NV	NV	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
Trichloroethene	30	11000	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
Trichlorofluoromethane	NV	24000000	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
Vinyl chloride	NV	670	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--	--	--	--	--	14.1 UR
Polycyclic Aromatic Hydrocarbons (ug/kg)														
1-Methylnaphthalene	NV	35000	10.4	--	--	--	--	--	--	--	75.8 J	79 J	41.1 J	8.76 UR
2-Methylnaphthalene	NV	320000	15.2	--	--	--	--	--	--	--	104 J	73.1 J	60 J	8.76 UR
Acenaphthene	NV	4800000	7.98 U	--	--	--	--	--	--	--	9.06 J	17.6 J	8.57 UJ	8.76 UR

Table 3
Soil Analytical Results
32nd Street Property
George Schmid and Sons, Inc.

Location Sample Name: Date Collected Depth (feet bgs)			GP-15		GP-16		GP-17	GP18	GP19	GP20	GP22			SS-01
			GP15-S-2.0	GP15-S-4.5	GP16-S-1.0	GP16-S-14.0	GP17-S-1.0	GP18-S-7.5	GP19-S-12	GP20-S-7.5	GP22-S-5	GP22-S-13.5	GP22-S-18	32ND ST-SS01-S-0.0
			04/19/2012	04/19/2012	04/19/2012	04/19/2012	04/18/2012	10/14/2013	10/14/2013	10/15/2013	10/11/2013	10/11/2013	10/11/2013	04/12/2012
			2	4.5	1	14	1	7.5	12	7.5	5	13.5	18	0
Analyte	Method A CULs	Method B CULs												
Acenaphthylene	NV	NV	15.2	--	--	--	--	--	--	--	8.24 UJ	160 J	9.43 J	8.76 UR
Anthracene	NV	24000000	7.98 U	--	--	--	--	--	--	--	22.2 J	165 J	22.3 J	8.76 UR
Benzo(a)anthracene	NV	1400	7.98 U	--	--	--	--	--	--	--	46.1 J	141 J	29.1 J	8.76 UR
Benzo(a)pyrene	100	140	7.98 U	--	--	--	--	--	--	--	8.24 UJ	223 J	19.7 J	8.76 UR
Benzo(b)fluoranthene	NV	1400	7.98 U	--	--	--	--	--	--	--	18.1 J	200 J	31.7 J	8.76 UR
Benzo(ghi)perylene	NV	NV	7.98 U	--	--	--	--	--	--	--	30.5 J	308 J	31.7 J	8.76 UR
Benzo(k)fluoranthene	NV	14000	7.98 U	--	--	--	--	--	--	--	8.24 UJ	82.3 J	8.57 UJ	8.76 UR
Chrysene	NV	140000	7.98 U	--	--	--	--	--	--	--	27.2 J	316 J	34.3 J	8.76 UR
Dibenzo(a,h)anthracene	NV	140	7.98 U	--	--	--	--	--	--	--	8.24 UJ	8.41 UJ	8.57 UJ	8.76 UR
Fluoranthene	NV	3200000	54.3	--	--	--	--	--	--	--	102 J	324 J	49.7 J	20.1 R
Fluorene	NV	3200000	7.98 U	--	--	--	--	--	--	--	28 J	49.6 J	15.4 J	8.76 UR
Indeno(1,2,3-cd)pyrene	NV	1400	7.98 U	--	--	--	--	--	--	--	8.24 UJ	192 J	19.7 J	8.76 UR
Naphthalene	5000	1600000	12.8	--	--	--	--	--	--	--	8.24 UJ	47.9 J	58.3 J	8.76 UR
Phenanthrene	NV	NV	22.3	--	--	--	--	--	--	--	100 J	501 J	71.1 J	8.76 UR
Pyrene	NV	2400000	71.8	--	--	--	--	--	--	--	166 J	460 J	76.3 J	28.9 R
Naphthalenes	5000 ^c	1600000 ^c	38.4	--	--	--	--	--	--	--	184 UJ	200 J	159 J	13.1 UR
Carcinogenic PAH TEQ	100	140	6.02 U	--	--	--	--	--	--	--	12.0 J	288 J	29.0 J	6.61 U
Polychlorinated Biphenyls (ug/kg)														
Aroclor 1016	NV	5600	0.399 U	--	--	--	--	--	--	--	0.411 UJ	0.420 UJ	0.428 UJ	0.437 U
Aroclor 1221	NV	NV	0.399 U	--	--	--	--	--	--	--	0.411 UJ	0.420 UJ	0.428 UJ	0.437 U
Aroclor 1232	NV	NV	0.399 U	--	--	--	--	--	--	--	0.411 UJ	0.420 UJ	0.428 UJ	0.437 U
Aroclor 1242	NV	NV	0.399 U	--	--	--	--	--	--	--	0.411 UJ	0.420 UJ	0.428 UJ	0.437 U
Aroclor 1248	NV	NV	0.399 U	--	--	--	--	--	--	--	0.411 UJ	0.420 UJ	0.428 UJ	0.437 U
Aroclor 1254	NV	500	12.7	--	--	--	--	--	--	--	0.411 UJ	0.420 UJ	0.428 UJ	0.437 U
Aroclor 1260	NV	500	0.399 U	--	--	--	--	--	--	--	0.411 UJ	0.420 UJ	0.428 UJ	0.437 U
Aroclor 1262	NV	NV	0.399 U	--	--	--	--	--	--	--	0.411 UJ	0.420 UJ	0.428 UJ	0.437 U
Aroclor 1268	NV	NV	0.399 U	--	--	--	--	--	--	--	0.411 UJ	0.420 UJ	0.428 UJ	0.437 U
Total Aroclors	1000	500	12.7	--	--	--	--	--	--	--	ND	ND	ND	ND
Hydrocarbon Identification (Presence/Absence)														
Diesel	NV	NV	DETECT	ND	ND	ND	ND	--	--	--	ND	ND	--	DETECT
Gasoline	NV	NV	ND	ND	ND	ND	ND	--	--	--	ND	ND	--	ND
Kerosene	NV	NV	ND	ND	ND	ND	ND	--	--	--	ND	ND	--	ND
Heavy Oil	NV	NV	DETECT	ND	ND	ND	ND	--	--	--	DETECT	DETECT	--	DETECT
Mineral Spirits	NV	NV	ND	ND	ND	ND	ND	--	--	--	ND	ND	--	ND
Diesel and Heavy Oil (mg/kg)														
Diesel	2000	NV	669	--	--	--	--	364	17.7 U	20.8 U	18.5 UJ	18.9 UJ	19.3 UJ	317
Lube Oil	2000	NV	2850	--	--	--	--	68.2 U	59.1 U	69.3 U	198 J	905 J	637 J	1470
TPH	2000	NV	3519	--	--	--	--	398	ND	ND	207 J	914 J	647 J	1787
Gasoline (mg/kg)														
Gasoline	100	NV	--	--	--	--	--	34.5 J	2.96 UJ	3.47 UJ	--	--	--	--

Table 3
Soil Analytical Results
32nd Street Property
George Schmid and Sons, Inc.

Location Sample Name: Date Collected Depth (feet bgs)			SS-02	SS-03	SS-04	SS-05	SS-06	SS-07	SS-08	SS-09	SS-10	SS-11
			32ND ST-SS02-S-0.0	32ND ST-SS03-S-0.0	32NDST-SS-04-S-0.0	32ND ST-SS05-S-0.0	32ND ST-SS06-S-0.0	32ND ST-SS07-S-0.0	32ND ST-SS08-S-0.0	32ND ST-SS09-S-0.0	32ND ST-SS10-S-0.0	32NDST-SS-11-S-0.0
			04/12/2012	04/12/2012	04/13/2012	04/12/2012	04/12/2012	04/12/2012	04/12/2012	04/12/2012	04/12/2012	04/13/2012
			0	0	0	0	0	0	0	0	0	0
Analyte	Method A CULs	Method B CULs										
Metals (mg/kg)												
Arsenic	20	5.81 ^a	2.32 U	2.45	2.04 U	1.96 U	2.16 U	2.22 U	1.79 U	2.53 U	2.13 U	2.22 U
Barium	NV	16000	217	126	98.5	72.4	86.7	89.7	76.2	322	78.3	134
Cadmium	2	80	0.116 U	0.109 U	0.102 U	0.098 U	0.173	0.111 U	0.089 U	0.127 U	0.107 U	0.111 U
Chromium	2000 ^b	120000 ^b	16	50.8	7.95	5.81	15.4	6.96	7.38	24.6	13.4	15.1
Lead	250	NV	3.57	7.25	2.04 U	7.74	29.1	2.34	2.64	15.9	2.13	7.89
Mercury	2	NV	0.0419	0.0296	0.0145 U	0.0187 U	0.0169 U	0.0161 U	0.0154 U	0.0517	0.0736	0.0208
Selenium	NV	400	2.32 U	2.19 U	2.04 U	1.96 U	2.16 U	2.22 U	1.79 U	2.53 U	2.13 U	2.22 U
Silver	NV	400	2.32 U	2.19 U	2.28	1.96 U	2.16 U	2.49	2.12	2.84	3.51	2.22 U
Volatile Organic Compounds (ug/kg)												
1,1,1,2-Tetrachloroethane	NV	38000	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	2000	160000000	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	NV	5000	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	NV	18000	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	NV	180000	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	NV	4000000	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	NV	NV	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	NV	NV	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	NV	33	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	NV	34000	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	NV	NV	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	NV	1300	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	5	500	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	NV	7200000	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	NV	11000	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	NV	28000	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	NV	800000	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	NV	NV	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	NV	NV	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	NV	190000	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	NV	NV	--	--	--	--	--	--	--	--	--	--
2-Butanone	NV	48000000	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	NV	1600000	--	--	--	--	--	--	--	--	--	--
2-Hexanone	NV	NV	--	--	--	--	--	--	--	--	--	--
4-Chlorotoluene	NV	NV	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	NV	NV	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone	NV	6400000	--	--	--	--	--	--	--	--	--	--
Acetone	NV	72000000	--	--	--	--	--	--	--	--	--	--
Benzene	30	18000	--	--	--	--	--	--	--	--	--	--
Bromobenzene	NV	NV	--	--	--	--	--	--	--	--	--	--

Table 3
Soil Analytical Results
32nd Street Property
George Schmid and Sons, Inc.

Location Sample Name: Date Collected Depth (feet bgs)			SS-02	SS-03	SS-04	SS-05	SS-06	SS-07	SS-08	SS-09	SS-10	SS-11
			32ND ST-SS02-S-0.0	32ND ST-SS03-S-0.0	32NDST-SS-04-S-0.0	32ND ST-SS05-S-0.0	32ND ST-SS06-S-0.0	32ND ST-SS07-S-0.0	32ND ST-SS08-S-0.0	32ND ST-SS09-S-0.0	32ND ST-SS10-S-0.0	32NDST-SS-11-S-0.0
			04/12/2012	04/12/2012	04/13/2012	04/12/2012	04/12/2012	04/12/2012	04/12/2012	04/12/2012	04/12/2012	04/13/2012
			0	0	0	0	0	0	0	0	0	0
Analyte	Method A CULs	Method B CULs										
Bromodichloromethane	NV	16000	--	--	--	--	--	--	--	--	--	--
Bromoform	NV	130000	--	--	--	--	--	--	--	--	--	--
Bromomethane	NV	110000	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	NV	8000000	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	NV	14000	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	NV	1600000	--	--	--	--	--	--	--	--	--	--
Chlorobromomethane	NV	NV	--	--	--	--	--	--	--	--	--	--
Chloroethane	NV	NV	--	--	--	--	--	--	--	--	--	--
Chloroform	NV	32000	--	--	--	--	--	--	--	--	--	--
Chloromethane	NV	NV	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	NV	160000	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	NV	NV	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	NV	12000	--	--	--	--	--	--	--	--	--	--
Dibromomethane	NV	800000	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	NV	16000000	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	6000	8000000	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	NV	13000	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	NV	8000000	--	--	--	--	--	--	--	--	--	--
m,p-Xylene	9000	16000000	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether	100	560000	--	--	--	--	--	--	--	--	--	--
Methylene chloride	20	480000	--	--	--	--	--	--	--	--	--	--
Naphthalene	5000	1600000	--	--	--	--	--	--	--	--	--	--
n-Butylbenzene	NV	NV	--	--	--	--	--	--	--	--	--	--
n-Hexane	NV	4800000	--	--	--	--	--	--	--	--	--	--
n-Propylbenzene	NV	8000000	--	--	--	--	--	--	--	--	--	--
o-Xylene	9000	16000000	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	NV	NV	--	--	--	--	--	--	--	--	--	--
Styrene	NV	16000000	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	NV	NV	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	50	480000	--	--	--	--	--	--	--	--	--	--
Toluene	7000	6400000	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	NV	1600000	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	NV	NV	--	--	--	--	--	--	--	--	--	--
Trichloroethene	30	11000	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	NV	24000000	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	NV	670	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons (ug/kg)												
1-Methylnaphthalene	NV	35000	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	NV	320000	--	--	--	--	--	--	--	--	--	--
Acenaphthene	NV	4800000	--	--	--	--	--	--	--	--	--	--

Table 3
Soil Analytical Results
32nd Street Property
George Schmid and Sons, Inc.

Location Sample Name: Date Collected Depth (feet bgs)			SS-02	SS-03	SS-04	SS-05	SS-06	SS-07	SS-08	SS-09	SS-10	SS-11
			32ND ST-SS02-S-0.0	32ND ST-SS03-S-0.0	32NDST-SS-04-S-0.0	32ND ST-SS05-S-0.0	32ND ST-SS06-S-0.0	32ND ST-SS07-S-0.0	32ND ST-SS08-S-0.0	32ND ST-SS09-S-0.0	32ND ST-SS10-S-0.0	32NDST-SS-11-S-0.0
			04/12/2012	04/12/2012	04/13/2012	04/12/2012	04/12/2012	04/12/2012	04/12/2012	04/12/2012	04/12/2012	04/13/2012
			0	0	0	0	0	0	0	0	0	0
Analyte	Method A CULs	Method B CULs										
Acenaphthylene	NV	NV	--	--	--	--	--	--	--	--	--	--
Anthracene	NV	24000000	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	NV	1400	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	100	140	--	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	NV	1400	--	--	--	--	--	--	--	--	--	--
Benzo(ghi)perylene	NV	NV	--	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	NV	14000	--	--	--	--	--	--	--	--	--	--
Chrysene	NV	140000	--	--	--	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	NV	140	--	--	--	--	--	--	--	--	--	--
Fluoranthene	NV	3200000	--	--	--	--	--	--	--	--	--	--
Fluorene	NV	3200000	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	NV	1400	--	--	--	--	--	--	--	--	--	--
Naphthalene	5000	1600000	--	--	--	--	--	--	--	--	--	--
Phenanthrene	NV	NV	--	--	--	--	--	--	--	--	--	--
Pyrene	NV	2400000	--	--	--	--	--	--	--	--	--	--
Naphthalenes	5000 ^c	1600000 ^c	--	--	--	--	--	--	--	--	--	--
Carcinogenic PAH TEQ	100	140	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls (ug/kg)												
Aroclor 1016	NV	5600	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	NV	NV	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	NV	NV	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	NV	NV	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	NV	NV	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	NV	500	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	NV	500	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	NV	NV	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	NV	NV	--	--	--	--	--	--	--	--	--	--
Total Aroclors	1000	500	--	--	--	--	--	--	--	--	--	--
Hydrocarbon Identification (Presence/Absence)												
Diesel	NV	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gasoline	NV	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Kerosene	NV	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heavy Oil	NV	NV	ND	ND	ND	ND	DETECT	ND	DETECT	ND	ND	ND
Mineral Spirits	NV	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diesel and Heavy Oil (mg/kg)												
Diesel	2000	NV	--	--	--	--	39.2	--	36.8	--	--	--
Lube Oil	2000	NV	--	--	--	--	363	--	243	--	--	--
TPH	2000	NV	--	--	--	--	402	--	280	--	--	--
Gasoline (mg/kg)												
Gasoline	100	NV	--	--	--	--	--	--	--	--	--	--

Table 3
Soil Analytical Results
32nd Street Property
George Schmid and Sons, Inc.

Location Sample Name: Date Collected Depth (feet bgs)			SS-12	SS-13	SS-14	SS-15	SS-16	SS17	SS18	Cistern Trenching				
			32NDST-SS-12-S-0.0	32NDST-SS-13-S-0.0	32ND ST-SS14-S-0.0	32NDST-SS-15-S-0.0	32NDST-SS-16-S-0.0	SS17	SS18	TP-S-9.5	TP-S-3A	TP-S-2.5A	TP-S-2.5	TP-S-2.5C
			04/13/2012	04/13/2012	04/12/2012	04/13/2012	04/13/2012	10/11/2013	10/11/2013	10/11/2013	10/11/2013	10/11/2013	10/11/2013	10/11/2013
			0	0	0	0	0	0	0	9.5	3	2.5	2.5	2.5
Analyte	Method A CULs	Method B CULs												
Metals (mg/kg)														
Arsenic	20	5.81 ^a	2.27 U	2.77	2.72	2.72	2.26 U	--	--	--	--	--	--	--
Barium	NV	16000	111	183	135	173	124	--	--	--	--	--	--	--
Cadmium	2	80	0.114 U	0.114 U	0.109 U	0.109 U	0.113 U	--	--	--	--	--	--	--
Chromium	2000 ^b	120000 ^b	7.41	18.5	13.2	17.2	15.3	--	--	--	--	--	--	--
Lead	250	NV	5.27	12.2	10.6	7.48	14	--	--	--	--	--	--	--
Mercury	2	NV	0.0171 U	0.0295	0.0172	0.0288	0.0376	--	--	--	--	--	--	--
Selenium	NV	400	2.27 U	2.29 U	2.17 U	2.18 U	2.26 U	--	--	--	--	--	--	--
Silver	NV	400	2.27 U	2.29 U	2.19	2.18 U	2.26 U	--	--	--	--	--	--	--
Volatile Organic Compounds (ug/kg)														
1,1,1,2-Tetrachloroethane	NV	38000	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	2000	160000000	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	NV	5000	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	NV	18000	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	NV	180000	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	NV	4000000	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	NV	NV	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	NV	NV	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	NV	33	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	NV	34000	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	NV	NV	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	NV	1300	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	5	500	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	NV	7200000	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	NV	11000	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	NV	28000	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	NV	800000	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	NV	NV	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	NV	NV	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	NV	190000	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	NV	NV	--	--	--	--	--	--	--	--	--	--	--	--
2-Butanone	NV	48000000	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	NV	1600000	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	NV	NV	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorotoluene	NV	NV	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	NV	NV	--	--	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone	NV	6400000	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	NV	72000000	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	30	18000	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	NV	NV	--	--	--	--	--	--	--	--	--	--	--	--

Table 3
Soil Analytical Results
32nd Street Property
George Schmid and Sons, Inc.

Location Sample Name: Date Collected Depth (feet bgs)			SS-12	SS-13	SS-14	SS-15	SS-16	SS17	SS18	Cistern Trenching				
			32NDST-SS-12-S-0.0	32NDST-SS-13-S-0.0	32ND ST-SS14-S-0.0	32NDST-SS-15-S-0.0	32NDST-SS-16-S-0.0	SS17	SS18	TP-S-9.5	TP-S-3A	TP-S-2.5A	TP-S-2.5	TP-S-2.5C
			04/13/2012	04/13/2012	04/12/2012	04/13/2012	04/13/2012	10/11/2013	10/11/2013	10/11/2013	10/11/2013	10/11/2013	10/11/2013	10/11/2013
			0	0	0	0	0	0	0	9.5	3	2.5	2.5	2.5
Analyte	Method A CULs	Method B CULs												
Bromodichloromethane	NV	16000	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	NV	130000	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	NV	110000	--	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	NV	8000000	--	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	NV	14000	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	NV	1600000	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobromomethane	NV	NV	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	NV	NV	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	NV	32000	--	--	--	--	--	--	--	--	--	--	--	--
Chloromethane	NV	NV	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	NV	160000	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	NV	NV	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	NV	12000	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	NV	800000	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	NV	16000000	--	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	6000	8000000	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	NV	13000	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	NV	8000000	--	--	--	--	--	--	--	--	--	--	--	--
m,p-Xylene	9000	16000000	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether	100	560000	--	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	20	480000	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	5000	1600000	--	--	--	--	--	--	--	--	--	--	--	--
n-Butylbenzene	NV	NV	--	--	--	--	--	--	--	--	--	--	--	--
n-Hexane	NV	4800000	--	--	--	--	--	--	--	--	--	--	--	--
n-Propylbenzene	NV	8000000	--	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	9000	16000000	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	NV	NV	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	NV	16000000	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	NV	NV	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	50	480000	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	7000	6400000	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	NV	1600000	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	NV	NV	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	30	11000	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	NV	24000000	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	NV	670	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons (ug/kg)														
1-Methylnaphthalene	NV	35000	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	NV	320000	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	NV	4800000	--	--	--	--	--	--	--	--	--	--	--	--

Table 3
Soil Analytical Results
32nd Street Property
George Schmid and Sons, Inc.

Location Sample Name: Date Collected Depth (feet bgs)			SS-12	SS-13	SS-14	SS-15	SS-16	SS17	SS18	Cistern Trenching				
			32NDST-SS-12-S-0.0	32NDST-SS-13-S-0.0	32ND ST-SS14-S-0.0	32NDST-SS-15-S-0.0	32NDST-SS-16-S-0.0	SS17	SS18	TP-S-9.5	TP-S-3A	TP-S-2.5A	TP-S-2.5	TP-S-2.5C
			04/13/2012	04/13/2012	04/12/2012	04/13/2012	04/13/2012	10/11/2013	10/11/2013	10/11/2013	10/11/2013	10/11/2013	10/11/2013	10/11/2013
			0	0	0	0	0	0	0	9.5	3	2.5	2.5	2.5
Analyte	Method A CULs	Method B CULs												
Acenaphthylene	NV	NV	--	--	--	--	--	--	--	--	--	--	--	--
Anthracene	NV	24000000	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	NV	1400	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	100	140	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	NV	1400	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(ghi)perylene	NV	NV	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	NV	14000	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	NV	140000	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	NV	140	--	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	NV	3200000	--	--	--	--	--	--	--	--	--	--	--	--
Fluorene	NV	3200000	--	--	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	NV	1400	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	5000	1600000	--	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	NV	NV	--	--	--	--	--	--	--	--	--	--	--	--
Pyrene	NV	2400000	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalenes	5000 ^c	1600000 ^c	--	--	--	--	--	--	--	--	--	--	--	--
Carcinogenic PAH TEQ	100	140	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls (ug/kg)														
Aroclor 1016	NV	5600	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	NV	NV	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	NV	NV	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	NV	NV	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	NV	NV	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	NV	500	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	NV	500	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	NV	NV	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	NV	NV	--	--	--	--	--	--	--	--	--	--	--	--
Total Aroclors	1000	500	--	--	--	--	--	--	--	--	--	--	--	--
Hydrocarbon Identification (Presence/Absence)														
Diesel	NV	NV	ND	ND	ND	ND	ND	--	--	--	--	--	--	--
Gasoline	NV	NV	ND	ND	ND	ND	ND	--	--	--	--	--	--	--
Kerosene	NV	NV	ND	ND	ND	ND	ND	--	--	--	--	--	--	--
Heavy Oil	NV	NV	ND	ND	ND	ND	ND	--	--	--	--	--	--	--
Mineral Spirits	NV	NV	ND	ND	ND	ND	ND	--	--	--	--	--	--	--
Diesel and Heavy Oil (mg/kg)														
Diesel	2000	NV	--	--	--	--	--	16.6 U	18 U	17.7 U	436 J	20.2 U	16.6 U	16.4 U
Lube Oil	2000	NV	--	--	--	--	--	55.3 U	64.4 J	59.1 U	421	67.4 U	55.2 U	54.5 U
TPH	2000	NV	--	--	--	--	--	ND	73.4 J	ND	857 J	ND	ND	ND
Gasoline (mg/kg)														
Gasoline	100	NV	--	--	--	--	--		2.99 U					

NOTES:

Bold results exceed MTCA Method A soil CULs for unrestricted land use, or MTCA Method B soil CULs where Method A CULs are not available.

Non-detect results are not evaluated against screening criteria.

-- = not analyzed/not applicable.

bgs = below ground surface.

CUL = cleanup level.

J = estimated.

mg/kg = milligrams per kilogram.

MTCA = Model Toxics Control Act.

naphthalenes = sum of 1-methylnaphthalene, 2-methylnaphthalene, and naphthalene.

ND = not detected.

NV = no value.

PAH = polycyclic aromatic hydrocarbon.

R = rejected (data have been rejected because of holding time exceedances).

TEQ = toxicity equivalent.

TPH = total petroleum hydrocarbons. Sum of diesel-range and lube-oil-range hydrocarbons.

U = not detected.

ug/kg = micrograms per kilogram.

^aClark County 90th percentile natural background concentration.

^btrivalent chromium value.

^cnaphthalene value.

Table 4
Soil Gas Analytical Results
32nd Street Property
George Schmid and Sons, Inc.

Sample Location:	MTCA B Soil Gas SL	LEL	Field Screening						Analytical Testing				
			GP-07	GP-09		GP-10	GP-16		GP25	GP28	GP29	GP30	GP31
			04/20/2012	04/20/2012	04/20/2012	04/20/2012	04/20/2012	04/20/2012	10/14/2013	03/11/2014	03/11/2014	03/11/2014	03/11/2014
Depth (ft bgs):			5	5	15	5	5	15	15	5	12	9	9
Soil gas parameters (ppmv)													
Carbon Monoxide	NV	125000	6.0	0.0	0.0	2.0	6.0	17.0	--	--	--	--	--
Hydrogen Sulfide	NV	40000	1.0	1.0	1.0	1.0	1.0	2.0	0.35	--	--	--	--
Permanent Gases (%)													
Carbon Dioxide	NV	NV	2.9	3.0	13.2	2.3	3.0	4.3	--	--	--	--	--
Methane	NV	5	0.0	1.8	5.0	0.0	0.0	0.0	11	0.00018	0.00016 U	0.00015 U	0.00016 U
Oxygen	NV	NV	16.9	1.2	1.7	17.0	16.4	11.0	--	--	--	--	--
Propane	NV	2.1	--	--	--	--	--	--	0.001 U	--	--	--	--
Photoionization Detector Screening (ppm)													
Organic Vapor	NV	NV	98.0	1.8	12.6	111.0	180.0	209.0	--	--	--	--	--
Volatile Organic Compounds (ug/m ³)													
Methylene chloride	53	450000000	--	--	--	--	--	--	2.2 U	--	--	--	--
Trichlorofluoromethane	3200	NV	--	--	--	--	--	--	1.7 U	--	--	--	--
Benzene	3.2	38000000	--	--	--	--	--	--	34	2.0	3.0	1.9	1.6
Ethylbenzene	4600	35000000	--	--	--	--	--	--	7.2	--	--	--	--
m,p-Xylene	460 ^a	48000000	--	--	--	--	--	--	10	--	--	--	--
o-Xylene	460	39000000	--	--	--	--	--	--	7	--	--	--	--
Tetrachloroethene	4.2	NV	--	--	--	--	--	--	0.42 U	--	--	--	--
Toluene	22000	41000000	--	--	--	--	--	--	31	--	--	--	--
Trichloroethene	1	430000000 ^b	--	--	--	--	--	--	0.33 U	--	--	--	--
Vinyl chloride	2.8	92000000	--	--	--	--	--	--	40	0.060	0.041 U	0.16	0.045
Total Xylenes	NV	39000000	--	--	--	--	--	--	17	--	--	--	--
NOTES: Background hydrogen sulfide concentrations were 1.0 ppm. Sampler: Justin Pounds, 4/20/12 Friday, 56 degrees Fahrenheit, calm wind, 67% humidity. Bold indicates exceedance of MTCA cleanup level or LEL. Non-detect results not evaluated. -- = not analyzed. % = percent. CDC ATSDR = Centers for Disease Control, Agency for Toxic Substances and Disease Registry. ft bgs = feet below ground surface. LEL = lower explosive limit from NIOSH Pocket Guide and CDC ATSDR Landfill Gas Primer, Table 3-1. MTCA B soil gas SL = Model Toxics Control Act, draft Method B soil gas screening level for beneath building. NIOSH = National Institute for Occupational Safety and Health. NV = no value. ppm = parts per million. ppmv = parts per million by volume. total xylenes = sum of o-xylene and m-xylene. U = not detected. ug/m³ = micrograms per cubic meter. ^aValue is for m-xylene. ^bLEL is based on a temperature of 77° Fahrenheit.													

Table 5
Groundwater Analytical Results
32nd Street Property
George Schmid and Sons, Inc.

Location			GP-08	GP-09	GP-10	GP-11	GP-12	GP-13	GP-14	GP-15	GP-16	GP-17	GP18	GP19	GP20
Date Collected			04/20/2012	04/20/2012	04/20/2012	04/18/2012	04/18/2012	04/20/2012	04/19/2012	04/19/2012	04/19/2012	04/18/2012	10/14/2013	10/14/2013	10/15/2013
Depth (feet bgs)			25	30	25	25	20	25	25	25	25	35	17	15	19.5
Analyte	MTCA A CULs	MTCA B CULs													
Metals (mg/L)															
Arsenic	0.005	0.000058	0.02 U	0.02 U	0.02	0.02 U	0.02 U	0.041	0.02 U	0.02 U	0.02 U	0.02 U	--	--	--
Barium	NV	3.2	0.018	0.677	0.272	0.01 U	0.5	6.4	0.01 U	0.145	0.203	0.02	--	--	--
Cadmium	0.005	0.008	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	--	--	--
Chromium	0.05	24 ^a	0.007	0.038	0.044	0.008	0.048	0.309	0.006	0.028	0.035	0.015	--	--	--
Lead	0.015	NV	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.149	0.02 U	0.02 U	0.02 U	0.02 U	0.000285	--	--
Mercury	0.002	NV	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0005	0.0001 U	0.0001 U	0.0001 U	0.0001 U	--	--	--
Selenium	NV	0.08	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	--	--	--
Silver	NV	0.08	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.033	0.01 U	0.01 U	0.01 U	0.01 U	--	--	--
Polychlorinated Biphenyls (ug/L)															
Aroclor 1016	NV	1.1	--	0.022 U	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	NV	NV	--	0.022 U	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	NV	NV	--	0.022 U	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	NV	NV	--	0.022 U	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	NV	NV	--	0.022 U	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	NV	0.044	--	0.022 U	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	NV	0.044	--	0.022 U	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	NV	NV	--	0.022 U	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	NV	NV	--	0.022 U	--	--	--	--	--	--	--	--	--	--	--
Total Polychlorinated Biphenyls	0.1	0.044	--	ND	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds (ug/L)															
1,1,1,2-Tetrachloroethane	NV	1.7	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 UJ	--	--
1,1,1-Trichloroethane	200	16000	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 UJ	--	--
1,1,2,2-Tetrachloroethane	NV	0.22	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 UJ	--	--
1,1,2-Trichloroethane	NV	0.77	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 UJ	--	--
1,1-Dichloroethane	NV	7.7	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 UJ	--	--
1,1-Dichloroethene	NV	400	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 UJ	--	--
1,1-Dichloropropene	NV	NV	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 UJ	--	--
1,2,3-Trichlorobenzene	NV	NV	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 UJ	--	--
1,2,3-Trichloropropane	NV	0.0015	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 UJ	--	--

Table 5
Groundwater Analytical Results
32nd Street Property
George Schmid and Sons, Inc.

Location			GP-08	GP-09	GP-10	GP-11	GP-12	GP-13	GP-14	GP-15	GP-16	GP-17	GP18	GP19	GP20
Date Collected			04/20/2012	04/20/2012	04/20/2012	04/18/2012	04/18/2012	04/20/2012	04/19/2012	04/19/2012	04/19/2012	04/18/2012	10/14/2013	10/14/2013	10/15/2013
Depth (feet bgs)			25	30	25	25	20	25	25	25	25	35	17	15	19.5
Analyte	MTCA A CULs	MTCA B CULs													
1,2,4-Trichlorobenzene	NV	1.5	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 UJ	--	--
1,2,4-Trimethylbenzene	NV	NV	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 UJ	--	--
1,2-Dibromo-3-chloropropane	NV	0.055	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 UJ	--	--
1,2-Dibromoethane	0.01	0.022	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 UJ	--	--
1,2-Dichlorobenzene	NV	720	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 UJ	--	--
1,2-Dichloroethane	5	0.48	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 UJ	--	--
1,2-Dichloropropane	NV	1.2	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 UJ	--	--
1,3,5-Trimethylbenzene	NV	80	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 UJ	--	--
1,3-Dichlorobenzene	NV	NV	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 UJ	--	--
1,3-Dichloropropane	NV	NV	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 UJ	--	--
1,4-Dichlorobenzene	NV	8.1	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 UJ	--	--
2,2-Dichloropropane	NV	NV	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 UJ	--	--
2-Butanone	NV	4800	10 U	10 U	10 U	--	--	10 U	10 U	10 U	10 U	10 U	10 UJ	--	--
2-Chlorotoluene	NV	160	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 UJ	--	--
2-Hexanone	NV	NV	10 U	10 U	10 U	--	--	10 U	10 U	10 U	10 U	10 U	10 UJ	--	--
4-Chlorotoluene	NV	NV	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 UJ	--	--
4-Isopropyltoluene	NV	NV	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 UJ	--	--
4-Methyl-2-pentanone	NV	640	20 U	20 U	20 U	--	--	20 U	20 U	20 U	20 U	20 U	20 UJ	--	--
Acetone	NV	7200	50 U	50 U	50 U	--	--	50 U	50 U	50 U	50 U	50 U	50 UJ	--	--
Acrylonitrile	NV	0.081	5 U	5 U	5 U	--	--	5 U	5 U	5 U	5 U	5 U	5 UJ	--	--
Benzene	5	0.8	0.3 U	0.3 U	0.3 U	--	--	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 UJ	--	--
Bromobenzene	NV	NV	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 UJ	--	--
Bromodichloromethane	NV	0.71	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 UJ	--	--
Bromoform	NV	5.5	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 UJ	--	--
Bromomethane	NV	11	1 U	1 U	1 U	--	--	1.84	1 U	1 U	1 U	1 U	1 UJ	--	--
Carbon disulfide	NV	800	2 U	2 U	2 U	--	--	2 U	2 U	2 U	2 U	2 U	2 UJ	--	--
Carbon tetrachloride	NV	0.63	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 UJ	--	--
Chlorobenzene	NV	160	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 UJ	--	--
Chlorobromomethane	NV	NV	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 UJ	--	--

Table 5
Groundwater Analytical Results
32nd Street Property
George Schmid and Sons, Inc.

Location			GP-08	GP-09	GP-10	GP-11	GP-12	GP-13	GP-14	GP-15	GP-16	GP-17	GP18	GP19	GP20
Date Collected			04/20/2012	04/20/2012	04/20/2012	04/18/2012	04/18/2012	04/20/2012	04/19/2012	04/19/2012	04/19/2012	04/18/2012	10/14/2013	10/14/2013	10/15/2013
Depth (feet bgs)			25	30	25	25	20	25	25	25	25	35	17	15	19.5
Analyte	MTCA A CULs	MTCA B CULs													
Chloroethane	NV	NV	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 UJ	--	--
Chloroform	NV	1.4	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 UJ	--	--
Chloromethane	NV	NV	1 U	1 U	1 U	--	--	7.27	1 U	1 U	1 U	1 U	1 UJ	--	--
cis-1,2-Dichloroethene	NV	16	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 UJ	--	--
cis-1,3-Dichloropropene	NV	NV	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 UJ	--	--
Dibromochloromethane	NV	0.52	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 UJ	--	--
Dibromomethane	NV	80	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 UJ	--	--
Dichlorodifluoromethane	NV	1600	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 UJ	--	--
Ethylbenzene	700	800	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 UJ	--	--
Freon 113	NV	240000	--	--	--	--	--	--	--	--	--	--	1 UJ	--	--
Hexachlorobutadiene	NV	0.56	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 UJ	--	--
Isopropylbenzene	NV	800	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 UJ	--	--
m,p-Xylene	1000	1600	2 U	2 U	2 U	--	--	2 U	2 U	2 U	2 U	2 U	2 UJ	--	--
Methyl tert-butyl ether	20	24	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 UJ	--	--
Methylene chloride	5	22	20 U	20 U	20 U	--	--	20 U	20 U	20 U	20 U	20 U	20 UJ	--	--
Naphthalene	160	160	1 UJ	1 UJ	1 UJ	--	--	1 UJ	1 U	1 U	1 U	1 U	1 UJ	--	--
n-Butylbenzene	NV	NV	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 UJ	--	--
n-Propylbenzene	NV	NV	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 UJ	--	--
o-Xylene	NV	1600	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 UJ	--	--
sec-Butylbenzene	NV	NV	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 UJ	--	--
Styrene	NV	1600	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 UJ	--	--
tert-Butylbenzene	NV	NV	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 UJ	--	--
Tetrachloroethene	5	5	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 UJ	--	--
Toluene	1000	640	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 UJ	--	--
trans-1,2-Dichloroethene	NV	160	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 UJ	--	--
trans-1,3-Dichloropropene	NV	NV	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 UJ	--	--
Trichloroethene	5	4	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 UJ	--	--
Trichlorofluoromethane	NV	2400	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 UJ	--	--
Vinyl chloride	0.2	0.029	1 U	1 U	1 U	--	--	1 U	1 U	1 U	1 U	1 U	1 UJ	--	--

Table 5
Groundwater Analytical Results
32nd Street Property
George Schmid and Sons, Inc.

Location			GP-08	GP-09	GP-10	GP-11	GP-12	GP-13	GP-14	GP-15	GP-16	GP-17	GP18	GP19	GP20
Date Collected			04/20/2012	04/20/2012	04/20/2012	04/18/2012	04/18/2012	04/20/2012	04/19/2012	04/19/2012	04/19/2012	04/18/2012	10/14/2013	10/14/2013	10/15/2013
Depth (feet bgs)			25	30	25	25	20	25	25	25	25	35	17	15	19.5
Analyte	MTCA A CULs	MTCA B CULs													
Polycyclic Aromatic Hydrocarbons (ug/L)															
1-Methylnaphthalene	NV	1.5	--	0.065	--	--	--	--	--	--	--	--	0.354 J	--	--
2-Methylnaphthalene	NV	32	--	0.054 U	--	--	--	--	--	--	--	--	0.0205 UJ	--	--
Acenaphthene	NV	960	--	0.054 U	--	--	--	--	--	--	--	--	0.169 J	--	--
Acenaphthylene	NV	NV	--	0.054 U	--	--	--	--	--	--	--	--	0.0205 UJ	--	--
Anthracene	NV	4800	--	0.054 U	--	--	--	--	--	--	--	--	0.0205 UJ	--	--
Benzo(a)anthracene	NV	0.12	--	0.054 U	--	--	--	--	--	--	--	--	0.0353 J	--	--
Benzo(a)pyrene	0.1	0.012	--	0.054 U	--	--	--	--	--	--	--	--	0.0185 UJ	--	--
Benzo(b)fluoranthene	NV	0.12	--	0.054 U	--	--	--	--	--	--	--	--	0.0185 UJ	--	--
Benzo(ghi)perylene	NV	NV	--	0.054 U	--	--	--	--	--	--	--	--	0.0185 UJ	--	--
Benzo(k)fluoranthene	NV	1.2	--	0.054 U	--	--	--	--	--	--	--	--	0.0185 UJ	--	--
Chrysene	NV	12	--	0.054 U	--	--	--	--	--	--	--	--	0.0185 UJ	--	--
Dibenzo(a,h)anthracene	NV	0.012	--	0.054 U	--	--	--	--	--	--	--	--	0.0185 UJ	--	--
Fluoranthene	NV	640	--	0.054 U	--	--	--	--	--	--	--	--	0.0716 J	--	--
Fluorene	NV	640	--	0.054 U	--	--	--	--	--	--	--	--	0.4 J	--	--
Indeno(1,2,3-cd)pyrene	NV	0.12	--	0.054 U	--	--	--	--	--	--	--	--	0.0185 UJ	--	--
Naphthalene	160	160	--	0.205	--	--	--	--	--	--	--	--	0.0586 J	--	--
Phenanthrene	NV	NV	--	0.054 U	--	--	--	--	--	--	--	--	0.105 J	--	--
Pyrene	NV	480	--	0.054 U	--	--	--	--	--	--	--	--	0.0783 J	--	--
Naphthalenes	160 ^b	160 ^b	--	0.297	--	--	--	--	--	--	--	--	0.42285 J	--	--
Carcinogenic PAH TEQ	0.1	0.012	--	ND	--	--	--	--	--	--	--	--	0.017 J	--	--
Hydrocarbon Identification (Presence/Absence)															
Diesel	NV	NV	ND	DETECT	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--
Gasoline	NV	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--
Kerosene	NV	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--
Lube-Oil-Range Hydrocarbons	NV	NV	ND	DETECT	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--
Mineral Spirits	NV	NV	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--
Diesel and Lube Oil (mg/L)															
Diesel	0.5	NV	--	1.33	--	--	--	--	--	--	--	--	3.23	0.11	0.0814 U
Lube Oil	0.5	NV	--	1.19	--	--	--	--	--	--	--	--	0.203 U	0.237	0.203 U
TPH	0.5	NV	--	2.52	--	--	--	--	--	--	--	--	3.3315	0.347	ND
Gasoline (mg/L)															
Gasoline	1.0	NV	--	--	--	--	--	--	--	--	--	--	0.1 UJ	0.1 UJ	0.1 UJ

Table 5
Groundwater Analytical Results
32nd Street Property
George Schmid and Sons, Inc.

Location			GP21	GP23	GP24	GP26	GP27	MW01	MW02	MW03	MW04	MW05	MW06	MW07
Date Collected			10/14/2013	10/11/2013	10/15/2013	10/11/2013	10/11/2013	03/19/2014	03/19/2014	03/18/2014	03/18/2014	03/18/2014	03/18/2014	07/16/2014
Depth (feet bgs)			19.5	10	10	29	24.75	18	26	30	25	15	11	12
Analyte		MTCA A CULs	MTCA B CULs											
Metals (mg/L)														
Arsenic	0.005	0.000058	--	0.000132	--	--	--	--	--	--	0.00618	0.000304	0.000460	--
Barium	NV	3.2	--	0.0124	--	--	--	--	--	--	0.507	0.00712	0.00666	--
Cadmium	0.005	0.008	--	--	--	--	--	--	--	--	--	--	--	--
Chromium	0.05	24 ^a	--	0.0001 U	--	--	--	--	--	--	0.000441	0.000228	0.000251	--
Lead	0.015	NV	0.00168	0.0001 U	--	--	--	--	--	--	0.00233	0.0001 U	0.0001 U	--
Mercury	0.002	NV	--	--	--	--	--	--	--	--	--	--	--	--
Selenium	NV	0.08	--	--	--	--	--	--	--	--	--	--	--	--
Silver	NV	0.08	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls (ug/L)														
Aroclor 1016	NV	1.1	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	NV	NV	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	NV	NV	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	NV	NV	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	NV	NV	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	NV	0.044	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	NV	0.044	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	NV	NV	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	NV	NV	--	--	--	--	--	--	--	--	--	--	--	--
Total Polychlorinated Biphenyls	0.1	0.044	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds (ug/L)														
1,1,1,2-Tetrachloroethane	NV	1.7	1 UJ	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	200	16000	1 UJ	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	NV	0.22	1 UJ	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	NV	0.77	1 UJ	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	NV	7.7	1 UJ	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	NV	400	1 UJ	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	NV	NV	1 UJ	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	NV	NV	1 UJ	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	NV	0.0015	1 UJ	--	--	--	--	--	--	--	--	--	--	--

Table 5
Groundwater Analytical Results
32nd Street Property
George Schmid and Sons, Inc.

Location			GP21	GP23	GP24	GP26	GP27	MW01	MW02	MW03	MW04	MW05	MW06	MW07
Date Collected			10/14/2013	10/11/2013	10/15/2013	10/11/2013	10/11/2013	03/19/2014	03/19/2014	03/18/2014	03/18/2014	03/18/2014	03/18/2014	07/16/2014
Depth (feet bgs)			19.5	10	10	29	24.75	18	26	30	25	15	11	12
Analyte	MTCA A CULs	MTCA B CULs												
1,2,4-Trichlorobenzene	NV	1.5	1 UJ	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	NV	NV	1 UJ	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	NV	0.055	1 UJ	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	0.01	0.022	1 UJ	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	NV	720	1 UJ	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	5	0.48	1 UJ	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	NV	1.2	1 UJ	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	NV	80	1 UJ	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	NV	NV	1 UJ	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	NV	NV	1 UJ	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	NV	8.1	1 UJ	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	NV	NV	1 UJ	--	--	--	--	--	--	--	--	--	--	--
2-Butanone	NV	4800	10 UJ	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	NV	160	1 UJ	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	NV	NV	10 UJ	--	--	--	--	--	--	--	--	--	--	--
4-Chlorotoluene	NV	NV	1 UJ	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	NV	NV	1 UJ	--	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone	NV	640	20 UJ	--	--	--	--	--	--	--	--	--	--	--
Acetone	NV	7200	50 UJ	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile	NV	0.081	5 UJ	--	--	--	--	--	--	--	--	--	--	--
Benzene	5	0.8	0.3 UJ	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	NV	NV	1 UJ	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	NV	0.71	1 UJ	--	--	--	--	--	--	--	--	--	--	--
Bromoform	NV	5.5	1 UJ	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	NV	11	1 UJ	--	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	NV	800	2 UJ	--	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	NV	0.63	1 UJ	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	NV	160	1 UJ	--	--	--	--	--	--	--	--	--	--	--
Chlorobromomethane	NV	NV	1 UJ	--	--	--	--	--	--	--	--	--	--	--

Table 5
Groundwater Analytical Results
32nd Street Property
George Schmid and Sons, Inc.

Location			GP21	GP23	GP24	GP26	GP27	MW01	MW02	MW03	MW04	MW05	MW06	MW07
Date Collected			10/14/2013	10/11/2013	10/15/2013	10/11/2013	10/11/2013	03/19/2014	03/19/2014	03/18/2014	03/18/2014	03/18/2014	03/18/2014	07/16/2014
Depth (feet bgs)			19.5	10	10	29	24.75	18	26	30	25	15	11	12
Analyte	MTCA A CULs	MTCA B CULs												
Chloroethane	NV	NV	1 UJ	--	--	--	--	--	--	--	--	--	--	--
Chloroform	NV	1.4	1 UJ	--	--	--	--	--	--	--	--	--	--	--
Chloromethane	NV	NV	1 UJ	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	NV	16	1 UJ	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	NV	NV	1 UJ	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	NV	0.52	1 UJ	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	NV	80	1 UJ	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	NV	1600	1 UJ	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	700	800	1 UJ	--	--	--	--	--	--	--	--	--	--	--
Freon 113	NV	240000	1 UJ	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	NV	0.56	1 UJ	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	NV	800	1.13 J	--	--	--	--	--	--	--	--	--	--	--
m,p-Xylene	1000	1600	2 UJ	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether	20	24	1 UJ	--	--	--	--	--	--	--	--	--	--	--
Methylene chloride	5	22	20 UJ	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	160	160	1 UJ	--	--	--	--	--	--	--	--	--	--	--
n-Butylbenzene	NV	NV	1.58 J	--	--	--	--	--	--	--	--	--	--	--
n-Propylbenzene	NV	NV	2.4 J	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	NV	1600	1 UJ	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	NV	NV	2.84 J	--	--	--	--	--	--	--	--	--	--	--
Styrene	NV	1600	1 UJ	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	NV	NV	1 UJ	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	5	5	1 UJ	--	--	--	--	--	--	--	--	--	--	--
Toluene	1000	640	1 UJ	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	NV	160	1 UJ	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	NV	NV	1 UJ	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	5	4	1 UJ	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	NV	2400	1 UJ	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	0.2	0.029	1 UJ	--	--	--	--	--	--	--	--	--	--	--

Table 5
Groundwater Analytical Results
32nd Street Property
George Schmid and Sons, Inc.

Location			GP21	GP23	GP24	GP26	GP27	MW01	MW02	MW03	MW04	MW05	MW06	MW07
Date Collected			10/14/2013	10/11/2013	10/15/2013	10/11/2013	10/11/2013	03/19/2014	03/19/2014	03/18/2014	03/18/2014	03/18/2014	03/18/2014	07/16/2014
Depth (feet bgs)			19.5	10	10	29	24.75	18	26	30	25	15	11	12
Analyte	MTCA A CULs	MTCA B CULs												
Polycyclic Aromatic Hydrocarbons (ug/L)														
1-Methylnaphthalene	NV	1.5	12 J	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	NV	32	0.575 J	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	NV	960	1.38 J	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	NV	NV	0.02 UJ	--	--	--	--	--	--	--	--	--	--	--
Anthracene	NV	4800	0.296 J	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	NV	0.12	0.0442 J	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	0.1	0.012	0.018 UJ	--	--	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	NV	0.12	0.0206 J	--	--	--	--	--	--	--	--	--	--	--
Benzo(ghi)perylene	NV	NV	0.018 UJ	--	--	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	NV	1.2	0.018 UJ	--	--	--	--	--	--	--	--	--	--	--
Chrysene	NV	12	0.0526 J	--	--	--	--	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	NV	0.012	0.018 UJ	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	NV	640	0.133 J	--	--	--	--	--	--	--	--	--	--	--
Fluorene	NV	640	3.15 J	--	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	NV	0.12	0.018 UJ	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	160	160	0.249 J	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	NV	NV	3.94 J	--	--	--	--	--	--	--	--	--	--	--
Pyrene	NV	480	0.291 J	--	--	--	--	--	--	--	--	--	--	--
Naphthalenes	160 ^b	160 ^b	12.824 J	--	--	--	--	--	--	--	--	--	--	--
Carcinogenic PAH TEQ	0.1	0.012	0.019 J	--	--	--	--	--	--	--	--	--	--	--
Hydrocarbon Identification (Presence/Absence)														
Diesel	NV	NV	--	--	--	--	--	--	--	--	--	--	--	--
Gasoline	NV	NV	--	--	--	--	--	--	--	--	--	--	--	--
Kerosene	NV	NV	--	--	--	--	--	--	--	--	--	--	--	--
Lube-Oil-Range Hydrocarbons	NV	NV	--	--	--	--	--	--	--	--	--	--	--	--
Mineral Spirits	NV	NV	--	--	--	--	--	--	--	--	--	--	--	--
Diesel and Lube Oil (mg/L)														
Diesel	0.5	NV	1.78	--	0.115	0.08 U	0.08 U	0.610	0.0787 U	0.225	0.114	0.0766 U	0.0760 U	0.0761 U
Lube Oil	0.5	NV	0.343	--	0.201 U	0.2 U	0.2 U	0.314	0.197 U	1.47	0.320	0.196	0.230	0.190 U
TPH	0.5	NV	2.123	--	0.2155	ND	ND	0.924	ND	1.695	0.434	0.2343	0.268	ND
Gasoline (mg/L)														
Gasoline	1.0	NV	0.587 J	--	--	--	--	--	--	--	--	--	--	--

NOTES:

Bold results exceed MTCA Method A soil CULs for unrestricted land use, or MTCA Method B soil CULs where Method A are not available.

-- = not analyzed.

bgs = below ground surface.

CUL = cleanup level.

J = estimated.

mg/L = milligrams per liter.

MTCA = Model Toxics Control Act.

naphthalenes = sum of 1-methylnaphthalene, 2-methylnaphthalene, and naphthalene.

ND = not detected.

NV = no value.

PAH = polycyclic aromatic hydrocarbon.

TEQ = toxicity equivalent.

TPH = total petroleum hydrocarbons. Sum of diesel-range and lube oil-range hydrocarbons.

U = not detected.

ug/L = micrograms per liter.

UJ = not detected. Result reported is estimated value.

^aTrivalent chromium value.

^aNaphthalene value.

Table 6
Disproportionate Cost Analysis
32nd Street Property
George Schmid and Sons, Inc.

Alternative	Description	Protectiveness Permanence Long-Term Effectiveness Management of Short-Term Risks Implementability Average Public Concerns Total Cost							
Alternative 1	No Action	1	1	1	1	5	1.8	TBD	\$ -
Alternative 2	Soil Removal, Capping, Groundwater Monitoring, and Institutional Controls	3	3.5	3	3	4	3.3	TBD	\$ 233,000
Alternative 3	Soil Removal, Capping, and In Situ Groundwater Treatment	4	4	3.5	3	3	3.5	TBD	\$ 376,000
Alternative 4	Soil Removal to Cleanup Levels and In Situ Groundwater Treatment	4.5	5	4	2.5	3	3.8	TBD	\$ 397,000
Alternative 5	Soil Removal to Cleanup Levels and Groundwater Pump and Treat System	4.5	5	4	2	2	3.5	TBD	\$ 611,000

Table 7: Cost Estimate
Alternative 2: Soil Removal, Capping, Groundwater Monitoring,
and Institutional Controls
32nd Street Property
George Schmid and Sons, Inc.

Remedy Components

- 1 Excavate shallow impacted soil at former water cistern, diesel tank and outfall; dispose of off site.
- 2 Backfill with clean, imported material. At GP-01, place material in backfill to enhance bioremediation.
- 3 Institutional controls including soil management plan, vapor barrier and groundwater restrictions.
- 4 Groundwater monitoring

Assumptions

- 1 Density of soil = 1.5 tons/CY.
- 2 607 cubic yards of impacted soil will be removed and disposed of.
- 3 Excavated material will be characterized prior to off-site disposal. For cost estimating purposes, it is assumed that material will be nonhazardous and disposed of at a Subtitle D landfill. Estimated cost based on recent bid prices.
- 4 One characterization sample and five confirmation samples will be taken per excavation.
- 5 Excavation extent is assumed to be to a depth of 5 feet bgs in a 1,200-square-foot area at GP-15. Extent at SS-01 is a shallow surface scraping (<1 ft bgs). Excavation extent at GP-01 is assumed to 15 ft bgs. Actual excavation extent will be based on visual observations and confirmation sample results.
- 6 Remedial excavations will be backfilled with clean, imported material and compacted to a minimum of 92%, based on the Modified Proctor Test (ASTM, 2012).
- 7 ORC will be used in the base of the excavation of GP-01 at an application rate of 2 lb/cy. 60 CY of soil to be treated.
- 8 No surface restoration will be completed beyond backfill placement and compaction.
- 9 Unimpacted soil may be used as backfill in excavations; this estimate assumes 60 CY to be reused.
- 10 Groundwater monitoring at a frequency of quarterly for the first year, semiannually for two year, every 18 months until the 15th year, with a confirmation event conducted in the 20th, 25th and 30th years.
- 11 Cap management and maintenance are assumed to be a brief site walk and form report annually for a duration of 30 years.
- 12 Discount rate of 1.9%.
- 13 30% contingency.

Component	Units	Unit Cost	No. of Units	Cost	Total Cost
Excavation					
Mobilization	LS	\$ 4,000.00	1	\$ 4,000	
Excavation and Loading	CY	\$ 12.00	667	\$ 8,000	
Disposal, including Transport	TON	\$ 40.00	911	\$ 36,444	
Waste Profiling	EA	\$ 475	2	\$ 950	
Purchase of Fill	CY	\$ 15.00	607	\$ 9,111	
Placement and Compaction of Fill	CY	\$ 5.00	667	\$ 3,333	
Soil Confirmation Sampling	EA	\$ 255.00	10	\$ 2,550	
Bioremediation	LB	\$ 10.50	160	\$ 1,680	
Construction Subtotal				\$	66,069

Table 7: Cost Estimate
Alternative 2: Soil Removal, Capping, Groundwater Monitoring,
and Institutional Controls
32nd Street Property
George Schmid and Sons, Inc.

Component	Units	Unit Cost	No. of Units	Cost	Total Cost
Professional Services					
Engineering, Contracting, Negotiations, and Work Plan Assistance					\$15,000
Construction Services and CQA					\$3,600
Construction Completion Report					\$7,500
Professional Services Subtotal					\$26,100
Contingency					
		30%		\$	27,651
Monitoring					
Site Management and Maintenance	LS			\$	1,000
Groundwater Monitoring	event			\$	5,500
Discount Rate					1.90%
Net Present Worth of Monitoring and Maintenance				\$	112,844
Total (rounded to the nearest \$1,000)				\$	233,000

Table 8: Cost Estimate
Alternative 3: Soil Removal, Capping, and In Situ Groundwater Treatment
32nd Street Property
George Schmid and Sons, Inc.

Remedy Components

- 1 Excavate shallow impacted soil at former water cistern, diesel tank, and outfall; dispose of off site.
- 2 Backfill with clean, imported material.
- 3 In situ bioremediation injections in the former diesel tank area.
- 4 Institutional controls, including soil management plan, vapor barrier, and groundwater restrictions.
- 5 Groundwater monitoring

Assumptions

- 1 Density of soil = 1.5 tons/CY.
- 2 607 cubic yards of impacted soil will be removed and disposed of.
- 3 Excavated material will be characterized prior to off-site disposal. For cost estimating purposes, it is assumed that material will be nonhazardous and disposed of at a Subtitle D landfill. Estimated cost based on recent bid prices.
- 4 One characterization sample and five confirmation samples will be taken per excavation.
- 5 Excavation extent is assumed to be to a depth of 5 feet bgs in a 1,200-square-foot area at GP-15. Extent at SS-01 is a shallow surface scraping (<1 ft bgs). Excavation extent at GP-01 is assumed to 15 ft bgs. Actual excavation extent will be based on visual observations and confirmation sample results.
- 6 Remedial excavations will be backfilled with clean, imported material and compacted to a minimum of 92%, based on the Modified Proctor Test (ASTM, 2012).
- 7 RegenOx and ORC will be used in an area around GP-01. Treatment depth to 28 feet bgs. 7,520 lbs of RegenOx and 1600 lbs of ORC assumed to be used. Drilling estimated to be three weeks.
- 8 No surface restoration will be completed beyond backfill placement and compaction.
- 9 Unimpacted soil may be used as backfill in excavations; this estimate assumes 60 CY to be reused.
- 10 Groundwater monitoring at a frequency of quarterly for the first year, then semiannually until the fifth year.
- 11 Cap management and maintenance are assumed to be a brief site walk and form report annually for a duration of 30 years.
- 12 Discount rate of 1.9%.
- 13 30% contingency.

Component	Units	Unit Cost	No. of Units	Cost	Total Cost
Excavation					
Mobilization	LS	\$ 4,000.00	1	\$ 4,000	
Excavation and Loading	CY	\$ 12.00	667	\$ 8,000	
Disposal, including Transport	TON	\$ 40.00	911	\$ 36,444	
Waste Profiling	EA	\$ 475	2	\$ 950	
Purchase of Fill	CY	\$ 15.00	607	\$ 9,111	
Placement and Compaction of Fill	CY	\$ 5.00	667	\$ 3,333	
Soil Confirmation Sampling	EA	\$ 255.00	10	\$ 2,550	

Table 8: Cost Estimate
Alternative 3: Soil Removal, Capping, and In Situ Groundwater Treatment
32nd Street Property
George Schmid and Sons, Inc.

Component	Units	Unit Cost	No. of Units	Cost	Total Cost
In Situ Groundwater Treatment					
Additional characterization	LS	\$10,000	1	\$10,000	
Mobilization/demobilization	EA	\$1,500	4	\$6,000	
Amendment injection at point	EA	\$800	52	\$41,600	
Amendment product	LS	\$ 31,296	1	\$ 31,296	
Construction Subtotal					\$ 153,285
Professional Services					
Engineering, Contracting, Negotiations, and Work Plan Assistance					\$35,000
Construction Services and CQA					\$20,000
Completion Report					\$15,000
PROFESSIONAL SERVICES SUBTOTAL					\$70,000
Contingency		30%			\$ 66,985
Monitoring and Maintenance					
Site Management and Maintenance	LS			\$ 1,000	
Groundwater Monitoring	event			\$ 5,500	
Discount Rate				1.90%	
Present Worth of Monitoring and Maintenance					\$ 85,501
Total (rounded to the nearest \$1,000)					\$ 376,000

Table 9: Cost Estimate
Alternative 4: Soil Removal to CULs and In Situ Groundwater Treatment
32nd Street Property
George Schmid and Sons, Inc.

Remedy Components

- 1 Excavate shallow impacted soil at former water cistern, diesel tank, wash pad, and outfall; dispose
- 2 Backfill with clean, imported material.
- 3 In situ bioremediation injections in the former diesel tank area.
- 4 Institutional controls, including vapor barrier and groundwater restrictions.
- 5 Groundwater monitoring.

Assumptions

- 1 Density of soil = 1.5 tons/CY.
- 2 1,111 cubic yards of impacted soil will be removed and disposed of.
- 3 Excavated material will be characterized prior to off-site disposal. For cost estimating purposes, it is assumed that material will be nonhazardous and disposed of at a Subtitle D landfill. Estimated cost based on recent bid prices.
- 4 One characterization sample and five confirmation samples will be taken per excavation.
- 5 Excavation extent is assumed to be to a depth of 5 feet bgs in a 1,200-square-foot area at GP-15. Extent at SS-01 is a shallow surface scraping (<1 ft bgs). Excavation extent at GP-01 and GP-22 is assumed to 15 ft bgs. Actual excavation extent will be based on visual observations and confirmation sample results.
- 6 Remedial excavations will be backfilled with clean, imported material and compacted to a minimum of 92%, based on the Modified Proctor Test (ASTM, 2012).
- 7 RegenOx and ORC will be used in an area around GP-01. Treatment depth to 28 feet bgs. 7,520 lbs of RegenOx and 1600 lbs of ORC assumed to be used. Drilling estimated to be three weeks.
- 8 No surface restoration will be completed beyond backfill placement and compaction.
- 9 Unimpacted soil may be used as backfill in excavations; this estimate assumes 207 CY to be reused.
- 10 Groundwater monitoring at a frequency of quarterly for the first year, then semiannually until the fifth year.
- 11 Discount rate of 0.0%.
- 12 30% contingency.

Component	Units	Unit Cost	No. of Units	Cost	Total Cost
Excavation					
Mobilization	LS	\$ 4,000	1	\$ 4,000	
Excavation and Loading	CY	\$ 12.00	1,111	\$ 13,333	
Disposal, including Transport	TON	\$ 40.00	1,356	\$ 54,222	
Waste Profiling	EA	\$ 475	3	\$ 1,425	
Purchase of Fill	CY	\$ 15.00	904	\$ 13,556	
Placement and Compaction of Fill	CY	\$ 5.00	1,111	\$ 5,556	
Soil Confirmation Sampling	EA	\$ 255.00	15	\$ 3,825	

Table 9: Cost Estimate
Alternative 4: Soil Removal to CULs and In Situ Groundwater Treatment
32nd Street Property
George Schmid and Sons, Inc.

Component	Units	Unit Cost	No. of Units	Cost	Total Cost
In-Situ Groundwater Treatment					
Additional characterization	LS	\$10,000	1	\$10,000	
Mobilization/demobilization	EA	\$1,500	4	\$6,000	
Amendment injection at point	EA	\$800	52	\$41,600	
Amendment product	LS	\$ 31,296	1	\$ 31,296	
Construction Subtotal					\$ 184,813
Professional Services					
Engineering, Contracting, Negotiations, and Work Plan Assistance					\$35,000
Construction Services and CQA					\$20,000
Completion Report					\$15,000
PROFESSIONAL SERVICES SUBTOTAL					\$70,000
Contingency		30%			\$ 76,444
Monitoring					
Groundwater Monitoring	event			\$ 5,500	
Discount Rate				0.00%	
Present Worth of Monitoring and Maintenance					\$ 66,000
Total (rounded to the nearest \$1,000)					\$ 397,000

Table 10: Cost Estimate
Alternative 5: Soil Removal to CULs and Groundwater Treatment System
32nd Street Property
George Schmid and Sons, Inc.

Remedy Components

- 1 Excavate shallow impacted soil at former water cistern, diesel tank, wash pad, and outfall; dispose
- 2 Backfill with clean, imported material.
- 3 Pump and treat system in the former diesel tank area.
- 4 Institutional controls, including vapor barrier and groundwater restrictions.
- 5 Groundwater monitoring.

Assumptions

- 1 Density of soil = 1.5 tons/CY.
- 2 1,111 cubic yards of impacted soil will be removed and disposed of.
- 3 Excavated material will be characterized prior to off-site disposal. For cost estimating purposes, it is assumed that material will be nonhazardous and disposed of at a Subtitle D landfill. Estimated cost based on recent bid prices.
- 4 One characterization sample and five confirmation samples will be taken per excavation.
- 5 Excavation extent is assumed to be to a depth of 5 feet bgs in a 1,200-square-foot area at GP-15. Extent at SS-01 is a shallow surface scraping (<1 ft bgs). Excavation extent at GP-01 and GP-22 is assumed to 15 ft bgs. Actual excavation extent will be based on visual observations and confirmation sample results.
- 6 Remedial excavations will be backfilled with clean, imported material and compacted to a minimum of 92%, based on the Modified Proctor Test (ASTM, 2012).
- 7 Pump and treat treatment system includes four wells, treatment via activated carbon, and discharge to sanitary sewer. Operations assumed for 10 years with annual replacement of carbon.
- 8 No surface restoration will be completed beyond backfill placement and compaction.
- 9 Unimpacted soil may be used as backfill in excavations; this estimate assumes 207 CY to be reused.
- 10 Groundwater monitoring at a frequency of quarterly for the first year, then semiannually until the tenth year, then quarterly in year following termination of the system.
- 11 Discount rate of 1.0%.
- 12 30% contingency.

Component	Units	Unit Cost	No. of Units	Cost	Total Cost
Excavation					
Mobilization	LS	\$ 4,000	1	\$	4,000
Excavation and Loading	CY	\$ 12.00	1,111	\$	13,333
Disposal, including Transport	TON	\$ 40.00	1,356	\$	54,222
Waste Profiling	EA	\$ 475	3	\$	1,425
Purchase of Fill	CY	\$ 15.00	904	\$	13,556
Placement and Compaction of Fill	CY	\$ 5.00	1,111	\$	5,556
Soil Confirmation Sampling	EA	\$ 255.00	15	\$	3,825
Groundwater removal and treatment system					
Additional characterization	LS	\$10,000	1		\$10,000
Electrical hookup	LS	\$5,000	1		\$5,000

Table 10: Cost Estimate
Alternative 5: Soil Removal to CULs and Groundwater Treatment System
32nd Street Property
George Schmid and Sons, Inc.

Component	Units	Unit Cost	No. of Units	Cost	Total Cost
Mobilization	LS	\$5,000	1	\$5,000	
Extraction wells	EA	\$7,500	4	\$30,000	
Pumps	EA	\$2,000	4	\$8,000	
Treatment system and controller	LS	\$15,000	1	\$15,000	
Initial granular activated carbon	LB	\$4	1,200	\$4,800	
Discharge connection	LS	\$30,000	1	\$30,000	
Construction Subtotal					\$ 203,717
Professional Services					
Engineering, Contracting, Negotiations, and Work Plan Assistance					\$50,000
Construction Services and CQA					\$25,000
Completion Report					\$15,000
PROFESSIONAL SERVICES SUBTOTAL					\$90,000
Contingency		30%			\$ 88,115
Monitoring					
Groundwater Monitoring	event			\$ 5,500	
System Maintenance	year			\$ 10,000	
Discount Rate				1.00%	
Present Worth of Monitoring and Maintenance					\$ 229,508
Total (rounded to the nearest \$1,000)					\$ 611,000

FIGURES





Site Address: 1411 32nd Street, Washougal, Washington
 Source: U.S. Geological Survey (1990) 7.5-minute
 topographic quadrangle: Washougal
 Section DLC47, Township 1 North, Range 4 East
 of the Willamette Meridian



MAUL FOSTER LONGI
 p. 971 544 2139 | www.maulfooster.com

This product is for informational purposes and may not have been prepared for, or be suitable
 for legal, engineering, or surveying purposes. Users of this information should review or
 consult the primary data and information sources to ascertain the usability of the information.

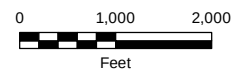
Legend

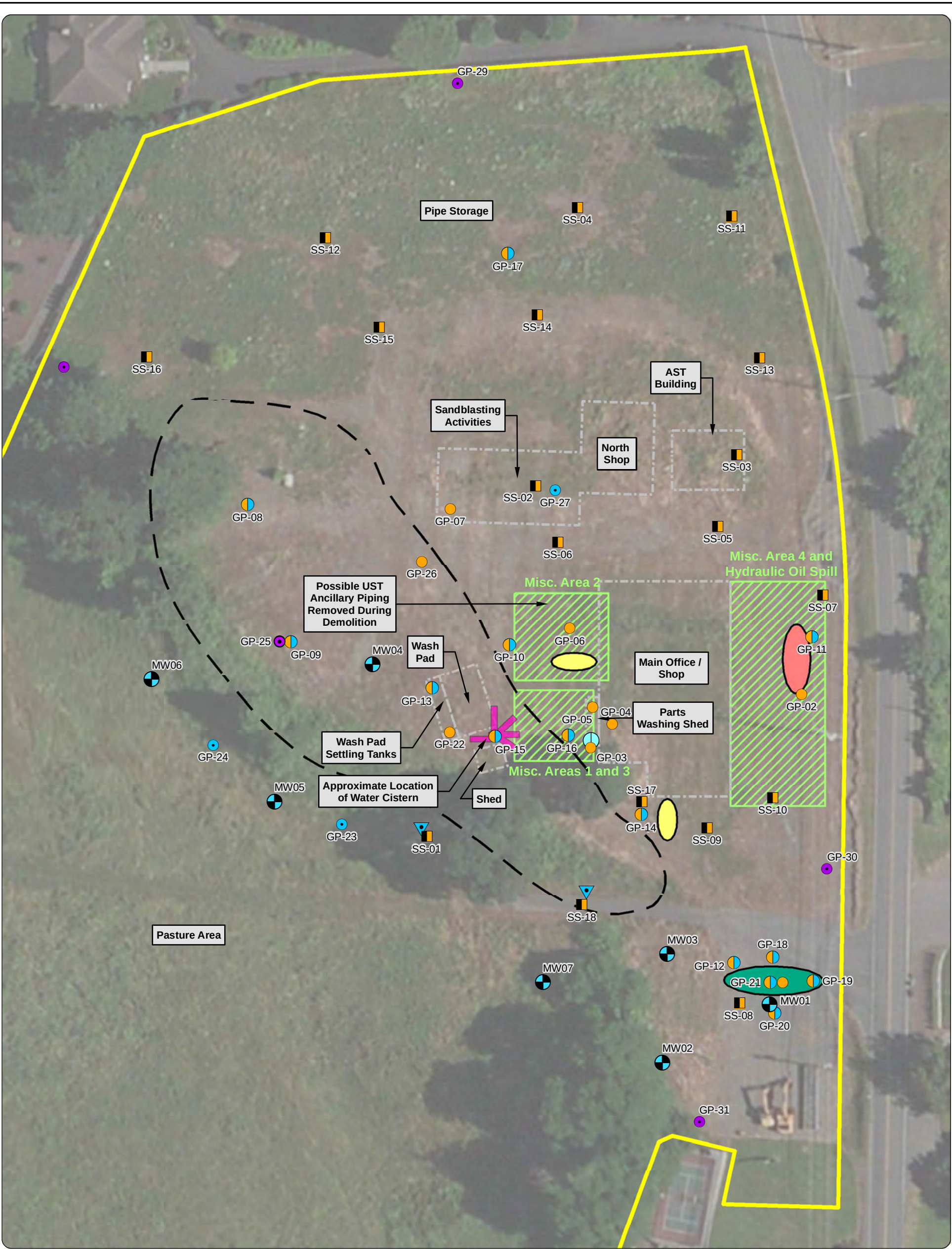


Subject Property

Figure 1 Site Location 32nd Street Property

George Schmid and Sons, Inc.
 Washougal, Washington





Source: Aerial photograph obtained from Esri ArcGIS Online; sample locations collected using GeoXH 6000 Series GPS unit.

- Notes:**
1. All feature locations are historical, approximate, and based on general site descriptions.
 2. AST = Aboveground storage tank
UST = Underground storage tank
GPS = Global positioning system

MAULFOSTER ALONGI
p. 971 544 2139 | www.maulfooster.com

This product is for informational purposes and may not have been prepared for, or be suitable for, legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.

Legend

- Soil Boring
- Groundwater Boring
- Soil & Groundwater Boring
- Surface Soil Sample Location
- Soil Gas Boring
- Monitoring Wells
- Drywell (Approximate)
- Outfall (Approximate)
- Oil UST Pit
- Gasoline UST Pit
- Diesel UST Pit
- Trench Location
- Miscellaneous Areas
- Fill Material (Approximate)
- Approximate Historical Features
- Subject Property

Figure 2
Site Features
32nd Street Property

George Schmid and Sons, Inc.
Washougal, Washington



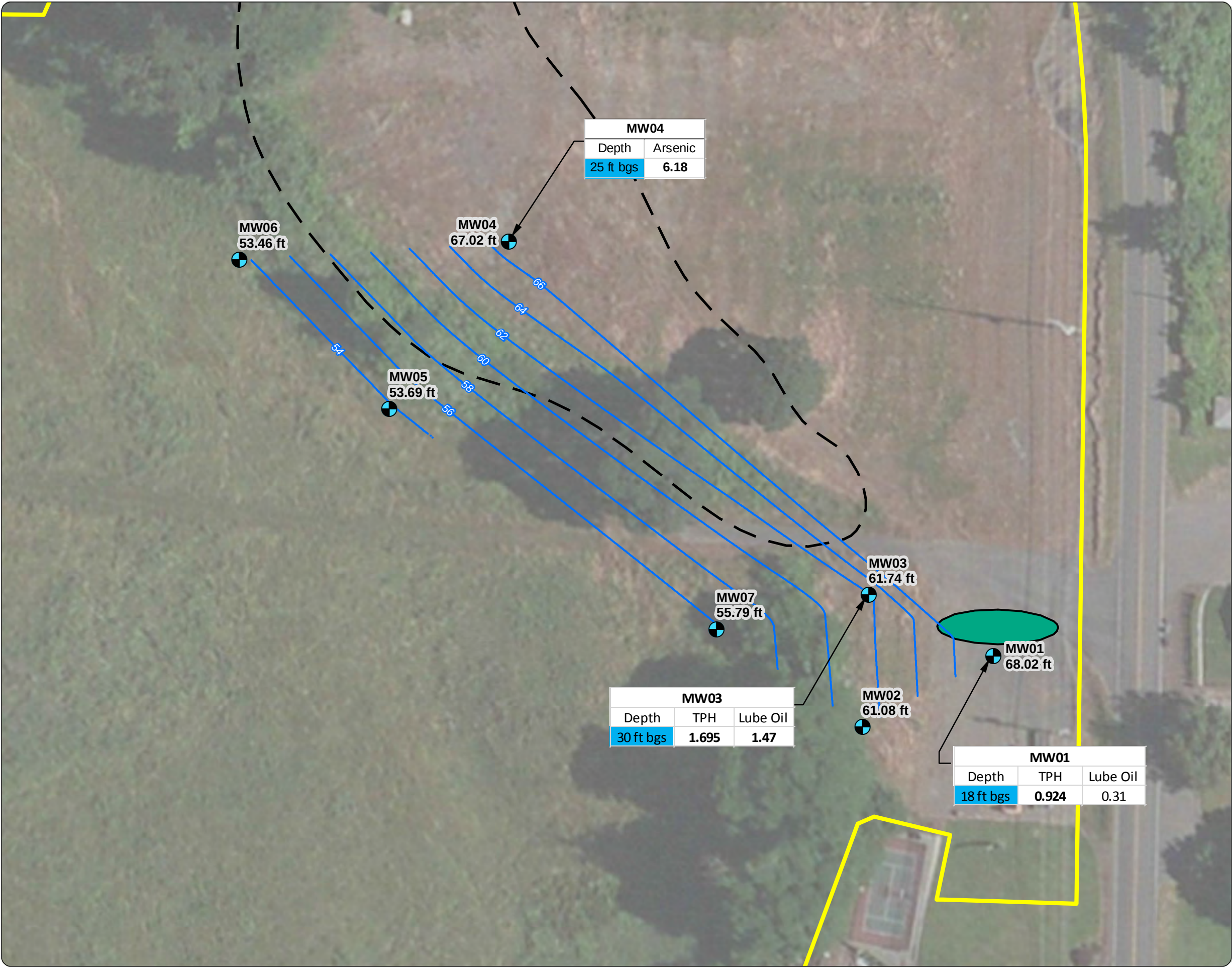


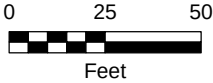
Figure 3
Groundwater Contours
and Monitoring Well
Exceedances (July 2014)
32nd Street Property

George Schmid and Sons, Inc.
Washougal, Washington

Legend

- Monitoring Well Location
- Groundwater Elevation Contour (in feet NAVD88)
- Diesel UST Pit
- Fill Material (Approximate)
- Subject Property

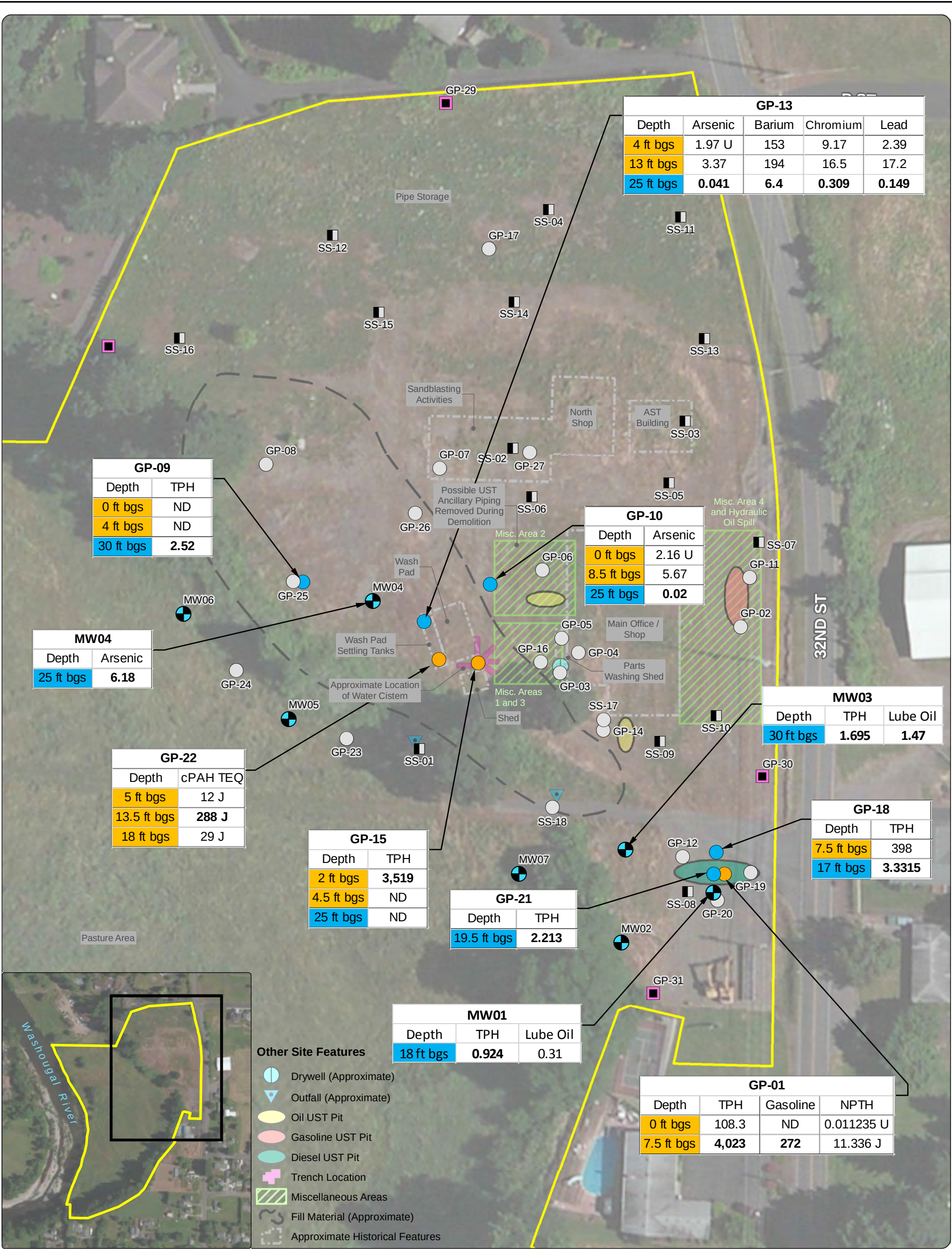
- Notes:**
- Bold** values exceed MTCA Method A cleanup levels, or Method B when Method A is not available.
 - Sample depth in feet below ground surface (bgs).
 - Groundwater values measured in mg/L (milligrams per liter).
 - TPH = sum of diesel and heavy oil detections.



Source: Aerial photograph obtained from Esri ArcGIS Online

 **MAUL FOSTER ALONGI**
p. 971 544 2139 | www.maulfooster.com

This product is for informational purposes and may not have been prepared for, or be suitable for, legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.



- Notes:
- Bold** values exceed MTCA Method A cleanup levels, or Method B when Method A is not available.
 - Sample depth in feet below ground surface (bgs).
 - Soil values measured in mg/kg (milligrams per kilogram), except for cPAH TEQ which is measured in ug/kg (micrograms per kilogram).
 - Groundwater values measured in mg/L (milligrams per liter).
 - cPAH TEQ = carcinogenic polycyclic aromatic hydrocarbons toxicity equivalent.
 - ND = not detected using petroleum hydrocarbon scan.
 - NPTH = naphthalenes; sum of naphthalene, 1- methyl naphthalene, and 2-methylnaphthalene.
 - TPH = sum of diesel and heavy oil detections or half the method reporting limit (MRL) where ND.
 - U = not detected at or above MRL.
 - J = estimated value.

MAULFOSTER ALONGI
p. 971 544 2139 | www.maulfoster.com

This product is for informational purposes and may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.

- Legend**
- Boring Locations**
- Groundwater Exceedance
 - Soil Exceedance
 - No Exceedance
 - Soil Gas Boring
 - Monitoring Wells
 - Existing Surface Soil Sample Location
 - Subject Property

Key = **Soil Sample**
Groundwater Sample

Source: Aerial photograph obtained from Esri ArcGIS Online.
Sample locations collected by MFA (April, 2012; October 2013).

Figure 4
Soil and Groundwater Exceedances
32nd Street Property
George Schmid and Sons, Inc.
Washougal, Washington

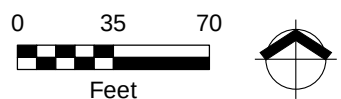
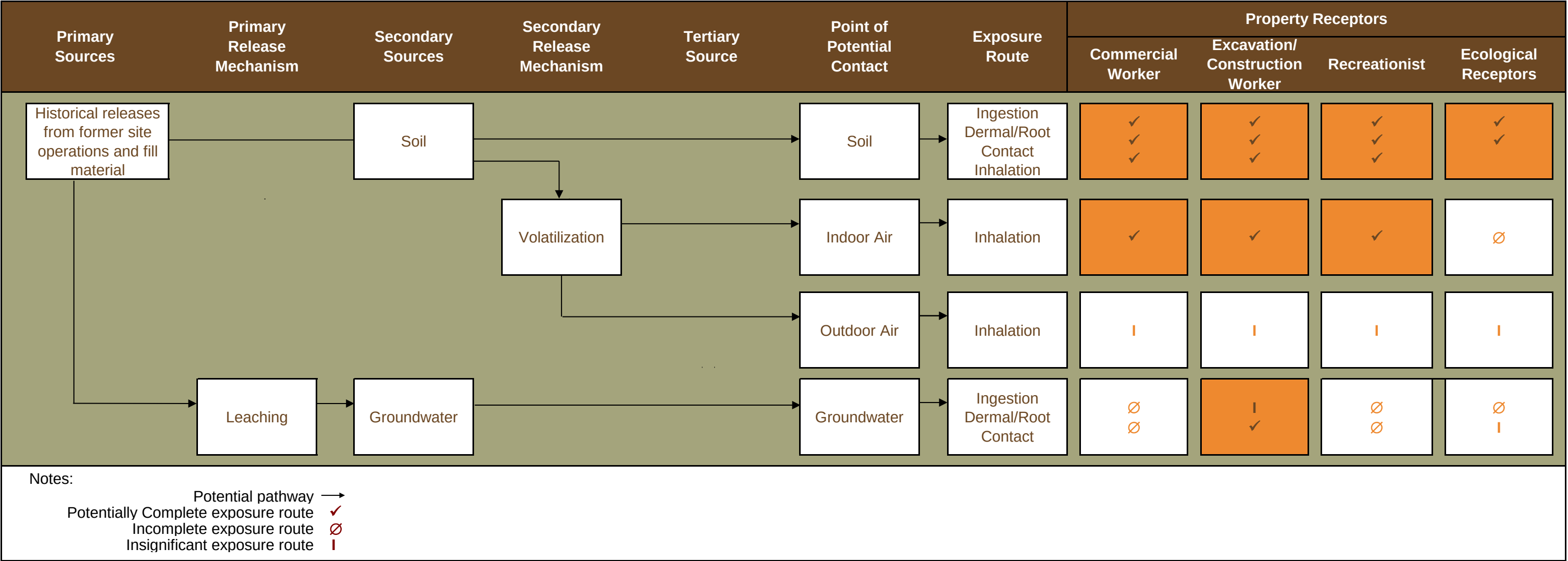


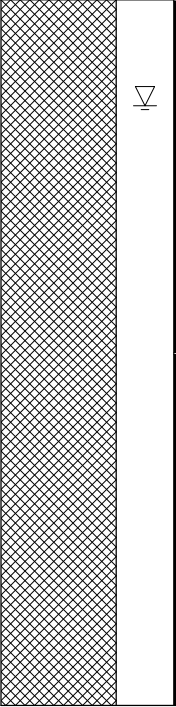
Figure 5
Conceptual Site Model
32nd Street Property
George Schmid and Sons, Inc.



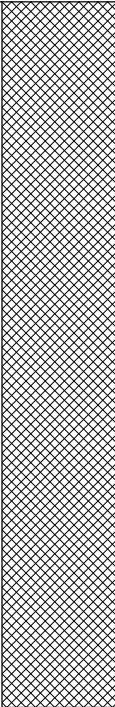
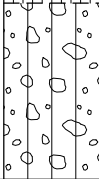
APPENDIX A

BORING AND WELL-INSTALLATION LOGS



Maul Foster & Alongi, Inc.		Geologic Borehole Log/Well Construction									
		Project Number 0564.01.03-01				Well Number GP-01			Sheet 1 of 1		
Project Name		Schmid Family Limited Partnership I, LLC					TOC Elevation (feet)		N/A		
Project Location		1411 32nd Street, Washougal, WA					Surface Elevation (feet)				
Start/End Date		4/18/12 to 4/18/12					Northing				
Driller/Equipment		Pacific Soil & Water/AMS 9500-VTR					Easting				
Geologist/Engineer		Lindsey Crosby					Hole Depth		10.0-feet		
Sample Method		Direct Push					Outer Hole Diam		2.25-inch		
Depth (feet, BGS)	Well Details	Interval	Percent Recovery	Collection Method	Sample Data			Blows/6"	Lithologic Column	Soil Description	
					Number	Name (Type)					
1		50	GP		GP01-S-0.0				0 to 2.0 feet: SAND with SILT (SW-SM); very dark grayish-brown; 20% fines; 50% sand, fine to coarse; 30% gravel, fine to coarse; alternating layers of varying sand and fine content; rootlets; wet.		
2								2.0 to 2.3 feet: SAND with SILT (SW-SM); very dark gray; 10% fines; 90% sand, fine to coarse; trace gravel; moist.			
3								2.3 to 7.0 feet: SILT (ML); grayish-brown; 90% fines, low plasticity; 10% sand, fine; gray mottles; rootlets; strong petroleum hydrocarbon-like odor; moist.			
4											
5		100	GP								
6											
7											
8						GP01-S-7.5			7.0 to 10.0 feet: SILTY SAND (SM); dark gray; 20% fines; 80% sand, fine to medium; gray mottles; rootlets; strong petroleum hydrocarbon-like odor; wet.		
9									@ 9.5 feet: Coarse content increases in sand.		
10									Total boring depth 10.0 feet below ground surface.		
NOTES: (1) Borehole was backfilled with 3/4-inch bentonite chips hydrated with potable water. (2) Soil sample interval collected 0.5 feet above and below depth provided in sample name.  Water level 1.5' observed while drilling.											

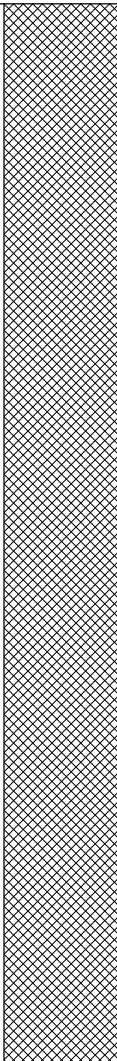
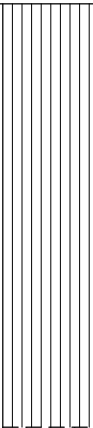
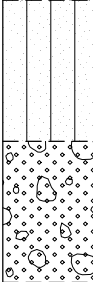
GBLWC W:\GINTGINT\PROJECTS\0564.01\03-01\GP1-GP17.GPJ 8/5/14

Maul Foster & Alongi, Inc.		Geologic Borehole Log/Well Construction									
		Project Number 0564.01.03-01			Well Number GP-02			Sheet 1 of 1			
Project Name		Schmid Family Limited Partnership I, LLC					TOC Elevation (feet)		N/A		
Project Location		1411 32nd Street, Washougal, WA					Surface Elevation (feet)				
Start/End Date		4/18/12 to 4/18/12					Northing				
Driller/Equipment		Pacific Soil & Water/AMS 9500-VTR					Easting				
Geologist/Engineer		Lindsey Crosby					Hole Depth		10.0-feet		
Sample Method		Direct Push					Outer Hole Diam		2.25-inch		
Depth (feet, BGS)	Well Details	Interval	Percent Recovery	Collection Method	Sample Data			Lithologic Column	Soil Description		
					Number	Name (Type)	Blows/6"				
1		100	GP			GP02-S-0.0		0 to 1.0 feet: SAND with SILT (SW-SM); brown; 20% fines; 40% sand, fine to coarse; 40% gravel, fine to coarse; rootlets; damp.			
2								1.0 to 7.5 feet: SILT (ML); grayish-brown; 100% fines; trace sand; very stiff; slight gray mottling with sand-sized black clasts; degraded petroleum hydrocarbon-like odor; damp.			
3								@ 3.0 feet: Low plasticity; no noticeable odor.			
4											
5											
6		100	GP				GP02-S-7.5		7.5 to 10.0 feet: SILT with GRAVEL (ML); brown; 60% fines; 20% sand, fine; 20% gravel, fine to coarse; very stiff; damp.		
7											
8											
9											
10											
Total boring depth 10.0 feet below ground surface.											
NOTES: (1) Borehole was backfilled with 3/4-inch bentonite chips hydrated with potable water. (2) Soil sample interval collected 0.5 feet above and below depth provided in sample name.											

Geologic Borehole Log/Well Construction

Sheet
1 of 1

TOC Elevation (feet)	N/A
Surface Elevation (feet)	
Northing	
Easting	
Hole Depth	15.0-feet
Outer Hole Diam	2.25-inch

Depth (feet, BGS)	Well Details	Interval	Percent Recovery	Collection Method	Sample Data		Blows/6"	Lithologic Column	Soil Description
					Number	Name (Type)			
1		80	GP		GP03-S-1.0				0 to 6.0 feet: SILT (ML); brown; 80% fines; 20% sand, fine; stiff; damp.
2									
3									
4									
5		80	GP		GP03-S-4.0				6.0 to 8.0 feet: SILTY SAND (SM); brown; 30% fines; 70% sand, fine; moist.
6									
7									
8									
9		80	GP						@ 8.0 feet: Stiff. 8.0 to 10.0 feet: GRAVELLY SAND (SW); brown; 10% fines, nonplastic; 50% sand, fine to coarse; 40% gravel, fine to coarse; large dark gray gravel and small black gravel, loose; damp.
10									
11									
12									
13		80	GP						10.0 to 11.0 feet: SILT (ML); brown; 80% fines, low plasticity; 20% sand, fine; soft; damp.
14									
15									
11.0 to 15.0 feet: SANDY GRAVEL (GW); 10% fines; 40% sand, fine to coarse; 50% gravel, fine to coarse; coarse light gray gravel; damp. @ 13.5 feet: 1.0 inch of black and white sand.									
Total boring depth 15.0 feet below ground surface.									

Total boring depth 15.0 feet below ground surface.

NOTES: (1) Borehole was backfilled with 3/4-inch bentonite chips hydrated with potable water. (2) Soil samples collected from 0.5 to 1.5 feet and 8.0 to 10.0 feet intervals.

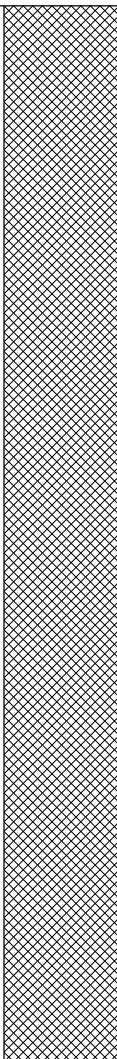
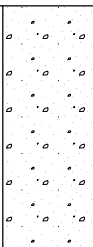
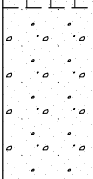
GBLWC W:\GINT\GINT\PROJECTS\0564.01\03-01\GP1-GP17.GPJ 8/5/14

Maul Foster & Alongi, Inc.		Geologic Borehole Log/Well Construction											
		Project Number 0564.01.03-01				Well Number GP-04			Sheet 1 of 1				
Project Name Project Location Start/End Date Driller/Equipment Geologist/Engineer Sample Method		Schmid Family Limited Partnership I, LLC 1411 32nd Street, Washougal, WA 4/19/12 to 4/19/12 Pacific Soil & Water/AMS 9500-VTR Lindsey Crosby Direct Push						TOC Elevation (feet) Surface Elevation (feet) Northing Easting Hole Depth Outer Hole Diam				N/A 15.0-feet 2.25-inch	
Depth (feet, BGS)	Well Details	Interval	Percent Recovery	Collection Method	Number	Name (Type)	Blows/6"	Lithologic Column	Soil Description				
1		60		GP		GP04-S-1.0			0 to 6.0 feet: SILT with SAND (ML); brown; 70% fines, low plasticity; 30% sand, fine; damp.				
2													
3													
4						GP04-S-4.0			@ 3.0 feet: Transitions to reddish-brown and dark brown; rootlets; sticky.				
5													
6			80		GP				6.0 to 9.0 feet: SILTY SAND (SM); brown; 30% fines; 70% sand, fine to medium; moist.				
7													
8													
9									@ 8.0 feet: Medium sand.				
10													
11					GP				9.0 to 15.0 feet: SILTY SANDY GRAVEL (GM); brown; 20% fines; 40% sand, fine to coarse; 40% gravel, fine to coarse; moist.				
12													
13													
14									@ 10.0 feet: 3.0 inches of fines and sands.				
15													
									Total boring depth 15.0 feet below ground surface.				
NOTES: (1) Borehole was backfilled with 3/4-inch bentonite chips hydrated with potable water. (2) Soil sample interval collected 0.5 feet above and below depth provided in sample name.													

Geologic Borehole Log/Well Construction

Sheet
1 of 1

TOC Elevation (feet)	N/A
Surface Elevation (feet)	
Northing	
Easting	
Hole Depth	15.0-feet
Outer Hole Diam	2.25-inch

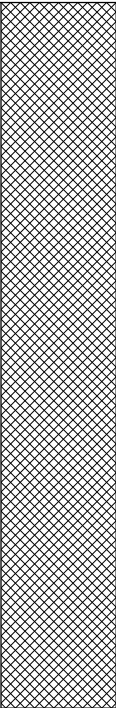
Depth (feet, BGS)	Well Details	Interval	Percent Recovery	Collection Method	Sample Data		Blows/6"	Lithologic Column	Soil Description
					Number	Name (Type)			
1		50		GP		GP05-S-1.0		0 to 3.5 feet: GRAVELLY SAND (SW); dark brown; 20% fines; 50% sand, fine to coarse; 30% gravel, fine to medium; small dark cobbles; rootlets; more fines in top 3.0 inches; transitions to sandy gravel; damp.	
2									
3									
4									
5		80		GP		GP05-S-5.0		3.5 to 7.0 feet: SILTY SAND (SM); brown; 80% fines, low plasticity; 10% sand, fine; 10% gravel, fine, loose; damp.	
6									
7									
8									
9									
10									
11		60		GP				7.0 to 9.5 feet: GRAVELLY SAND (SW); brown; 10% fines; 70% sand, fine to medium; 20% gravel, fine to medium; damp.	
12									
13									
14									
15									
@ 14.8 feet: Becomes wet. Total boring depth 15.0 feet below ground surface.									

@ 14.8 feet: Becomes wet.
Total boring depth 15.0 feet below ground surface.

NOTES: (1) Borehole was backfilled with 3/4-inch bentonite chips hydrated with potable water. (2) Soil sample interval collected 0.5 feet above and below depth provided in sample name.

GBLWC W:\GINT\GINT\PROJECTS\0564.01\03-01\GP1-GP17.GPJ 8/5/14

Maul Foster & Alongi, Inc.		Geologic Borehole Log/Well Construction									
		Project Number 0564.01.03-01			Well Number GP-06			Sheet 1 of 1			
Project Name		Schmid Family Limited Partnership I, LLC					TOC Elevation (feet)		N/A		
Project Location		1411 32nd Street, Washougal, WA					Surface Elevation (feet)				
Start/End Date		4/18/12 to 4/18/12					Northing				
Driller/Equipment		Pacific Soil & Water/AMS 9500-VTR					Easting				
Geologist/Engineer		Lindsey Crosby					Hole Depth		15.0-feet		
Sample Method		Direct Push					Outer Hole Diam		2.25-inch		
Depth (feet, BGS)	Well Details	Interval	Percent Recovery	Collection Method	Sample Data			Blows/6"	Lithologic Column	Soil Description	
					Number	Name (Type)					
1		60	GP		GP06-S-1.0					0 to 2.5 feet: SILT with SAND (ML); brown; 80% fines; 20% sand, fine; rootlets in top 1.0 inch; damp.	
2											
3		2.5 to 8.0 feet: SILT (ML); orangish-brown; 100% fines; trace sand; soft; damp.									
4											
5		100	GP								
6											
7											
8											
9		8.0 to 9.5 feet: SILTY SAND (SM); brown; 50% fines; 50% sand, fine; damp.									
10		80	GP								
11										9.5 to 10.5 feet: SILT with SAND (ML); brown; 70% fines; 20% sand, fine; 10% gravel, fine, gray; damp.	
12			10.5 to 15.0 feet: SANDY GRAVEL (GW); brown; 50% sand, fine to coarse; 50% gravel, fine to coarse, gray, crushed granite last 3.0 inches; damp.								
13											
14											
15											
Total boring depth 15.0 feet below ground surface.											
NOTES: (1) Borehole was backfilled with 3/4-inch bentonite chips hydrated with potable water. (2) Soil sample interval collected 0.5 feet above and below depth provided in sample name.											

Maul Foster & Alongi, Inc.				Geologic Borehole Log/Well Construction					
				Project Number 0564.01.03-01		Well Number GP-07		Sheet 2 of 2	
Depth (feet, BGS)	Well Details	Interval	Percent Recovery	Sample Data			Blows/6"	Lithologic Column	Soil Description
				Collection Method	Number	Name (Type)			
21			90	GP					19.5 to 30.0 feet: SAND (SP); brown; 10% fines; 90% sand, fine to medium; moist. @ 22.0 feet to 27.0 feet: Wet.
22									
23									
24									
25			80	GP					
26									
27									
28									
29									
30									
Total boring depth 30.0 feet below ground surface.									
NOTES: (1) Borehole was backfilled with 3/4-inch bentonite chips hydrated with potable water. (2) Soil samples collected from 3.0 to 5.0 feet and 10.0 to 13.0 feet intervals.									

Maul Foster & Alongi, Inc.				Geologic Borehole Log/Well Construction											
				Project Number 0564.01.03-01			Well Number GP-08		Sheet 2 of 2						
Depth (feet, BGS)	Well Details	Interval	Percent Recovery	Collection Method	Sample Data			Lithologic Column	Soil Description						
					Number	Name (Type)	Blows/6"								
21			60	GP					@ 20.0 to 22.0 feet: Wet.						
22									GW						
23															22.0 to 25.0 feet: SAND with SILT (SP-SM); brown; 20% fines; 80% sand, fine to medium; moist.
24															
25															
GP08-W-25.0															
Total boring depth 25.0 feet below ground surface.															
NOTES: (1) Borehole was backfilled with 3/4-inch bentonite chips hydrated with potable water. (2) Soil samples collected from 3.0 to 5.0 feet and 10.0 to 14.0 feet intervals.															

Maul Foster & Alongi, Inc.		Geologic Borehole Log/Well Construction								
		Project Number 0564.01.03-01			Well Number GP-09			Sheet 2 of 2		
Depth (feet, BGS)	Well Details	Interval	Percent Recovery	Collection Method	Sample Data			Lithologic Column	Soil Description	
					Number	Name (Type)	Blows/6"			
21			90	GP					@ 23.0 to 23.1 feet: Wood debris.	
22										
23										
24									24.0 to 27.0 feet: SILTY SAND (SM); gray; 20% fines; 80% sand, fine to medium; moist.	
25									@ 24.0 to 25.0 feet: Trace wood debris.	
26					100	GP			@ 25.0 feet to 26.0 feet: Wet.	
27						GW			@ 27.0 feet: Transitions to more fines.	
28									27.0 to 30.0 feet: SILT with SAND (ML); gray; 80% fines, low plasticity; 20% sand, fine; medium; moist.	
29										
30							GP09-W-30.0			@ 29.7 feet: Increase fine sand content to 50%; becomes light brown. Total boring depth 30.0 feet below ground surface.

NOTES: (1) Borehole was backfilled with 3/4-inch bentonite chips hydrated with potable water. (2) Soil samples collected from 2.0 to 4.0 feet, 13.0 to 15.0 feet and 24.0 to 26.0 feet intervals. (3) Groundwater sample collected using a 4.0 foot long temporary screen.

GBLWC W:\GINT\GINT\PROJECTS\0564.01\03-01\GP1-GP17.GPJ 8/5/14

NOTES: (1) Borehole was backfilled with 3/4-inch bentonite chips hydrated with potable water. (2) Soil samples collected from 2.0 to 4.0 feet, 13.0 to 15.0 feet and 24.0 to 26.0 feet intervals. (3) Groundwater sample collected using a 4.0 foot long temporary screen.

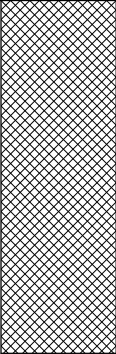
Geologic Borehole Log/Well Construction

Sheet
1 of 2

TOC Elevation (feet)	N/A
Surface Elevation (feet)	
Northing	
Easting	
Hole Depth	25.0-feet
Outer Hole Diam	2.25-inch

Depth (feet, BGS)	Well Details	Interval	Percent Recovery	Sample Data				Soil Description									
				Collection Method	Number	Name (Type)	Blows/6"	Lithologic Column									
1			80	GP	GP10-S-0.0						0 to 5.0 feet: SILT with SAND (ML); brown; 80% fines, low plasticity; 20% sand, fine; stiff; damp.						
2																	
3																	
4																	
5																	
6				100	GP	GP10-S-8.5						5.0 to 9.0 feet: SILTY SAND (SM); brown; 40% fines; 60% sand, fine; soft; damp.					
7																	
8																	
9																	
10																	
11				100	GP	GP10-S-8.5						9.0 to 10.5 feet: SAND (SP-SM); brown; 10% fines; 90% sand, fine to medium; damp.					
12																	
13																	
14																	
15																	
16				60	GP	GP10-S-8.5						10.5 to 11.5 feet: SILT with SAND (ML); brown; 80% fines, low plasticity; 20% sand, fine; soft; damp.					
17																	
18																	
19																	
20																	
											11.5 to 25.0 feet: GRAVELLY SAND with SILT (SW-SM); brown; 10% fines; 50% sand, fine to coarse; 40% gravel, fine to coarse; damp.						
											@ 13.5 to 15.0 feet: coarse light gray angular gravel, dark brown and white sand.						
											@ 18.0 feet: Moist.						

NOTES: (1) Borehole was backfilled with 3/4-inch bentonite chips hydrated with potable water. (2) Soil samples collected from 3.0 to 5.0 feet and 7.0 to 10.0 feet intervals. (3) Groundwater sample collected using a 4.0 foot long temporary screen.

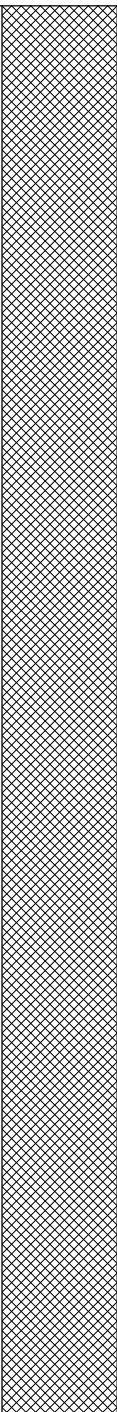
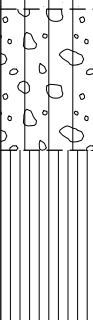
Maul Foster & Alongi, Inc.				Geologic Borehole Log/Well Construction						
				Project Number 0564.01.03-01			Well Number GP-10		Sheet 2 of 2	
Depth (feet, BGS)	Well Details	Interval	Percent Recovery	Collection Method	Sample Data			Lithologic Column	Soil Description	
					Number	Name (Type)	Blows/6"			
21			60	GP						
			GW							
22										
23										
24										
25						GP10-W-25.0				
Total boring depth 25.0 feet below ground surface.										
NOTES: (1) Borehole was backfilled with 3/4-inch bentonite chips hydrated with potable water. (2) Soil samples collected from 3.0 to 5.0 feet and 7.0 to 10.0 feet intervals. (3) Groundwater sample collected using a 4.0 foot long temporary screen.										

Maul Foster & Alongi, Inc.				Geologic Borehole Log/Well Construction						
				Project Number 0564.01.03-01			Well Number GP-13		Sheet 2 of 2	
Depth (feet, BGS)	Well Details	Interval	Percent Recovery	Sample Data				Lithologic Column	Soil Description	
				Collection Method	Number	Name (Type)	Blows/6"			
21			100	GP					@ 20.0 to 22.0 feet: Medium plasticity; wet.	
22			GW							
23										
24										
25										
					GP13-W-25.0				@ 24.0 feet: 1.0 inch of woody debris. 24.0 to 25.0 feet: SANDY SILTY GRAVEL (GW); orangish-brown; 30% fines, nonplastic; 30% sand, fine; 40% gravel, fine to medium; wet.	
Total boring depth 25.0 feet below ground surface.										
NOTES: (1) Borehole was backfilled with 3/4-inch bentonite chips hydrated with potable water. (2) Soil samples collected from 3.0 to 5.0 feet and 12.0 to 14.0 feet intervals. (3) Groundwater sample collected using a 4.0 foot long temporary screen.										

Geologic Borehole Log/Well Construction

Sheet
1 of 2

TOC Elevation (feet)	N/A
Surface Elevation (feet)	
Northing	
Easting	
Hole Depth	25.0-feet
Outer Hole Diam	2.25-inch

Depth (feet, BGS)	Well Details	Interval	Percent Recovery	Sample Data			Blows/6"	Lithologic Column	Soil Description
				Collection Method	Number	Name (Type)			
1		80		GP		GP14-S-0.0			0 to 4.5 feet: SANDY SILTY GRAVEL (GW); very dark gray; 30% fines; 30% sand, fine; 40% gravel, fine to medium; small woody debris; damp.
2									
3									
4									
5		100	GP			GP14-S-4.0			@ 2.0 to 3.0 feet: Becomes orange; woody debris.
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17		60	GP			GP14-S-8.5			@ 4.5 feet: Slight petroleum hydrocarbon-like odor.
18									
19									
20									
21	60	GP						4.5 to 13.0 feet: SILT with SAND and GRAVEL (ML); dark gray; 60% fines, low plasticity; 20% sand, fine; 20% gravel, fine to medium; slight petroleum hydrocarbon-like odor; damp.	
22									
23									
24									
25									@ 7.0 feet: Rootlets.
26									
27									
28									
29									@ 10.0 feet: Transitions to gray.
30									
31									
32									
33									13.0 to 15.0 feet: GRAVELLY SILT (ML); brown; 50% fines; 10% sand; 40% gravel, fine to coarse; damp.
34									
35									
36									
37									15.0 to 17.5 feet: SILT (ML); gray; 90% fines, low plasticity; 10% sand, fine; moist.
38									
39									
40									
41									17.5 to 23.0 feet: SANDY GRAVEL (GW); brown; 10% fines; 40% sand, fine to coarse; 50% gravel, fine to coarse; moist.
42									
43									
44									

NOTES: (1) Borehole was backfilled with 3/4-inch bentonite chips hydrated with potable water. (2) Soil samples collected from 3.0 to 5.0 feet and 7.0 to 10.0 feet intervals. (3) Groundwater sample collected using a 4.0 foot long temporary screen.

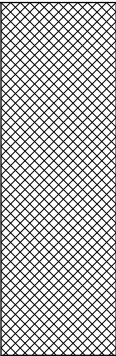
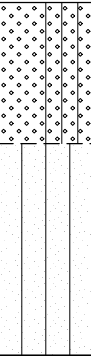
GBLWC W:\GINT\GINT\PROJECTS\0564.01\03-01\GP1-GP17.GPJ 8/5/14

Maul Foster & Alongi, Inc.				Geologic Borehole Log/Well Construction				
				Project Number 0564.01.03-01		Well Number GP-14		Sheet 2 of 2
Depth (feet, BGS)	Well Details	Interval	Percent Recovery	Sample Data			Lithologic Column	Soil Description
				Collection Method	Number	Name (Type)		
21			60	GP				@ 20.0 feet: Transitions to wet.
22								GW
23								
24								
25								
								23.0 to 25.0 feet: SAND with SILT (SP-SM); brown; 20% fines; 80% sand, fine to medium; wet.
						GP14-W-25.0		
Total boring depth 25.0 feet below ground surface.								
NOTES: (1) Borehole was backfilled with 3/4-inch bentonite chips hydrated with potable water. (2) Soil samples collected from 3.0 to 5.0 feet and 7.0 to 10.0 feet intervals. (3) Groundwater sample collected using a 4.0 foot long temporary screen.								

GBLWC WA\GINT\GINT\PROJECTS\0564.01\03-01\GP1-GP17.GPJ 8/5/14

Maul Foster & Alongi, Inc.		Geologic Borehole Log/Well Construction									
		Project Number 0564.01.03-01			Well Number GP-15			Sheet 1 of 2			
Project Name		Schmid Family Limited Partnership I, LLC					TOC Elevation (feet)		N/A		
Project Location		1411 32nd Street, Washougal, WA					Surface Elevation (feet)				
Start/End Date		4/19/12 to 4/19/12					Northing				
Driller/Equipment		Pacific Soil & Water/AMS 9500-VTR					Easting				
Geologist/Engineer		Lindsey Crosby					Hole Depth		25.0-feet		
Sample Method		Direct Push					Outer Hole Diam		2.25-inch		
Depth (feet, BGS)	Well Details	Interval	Percent Recovery	Collection Method	Sample Data			Blows/6"	Lithologic Column	Soil Description	
					Number	Name (Type)					
1		80		GP						0 to 2.5 feet: GRAVELLY SAND with SILT (SP-SM); dark gray; 10% fines; 50% sand, fine to medium; 40% gravel, fine to coarse, stiff; strong petroleum hydrocarbon-like odor; damp.	
2						GP15-S-2.0					
3										2.5 to 7.0 feet: SILT with SAND (ML); brown; 80% fines, nonplastic; 20% sand, fine; damp.	
4											
5		80		GP		GP15-S-4.5					
6											
7										7.0 to 9.5 feet: SILTY SAND (SM); brown; 30% fines; 60% sand, fine to medium; 10% gravel, fine; damp.	
8										@ 7.5 feet: Sand transitions to fine.	
9											
10		60		GP						9.5 to 22.0 feet: GRAVELLY SAND with SILT (SW-SM); brown; 10% fines; 50% sand, fine to coarse; 40% gravel, fine to coarse; damp.	
11											
12											
13											
14											
15		50		GP							
16											
17											
18										@ 18.0 feet: Coarse gray gravel and some red sand.	
19											
20											

NOTES: (1) Borehole was backfilled with 3/4-inch bentonite chips hydrated with potable water. (2) Soil sample interval collected 0.5 feet above and below depth provided in sample name. (3) Groundwater sample collected using a 4.0 foot long temporary screen.

Maul Foster & Alongi, Inc.				Geologic Borehole Log/Well Construction						
				Project Number 0564.01.03-01			Well Number GP-15		Sheet 2 of 2	
Depth (feet, BGS)	Well Details	Interval	Percent Recovery	Sample Data			Blows/6"	Lithologic Column	Soil Description	
				Collection Method	Number	Name (Type)				
21			80	GP					@ 20.0 feet: Wet.	
			GW							
22										
23										
24										
25					GP15-W-25.0				22.0 to 25.0 feet: SILTY SAND (SM); brown; 20% fines; 80% sand, fine to medium; wet.	
Total boring depth 25.0 feet below ground surface.										
NOTES: (1) Borehole was backfilled with 3/4-inch bentonite chips hydrated with potable water. (2) Soil sample interval collected 0.5 feet above and below depth provided in sample name. (3) Groundwater sample collected using a 4.0 foot long temporary screen.										

Maul Foster & Alongi, Inc.

Geologic Borehole Log/Well Construction

Project Number
0564.01.03-01

Well Number
GP-16

Sheet
1 of 2

Project Name **Schmid Family Limited Partnership I, LLC**
Project Location **1411 32nd Street, Washougal, WA**
Start/End Date **4/19/12 to 4/19/12**
Driller/Equipment **Pacific Soil & Water/AMS 9500-VTR**
Geologist/Engineer **Lindsey Crosby**
Sample Method **Direct Push**

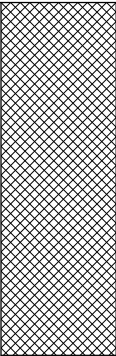
TOC Elevation (feet) **N/A**
Surface Elevation (feet)
Northing
Easting
Hole Depth **25.0-feet**
Outer Hole Diam **2.25-inch**

Depth (feet, BGS)	Well Details	Interval	Percent Recovery	Sample Data			Blows/6"	Lithologic Column	Soil Description
				Collection Method	Number	Name (Type)			
1		90		GP		GP16-S-1.0			0 to 0.5 feet: SANDY GRAVEL with SILT (GW-GM); very dark brown; 10% fines; 40% sand, fine to coarse; 50% gravel, fine to medium; rootlets; moist.
2									0.5 to 7.0 feet: SILT with SAND (ML); brown; 70% fines; 30% sand, fine; very stiff; damp.
3									@ 2.0 feet: 3.0 inch lens of small charcoal-like debris.
4									
5		100		GP					@ 5.0 feet: Becomes medium stiff.
6									
7									
8									7.0 to 10.0 feet: SANDY SILTY GRAVEL (GM); brown; 20% fines; 40% sand, fine to coarse; 40% gravel, fine to coarse; damp.
9									
10		60		GP					@ 9.5 to 9.8 feet: Coarse light gray gravel and orangish-brown sand.
11									10.0 to 10.5 feet: SILT with SAND (ML); brown; 70% fines, low plasticity; 30% sand, fine; soft; moist.
12									10.5 to 13.0 feet: GRAVELLY SAND with SILT (SW-SM); brown; 10% fines; 50% sand, fine to coarse; 40% gravel, fine to coarse; coarse dry gray gravel; damp.
13									
14						GP16-S-14			13.0 to 16.0 feet: SILTY SAND (SM); dark brown; 30% fines; 60% sand, fine to medium; 10% gravel, fine to medium; dark gray gravel; dense; damp.
15		60		GP					@ 14.8 feet: Moist.
16									
17									16.0 to 25.0 feet: SILTY GRAVELLY SAND (SW); brown; 20% fines; 40% sand, fine to coarse; 40% gravel, fine to coarse; moist.
18									
19									
20									

NOTES: (1) Borehole was backfilled with 3/4-inch bentonite chips hydrated with potable water. (2) Soil sample interval collected 0.5 feet above and below depth provided in sample name. (3) Groundwater sample collected using a 4.0 foot long temporary screen.

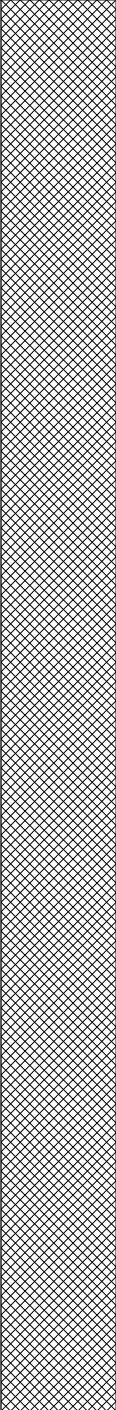
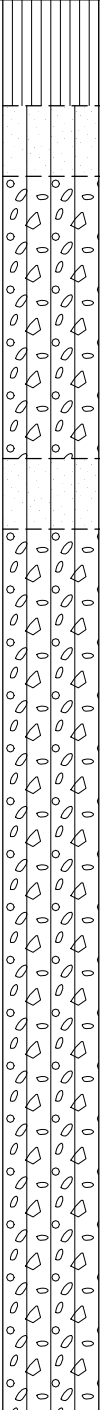


Water level 25.0' observed while drilling.

Maul Foster & Alongi, Inc.				Geologic Borehole Log/Well Construction						
				Project Number 0564.01.03-01			Well Number GP-16		Sheet 2 of 2	
Depth (feet, BGS)	Well Details	Interval	Percent Recovery	Sample Data			Blows/6"	Lithologic Column	Soil Description	
				Collection Method	Number	Name (Type)				
21			50	GP					@ 20.0 feet: Transitions to wet.	
22										
23										
24										
25										
GP16-W-25.0										
Total boring depth 25.0 feet below ground surface.										
NOTES: (1) Borehole was backfilled with 3/4-inch bentonite chips hydrated with potable water. (2) Soil sample interval collected 0.5 feet above and below depth provided in sample name. (3) Groundwater sample collected using a 4.0 foot long temporary screen.  Water level 25.0' observed while drilling.										

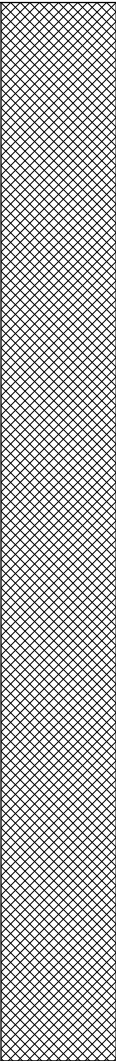
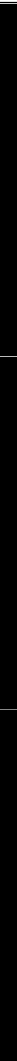
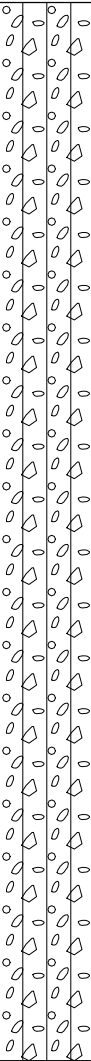
GBLWC W:\GINTGINT\PROJECTS\0564.01\03-01\GP1-GP17.GPJ 8/5/14

GBLWC WA\GINT\GINT\PROJECTS\0564.01\03-01\GP1-GP17.GPJ 8/5/14

Maul Foster & Alongi, Inc.		Geologic Borehole Log/Well Construction									
		Project Number 0564.01.03-01			Well Number GP-17			Sheet 1 of 2			
Project Name		Schmid Family Limited Partnership I, LLC					TOC Elevation (feet)		N/A		
Project Location		1411 32nd Street, Washougal, WA					Surface Elevation (feet)				
Start/End Date		4/18/12 to 4/18/12					Northing				
Driller/Equipment		Pacific Soil & Water/AMS 9500-VTR					Easting				
Geologist/Engineer		Lindsey Crosby					Hole Depth		35.0-feet		
Sample Method		Direct Push					Outer Hole Diam		2.25-inch		
Depth (feet, BGS)	Well Details	Interval	Percent Recovery	Collection Method	Sample Data			Blows/6"	Lithologic Column	Soil Description	
					Number	Name (Type)					
1			60	GP	GP17-S-1.0				0 to 1.5 feet: SILT (ML); dark brown; 90% fines, nonplastic; 10% sand; grass at surface; damp.		
				1.5 to 2.5 feet: SILT with SAND (ML); orangish-brown; 60% fines; 30% sand, fine; 10% gravel, fine to medium, stiff; damp.							
2									2.5 to 6.5 feet: SANDY SILTY GRAVEL (GM); orangish-brown; 20% fines; 40% sand, fine to medium; 40% gravel, fine to coarse; damp.		
3									6.5 to 7.5 feet: SANDY SILT (ML); orangish-brown; 50% fines; 30% sand; 20% gravel; damp.		
4									7.5 to 35.0 feet: SANDY SILTY GRAVEL (GM); orangish-brown; 20% fines; 40% sand, fine to coarse; 40% gravel, fine to coarse, pink; basalt, andesite and quartzite gravel; damp.		
5											
6			60	GP							
7											
8											
9											
10			60	GP							
11											
12											
13											
14											
15			80	GP							
16											
17											
18											
19											
20											

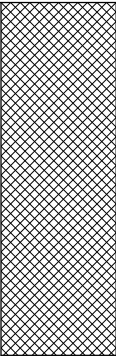
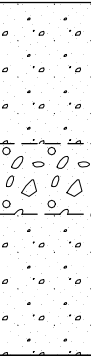
NOTES: (1) Borehole was backfilled with 3/4-inch bentonite chips hydrated with potable water. (2) Soil sample interval collected 0.5 feet above and below depth provided in sample name. (3) Groundwater sample collected using a 4.0 foot long temporary screen.

 **Water level 31.5' observed while drilling.**

Maul Foster & Alongi, Inc.				Geologic Borehole Log/Well Construction					
				Project Number 0564.01.03-01		Well Number GP-17		Sheet 2 of 2	
Depth (feet, BGS)	Well Details	Interval	Percent Recovery	Sample Data			Blows/6"	Lithologic Column	Soil Description
				Collection Method	Number	Name (Type)			
21			70	GP					
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									
33									
34									
35									
GP17-W-35.0									
Total boring depth 35.0 feet below ground surface.									
NOTES: (1) Borehole was backfilled with 3/4-inch bentonite chips hydrated with potable water. (2) Soil sample interval collected 0.5 feet above and below depth provided in sample name. (3) Groundwater sample collected using a 4.0 foot long temporary screen.  Water level 31.5' observed while drilling.									

GBLWC W:\GINT\GINT\PROJECTS\0564.01\03-01\GP1-GP17.GPJ 8/5/14

GBLWC W:\GINTGINT\PROJECTS\0564.02.01\0564.02.01.GPJ 8/5/14

Maul Foster & Alongi, Inc.				Geologic Borehole Log/Well Construction					
				Project Number 0564.02.01		Well Number GP-18		Sheet 2 of 2	
Depth (feet, BGS)	Well Details	Interval	Percent Recovery	Sample Data			Blows/6"	Lithologic Column	Soil Description
				Collection Method	Number	Name (Type)			
21			100	GP					20.0 to 22.0 feet: SAND (SW); reddish-brown; 10% fines; 90% sand; trace gravel; wet.
22									22.0 to 23.0 feet: SANDY SILTY GRAVEL (GW); brown; 20% fines; 20% sand; 60% gravel, medium; wet.
23									23.0 to 25.0 feet: SAND (SW); reddish-brown; 10% fines; 90% sand; trace gravel; wet.
24									
25									
Total boring depth = 25.0 feet below ground surface.									
NOTES: (1) Borehole was backfilled with 3/4-inch bentonite chips hydrated with potable water. (2) Groundwater sample collected using a 4-foot long temporary screen. (3) Soil sample collected 0.5 feet above and below depth provided in sample name. (4) GP = Geoprobe. (5) WLI = Water level indicator. Water level 17.0 feet below ground surface measured with WLI after temporary screen set in borehole.									



GBLWC W:\GINT\GINT\PROJECTS\0564.02.01\0564.02.01.GPJ 8/5/14

Maul Foster & Alongi, Inc.		Geologic Borehole Log/Well Construction							
		Project Number 0564.02.01		Well Number GP-20		Sheet 1 of 2			
Project Name		Schmid Family Limited Partnership I, LLC - 32nd Street				TOC Elevation (feet)			
Project Location		1411 32nd Street, Washougal, WA				Surface Elevation (feet)			
Start/End Date		10/15/13 to 10/15/13				Northing			
Driller/Equipment		Cascade Drilling (Kyle King)/Geoprobe 6620DT				Easting			
Geologist/Engineer		Andrew Vidourek/Sharlene Harvester				Hole Depth		25.0-feet	
Sample Method		Direct Push				Outer Hole Diam		2.25-inch	
Depth (feet, BGS)	Well Details		Interval	Percent Recovery	Sample Data			Lithologic Column	Soil Description
					Collection Method	Number	Name (Type)		
1			100	GP					0 to 8.0 feet: SILT with SAND (ML); reddish-brown mottled with tan; 85% fines, coarse; 15% sand; dry to moist.
2									
3									
4									
5			100	GP					
6									
7									
8					GP20-S-7.5				8.0 to 9.0 feet: SANDY SILT (ML); reddish-brown mottled with tan; 70% fines, fine, 30% sand.
9									
10			40	GP					9.0 to 10.0 feet: GRAVELLY SAND with SILT (SW-SM); dark yellowish-brown; 10% fines; 70% sand, medium to coarse; 20% gravel, fine to medium; dry.
11									@ 9.2 feet: Gray lens.
12									10.0 to 11.0 feet: SILT (ML); reddish-brown; 100% fines, fine; trace sand; moist.
13									11.0 to 12.0 feet: SAND with SILT (SW-SM); grayish-brown mottled with reddish-brown; 10% fines; 80% sand; 10% gravel; moist.
14					GP20-S-14				@ 11.0 feet: Dark brown.
15			60	GP					@ 11.5 feet: Chalky white.
16									12.0 to 15.0 feet: No recovery.
17									
18									15.0 to 17.0 feet: GRAVELLY SAND with SILT (SW-SM); reddish-brown; 10% fines; 70% sand, medium to coarse; 20% gravel, fine to coarse; wet.
19									17.0 to 17.5 feet: SILTY SAND (SM); reddish-brown; 20% fines; 80% sand, fine; wet.
20									17.5 to 18.0 feet: SAND (SW); dark reddish-brown; 100% sand, medium to coarse; trace fines; wet.
									18.0 to 20.0 feet: No recovery.

NOTES: (1) Borehole was backfilled with 3/4-inch bentonite chips hydrated with potable water. (2) Groundwater sample collected using a 4-foot long temporary screen. (3) Soil sample collected 0.5 feet above and below depth provided in sample name. (4) GP = Geoprobe. (5) WLI = Water level indicator.

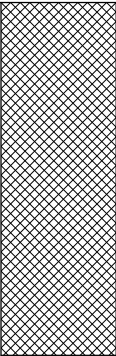
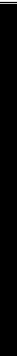
Water level 15.6 feet below ground surface measured with WLI after temporary screen set in borehole.

NOTES: (1) Borehole was backfilled with 3/4-inch bentonite chips hydrated with potable water. (2) Groundwater sample collected using a 4-foot long temporary screen. (3) Soil sample collected 0.5 feet above and below depth provided in sample name. (4) GP = Geoprobe. (5) WLI = Water level indicator.

Water level 15.6 feet below ground surface measured with WLI after temporary screen set in borehole.



GBLWC W:\GINT\GINT\PROJECTS\0564.02.01\0564.02.01.GPJ 8/5/14

Maul Foster & Alongi, Inc.				Geologic Borehole Log/Well Construction						
				Project Number 0564.02.01			Well Number GP-20		Sheet 2 of 2	
Depth (feet, BGS)	Well Details	Interval	Percent Recovery	Sample Data				Lithologic Column	Soil Description	
				Collection Method	Number	Name (Type)	Blows/6"			
21			60	GP					20.0 to 23.0 feet: GRAVELLY SAND (SW); reddish-brown; 70% sand; 30% gravel, fine to medium, subangular; wet. @ 20.5 feet: Dark gray with angular gravel.	
22										
23										
24										
25										
23.0 to 25.0 feet: No recovery.										
Total boring depth = 25.0 feet below ground surface.										
NOTES: (1) Borehole was backfilled with 3/4-inch bentonite chips hydrated with potable water. (2) Groundwater sample collected using a 4-foot long temporary screen. (3) Soil sample collected 0.5 feet above and below depth provided in sample name. (4) GP = Geoprobe. (5) WLI = Water level indicator. Water level 15.6 feet below ground surface measured with WLI after temporary screen set in borehole.										



GBLWC W:\GINT\GINT\WIP\PROJECTS\0564.02.01\0564.02.01.GPJ 8/5/14

Maul Foster & Alongi, Inc.				Geologic Borehole Log/Well Construction						
				Project Number 0564.02.01		Well Number GP-21		Sheet 2 of 2		
Depth (feet, BGS)	Well Details	Interval	Percent Recovery	Sample Data			Blows/6"	Lithologic Column	Soil Description	
				Collection Method	Number	Name (Type)				
21			75	GP					20.0 to 22.0 feet: SILT with SAND (ML); brown; 85% fines; 15% sand; sheen; petroleum hydrocarbon-like odor; wet.	
22										
23									GP21-S-22.5	22.0 to 23.5 feet: GRAVELLY SAND (SW); dark gray; 60% sand; 40% gravel, coarse; faint petroleum hydrocarbon-like odor; dry. @ 22.5 feet: Changes to reddish-brown. No odor observed.
24										
25										23.5 to 25.0 feet: No recovery.
Total boring depth = 25.0 feet below ground surface.										
NOTES: (1) Borehole was backfilled with 3/4-inch bentonite chips hydrated with potable water. (2) Groundwater sample collected using a 4-foot long temporary screen. (3) Soil sample collected 0.5 feet above and below depth provided in sample name. (4) GP = Geoprobe. (5) WLI = Water level indicator. Water level 21.7 feet below ground surface measured with WLI after temporary screen set in borehole.										



GBLWC W:\GINT\GINT\PROJECTS\0564.02.01\0564.02.01.GPJ 8/5/14

Maul Foster & Alongi, Inc.		Geologic Borehole Log/Well Construction							
		Project Number 0564.02.01		Well Number GP-22		Sheet 1 of 2			
Project Name		Schmid Family Limited Partnership I, LLC - 32nd Street				TOC Elevation (feet)			
Project Location		1411 32nd Street, Washougal, WA				Surface Elevation (feet)			
Start/End Date		10/11/13 to 10/11/13				Northing			
Driller/Equipment		Cascade Drilling (Kyle King)/Geoprobe 6620DT				Easting			
Geologist/Engineer		Andrew Vidourek/Sharlene Harvester				Hole Depth		30.0-feet	
Sample Method		Direct Push				Outer Hole Diam		2.25-inch	
Depth (feet, BGS)	Well Details	Interval	Percent Recovery	Sample Data			Lithologic Column	Soil Description	
				Collection Method	Number	Name (Type)			
1		100	GP	GP22-S-2			0 to 0.5 feet: ORGANICS/GRASS (TOPSOIL); reddish-brown.		
2		0.5 to 4.0 feet: SAND (SW); reddish-brown; 100% sand; trace fines and gravel; dry.							
3									
4									
5		100	GP	GP22-S-12			4.0 to 13.0 feet: SILT (ML); reddish-brown; 100% fines; trace gravel; moist.		
6		@ 4.5 feet: Dark gray.							
7		@ 5.0 feet: Chunks of rubber; petroleum hydrocarbon-like odor.							
8									
9						@ 7.0 to 9.0 feet: Changes to GRAVELLY SILT (ML); 70% fines; 30% gravel.			
10		100	GP	GP22-S-13.5			@ 12.5 feet: Woody debris.		
11									13.0 to 14.5 feet: SILTY SAND (SM); very dark brown; 30% fines; 70% sand; dry.
12									@ 13.5 feet: Black staining; petroleum hydrocarbon-like odor.
13									14.5 to 15.0 feet: No recovery.
14		50	GP				15.0 to 16.5 feet: SILT (ML); dark gray; 100% fines; moist.		
15							@ 15.1 feet: Trace red flakes.		
16							@ 15.5 feet: Sheen; faint petroleum hydrocarbon-like odor.		
17							16.5 to 17.5 feet: SILT with GRAVEL (ML); dark gray; 80% fines; 20% gravel; moist.		
18							17.5 to 20.0 feet: No recovery.		
19									
20									

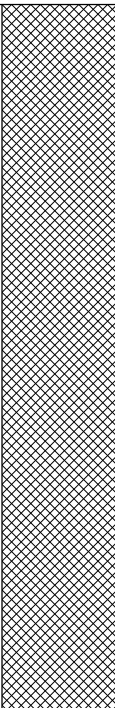
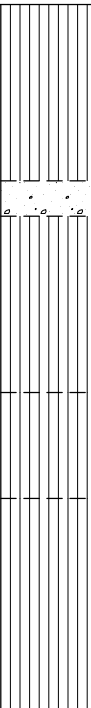
NOTES: (1) Borehole was backfilled with 3/4-inch bentonite chips hydrated with potable water. (2) Groundwater sample collected using a 4-foot long temporary screen. (3) Soil sample collected 0.5 feet above and below depth provided in sample name. (4) GP = Geoprobe. (5) WLI = Water level indicator.

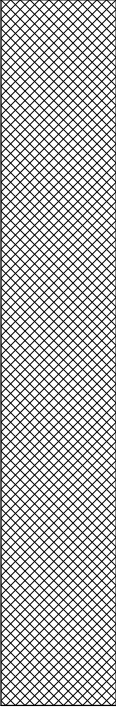
Water level 23.4 feet below ground surface measured with WLI after temporary screen set in borehole.

NOTES: (1) Borehole was backfilled with 3/4-inch bentonite chips hydrated with potable water. (2) Groundwater sample collected using a 4-foot long temporary screen. (3) Soil sample collected 0.5 feet above and below depth provided in sample name. (4) GP = Geoprobe. (5) WLI = Water level indicator.

Water level 23.4 feet below ground surface measured with WLI after temporary screen set in borehole.



Maul Foster & Alongi, Inc.			Geologic Borehole Log/Well Construction						
			Project Number 0564.02.01			Well Number GP-22		Sheet 2 of 2	
Depth (feet, BGS)	Well Details	Interval	Percent Recovery	Sample Data			Blows/6"	Lithologic Column	Soil Description
				Collection Method	Number	Name (Type)			
21			100	GP					20.0 to 22.5 feet: SILT (ML); dark gray; 100% fines; trace gravel; moist.
22									
23									22.5 to 23.0 feet: SAND (SW); brown; 100% sand; trace fines; dry.
24									23.0 to 25.5 feet: SILT (ML); dark gray; 100% fines; trace sand and gravel; dry transitioning to moist. @ 23.1 feet: Woody debris.
25									@ 24.5 feet: Changes to reddish-brown.
26									25.5 to 27.0 feet: SILT (ML); dark gray; 100% fines; trace sand; moist. @ 26.6 feet: Sand lens.
27									
28									27.0 to 30.0 feet: SILT with GRAVEL (ML); brown; 70% fines; 10% sand; 20% gravel.
29									
30									
Total boring depth = 30.0 feet below ground surface.									
NOTES: (1) Borehole was backfilled with 3/4-inch bentonite chips hydrated with potable water. (2) Groundwater sample collected using a 4-foot long temporary screen. (3) Soil sample collected 0.5 feet above and below depth provided in sample name. (4) GP = Geoprobe. (5) WLI = Water level indicator. Water level 23.4 feet below ground surface measured with WLI after temporary screen set in borehole. 									

Maul Foster & Alongi, Inc.		Geologic Borehole Log/Well Construction									
		Project Number 0564.02.01				Well Number GP-23			Sheet 1 of 1		
Project Name		Schmid Family Limited Partnership I, LLC - 32nd Street					TOC Elevation (feet)				
Project Location		1411 32nd Street, Washougal, WA					Surface Elevation (feet)				
Start/End Date		10/11/13 to 10/11/13					Northing				
Driller/Equipment		Cascade Drilling (Kyle King)/Geoprobe 6620DT					Easting				
Geologist/Engineer		Andrew Vidourek/Sharlene Harvester					Hole Depth 10.0-feet				
Sample Method		Direct Push					Outer Hole Diam 2.25-inch				
Depth (feet, BGS)	Well Details	Interval	Percent Recovery	Collection Method	Sample Data			Blows/6"	Lithologic Column	Soil Description	
					Number	Name (Type)					
1			60	GP						0 to 0.5 feet: ORGANICS/GRASS (TOPSOIL); dry.	
2										0.5 to 10.0 feet: SILT (ML); brown with red and tan mottling; 100% fines, fine, low plasticity; dry.	
3											
4											
5			100	GP							
6										@ 6.0 feet: Moist.	
7											
8											
9											
10											
Total boring depth = 10.0 feet below ground surface.											
NOTES: (1) Borehole was backfilled with 3/4-inch bentonite chips hydrated with potable water. (2) Groundwater sample collected using a 4-foot long temporary screen. (3) Soil sample collected 0.5 feet above and below depth provided in sample name. (4) GP = Geoprobe. (5) WLI = Water level indicator. Water level 6.75 feet below ground surface measured with WLI after temporary screen set in borehole. 											

GBLWC W:\GINT\GINT\PROJECTS\0564.02.01\0564.02.01.GPJ 8/5/14

Maul Foster & Alongi, Inc.		Geologic Borehole Log/Well Construction									
		Project Number 0564.02.01				Well Number GP-24			Sheet 1 of 1		
Project Name Project Location Start/End Date Driller/Equipment Geologist/Engineer Sample Method		Schmid Family Limited Partnership I, LLC - 32nd Street 1411 32nd Street, Washougal, WA 10/15/13 to 10/15/13 Cascade Drilling (Kyle King)/Geoprobe 6620DT Andrew Vidourek/Sharlene Harvester Direct Push						TOC Elevation (feet) Surface Elevation (feet) Northing Easting Hole Depth Outer Hole Diam			
								15.0-feet 2.25-inch			
Depth (feet, BGS)	Well Details	Interval	Percent Recovery	Collection Method	Number	Name (Type)	Blows/6"	Lithologic Column	Soil Description		
1		100		GP					0 to 2.5 feet: SILTY SAND (SP); dark reddish-brown; 30% fines; 70% sand; dry.		
2											
3						GP24-S-2			2.5 to 5.0 feet: SANDY SILT (ML); dark reddish-brown; 70% fines, coarse; 30% sand, fine; moist.		
4											
5		100		GP		GP24-S-5			5.0 to 8.0 feet: SILTY SAND (SM); brown; 30% fines, coarse; 70% sand, fine; moist.		
6											
7									8.0 to 11.0 feet: SAND (SP); brown with reddish-brown mottling; 100% sand; trace fines; moist.		
8											
9									11.0 to 13.0 feet: SAND (SW); reddish-brown; 100% sand, fine to coarse; trace gravel, fine; wet.		
10		100		GP							
11									13.0 to 15.0 feet: GRAVELLY SAND (SW); reddish-brown; 50% sand, fine to coarse; 50% gravel, fine to medium; wet.		
12											
13									13.0 to 15.0 feet: GRAVELLY SAND (SW); reddish-brown; 50% sand, fine to coarse; 50% gravel, fine to medium; wet.		
14											
15									13.0 to 15.0 feet: GRAVELLY SAND (SW); reddish-brown; 50% sand, fine to coarse; 50% gravel, fine to medium; wet.		
15											
Total boring depth = 15.0 feet below ground surface.											
NOTES: (1) Borehole was backfilled with 3/4-inch bentonite chips hydrated with potable water. (2) Groundwater sample collected using a 4-foot long temporary screen. (3) Soil sample collected 0.5 feet above and below depth provided in sample name. (4) GP = Geoprobe. (5) WLI = Water level indicator. Water level 5.8 feet below ground surface measured with WLI after temporary screen set in borehole.											

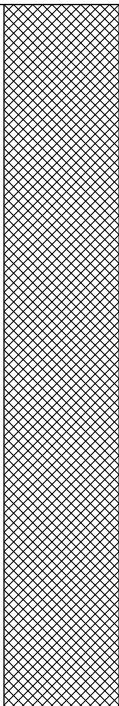
GBLWC W:\GINT\GINT\PROJECTS\0564.02.01\0564.02.01.GPJ 8/5/14

Maul Foster & Alongi, Inc.		Geologic Borehole Log/Well Construction							
		Project Number 0564.02.01		Well Number GP-26		Sheet 1 of 2			
Project Name		Schmid Family Limited Partnership I, LLC - 32nd Street				TOC Elevation (feet)			
Project Location		1411 32nd Street, Washougal, WA				Surface Elevation (feet)			
Start/End Date		10/11/13 to 10/11/13				Northing			
Driller/Equipment		Cascade Drilling (Kyle King)/Geoprobe 6620DT				Easting			
Geologist/Engineer		Andrew Vidourek/Sharlene Harvester				Hole Depth		30.0-feet	
Sample Method		Direct Push				Outer Hole Diam		2.25-inch	
Depth (feet, BGS)	Well Details		Interval	Percent Recovery	Sample Data			Lithologic Column	Soil Description
					Collection Method	Number	Name (Type)		
1			100	GP				0 to 1.0 feet: GRAVEL with SILT (GP-GM); gray; 20% fines; 80% gravel; dry.	
2						GP26-S-2		1.0 to 12.0 feet: SILT (ML); reddish-brown; 100% fines; dry.	
3									
4									
5			100	GP		GP26-S-5			
6									
7									
8									
9								@ 8.5 feet: Sand and gravel lens.	
10			80	GP		GP26-S-10		@ 9.0 feet: Changes to brown; moist.	
11									
12								12.0 to 14.0 feet: GRAVEL with SILT (GP-GM); light brownish-gray; 20% fines; 10% sand; 70% gravel; dry.	
13								@ 12.5 feet: Grayish-green, chalk-like gravel.	
14								@ 13.0 feet: Grayish-brown.	
15								@ 13.5 feet: Gray, coarse, angular gravel.	
16			40	GP				@ 13.9 feet: Whitish-gray, angular gravel.	
17								14.0 to 15.0 feet: No recovery.	
18								15.0 to 17.0 feet: GRAVEL with SILT (GP-GM); light brownish-gray; 20% fines; 10% sand; 70% gravel; dry.	
19								@ 16.0 feet: Brownish-gray.	
20								@ 16.5 feet: Brownish-gray.	
						GP26-S-17		17.0 to 20.0 feet: No recovery.	
	</								

NOTES: (1) Borehole was backfilled with 3/4-inch bentonite chips hydrated with potable water. (2) Groundwater sample collected using a 4-foot long temporary screen. (3) Soil sample collected 0.5 feet above and below depth provided in sample name. (4) GP = Geoprobe. (5) WLI = Water level indicator.

Water level 20.8 feet below ground surface measured with WLI after temporary screen set in borehole.



Maul Foster & Alongi, Inc.			Geologic Borehole Log/Well Construction						
			Project Number 0564.02.01			Well Number GP-26		Sheet 2 of 2	
Depth (feet, BGS)	Well Details	Interval	Percent Recovery	Collection Method	Sample Data			Lithologic Column	Soil Description
					Number	Name (Type)	Blows/6"		
21		30	GP					20.0 to 21.5 feet: GRAVELLY SAND (SW); reddish-brown; 80% sand; 20% gravel; trace fines and red clumps of fines, 2 to 5 mm in diameter; moist. @ 20.1 feet: Gravel lens; brown.	
22								@ 21.0 feet: Gravel lens; dark gray.	
23								21.5 to 25.0 feet: No recovery.	
24									
25									
26		60	GP					25.0 to 28.0 feet: GRAVELLY SAND (SW); reddish-brown; 80% sand; 20% gravel; trace fines and red clumps of fines, 2 to 5 mm in diameter; moist.	
27									
28									
29								28.0 to 30.0 feet: No recovery.	
30									

Total boring depth = 30.0 feet below ground surface.

NOTES: (1) Borehole was backfilled with 3/4-inch bentonite chips hydrated with potable water. (2) Groundwater sample collected using a 4-foot long temporary screen. (3) Soil sample collected 0.5 feet above and below depth provided in sample name. (4) GP = Geoprobe. (5) WLI = Water level indicator.

Water level 20.8 feet below ground surface measured with WLI after temporary screen set in borehole.



GBLWC W:\GINT\GINT\PROJECTS\0564.02.01\0564.02.01.GPJ 8/5/14

Maul Foster & Alongi, Inc.		Geologic Borehole Log/Well Construction							
		Project Number 0564.02.01		Well Number GP-27		Sheet 1 of 2			
Project Name		Schmid Family Limited Partnership I, LLC - 32nd Street				TOC Elevation (feet)			
Project Location		1411 32nd Street, Washougal, WA				Surface Elevation (feet)			
Start/End Date		10/11/13 to 10/11/13				Northing			
Driller/Equipment		Cascade Drilling (Kyle King)/Geoprobe 6620DT				Easting			
Geologist/Engineer		Andrew Vidourek/Sharlene Harvester				Hole Depth		25.0-feet	
Sample Method		Direct Push				Outer Hole Diam		2.25-inch	
Depth (feet, BGS)	Well Details		Interval	Percent Recovery	Sample Data			Lithologic Column	Soil Description
					Collection Method	Number	Name (Type)		
1			100	GP					0 to 0.5 feet: SANDY GRAVEL (GW); dark gray; 20% sand; 80% gravel; dry.
2							GP27-S-2		0.5 to 12.5 feet: SILT (ML); reddish-brown transitioning to yellowish-red, mottled with tan; 100% fines; dry transitioning to moist.
3									
4									
5			100	GP					
6									
7									
8									
9									
10			100	GP			GP27-S-10		
11									
12							GP27-S-12		
13									12.5 to 13.0 feet: SILT with SAND (ML); reddish-brown; 30% fines; 70% sand; moist.
14									13.0 to 15.0 feet: SANDY GRAVEL (GW); light grayish-brown; 20% sand; 80% gravel; trace fines; dry.
15			20	GP					15.0 to 16.0 feet: GRAVEL (GP); dark gray; 100% gravel, angular.
16									16.0 to 18.0 feet: GRAVELLY SAND (SP); dark gray with dark brown mottling; 80% sand; 20% gravel; trace fines.
17									
18									18.0 to 20.0 feet: No recovery.
19									
20									

NOTES: (1) Borehole was backfilled with 3/4-inch bentonite chips hydrated with potable water. (2) Groundwater sample collected using a 4-foot long temporary screen. (3) Soil sample collected 0.5 feet above and below depth provided in sample name. (4) GP = Geoprobe. (5) WLI = Water level indicator.

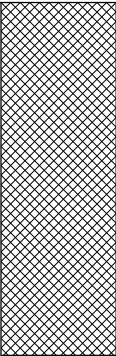
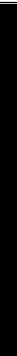
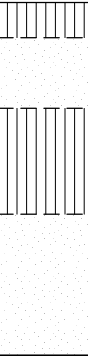
Water level 17.6 feet below ground surface measured with WLI after temporary screen set in borehole.

NOTES: (1) Borehole was backfilled with 3/4-inch bentonite chips hydrated with potable water. (2) Groundwater sample collected using a 4-foot long temporary screen. (3) Soil sample collected 0.5 feet above and below depth provided in sample name. (4) GP = Geoprobe. (5) WLI = Water level indicator.

Water level 17.6 feet below ground surface measured with WLI after temporary screen set in borehole.



GBLWC W:\GINT\GINT\PROJECTS\0564.02.01\0564.02.01.GPJ 8/5/14

Maul Foster & Alongi, Inc.				Geologic Borehole Log/Well Construction					
				Project Number 0564.02.01		Well Number GP-27		Sheet 2 of 2	
Depth (feet, BGS)	Well Details	Interval	Percent Recovery	Sample Data			Blows/6"	Lithologic Column	Soil Description
				Collection Method	Number	Name (Type)			
21			100	GP					20.0 to 20.5 feet: SILT (ML); reddish-brown; 100% fines; wet.
22									20.5 to 21.5 feet: GRAVELLY SAND (SP); brown; 80% sand; 20% sand; wet.
23									21.5 to 23.0 feet: SILT (ML); brown; 100% fines; trace sand; moist.
24									23.0 to 25.0 feet: SAND with GRAVEL (SP); brown; 90% sand; 10% gravel; trace red and orange clumps of fines; moist.
25									
Total boring depth = 25.0 feet below ground surface.									
NOTES: (1) Borehole was backfilled with 3/4-inch bentonite chips hydrated with potable water. (2) Groundwater sample collected using a 4-foot long temporary screen. (3) Soil sample collected 0.5 feet above and below depth provided in sample name. (4) GP = Geoprobe. (5) WLI = Water level indicator. Water level 17.6 feet below ground surface measured with WLI after temporary screen set in borehole.									



Maul Foster & Alongi, Inc.

Geologic Borehole Log/Well Construction

Project Number
0564.02.01

Well Number
MW1

Sheet
1 of 2

Project Name **Schmid Family Limited Partnership, LLC.**
Project Location **1411 32nd street, Washougal, Washington**
Start/End Date **3/10/2014 to 3/10/2014**
Driller/Equipment **Tyler Day/Geoprobe 8040DT**
Geologist/Engineer **Mike Murray**
Sample Method **Direct Push**

TOC Elevation (feet)
Surface Elevation (feet)
Northing
Easting
Hole Depth **23.5-feet**
Outer Hole Diam **3.5-inch**

Depth (feet, BGS)	Well Details	Interval	Percent Recovery	Sample Data			Blows/6"	Lithologic Column	Soil Description
				Collection Method	Number	Name (Type)			
1									0.0 to 5.0 feet: FILL (FILL); grey; 50% fines, medium plasticity, firm; 25% sand; 25% gravel, angular; moist.
2									
3									
4									
5									
6									5.0 to 6.0 feet: NO RECOVERY.
7									6.0 to 7.5 feet: SANDY GRAVEL (GWS); tan; loose; angular; plastic; wet.
8									7.5 to 13.0 feet: SANDY SILT (MLS); tan; sticky; damp.
9									
10									
11									
12									
13									13.0 to 14.5 feet: GRAVELLY SANDY SILT (MLS); grey; 25% gravel; hydrocarbon-like odor.
14									
15									14.5 to 16.5 feet: SANDY SILT (MLS); wet.
16									
17									16.5 to 17.0 feet: SANDY SILT (MLS); gray; hydrocarbon-like odor; wet.
18									17.0 to 19.0 feet: SAND (SP); tan; trace gravel; medium; moist.
19									
20									19.0 to 23.5 feet: SAND (SP); gray; 15% trace gravel; loose; hydrocarbon-like odor; wet.

NOTES: (1) BGS = Below ground surface.



Water level 13' observed while drilling.

Maul Foster & Alongi, Inc.

Geologic Borehole Log/Well Construction

Project Number
0564.02.01

Well Number
MW2

Sheet
1 of 2

Project Name **Schmid Family Limited Partnership, LLC.**
 Project Location **1411 32nd street, Washougal, Washington**
 Start/End Date **3/10/2014 to 3/10/2014**
 Driller/Equipment **Tyler Day/Geoprobe 8040DT**
 Geologist/Engineer **Mike Murray**
 Sample Method **Direct Push**

TOC Elevation (feet)
 Surface Elevation (feet)
 Northing
 Easting
 Hole Depth **25.0-feet**
 Outer Hole Diam **3.5-inch**

Depth (feet, BGS)	Well Details	Interval	Percent Recovery	Collection Method	Sample Data			Blows/6"	Lithologic Column	Soil Description
					Number	Name (Type)				
1										0.0 to 0.5 feet: SILTY SAND (TOPSOIL); tan; roots; trace angular gravel.
2										0.5 to 2.0 feet: SANDY GRAVEL (FILL); grayish tan.
3										2.0 to 7.0 feet: SANDY SILT (MLS); tan; firm; damp.
4										
5										
6										
7										
8										7.0 to 21.0 feet: SANDY SILTY GRAVEL (GM); tan; 70% gravel, angular, green to white; firm damp.
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										

NOTES: (1) BGS = Below ground surface.



Water level 21' observed while drilling.

GBLWC W:\GINT\GINT\PROJECTS\0564.01\0564.02.01 SCHMID 32ND.GPJ 8/5/14

Maul Foster & Alongi, Inc.		Geologic Borehole Log/Well Construction									
		Project Number 0564.02.01			Well Number MW3			Sheet 1 of 2			
Project Name		Schmid Family Limited Partnership, LLC.					TOC Elevation (feet)				
Project Location		1411 32nd street, Washougal, Washington					Surface Elevation (feet)				
Start/End Date		3/10/2014 to 3/10/2014					Northing				
Driller/Equipment		Tyler Day/Geoprobe 8040DT					Easting				
Geologist/Engineer		Mike Murray					Hole Depth 30.0-feet				
Sample Method		Direct Push					Outer Hole Diam 3.5-inch				
Depth (feet, BGS)	Well Details	Interval	Percent Recovery	Collection Method	Sample Data			Blows/6"	Lithologic Column	Soil Description	
					Number	Name (Type)					
1										0.0 to 0.5 feet: SANDY SILT (TOPSOIL); tannish brown; 10% gravel.	
2										0.5 to 1.0 feet: SILTY SANDY GRAVEL (GPS); tan; angular; firm; damp.	
3										1.0 to 5.0 feet: NO RECOVERY.	
4											
5											
6										5.0 to 13.0 feet: SANDY SILT (MLS); tan; firm; trace gravel, white and green; moist.	
7											
8											
9											
10											
11											
12											
13											
14										13.0 to 19.0 feet: SANDY GRAVEL (GPS); angular; firm.	
15											
16											
17											
18											
19										19.0 to 21.5 feet: SANDY SILT (MLS); trace gravel; loose; wet.	
20											
NOTES: (1) BGS = Below ground surface.											
 Water level 19' observed while drilling.											

GBLWC W:\GINT\GINT\PROJECTS\0564.01\0564.02.01 SCHMID 32ND.GPJ 8/5/14

Maul Foster & Alongi, Inc.		Geologic Borehole Log/Well Construction									
		Project Number 0564.02.01			Well Number MW4			Sheet 1 of 2			
Project Name		Schmid Family Limited Partnership, LLC.					TOC Elevation (feet)				
Project Location		1411 32nd street, Washougal, Washington					Surface Elevation (feet)				
Start/End Date		3/10/2014 to 3/10/2014					Northing				
Driller/Equipment		Tyler Day/Geoprobe 8040DT					Easting				
Geologist/Engineer		Mike Murray					Hole Depth 30.0-feet				
Sample Method		Direct Push					Outer Hole Diam 3.5-inch				
Depth (feet, BGS)	Well Details		Interval	Percent Recovery	Collection Method	Sample Data			Blows/6"	Lithologic Column	Soil Description
						Number	Name (Type)				
1											0.0 to 0.5 feet: TOPSOIL.
2											0.5 to 2.0 feet: SANDY SILT (MLS); tan; trace gravel.
3											2.0 to 5.0 feet: SILTY SAND (SM); gray; trace gravel.
4											
5											
6											5.0 to 7.0 feet: NO RECOVERY.
7											
8											7.0 to 10.0 feet: SAND (SP); gray; trace gravel; moist.
9											
10											10.0 to 13.0 feet: NO RECOVERY.
11											
12											
13											13.0 to 14.0 feet: SAND (SP); gray; 15% gravel, sub-rounded; moist.
14											14.0 to 26.5 feet: CLAY/SILT (ML); dark brown; trace organics; plastic; trace gravel, angular; moist.
15											
16											
17											
18											
19											
20											

NOTES: (1) BGS = Below ground surface.

 Water level 25' observed while drilling.

GBLWC W:\GINT\GINT\PROJECTS\0564.01\0564.02\01 SCHMID 32ND.GPJ 8/5/14

Maul Foster & Alongi, Inc.		Geologic Borehole Log/Well Construction									
		Project Number 0564.02.01				Well Number MW5			Sheet 1 of 2		
Project Name Project Location Start/End Date Driller/Equipment Geologist/Engineer Sample Method		Schmid Family Limited Partnership, LLC. 1411 32nd street, Washougal, Washington 3/11/2014 to 3/11/2014 Tyler Day/Geoprobe 8040DT Justin Pounds Direct Push						TOC Elevation (feet) Surface Elevation (feet) Northing Easting Hole Depth Outer Hole Diam			
								16.3-feet 3.5-inch			
Depth (feet, BGS)	Well Details	Interval	Percent Recovery	Collection Method	Sample Data			Blows/6"	Lithologic Column	Soil Description	
					Number	Name (Type)					
1										0.0 to 1.2 feet: SANDY SILT (MLS); brown; 75% fines; 25% sand; damp.	
2										1.2 to 1.7 feet: SILTY GRAVEL (GM); brown; 50% fines; 50% gravel, fine to course; sub-angular; damp.	
3										1.7 to 2.9 feet: SANDY SILT (MLS); brown; 90% fines; micaceous; 10% sand, fine; damp.	
4										2.9 to 6.3 feet: SANDY SILT (MLS); light brown; 90% fines, soft, plastic; 10% sand, fine; damp.	
5											
6											
7										6.3 to 7.2 feet: SILTY SAND (SM); dark brown; 20% fines; 80% sand, fine to medium; moist.	
8										7.2 to 8.4 feet: SANDY SILT (MLS); dark brown; 70% fines, soft; 30% sand, fine; wet.	
9										8.4 to 10.0 feet: NO RECOVERY.	
10										10.0 to 11.0 feet: SANDY SILT (MLS); dark brown; 70% fines, soft; 30% sand, fine; wet.	
11										11.0 to 12.9 feet: SILTY SAND (SM); dark brown; 30% fines; 70% sand, fine to course; wet.	
12											
13										12.9 to 16.3 feet: SANDY SILTY GRAVEL (GM); light gray; 20% fines; 10% sand, fine; 70% gravel, fine to course, sub-angular; wet.	
14											
15											
16											

Borehole Completion Details

0.0 to 16.3 feet bgs: 3.5-inch borehole.

0.0 to 1.5 feet bgs: Concrete.

1.5 to 4.0 feet bgs: Bentonite chips hydrated with potable water.

4.0 to 16.0 feet bgs: Filter pack sand.

NOTES: (1) BGS = Below ground surface.

Water level 7.2' observed while drilling.

GBLWC W:\GINTGINT\PROJECTS\0564.01\0564.02.01 SCHMID 32ND.GPJ 8/5/14

Maul Foster & Alongi, Inc.					Geologic Borehole Log/Well Construction					
					Project Number 0564.02.01		Well Number MW5		Sheet 2 of 2	
Depth (feet, BGS)	Well Details	Interval	Percent Recovery	Collection Method	Sample Data			Lithologic Column	Soil Description	
					Number	Name (Type)	Blows/6"			
Well Completion Details +2.0 to 5.75 feet bgs: Sick up monument. 2-inch diameter, PVC, schedule 40, flush threaded, blank riser. 5.75 to 15.75 feet bgs: 2-inch diameter, PVC, schedule 40, flush threaded, 0.010-inch machine slotted, pre-pack well screen. 15.75 to 16.0 feet bgs: 2-inch diameter, PVC, schedule 40, flush threaded, end cap.										
NOTES: (1) BGS = Below ground surface.  Water level 7.2' observed while drilling.										

GBLWC W:\GINT\GINT\PROJECTS\0564.01\0564.02.01 SCHMID 32ND.GPJ 8/5/14

Maul Foster & Alongi, Inc.		Geologic Borehole Log/Well Construction									
		Project Number 0564.02.01				Well Number MW6				Sheet 1 of 1	
Project Name Schmid Family Limited Partnership, LLC. Project Location 1411 32nd street, Washougal, Washington Start/End Date 3/11/2014 to 3/11/2014 Driller/Equipment Tyler Day/Geoprobe 8040DT Geologist/Engineer Justin Pounds Sample Method Direct Push						TOC Elevation (feet) Surface Elevation (feet) Northing Easting Hole Depth 15.0-feet Outer Hole Diam 3.5-inch					
Depth (feet, BGS)	Well Details	Interval	Percent Recovery	Collection Method	Sample Data			Blows/6"	Lithologic Column	Soil Description	
					Number	Name (Type)					
1										0.0 to 0.9 feet: SANDY SILT (MLS); brown; 75% fines; 25% sand; damp.	
2										0.9 to 1.8 feet: SANDY SILT (MLS); brown; 75% fines, hard; 25% sand; dry.	
3										1.8 to 3.8 feet: SANDY SILT (MLS); brown; 90% fines; micaceous; 10% sand, fine; damp.	
4										3.8 to 5.0 feet: NO RECOVERY.	
5										5.0 to 6.5 feet: SANDY SILT (MLS); brown; 90% fines; micaceous; 10% sand, fine; damp.	
6										6.5 to 7.6 feet: SILTY SAND (SM); dark brown; 20% fines; 80% sand, fine to medium, soft; wet.	
7										7.6 to 9.3 feet: SANDY SILTY GRAVEL (GM); dark gray; 30% fines; 10% sand; 60% gravel, fine to coarse; wet.	
8										9.3 to 10.0 feet: NO RECOVERY.	
9										10.0 to 13.6 feet: SANDY SILTY GRAVEL (GM); dark gray; 30% fines; 10% sand; 60% gravel, fine to coarse; wet.	
10										13.6 to 15.0 feet: SANDY GRAVEL (GPS); 40% sand; 60% gravel, fine, sub-angular; wet.	
11											
12											
13											
14											
15											
<u>Borehole Completion Details</u> 0.0 to 15.0 feet bgs: 3.5-inch borehole. 0.0 to 1.5 feet bgs: Concrete. 1.5 to 3.5 feet bgs: Bentonite chips hydrated with potable water. 3.5 to 15.0 feet bgs: Filter pack sand. <u>Well Completion Details</u> +2.0 to 4.75 feet bgs: Sick up monument. 2-inch diameter, PVC, schedule 40, flush threaded, blank riser. 4.75 to 14.75 feet bgs: 2-inch diameter, PVC, schedule 40, flush threaded, 0.010-inch machine slotted, pre-pack well screen. 14.75 to 15.0 feet bgs: 2-inch diameter, PVC, schedule 40, flush threaded, end cap. NOTES: (1) BGS = Below ground surface. Water level 6.5' observed while drilling.											

GBLWC W:\GINT\GINT\PROJECTS\0564.01\0564.02.01 SCHMID 32ND.GPJ 8/5/14

Maul Foster & Alongi, Inc.		Geologic Borehole Log/Well Construction									
		Project Number 0564.02.01				Well Number MW7			Sheet 1 of 2		
Project Name Project Location Start/End Date Driller/Equipment Geologist/Engineer Sample Method		Schmid Family Limited Partnership, LLC. 1411 32nd street, Washougal, Washington 7/11/2014 to 7/11/2014 Tyler Day/Geoprobe 8040DT Justin Pounds Direct Push						TOC Elevation (feet) Surface Elevation (feet) Northing Easting Hole Depth Outer Hole Diam			
								16.4-feet 3.5-inch			
Depth (feet, BGS)	Well Details	Interval	Percent Recovery	Collection Method	Sample Data			Blows/6"	Lithologic Column	Soil Description	
					Number	Name (Type)					
1										0.0 to 0.7 feet: TOPSOIL; brown; loose; dry.	
2										0.7 to 1.5 feet: SANDY GRAVEL (GW); gray; coarse; dry.	
3										1.5 to 5.0 feet: NO RECOVERY.	
4											
5											
6										5.0 to 6.4 feet: SANDY SILT (MLS); brown; 80% fines, soft, medium plasticity; 20% sand, fine to medium; damp.	
7										6.4 to 7.4 feet: SILT (ML); brown; 90% fines, soft, medium plasticity; 10% gravel, fine to medium; damp.	
8										7.4 to 10.0 feet: NO RECOVERY.	
9											
10										10.0 to 12.3 feet: SANDY SILT (MLS); brown; 70% silt; 20% sand, fine to medium; 10% gravel, fine to medium; wet.	
11											
12										12.3 to 13.4 feet: SANDY SILT (MLS); dark grayish brown; 70% fines, medium plasticity, soft; 30% sand, fine; wet.	
13											
14										13.4 to 14.3 feet: SILTY SAND (SM); olive gray; 30% fines, non-plastic; 70% sand, fine to medium; wet.	
15										14.3 to 16.4 feet: NO RECOVERY.	
16											
Borehole Completion Details 0.0 to 16.4 feet bgs: 3.5-inch borehole. 0.0 to 1.5 feet bgs: Concrete. 1.5 to 4.0 feet bgs: Bentonite chips hydrated with potable water. 4.0 to 16.4 feet bgs: Filter pack sand.											
NOTES: (1) BGS = Below ground surface.											
Water level 10.0' observed while drilling											

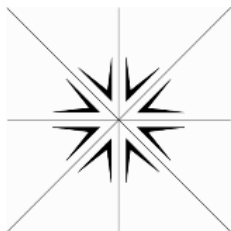
GBLWC W:\GINT\GINT\PROJECTS\0564.01\0564.02.01 SCHMID 32ND.GPJ 8/5/14

Maul Foster & Alongi, Inc.					Geologic Borehole Log/Well Construction				
					Project Number 0564.02.01		Well Number MW7		Sheet 2 of 2
Depth (feet, BGS)	Well Details	Interval	Percent Recovery	Collection Method	Sample Data			Lithologic Column	Soil Description
					Number	Name (Type)	Blows/6"		
Well Completion Details +2.0 to 6.0 feet bgs: Sick up monument. 2-inch diameter, PVC, schedule 40, flush threaded, blank riser. 6.0 to 16.0 feet bgs: 2-inch diameter, PVC, schedule 40, flush threaded, 0.010-inch machine slotted, pre-pack well screen. 16.0 to 16.25 feet bgs: 2-inch diameter, PVC, schedule 40, flush threaded, end cap.									
NOTES: (1) BGS = Below ground surface.  Water level 10.0' observed while drilling									

APPENDIX B

LABORATORY ANALYTICAL RESULTS





Specialty Analytical

11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

May 16, 2012

Christina Johnson
Maul Foster & Alongi
400 E. Mill Plain Blvd.
Suite 400
Vancouver, Washington 98660
TEL: (360) 694-2691
FAX: (360) 906-1958
RE: 32nd Street / 0564.01.03T/01

Dear Christina Johnson:

Order No.: 1204114

Specialty Analytical received 10 sample(s) on 4/13/2012 for the analyses presented in the following report.

REVISED REPORT VERSION 1. Please see case narrative for information on revision.

There were no problems with the analysis and all data for associated QC met EPA or laboratory specifications, except where noted in the Case Narrative, or as qualified with flags. Results apply only to the samples analyzed. Without approval of the laboratory, the reproduction of this report is only permitted in its entirety.

If you have any questions regarding these tests, please feel free to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Marty French", written in a cursive style.

Marty French
Lab Director

Case Narrative

WO#: 1204114

Date: 5/16/2012

CLIENT:	Maul Foster & Alongi
Project:	32nd Street / 0564.01.03T/01

Report Revision 1.

At the request of the client, PAH's, PCB's and VOC's were added to sample 32ndSt-SS01-S-0.0 (1204114-010) after the original data was reported.

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T/01
Lab ID: 1204114-001
Client Sample ID: 32nd St-SS10-S-0.0

Collection Date: 4/12/2012 9:30:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID				Analyst: kbh
Gasoline	ND	22.2		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Mineral Spirits	ND	22.2		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Kerosene	ND	55.4		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Diesel	ND	55.4		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Lube Oil	ND	111		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Surr: BFB	105	50-150		%REC	1	4/17/2012 12:22:00 AM
Surr: o-Terphenyl	99.1	50-150		%REC	1	4/17/2012 12:22:00 AM
RCRA_8		SW6010C				Analyst: CT
Arsenic	ND	2.13		mg/Kg-dry	1	4/17/2012 4:39:18 PM
Barium	78.3	1.07		mg/Kg-dry	1	4/17/2012 4:39:18 PM
Cadmium	ND	0.107		mg/Kg-dry	1	4/17/2012 4:39:18 PM
Chromium	13.4	0.533		mg/Kg-dry	1	4/17/2012 4:39:18 PM
Lead	2.13	2.13		mg/Kg-dry	1	4/17/2012 4:39:18 PM
Selenium	ND	2.13		mg/Kg-dry	1	4/17/2012 4:39:18 PM
Silver	3.51	2.13		mg/Kg-dry	1	4/17/2012 4:39:18 PM
RCRA_8		SW 7471B				Analyst: CT
Mercury	0.0736	0.0173		mg/Kg-dry	1	4/18/2012 1:07:54 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T/01
Lab ID: 1204114-002
Client Sample ID: 32nd St-SS09-S-0.0

Collection Date: 4/12/2012 11:00:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID				Analyst: kbh
Gasoline	ND	25.3		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Mineral Spirits	ND	25.3		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Kerosene	ND	63.3		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Diesel	ND	63.3		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Lube Oil	ND	127		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Surr: BFB	83.1	50-150		%REC	1	4/17/2012 12:22:00 AM
Surr: o-Terphenyl	82.4	50-150		%REC	1	4/17/2012 12:22:00 AM
RCRA_8		SW6010C				Analyst: CT
Arsenic	ND	2.53		mg/Kg-dry	1	4/17/2012 4:43:49 PM
Barium	322	1.27		mg/Kg-dry	1	4/17/2012 4:43:49 PM
Cadmium	ND	0.127		mg/Kg-dry	1	4/17/2012 4:43:49 PM
Chromium	24.6	0.633		mg/Kg-dry	1	4/17/2012 4:43:49 PM
Lead	15.9	2.53		mg/Kg-dry	1	4/17/2012 4:43:49 PM
Selenium	ND	2.53		mg/Kg-dry	1	4/17/2012 4:43:49 PM
Silver	2.84	2.53		mg/Kg-dry	1	4/17/2012 4:43:49 PM
RCRA_8		SW 7471B				Analyst: CT
Mercury	0.0517	0.0211		mg/Kg-dry	1	4/18/2012 1:07:54 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T/01
Lab ID: 1204114-003
Client Sample ID: 32nd St-SS08-S-0.0

Collection Date: 4/12/2012 11:30:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID				Analyst: kbh
Gasoline	ND	22.2		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Mineral Spirits	ND	22.2		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Kerosene	ND	55.4		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Diesel	ND	55.4		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Lube Oil	Lube Oil	111		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Surr: BFB	103	50-150		%REC	1	4/17/2012 12:22:00 AM
Surr: o-Terphenyl	98.8	50-150		%REC	1	4/17/2012 12:22:00 AM
NWTPH-DX		NWTPH-DX				Analyst: kbh
Diesel	36.8	16.6		mg/Kg-dry	1	4/18/2012 3:02:00 PM
Lube Oil	243	55.4		mg/Kg-dry	1	4/18/2012 3:02:00 PM
Surr: o-Terphenyl	94.0	50-150		%REC	1	4/18/2012 3:02:00 PM
RCRA_8		SW6010C				Analyst: CT
Arsenic	ND	1.79		mg/Kg-dry	1	4/17/2012 5:11:31 PM
Barium	76.2	0.894		mg/Kg-dry	1	4/17/2012 5:11:31 PM
Cadmium	ND	0.089		mg/Kg-dry	1	4/17/2012 5:11:31 PM
Chromium	7.38	0.447		mg/Kg-dry	1	4/17/2012 5:11:31 PM
Lead	2.64	1.79		mg/Kg-dry	1	4/17/2012 5:11:31 PM
Selenium	ND	1.79		mg/Kg-dry	1	4/17/2012 5:11:31 PM
Silver	2.12	1.79		mg/Kg-dry	1	4/17/2012 5:11:31 PM
RCRA_8		SW 7471B				Analyst: CT
Mercury	ND	0.0154		mg/Kg-dry	1	4/18/2012 1:07:54 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T/01
Lab ID: 1204114-004
Client Sample ID: 32nd St-SS07-S-0.0

Collection Date: 4/12/2012 12:00:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID				Analyst: kbh
Gasoline	ND	23.1		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Mineral Spirits	ND	23.1		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Kerosene	ND	57.8		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Diesel	ND	57.8		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Lube Oil	ND	116		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Surr: BFB	109	50-150		%REC	1	4/17/2012 12:22:00 AM
Surr: o-Terphenyl	105	50-150		%REC	1	4/17/2012 12:22:00 AM
RCRA_8		SW6010C				Analyst: CT
Arsenic	ND	2.22		mg/Kg-dry	1	4/17/2012 5:16:02 PM
Barium	89.7	1.11		mg/Kg-dry	1	4/17/2012 5:16:02 PM
Cadmium	ND	0.111		mg/Kg-dry	1	4/17/2012 5:16:02 PM
Chromium	6.96	0.556		mg/Kg-dry	1	4/17/2012 5:16:02 PM
Lead	2.34	2.22		mg/Kg-dry	1	4/17/2012 5:16:02 PM
Selenium	ND	2.22		mg/Kg-dry	1	4/17/2012 5:16:02 PM
Silver	2.49	2.22		mg/Kg-dry	1	4/17/2012 5:16:02 PM
RCRA_8		SW 7471B				Analyst: CT
Mercury	ND	0.0161		mg/Kg-dry	1	4/18/2012 1:07:54 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T/01
Lab ID: 1204114-005
Client Sample ID: 32nd St-SS05-S-0.0

Collection Date: 4/12/2012 2:00:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID				Analyst: kbh
Gasoline	ND	22.3		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Mineral Spirits	ND	22.3		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Kerosene	ND	55.9		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Diesel	ND	55.9		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Lube Oil	ND	112		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Surr: BFB	91.3	50-150		%REC	1	4/17/2012 12:22:00 AM
Surr: o-Terphenyl	90.1	50-150		%REC	1	4/17/2012 12:22:00 AM
RCRA_8		SW6010C				Analyst: CT
Arsenic	ND	1.96		mg/Kg-dry	1	4/17/2012 5:20:34 PM
Barium	72.4	0.980		mg/Kg-dry	1	4/17/2012 5:20:34 PM
Cadmium	ND	0.098		mg/Kg-dry	1	4/17/2012 5:20:34 PM
Chromium	5.81	0.490		mg/Kg-dry	1	4/17/2012 5:20:34 PM
Lead	7.74	1.96		mg/Kg-dry	1	4/17/2012 5:20:34 PM
Selenium	ND	1.96		mg/Kg-dry	1	4/17/2012 5:20:34 PM
Silver	ND	1.96		mg/Kg-dry	1	4/17/2012 5:20:34 PM
RCRA_8		SW 7471B				Analyst: CT
Mercury	ND	0.0187		mg/Kg-dry	1	4/18/2012 1:07:54 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T/01
Lab ID: 1204114-006
Client Sample ID: 32nd St-SS03-S-0.0

Collection Date: 4/12/2012 2:30:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID				Analyst: kbh
Gasoline	ND	24.1		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Mineral Spirits	ND	24.1		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Kerosene	ND	60.2		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Diesel	ND	60.2		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Lube Oil	ND	120		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Surr: BFB	99.3	50-150		%REC	1	4/17/2012 12:22:00 AM
Surr: o-Terphenyl	94.0	50-150		%REC	1	4/17/2012 12:22:00 AM
RCRA_8		SW6010C				Analyst: CT
Arsenic	2.45	2.19		mg/Kg-dry	1	4/17/2012 5:25:06 PM
Barium	126	1.09		mg/Kg-dry	1	4/17/2012 5:25:06 PM
Cadmium	ND	0.109		mg/Kg-dry	1	4/17/2012 5:25:06 PM
Chromium	50.8	0.547		mg/Kg-dry	1	4/17/2012 5:25:06 PM
Lead	7.25	2.19		mg/Kg-dry	1	4/17/2012 5:25:06 PM
Selenium	ND	2.19		mg/Kg-dry	1	4/17/2012 5:25:06 PM
Silver	ND	2.19		mg/Kg-dry	1	4/17/2012 5:25:06 PM
RCRA_8		SW 7471B				Analyst: CT
Mercury	0.0296	0.0189		mg/Kg-dry	1	4/18/2012 1:07:54 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T/01
Lab ID: 1204114-007
Client Sample ID: 32nd St-SS06-S-0.0

Collection Date: 4/12/2012 3:00:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID				Analyst: kbh
Gasoline	ND	21.6		mg/Kg-dry	1	4/16/2012
Mineral Spirits	ND	21.6		mg/Kg-dry	1	4/16/2012
Kerosene	ND	53.9		mg/Kg-dry	1	4/16/2012
Diesel	ND	53.9		mg/Kg-dry	1	4/16/2012
Lube Oil	Lube Oil	108		mg/Kg-dry	1	4/16/2012
Surr: BFB	109	50-150		%REC	1	4/16/2012
Surr: o-Terphenyl	103	50-150		%REC	1	4/16/2012
NWTPH-DX		NWTPH-DX				Analyst: kbh
Diesel	39.2	16.2		mg/Kg-dry	1	4/18/2012 3:02:00 PM
Lube Oil	363	53.9		mg/Kg-dry	1	4/18/2012 3:02:00 PM
Surr: o-Terphenyl	87.3	50-150		%REC	1	4/18/2012 3:02:00 PM
RCRA_8		SW6010C				Analyst: CT
Arsenic	ND	2.16		mg/Kg-dry	1	4/17/2012 5:29:52 PM
Barium	86.7	1.08		mg/Kg-dry	1	4/17/2012 5:29:52 PM
Cadmium	0.173	0.108		mg/Kg-dry	1	4/17/2012 5:29:52 PM
Chromium	15.4	0.539		mg/Kg-dry	1	4/17/2012 5:29:52 PM
Lead	29.1	2.16		mg/Kg-dry	1	4/17/2012 5:29:52 PM
Selenium	ND	2.16		mg/Kg-dry	1	4/17/2012 5:29:52 PM
Silver	ND	2.16		mg/Kg-dry	1	4/17/2012 5:29:52 PM
RCRA_8		SW 7471B				Analyst: CT
Mercury	ND	0.0169		mg/Kg-dry	1	4/18/2012 1:07:54 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T/01
Lab ID: 1204114-008
Client Sample ID: 32nd St-SS02-S-0.0

Collection Date: 4/12/2012 3:30:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID				Analyst: kbh
Gasoline	ND	25.5		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Mineral Spirits	ND	25.5		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Kerosene	ND	63.7		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Diesel	ND	63.7		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Lube Oil	ND	127		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Surr: BFB	103	50-150		%REC	1	4/17/2012 12:22:00 AM
Surr: o-Terphenyl	94.8	50-150		%REC	1	4/17/2012 12:22:00 AM
RCRA_8		SW6010C				Analyst: CT
Arsenic	ND	2.32		mg/Kg-dry	1	4/17/2012 5:34:23 PM
Barium	217	1.16		mg/Kg-dry	1	4/17/2012 5:34:23 PM
Cadmium	ND	0.116		mg/Kg-dry	1	4/17/2012 5:34:23 PM
Chromium	16.0	0.579		mg/Kg-dry	1	4/17/2012 5:34:23 PM
Lead	3.57	2.32		mg/Kg-dry	1	4/17/2012 5:34:23 PM
Selenium	ND	2.32		mg/Kg-dry	1	4/17/2012 5:34:23 PM
Silver	ND	2.32		mg/Kg-dry	1	4/17/2012 5:34:23 PM
RCRA_8		SW 7471B				Analyst: CT
Mercury	0.0419	0.0200		mg/Kg-dry	1	4/18/2012 1:07:54 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T/01
Lab ID: 1204114-009
Client Sample ID: 32nd St-SS14-S-0.0

Collection Date: 4/12/2012 4:00:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID				Analyst: kbh
Gasoline	ND	23.0		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Mineral Spirits	ND	23.0		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Kerosene	ND	57.6		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Diesel	ND	57.6		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Lube Oil	ND	115		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Surr: BFB	107	50-150		%REC	1	4/17/2012 12:22:00 AM
Surr: o-Terphenyl	99.3	50-150		%REC	1	4/17/2012 12:22:00 AM
RCRA_8		SW6010C				Analyst: CT
Arsenic	2.72	2.17		mg/Kg-dry	1	4/17/2012 5:38:55 PM
Barium	135	1.09		mg/Kg-dry	1	4/17/2012 5:38:55 PM
Cadmium	ND	0.109		mg/Kg-dry	1	4/17/2012 5:38:55 PM
Chromium	13.2	0.543		mg/Kg-dry	1	4/17/2012 5:38:55 PM
Lead	10.6	2.17		mg/Kg-dry	1	4/17/2012 5:38:55 PM
Selenium	ND	2.17		mg/Kg-dry	1	4/17/2012 5:38:55 PM
Silver	2.19	2.17		mg/Kg-dry	1	4/17/2012 5:38:55 PM
RCRA_8		SW 7471B				Analyst: CT
Mercury	0.0172	0.0170		mg/Kg-dry	1	4/18/2012 1:07:54 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T/01
Lab ID: 1204114-010
Client Sample ID: 32nd St-SS01-S-0.0

Collection Date: 4/12/2012 4:45:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID		Analyst: kbh		
Gasoline	ND	26.3		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Mineral Spirits	ND	26.3		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Kerosene	ND	65.7		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Diesel	Diesel	65.7		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Lube Oil	Lube Oil	131		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Surr: BFB	95.0	50-150		%REC	1	4/17/2012 12:22:00 AM
Surr: o-Terphenyl	103	50-150		%REC	1	4/17/2012 12:22:00 AM
NWTPH-DX		NWTPH-DX		Analyst: kbh		
Diesel	317	19.7	A1	mg/Kg-dry	1	4/18/2012 3:02:00 PM
Lube Oil	1,470	65.7		mg/Kg-dry	1	4/18/2012 3:02:00 PM
Surr: o-Terphenyl	122	50-150		%REC	1	4/18/2012 3:02:00 PM
RCRA_8		SW6010C		Analyst: CT		
Arsenic	ND	2.39		mg/Kg-dry	1	4/17/2012 5:43:26 PM
Barium	66.0	1.19		mg/Kg-dry	1	4/17/2012 5:43:26 PM
Cadmium	0.203	0.119		mg/Kg-dry	1	4/17/2012 5:43:26 PM
Chromium	12.3	0.597		mg/Kg-dry	1	4/17/2012 5:43:26 PM
Lead	14.6	2.39		mg/Kg-dry	1	4/17/2012 5:43:26 PM
Selenium	ND	2.39		mg/Kg-dry	1	4/17/2012 5:43:26 PM
Silver	ND	2.39		mg/Kg-dry	1	4/17/2012 5:43:26 PM
RCRA_8		SW 7471B		Analyst: CT		
Mercury	0.0266	0.0183		mg/Kg-dry	1	4/18/2012 1:07:54 PM
PAH'S BY GC/MS - LOW LEVEL		SW8270D		Analyst: bda		
1-Methylnaphthalene	ND	8.76	HT	µg/Kg-dry	1	5/8/2012 10:22:00 AM
2-Methylnaphthalene	ND	8.76	HT	µg/Kg-dry	1	5/8/2012 10:22:00 AM
Acenaphthene	ND	8.76	HT	µg/Kg-dry	1	5/8/2012 10:22:00 AM
Acenaphthylene	ND	8.76	HT	µg/Kg-dry	1	5/8/2012 10:22:00 AM
Anthracene	ND	8.76	HT	µg/Kg-dry	1	5/8/2012 10:22:00 AM
Benz(a)anthracene	ND	8.76	HT	µg/Kg-dry	1	5/8/2012 10:22:00 AM
Benzo(a)pyrene	ND	8.76	HT	µg/Kg-dry	1	5/8/2012 10:22:00 AM
Benzo(b)fluoranthene	ND	8.76	HT	µg/Kg-dry	1	5/8/2012 10:22:00 AM
Benzo(g,h,i)perylene	ND	8.76	HT	µg/Kg-dry	1	5/8/2012 10:22:00 AM
Benzo(k)fluoranthene	ND	8.76	HT	µg/Kg-dry	1	5/8/2012 10:22:00 AM
Chrysene	ND	8.76	HT	µg/Kg-dry	1	5/8/2012 10:22:00 AM
Dibenz(a,h)anthracene	ND	8.76	HT	µg/Kg-dry	1	5/8/2012 10:22:00 AM
Fluoranthene	20.1	8.76	HT	µg/Kg-dry	1	5/8/2012 10:22:00 AM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T/01
Lab ID: 1204114-010
Client Sample ID: 32nd St-SS01-S-0.0

Collection Date: 4/12/2012 4:45:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PAH'S BY GC/MS - LOW LEVEL		SW8270D				Analyst: bda
Fluorene	ND	8.76	HT	µg/Kg-dry	1	5/8/2012 10:22:00 AM
Indeno(1,2,3-cd)pyrene	ND	8.76	HT	µg/Kg-dry	1	5/8/2012 10:22:00 AM
Naphthalene	ND	8.76	HT	µg/Kg-dry	1	5/8/2012 10:22:00 AM
Phenanthrene	ND	8.76	HT	µg/Kg-dry	1	5/8/2012 10:22:00 AM
Pyrene	28.9	8.76	HT	µg/Kg-dry	1	5/8/2012 10:22:00 AM
Surr: 2-Fluorobiphenyl	59.0	42.6-128	H	%REC	1	5/8/2012 10:22:00 AM
Surr: Nitrobenzene-d5	60.2	21.7-155	H	%REC	1	5/8/2012 10:22:00 AM
Surr: p-Terphenyl-d14	65.1	44.9-155	H	%REC	1	5/8/2012 10:22:00 AM
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
1,1,1,2-Tetrachloroethane	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
1,1,1-Trichloroethane	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
1,1,2,2-Tetrachloroethane	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
1,1,2-Trichloroethane	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
1,1-Dichloroethane	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
1,1-Dichloroethene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
1,1-Dichloropropene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
1,2,3-Trichlorobenzene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
1,2,3-Trichloropropane	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
1,2,4-Trichlorobenzene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
1,2,4-Trimethylbenzene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
1,2-Dibromo-3-chloropropane	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
1,2-Dibromoethane	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
1,2-Dichlorobenzene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
1,2-Dichloroethane	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
1,2-Dichloropropane	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
1,3,5-Trimethylbenzene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
1,3-Dichlorobenzene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
1,3-Dichloropropane	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
1,4-Dichlorobenzene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
2,2-Dichloropropane	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
2-Butanone	ND	56.5	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
2-Chlorotoluene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
2-Hexanone	ND	28.3	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
4-Chlorotoluene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
4-Isopropyltoluene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
4-Methyl-2-pentanone	ND	56.5	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Acetone	225	141	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Benzene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T/01
Lab ID: 1204114-010
Client Sample ID: 32nd St-SS01-S-0.0

Collection Date: 4/12/2012 4:45:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
Bromobenzene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Bromochloromethane	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Bromodichloromethane	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Bromoform	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Bromomethane	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Carbon Disulfide	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Carbon tetrachloride	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Chlorobenzene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Chloroethane	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Chloroform	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Chloromethane	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
cis-1,2-Dichloroethene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
cis-1,3-Dichloropropene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Dibromochloromethane	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Dibromomethane	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Dichlorodifluoromethane	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Ethylbenzene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Hexachlorobutadiene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Hexane	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Isopropylbenzene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
m,p-Xylene	ND	28.3	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Methyl tert-butyl ether	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Methylene Chloride	ND	70.7	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Naphthalene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
n-Butylbenzene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
n-Propylbenzene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
o-Xylene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
sec-Butylbenzene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Styrene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
tert-Butylbenzene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Tetrachloroethene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Toluene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
trans-1,2-Dichloroethene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
trans-1,3-Dichloropropene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Trichloroethene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Trichlorofluoromethane	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Vinyl Chloride	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Surr: 1,2-Dichloroethane-d4	98.7	71.5-112	HT	%REC	1	5/10/2012 5:30:00 PM
Surr: 4-Bromofluorobenzene	78.3	75.7-122	HT	%REC	1	5/10/2012 5:30:00 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T/01
Lab ID: 1204114-010
Client Sample ID: 32nd St-SS01-S-0.0

Collection Date: 4/12/2012 4:45:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
Surr: Dibromofluoromethane	95.1	64.3-124	HT	%REC	1	5/10/2012 5:30:00 PM
Surr: Toluene-d8	96.8	74.9-120	HT	%REC	1	5/10/2012 5:30:00 PM
PCB'S IN SOIL		SW 8082A				Analyst: jrp
Aroclor 1016	ND	0.437		µg/Kg-dry	1	5/8/2012 10:00:00 AM
Aroclor 1221	ND	0.437		µg/Kg-dry	1	5/8/2012 10:00:00 AM
Aroclor 1232	ND	0.437		µg/Kg-dry	1	5/8/2012 10:00:00 AM
Aroclor 1242	ND	0.437		µg/Kg-dry	1	5/8/2012 10:00:00 AM
Aroclor 1248	ND	0.437		µg/Kg-dry	1	5/8/2012 10:00:00 AM
Aroclor 1254	ND	0.437		µg/Kg-dry	1	5/8/2012 10:00:00 AM
Aroclor 1260	ND	0.437		µg/Kg-dry	1	5/8/2012 10:00:00 AM
Aroclor 1262	ND	0.437		µg/Kg-dry	1	5/8/2012 10:00:00 AM
Aroclor 1268	ND	0.437		µg/Kg-dry	1	5/8/2012 10:00:00 AM
Surr: Decachlorobiphenyl	119	56.5-130		%REC	1	5/8/2012 10:00:00 AM

QC SUMMARY REPORT

WO#: 1204114

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03T/01

TestCode: 6010_S

Sample ID: MBLK-2351		SampType: MBLK		TestCode: 6010_S		Units: mg/Kg		Prep Date: 4/17/2012			RunNo: 3775		
Client ID: PBS		Batch ID: 2351		TestNo: SW6010C		SW3050B		Analysis Date: 4/17/2012			SeqNo: 50621		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	ND	2.00
Barium	ND	1.00
Cadmium	ND	0.100
Chromium	ND	0.500
Lead	ND	2.00
Selenium	ND	2.00
Silver	ND	2.00

Sample ID: LCS-2351		SampType: LCS		TestCode: 6010_S		Units: mg/Kg		Prep Date: 4/17/2012			RunNo: 3775		
Client ID: LCSS		Batch ID: 2351		TestNo: SW6010C		SW3050B		Analysis Date: 4/17/2012			SeqNo: 50622		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	99.9	2.00	100.0	0	99.9	85.1	107
Barium	51.0	1.00	50.00	0	102	85.7	110
Cadmium	4.86	0.100	5.000	0	97.2	87.2	109
Chromium	24.9	0.500	25.00	0	99.5	84	113
Lead	97.3	2.00	100.0	0	97.3	84.9	109
Selenium	98.2	2.00	100.0	0	98.2	88.7	111
Silver	50.1	2.00	50.00	0	100	79.3	109

Sample ID: A1204112-001ADUP		SampType: DUP	TestCode: 6010_S		Units: mg/Kg	Prep Date: 4/17/2012			RunNo: 3775			
Client ID: ZZZZZZ		Batch ID: 2351	TestNo: SW6010C		SW3050B	Analysis Date: 4/17/2012			SeqNo: 50625			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	ND	1.79						0	0	20

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

WO#: 1204114

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T/01

TestCode: 6010_S

Sample ID: A1204112-001ADUP	SampType: DUP	TestCode: 6010_S		Units: mg/Kg	Prep Date: 4/17/2012				RunNo: 3775		
Client ID: ZZZZZZ	Batch ID: 2351	TestNo: SW6010C		SW3050B	Analysis Date: 4/17/2012				SeqNo: 50625		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	58.5	0.893						66.21	12.3	20	
Cadmium	ND	0.089						0	0	20	
Chromium	10.7	0.446						11.46	7.02	20	
Lead	145	1.79						151.3	4.16	20	
Selenium	ND	1.79						0	0	20	
Silver	ND	1.79						0	0	20	

Sample ID: A1204112-001AMS	SampType: MS	TestCode: 6010_S	Units: mg/Kg	Prep Date: 4/17/2012	RunNo: 3775						
Client ID: ZZZZZZ	Batch ID: 2351	TestNo: SW6010C	SW3050B	Analysis Date: 4/17/2012	SeqNo: 50626						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	92.7	1.92	96.15	0	96.4	86.1	109				
Barium	103	0.962	48.08	66.21	76.9	75	125				
Cadmium	4.57	0.096	4.808	0	95.0	86.4	113				
Chromium	32.5	0.481	24.04	11.46	87.5	75	121				
Lead	232	1.92	96.15	151.3	83.7	84.9	109				SMI
Selenium	92.1	1.92	96.15	0	95.8	77.7	116				
Silver	50.4	1.92	48.08	0	105	75	123				

Sample ID: A1204112-001AMSD		SampType: MSD	TestCode: 6010_S		Units: mg/Kg		Prep Date: 4/17/2012			RunNo: 3775		
Client ID: ZZZZZZ		Batch ID: 2351	TestNo: SW6010C		SW3050B		Analysis Date: 4/17/2012			SeqNo: 50627		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		90.3	1.92	96.15	0	93.9	86.1	109	92.70	2.68	20	
Barium		95.4	0.962	48.08	66.21	60.7	75	125	103.2	7.86	20	SMI

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 2 of 19
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

WO#: 1204114

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03T/01

TestCode: 6010_S

Sample ID: A1204112-001AMSD		SampType: MSD	TestCode: 6010_S		Units: mg/Kg		Prep Date: 4/17/2012			RunNo: 3775		
Client ID: ZZZZZZ		Batch ID: 2351	TestNo: SW6010C		SW3050B		Analysis Date: 4/17/2012			SeqNo: 50627		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Cadmium	4.48	0.096	4.808	0	93.2	86.4	113	4.567	1.91	20	SMI	
Chromium	30.6	0.481	24.04	11.46	79.5	75	121	32.48	6.10	20		
Lead	217	1.92	96.15	151.3	67.8	84.9	109	231.8	6.82	20		
Selenium	90.4	1.92	96.15	0	94.0	77.7	116	92.13	1.86	20		
Silver	49.4	1.92	48.08	0	103	75	123	50.38	1.95	20		

Sample ID: CCV	SampType: CCV	TestCode: 6010_S		Units: mg/Kg	Prep Date:			RunNo: 3775			
Client ID: CCV	Batch ID: 2351	TestNo: SW6010C		SW3050B	Analysis Date: 4/17/2012			SeqNo: 50650			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	102	2.00	100.0	0	102	90	110				
Barium	49.6	1.00	50.00	0	99.1	90	110				
Cadmium	4.89	0.100	5.000	0	97.8	90	110				
Chromium	25.0	0.500	25.00	0	100	90	110				
Lead	99.2	2.00	100.0	0	99.2	90	110				
Selenium	98.9	2.00	100.0	0	98.9	90	110				
Silver	50.9	2.00	50.00	0	102	90	110				

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

QC SUMMARY REPORT

WO#: 1204114

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03T/01

TestCode: 8082LL_S

Sample ID: CCV		SampType: CCV		TestCode: 8082LL_S		Units: µg/Kg		Prep Date:			RunNo: 4131		
Client ID: CCV		Batch ID: 2531		TestNo: SW 8082A		3545_8082LL		Analysis Date: 5/8/2012			SeqNo: 55307		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aroclor 1016/1260	67.3	0.333	66.67	0	101	85	115				

Sample ID: MB-2531		SampType: MBLK	TestCode: 8082LL_S		Units: µg/Kg	Prep Date: 5/7/2012			RunNo: 4131		
Client ID: PBS	Batch ID: 2531		TestNo: SW 8082A		3545_8082LL	Analysis Date: 5/8/2012			SeqNo: 55308		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aroclor 1016	ND	0.333									
Aroclor 1221	ND	0.333									
Aroclor 1232	ND	0.333									
Aroclor 1242	ND	0.333									
Aroclor 1248	ND	0.333									
Aroclor 1254	ND	0.333									
Aroclor 1260	ND	0.333									
Aroclor 1262	ND	0.333									
Aroclor 1268	ND	0.333									
Surr: Decachlorobiphenyl	4,410		6,667		66.1	56.5	130				

Sample ID: LCS-2531		SampType: LCS		TestCode: 8082LL_S		Units: µg/Kg		Prep Date: 5/7/2012		RunNo: 4131			
Client ID: LCSS		Batch ID: 2531		TestNo: SW 8082A		3545_8082LL		Analysis Date: 5/8/2012		SeqNo: 55309			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aroclor 1016/1260	64.7	0.333	66.67	0	97.0	44.3	137				

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

QC SUMMARY REPORT

WO#: 1204114

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03T/01

TestCode: 8082LL_S

Sample ID: 1204114-010AMS	SampType: MS	TestCode: 8082LL_S	Units: µg/Kg-dry	Prep Date: 5/7/2012	RunNo: 4131						
Client ID: 32nd St-SS01-S-0.0	Batch ID: 2531	TestNo: SW 8082A	3545_8082LL	Analysis Date: 5/8/2012	SeqNo: 55310						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aroclor 1016/1260 75.3 0.437 87.55 0 86.0 56.6 123

Sample ID: 1204114-010AMSD	SampType: MSD	TestCode: 8082LL_S	Units: µg/Kg-dry	Prep Date: 5/7/2012	RunNo: 4131						
Client ID: 32nd St-SS01-S-0.0	Batch ID: 2531	TestNo: SW 8082A	3545_8082LL	Analysis Date: 5/8/2012	SeqNo: 55311						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aroclor 1016/1260 58.7 0.437 87.55 0 67.0 56.6 123 57.33 2.28 20

Sample ID: CCV	SampType: CCV	TestCode: 8082LL_S	Units: µg/Kg	Prep Date:	RunNo: 4131						
Client ID: CCV	Batch ID: 2531	TestNo: SW 8082A	3545_8082LL	Analysis Date: 5/8/2012	SeqNo: 55314						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aroclor 1016/1260 66.7 0.333 66.67 0 100 85 115

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

Page 5 of 19

QC SUMMARY REPORT

WO#: 1204114

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03T/01

TestCode: 8260_5035

Sample ID: CCV-2573	SampType: CCV	TestCode: 8260_5035	Units: µg/Kg	Prep Date:	RunNo: 4194						
Client ID: CCV	Batch ID: 2573	TestNo: SW8260B	SW5035A	Analysis Date: 5/10/2012	SeqNo: 56194						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	61.8	10.0	60.00	0	103	80	120				
1,2-Dichloropropane	56.1	10.0	60.00	0	93.5	80	120				
Chloroform	51.7	10.0	60.00	0	86.1	80	120				
Ethylbenzene	57.8	10.0	60.00	0	96.3	80	120				
Toluene	62.4	10.0	60.00	0	104	80	120				
Vinyl Chloride	52.4	10.0	60.00	0	87.3	80	120				

Sample ID: MBLK-2573	SampType: MBLK	TestCode: 8260_5035		Units: µg/Kg	Prep Date:				RunNo: 4194		
Client ID: PBS	Batch ID: 2573	TestNo: SW8260B		SW5035A	Analysis Date: 5/10/2012				SeqNo: 56204		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	10.0									
1,1,1-Trichloroethane	ND	10.0									
1,1,2,2-Tetrachloroethane	ND	10.0									
1,1,2-Trichloroethane	ND	10.0									
1,1-Dichloroethane	ND	10.0									
1,1-Dichloroethene	ND	10.0									
1,1-Dichloropropene	ND	10.0									
1,2,3-Trichlorobenzene	ND	10.0									
1,2,3-Trichloropropane	ND	10.0									
1,2,4-Trichlorobenzene	ND	10.0									
1,2,4-Trimethylbenzene	ND	10.0									
1,2-Dibromo-3-chloropropane	ND	10.0									
1,2-Dibromoethane	ND	10.0									
1,2-Dichlorobenzene	ND	10.0									

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

QC SUMMARY REPORT

WO#: 1204114

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03T/01

TestCode: 8260_5035

Sample ID: MBLK-2573	SampType: MBLK	TestCode: 8260_5035	Units: µg/Kg	Prep Date:	RunNo: 4194						
Client ID: PBS	Batch ID: 2573	TestNo: SW8260B	SW5035A	Analysis Date: 5/10/2012	SeqNo: 56204						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloroethane	ND	10.0									
1,2-Dichloropropane	ND	10.0									
1,3,5-Trimethylbenzene	ND	10.0									
1,3-Dichlorobenzene	ND	10.0									
1,3-Dichloropropane	ND	10.0									
1,4-Dichlorobenzene	ND	10.0									
2,2-Dichloropropane	ND	10.0									
2-Butanone	ND	40.0									
2-Chlorotoluene	ND	10.0									
2-Hexanone	ND	20.0									
4-Chlorotoluene	ND	10.0									
4-Isopropyltoluene	ND	10.0									
4-Methyl-2-pentanone	ND	40.0									
Acetone	ND	100									
Benzene	ND	10.0									
Bromobenzene	ND	10.0									
Bromochloromethane	ND	10.0									
Bromodichloromethane	ND	10.0									
Bromoform	ND	10.0									
Bromomethane	ND	10.0									
Carbon Disulfide	ND	10.0									
Carbon tetrachloride	ND	10.0									
Chlorobenzene	ND	10.0									
Chloroethane	ND	10.0									
Chloroform	ND	10.0									
Chloromethane	ND	10.0									

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

QC SUMMARY REPORT

WO#: 1204114

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03T/01

TestCode: 8260_5035

Sample ID: MBLK-2573	SampType: MBLK	TestCode: 8260_5035	Units: µg/Kg	Prep Date:	RunNo: 4194						
Client ID: PBS	Batch ID: 2573	TestNo: SW8260B	SW5035A	Analysis Date: 5/10/2012	SeqNo: 56204						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,2-Dichloroethene	ND	10.0									
cis-1,3-Dichloropropene	ND	10.0									
Dibromochloromethane	ND	10.0									
Dibromomethane	ND	10.0									
Dichlorodifluoromethane	ND	10.0									
Ethylbenzene	ND	10.0									
Hexachlorobutadiene	ND	10.0									
Hexane	ND	10.0									
Isopropylbenzene	ND	10.0									
m,p-Xylene	ND	20.0									
Methyl tert-butyl ether	ND	10.0									
Methylene Chloride	ND	50.0									
Naphthalene	ND	10.0									
n-Butylbenzene	ND	10.0									
n-Propylbenzene	ND	10.0									
o-Xylene	ND	10.0									
sec-Butylbenzene	ND	10.0									
Styrene	ND	10.0									
tert-Butylbenzene	ND	10.0									
Tetrachloroethene	ND	10.0									
Toluene	ND	10.0									
trans-1,2-Dichloroethene	ND	10.0									
trans-1,3-Dichloropropene	ND	10.0									
Trichloroethene	ND	10.0									
Trichlorofluoromethane	ND	10.0									
Vinyl Chloride	ND	10.0									

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

QC SUMMARY REPORT

WO#: 1204114

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03T/01

TestCode: 8260_5035

Sample ID: MBLK-2573	SampType: MBLK	TestCode: 8260_5035	Units: µg/Kg	Prep Date:	RunNo: 4194						
Client ID: PBS	Batch ID: 2573	TestNo: SW8260B	SW5035A	Analysis Date: 5/10/2012	SeqNo: 56204						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	87.9		100.0		87.9	71.5	112				
Surr: 4-Bromofluorobenzene	81.4		100.0		81.4	75.7	122				
Surr: Dibromofluoromethane	88.3		100.0		88.3	64.3	124				
Surr: Toluene-d8	94.9		100.0		94.9	74.9	120				

Sample ID: LCS-2573	SampType: LCS	TestCode: 8260_5035	Units: µg/Kg	Prep Date: 5/10/2012	RunNo: 4194						
Client ID: LCSS	Batch ID: 2573	TestNo: SW8260B	SW5035A	Analysis Date: 5/10/2012	SeqNo: 56210						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	67.7	10.0	60.00	0	113	82.4	121				
Benzene	65.3	10.0	60.00	0	109	74.3	136				
Chlorobenzene	64.4	10.0	60.00	0	107	85.9	121				
Toluene	65.2	10.0	60.00	0	109	85.1	123				
Trichloroethene	64.0	10.0	60.00	0	107	87.8	119				

Sample ID: LCSD-2573	SampType: LCSD	TestCode: 8260_5035	Units: µg/Kg	Prep Date: 5/10/2012	RunNo: 4194						
Client ID: LCSS02	Batch ID: 2573	TestNo: SW8260B	SW5035A	Analysis Date: 5/10/2012	SeqNo: 56211						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	67.5	10.0	60.00	0	112	82.4	121	67.73	0.399	20	
Benzene	64.5	10.0	60.00	0	107	74.3	136	65.32	1.29	20	
Chlorobenzene	63.3	10.0	60.00	0	106	85.9	121	64.45	1.77	20	
Toluene	64.4	10.0	60.00	0	107	85.1	123	65.22	1.25	20	
Trichloroethene	63.2	10.0	60.00	0	105	87.8	119	63.97	1.27	20	

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

QC SUMMARY REPORT

WO#: 1204114

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03T/01

TestCode: HCID_NW

Sample ID: MB-2342	SampType: MBLK	TestCode: HCID_NW	Units: mg/Kg	Prep Date: 4/16/2012	RunNo: 3750						
Client ID: PBS	Batch ID: 2342	TestNo: NWHCID		Analysis Date: 4/17/2012	SeqNo: 50254						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	20.0									
Mineral Spirits	ND	20.0									
Kerosene	ND	50.0									
Diesel	ND	50.0									
Lube Oil	ND	100									
Surr: BFB	109		100.0		109	50	150				
Surr: o-Terphenyl	101		100.0		101	50	150				

Sample ID: 1204123-006ADUP	SampType: DUP	TestCode: HCID_NW	Units: mg/Kg-dry	Prep Date: 4/16/2012	RunNo: 3750						
Client ID: ZZZZZZ	Batch ID: 2342	TestNo: NWHCID		Analysis Date: 4/17/2012	SeqNo: 50261						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	24.9						0	0	20	
Mineral Spirits	ND	24.9						0	0	20	
Kerosene	ND	62.2						0	0	20	
Diesel	ND	62.2						0	0	20	
Lube Oil	ND	124						0	0	20	

Sample ID: 1204114-010ADUP	SampType: DUP	TestCode: HCID_NW	Units: mg/Kg-dry	Prep Date: 4/16/2012	RunNo: 3750						
Client ID: 32nd St-SS01-S-0.0	Batch ID: 2342	TestNo: NWHCID		Analysis Date: 4/17/2012	SeqNo: 50271						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	26.3						0	0	20	
Mineral Spirits	ND	26.3						0	0	20	
Kerosene	ND	65.7						0	0	20	

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

Page 10 of 19

QC SUMMARY REPORT

WO#: 1204114

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03T/01

TestCode: HCID_NW

Sample ID: 1204114-010ADUP	SampType: DUP	TestCode: HCID_NW	Units: mg/Kg-dry	Prep Date: 4/16/2012	RunNo: 3750						
Client ID: 32nd St-SS01-S-0.0	Batch ID: 2342	TestNo: NWHCID		Analysis Date: 4/17/2012	SeqNo: 50271						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	368	65.7						201.1	58.5	20	R
Lube Oil	1,970	131						1,083	57.9	20	R

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

Page 11 of 19

QC SUMMARY REPORT

WO#: 1204114

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03T/01

TestCode: HG_CTS

Sample ID: 1204114-001AMS	SampType: MS	TestCode: HG_CTS	Units: mg/Kg-dry	Prep Date: 4/18/2012	RunNo: 3780						
Client ID: 32nd St-SS10-S-0.0	Batch ID: 2358	TestNo: SW 7471B	SW 7471B	Analysis Date: 4/18/2012	SeqNo: 50671						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.272	0.0173	0.2597	0.07362	76.3	78.1	125				S

Sample ID: 1204114-001AMSD	SampType: MSD	TestCode: HG_CTS	Units: mg/Kg-dry	Prep Date: 4/18/2012	RunNo: 3780						
Client ID: 32nd St-SS10-S-0.0	Batch ID: 2358	TestNo: SW 7471B	SW 7471B	Analysis Date: 4/18/2012	SeqNo: 50672						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.254	0.0173	0.2597	0.07362	69.6	78.1	125	0.2718	6.58	20	S

Sample ID: MB-2358		SampType: MBLK	TestCode: HG_CTS		Units: mg/Kg		Prep Date: 4/18/2012			RunNo: 3780		
Client ID: PBS		Batch ID: 2358	TestNo: SW 7471B		SW 7471B		Analysis Date: 4/18/2012			SeqNo: 50673		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	ND	0.0167									

Sample ID: LCS-2358	SampType: LCS	TestCode: HG_CTS	Units: mg/Kg	Prep Date: 4/18/2012	RunNo: 3780						
Client ID: LCSS	Batch ID: 2358	TestNo: SW 7471B	SW 7471B	Analysis Date: 4/18/2012	SeqNo: 50674						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.245	0.0167	0.2500	0	98.0	88.2	113				

Sample ID: 1204114-001ADUP		SampType: DUP		TestCode: HG_CTS		Units: mg/Kg-dry		Prep Date: 4/18/2012		RunNo: 3780	
Client ID: 32nd St-SS10-S-0.0		Batch ID: 2358		TestNo: SW 7471B		SW 7471B		Analysis Date: 4/18/2012		SeqNo: 50676	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.0718	0.0173						0.07362	2.48	20	

Qualifiers:	B	Analyte detected in the associated Method Blank	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit	Page 12 of 19
	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits			

QC SUMMARY REPORT

WO#: 1204114

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T/01

TestCode: HG_CTS

Sample ID: CCV		SampType: CCV		TestCode: HG_CTS		Units: mg/Kg		Prep Date:			RunNo: 3780		
Client ID: CCV		Batch ID: 2358		TestNo: SW 7471B		SW 7471B		Analysis Date: 4/18/2012			SeqNo: 50692		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.245	0.0167	0.2500	0	98.2	90	110

Sample ID: CCV		SampType: CCV		TestCode: HG_CTS		Units: mg/Kg		Prep Date:			RunNo: 3780		
Client ID: CCV		Batch ID: 2358		TestNo: SW 7471B		SW 7471B		Analysis Date: 4/18/2012			SeqNo: 50693		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.263	0.0167	0.2500	0	105	90	110

Sample ID: CCV		SampType: CCV		TestCode: HG_CTS		Units: mg/Kg		Prep Date:			RunNo: 3780		
Client ID: CCV		Batch ID: 2358		TestNo: SW 7471B		SW 7471B		Analysis Date: 4/18/2012			SeqNo: 50694		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.261	0.0167	0.2500	0	104	90	110

QC SUMMARY REPORT

WO#: 1204114

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T/01

TestCode: NWTPHDX_S

Sample ID: CCV	SampType: CCV	TestCode: NWTPHDX_S	Units: mg/Kg	Prep Date:	RunNo: 3802						
Client ID: CCV	Batch ID: 2362	TestNo: NWTPH-Dx	SW3545A	Analysis Date: 4/18/2012	SeqNo: 50946						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel	1,340	15.0	1,363	0	98.1	85	115
Lube Oil	646	50.0	699.3	0	92.4	85	115

Sample ID: MB-2362		SampType: MBLK		TestCode: NWTPHDX_S		Units: mg/Kg		Prep Date: 4/18/2012		RunNo: 3802			
Client ID: PBS		Batch ID: 2362		TestNo: NWTPH-Dx		SW3545A		Analysis Date: 4/18/2012		SeqNo: 50947			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel	ND	15.0					
Lube Oil	ND	50.0					
Surr: o-Terphenyl	31.1		33.30		93.5	50	150

Sample ID: LCS-2362	SampType: LCS	TestCode: NWTPHDX_S	Units: mg/Kg	Prep Date: 4/18/2012	RunNo: 3802						
Client ID: LCSS	Batch ID: 2362	TestNo: NWTPH-Dx	SW3545A	Analysis Date: 4/18/2012	SeqNo: 50948						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel	164	15.0	166.5	0	98.3	76.3	125
Lube Oil	169	50.0	166.5	0	102	69.9	127

Sample ID: 1204114-007ADUP	SampType: DUP	TestCode: NWTPHDX_S	Units: mg/Kg-dry	Prep Date: 4/18/2012	RunNo: 3802						
Client ID: 32nd St-SS06-S-0.0	Batch ID: 2362	TestNo: NWTPH-Dx	SW3545A	Analysis Date: 4/18/2012	SeqNo: 50952						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel	34.1	16.2					39.24	14.0	20
Lube Oil	316	53.9					363.3	14.1	20

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 14 of 19
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

WO#: 1204114

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03T/01

TestCode: NWTPHDX_S

Sample ID: CCV	SampType: CCV	TestCode: NWTPHDX_S		Units: mg/Kg	Prep Date:		RunNo: 3802				
Client ID: CCV	Batch ID: 2362	TestNo: NWTPH-Dx		SW3545A	Analysis Date: 4/18/2012		SeqNo: 50953				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	1,120	15.0	1,022	0	109	85	115				
Lube Oil	502	50.0	524.5	0	95.7	85	115				

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

Page 15 of 19

QC SUMMARY REPORT

WO#: 1204114

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03T/01

TestCode: PAHLL_S

Sample ID: CCV-2525	SampType: CCV	TestCode: PAHLL_S	Units: µg/Kg	Prep Date:	RunNo: 4119						
Client ID: CCV	Batch ID: 2525	TestNo: SW8270D	SW 3545A	Analysis Date: 5/8/2012	SeqNo: 55140						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	55.3	6.67	66.67	0	83.0	80	120				
Acenaphthylene	54.0	6.67	66.67	0	81.0	80	120				
Anthracene	56.7	6.67	66.67	0	85.0	80	120				
Benz(a)anthracene	54.7	6.67	66.67	0	82.0	80	120				
Benzo(a)pyrene	55.3	6.67	66.67	0	83.0	80	120				
Benzo(b)fluoranthene	58.0	6.67	66.67	0	87.0	80	120				
Benzo(g,h,i)perylene	54.7	6.67	66.67	0	82.0	80	120				
Benzo(k)fluoranthene	56.0	6.67	66.67	0	84.0	80	120				
Chrysene	57.3	6.67	66.67	0	86.0	80	120				
Dibenz(a,h)anthracene	56.7	6.67	66.67	0	85.0	80	120				
Fluoranthene	56.0	6.67	66.67	0	84.0	80	120				
Fluorene	61.3	6.67	66.67	0	92.0	80	120				
Indeno(1,2,3-cd)pyrene	54.0	6.67	66.67	0	81.0	80	120				
Naphthalene	55.3	6.67	66.67	0	83.0	80	120				
Phenanthrene	55.3	6.67	66.67	0	83.0	80	120				
Pyrene	54.7	6.67	66.67	0	82.0	80	120				

Sample ID: MB-2525	SampType: MBLK	TestCode: PAHLL_S	Units: µg/Kg	Prep Date: 5/7/2012	RunNo: 4119						
Client ID: PBS	Batch ID: 2525	TestNo: SW8270D	SW 3545A	Analysis Date: 5/8/2012	SeqNo: 55141						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Methylnaphthalene	ND	6.67									
2-Methylnaphthalene	ND	6.67									
Acenaphthene	ND	6.67									
Acenaphthylene	ND	6.67									

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

Page 16 of 19

QC SUMMARY REPORT

WO#: 1204114

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03T/01

TestCode: PAHLL_S

Sample ID: MB-2525	SampType: MBLK	TestCode: PAHLL_S	Units: µg/Kg	Prep Date: 5/7/2012	RunNo: 4119						
Client ID: PBS	Batch ID: 2525	TestNo: SW8270D	SW 3545A	Analysis Date: 5/8/2012	SeqNo: 55141						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Anthracene	ND	6.67									
Benz(a)anthracene	ND	6.67									
Benzo(a)pyrene	ND	6.67									
Benzo(b)fluoranthene	ND	6.67									
Benzo(g,h,i)perylene	ND	6.67									
Benzo(k)fluoranthene	ND	6.67									
Chrysene	ND	6.67									
Dibenz(a,h)anthracene	ND	6.67									
Fluoranthene	ND	6.67									
Fluorene	ND	6.67									
Indeno(1,2,3-cd)pyrene	ND	6.67									
Naphthalene	ND	6.67									
Phenanthrene	ND	6.67									
Pyrene	ND	6.67									
Surr: 2-Fluorobiphenyl	3,860		6,667		57.9	42.6	128				
Surr: Nitrobenzene-d5	4,600		6,667		69.0	21.7	155				
Surr: p-Terphenyl-d14	5,400		6,667		80.9	44.9	155				

Sample ID: LCS-2525	SampType: LCS	TestCode: PAHLL_S	Units: µg/Kg	Prep Date: 5/7/2012	RunNo: 4119						
Client ID: LCSS	Batch ID: 2525	TestNo: SW8270D	SW 3545A	Analysis Date: 5/8/2012	SeqNo: 55263						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	250	6.67	333.3	0	75.0	39.6	107				
Acenaphthylene	272	6.67	333.3	0	81.6	38.9	102				
Anthracene	250	6.67	333.3	0	75.0	43.4	119				

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

QC SUMMARY REPORT

WO#: 1204114

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03T/01

TestCode: PAHLL_S

Sample ID: LCS-2525		SampType: LCS		TestCode: PAHLL_S		Units: µg/Kg		Prep Date: 5/7/2012			RunNo: 4119		
Client ID: LCSS		Batch ID: 2525		TestNo: SW8270D		SW 3545A		Analysis Date: 5/8/2012			SeqNo: 55263		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benz(a)anthracene	267	6.67	333.3	0	80.2	48.4	121				
Benzo(a)pyrene	176	6.67	333.3	0	52.8	37.7	137				
Benzo(b)fluoranthene	297	6.67	333.3	0	89.2	58.6	117				
Benzo(g,h,i)perylene	231	6.67	333.3	0	69.4	49.7	135				
Benzo(k)fluoranthene	329	6.67	333.3	0	98.8	46.1	124				
Chrysene	293	6.67	333.3	0	88.0	57.1	130				
Dibenz(a,h)anthracene	285	6.67	333.3	0	85.4	44.2	124				
Fluoranthene	294	6.67	333.3	0	88.2	53.4	113				
Fluorene	260	6.67	333.3	0	78.0	37.1	114				
Indeno(1,2,3-cd)pyrene	273	6.67	333.3	0	81.8	47.9	121				
Naphthalene	274	6.67	333.3	0	82.2	29.1	109				
Phenanthrene	265	6.67	333.3	0	79.6	48.4	115				
Pyrene	274	6.67	333.3	0	82.2	47.2	134				

Sample ID: 1204178-009AMS	SampType: MS	TestCode: PAHLL_S	Units: µg/Kg-dry	Prep Date: 5/7/2012	RunNo: 4119						
Client ID: ZZZZZZ	Batch ID: 2525	TestNo: SW8270D	SW 3545A	Analysis Date: 5/8/2012	SeqNo: 55264						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	1,080	44.0	440.1	490.3	134	33.7	111				SMIH
Benzo(g,h,i)perylene	361	44.0	440.1	0	82.0	15	128				MIH
Chrysene	392	44.0	440.1	24.65	83.4	37.5	125				MIH
Fluorene	1,990	44.0	440.1	1,381	137	48.6	117				SMIH
Naphthalene	506	44.0	440.1	276.4	52.2	27.7	108				MIH
Phenanthrene	5,130	44.0	440.1	4,232	204	20.2	139				SMCH

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

Page 18 of 19

QC SUMMARY REPORT

WO#: 1204114

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03T/01

TestCode: PAHLL_S

Sample ID: 1204178-009AMSD	SampType: MSD	TestCode: PAHLL_S	Units: µg/Kg-dry	Prep Date: 5/7/2012	RunNo: 4119						
Client ID: ZZZZZZ	Batch ID: 2525	TestNo: SW8270D	SW 3545A	Analysis Date: 5/8/2012	SeqNo: 55265						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	1,270	44.0	440.1	490.3	178	33.7	111	1,078	16.5	20	SMIH
Benzo(g,h,i)perylene	387	44.0	440.1	0	88.0	15	128	360.9	7.06	20	MIH
Chrysene	379	44.0	440.1	24.65	80.4	37.5	125	391.7	3.43	20	MIH
Fluorene	2,100	44.0	440.1	1,381	163	48.6	117	1,985	5.60	20	SMIH
Naphthalene	555	44.0	440.1	276.4	63.2	27.7	108	506.2	9.13	20	MIH
Phenanthrene	5,700	44.0	440.1	4,232	334	20.2	139	5,128	10.6	20	SMCH

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

Page 19 of 19

KEY TO FLAGS

Rev. May 12, 2010

- A This sample contains a Gasoline Range Organic not identified as a specific hydrocarbon product. The result was quantified against gasoline calibration standards
- A1 This sample contains a Diesel Range Organic not identified as a specific hydrocarbon product. The result was quantified against diesel calibration standards.
- A2 This sample contains a Lube Oil Range Organic not identified as a specific hydrocarbon product. The result was quantified against a lube oil calibration standard.
- A3 The result was determined to be Non-Detect based on hydrocarbon pattern recognition. The product was carry-over from another hydrocarbon type.
- A4 The product appears to be aged or degraded diesel.
- B The blank exhibited a positive result great than the reporting limit for this compound.
- CN See Case Narrative.
- D Result is based from a dilution.
- E Result exceeds the calibration range for this compound. The result should be considered as estimate.
- F The positive result for this hydrocarbon is due to single component contamination. The product does not match any hydrocarbon in the fuels library.
- G Result may be biased high due to biogenic interferences. Clean up is recommended.
- H Sample was analyzed outside recommended holding time.
- HT At clients request, samples was analyzed outside of recommended holding time.
- J The result for this analyte is between the MDL and the PQL and should be considered as estimated concentration.
- K Diesel result is biased high due to amount of Oil contained in the sample.
- L Diesel result is biased high due to amount of Gasoline contained in the sample.
- M Oil result is biased high due to amount of Diesel contained in the sample.
- MC Sample concentration is greater than 4x the spiked value, the spiked value is considered insignificant.
- MI Result is outside control limits due to matrix interference.
- MSA Value determined by Method of Standard Addition.
- O Laboratory Control Standard (LCS) exceeded laboratory control limits, but meets CCV criteria. Data meets EPA requirements.
- Q Detection levels elevated due to sample matrix.
- R RPD control limits were exceeded.
- RF Duplicate failed due to result being at or near the method-reporting limit.
- RP Matrix spike values exceed established QC limits; post digestion spike is in control.
- S Recovery is outside control limits.
- SC Closing CCV or LCS exceeded high recovery control limits, but associated samples are non-detect. Data meets EPA requirements.
- * The result for this parameter was greater than the maximum contaminant level of the TCLP regulatory limit.

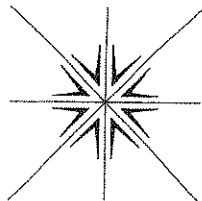
KEY TO FLAGS

Rev. May 12, 2010

- A This sample contains a Gasoline Range Organic not identified as a specific hydrocarbon product. The result was quantified against gasoline calibration standards
- A1 This sample contains a Diesel Range Organic not identified as a specific hydrocarbon product. The result was quantified against diesel calibration standards.
- A2 This sample contains a Lube Oil Range Organic not identified as a specific hydrocarbon product. The result was quantified against a lube oil calibration standard.
- A3 The result was determined to be Non-Detect based on hydrocarbon pattern recognition. The product was carry-over from another hydrocarbon type.
- A4 The product appears to be aged or degraded diesel.
- B The blank exhibited a positive result great than the reporting limit for this compound.
- CN See Case Narrative.
- D Result is based from a dilution.
- E Result exceeds the calibration range for this compound. The result should be considered as estimate.
- F The positive result for this hydrocarbon is due to single component contamination. The product does not match any hydrocarbon in the fuels library.
- G Result may be biased high due to biogenic interferences. Clean up is recommended.
- H Sample was analyzed outside recommended holding time.
- HT At clients request, samples was analyzed outside of recommended holding time.
- J The result for this analyte is between the MDL and the PQL and should be considered as estimated concentration.
- K Diesel result is biased high due to amount of Oil contained in the sample.
- L Diesel result is biased high due to amount of Gasoline contained in the sample.
- M Oil result is biased high due to amount of Diesel contained in the sample.
- MC Sample concentration is greater than 4x the spiked value, the spiked value is considered insignificant.
- MI Result is outside control limits due to matrix interference.
- MSA Value determined by Method of Standard Addition.
- O Laboratory Control Standard (LCS) exceeded laboratory control limits, but meets CCV criteria. Data meets EPA requirements.
- Q Detection levels elevated due to sample matrix.
- R RPD control limits were exceeded.
- RF Duplicate failed due to result being at or near the method-reporting limit.
- RP Matrix spike values exceed established QC limits; post digestion spike is in control.
- S Recovery is outside control limits.
- SC Closing CCV or LCS exceeded high recovery control limits, but associated samples are non-detect. Data meets EPA requirements.
- * The result for this parameter was greater than the maximum contaminant level of the TCLP regulatory limit.

CHAIN OF CUSTODY RECORD

Page 2 of 2



Specialty Analytical

11711 SE Capps Road
Clackamas, OR 97015
Phone: 503-607-1331
Fax: 503-607-1336

Contact Person/Project Manager Christina Johnson
Company MFA
Address 400 East Mill Plain Ste 400
Vancouver, WA 98660
Phone 360-433-0249 Fax 360-906-1958
Project No. 6564.01.03T/01 Project Name 32nd Street
Project Site Location OR WA X Other _____
Invoice To Same P.O. No. _____

Collected By:

Signature _____

Printed Andrew Vidourek

Signature _____

Printed _____

Turn Around Time

☒ Normal 5-7 Business Days

☐ Rush _____

Specify

Rush Analyses Must Be Scheduled With The Lab In Advance

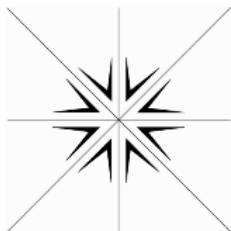
No. of Containers	Analyses										For Laboratory Use	
	NWTPH-HCID	total RECAP methods	DX	PAH	VOC	PCB					Lab Job No.	
											Shipped Via	
											Air Bill No.	
											Temperature On Receipt	4 °C
											Specialty Analytical Containers?	Y / N
											Specialty Analytical Trip Blanks?	Y / N
Date	Time	Sample I.D.	Matrix								Comments	Lab I.D.
4/12/12	0930	32ndST-SS10-S-0.0	S	6	X	X					possible follow up	
4/12/12	1100	32ndST-SS09-S-0.0	S	6	X	X					for all sample	
4/12/12	1130	32ndST-SS08-S-0.0	S	6	X	X	⊗				for PAH + PCBs	
4/12/12	1200	32ndST-SS07-S-0.0	S	6	X	X					VOCs, PCBs, Gao.	
4/12/12	1400	32ndST-SS05-S-0.0	S	6	X	X					DX	
4/12/12	1430	32ndST-SS03-S-0.0	S	6	X	X						
4/12/12	1500	32ndST-SS06-S-0.0	S	6	X	X	⊗				⊗ Added 4/17/12 NB	
4/12/12	1530	32ndST-SS02-S-0.0	S	6	X	X						
4/12/12	1600	32ndST-SS14-S-0.0	S	6	X	X						
4/12/12	1645	32ndST-SS01-S-0.0	S	6	X	X	⊗	⊗	⊗	⊗		

Relinquished By: <u>Andrew Vidourek</u> Company: <u>MFA</u>	Date: <u>4/12/12</u> Time: <u>1815</u>	Received By: <u>Raeene [Signature]</u> Company: _____	Relinquished By: <u>Raeene [Signature]</u> Company: _____	Date: <u>4/13/12</u> Time: <u>1600</u>
Unless Reclaimed, Samples Will Be Disposed of 60 Days After Receipt. Samples held beyond 60 days subject to storage fee(s)			Received For Lab By: <u>Cindy [Signature]</u>	Date: <u>4/13/12</u> Time: <u>1400</u>

Copies: White-Original

Yellow-Project File

Pink-Customer Copy



Specialty Analytical

11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

May 16, 2012

Christina Johnson
Maul Foster & Alongi
400 E. Mill Plain Blvd.
Suite 400
Vancouver, Washington 98660
TEL: (360) 694-2691
FAX: (360) 906-1958
RE: 32nd Street / 0564.01.03T/01

Dear Christina Johnson:

Order No.: 1204114

Specialty Analytical received 10 sample(s) on 4/13/2012 for the analyses presented in the following report.

REVISED REPORT VERSION 1. Please see case narrative for information on revision.

There were no problems with the analysis and all data for associated QC met EPA or laboratory specifications, except where noted in the Case Narrative, or as qualified with flags. Results apply only to the samples analyzed. Without approval of the laboratory, the reproduction of this report is only permitted in its entirety.

If you have any questions regarding these tests, please feel free to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Marty French", written in a cursive style.

Marty French
Lab Director

Case Narrative

WO#: 1204114

Date: 5/16/2012

CLIENT:	Maul Foster & Alongi
Project:	32nd Street / 0564.01.03T/01

Report Revision 1.

At the request of the client, PAH's, PCB's and VOC's were added to sample 32ndSt-SS01-S-0.0 (1204114-010) after the original data was reported.

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T/01
Lab ID: 1204114-001
Client Sample ID: 32nd St-SS10-S-0.0

Collection Date: 4/12/2012 9:30:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID				Analyst: kbh
Gasoline	ND	22.2		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Mineral Spirits	ND	22.2		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Kerosene	ND	55.4		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Diesel	ND	55.4		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Lube Oil	ND	111		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Surr: BFB	105	50-150		%REC	1	4/17/2012 12:22:00 AM
Surr: o-Terphenyl	99.1	50-150		%REC	1	4/17/2012 12:22:00 AM
RCRA_8		SW6010C				Analyst: CT
Arsenic	ND	2.13		mg/Kg-dry	1	4/17/2012 4:39:18 PM
Barium	78.3	1.07		mg/Kg-dry	1	4/17/2012 4:39:18 PM
Cadmium	ND	0.107		mg/Kg-dry	1	4/17/2012 4:39:18 PM
Chromium	13.4	0.533		mg/Kg-dry	1	4/17/2012 4:39:18 PM
Lead	2.13	2.13		mg/Kg-dry	1	4/17/2012 4:39:18 PM
Selenium	ND	2.13		mg/Kg-dry	1	4/17/2012 4:39:18 PM
Silver	3.51	2.13		mg/Kg-dry	1	4/17/2012 4:39:18 PM
RCRA_8		SW 7471B				Analyst: CT
Mercury	0.0736	0.0173		mg/Kg-dry	1	4/18/2012 1:07:54 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T/01
Lab ID: 1204114-002
Client Sample ID: 32nd St-SS09-S-0.0

Collection Date: 4/12/2012 11:00:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID				Analyst: kbh
Gasoline	ND	25.3		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Mineral Spirits	ND	25.3		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Kerosene	ND	63.3		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Diesel	ND	63.3		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Lube Oil	ND	127		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Surr: BFB	83.1	50-150		%REC	1	4/17/2012 12:22:00 AM
Surr: o-Terphenyl	82.4	50-150		%REC	1	4/17/2012 12:22:00 AM
RCRA_8		SW6010C				Analyst: CT
Arsenic	ND	2.53		mg/Kg-dry	1	4/17/2012 4:43:49 PM
Barium	322	1.27		mg/Kg-dry	1	4/17/2012 4:43:49 PM
Cadmium	ND	0.127		mg/Kg-dry	1	4/17/2012 4:43:49 PM
Chromium	24.6	0.633		mg/Kg-dry	1	4/17/2012 4:43:49 PM
Lead	15.9	2.53		mg/Kg-dry	1	4/17/2012 4:43:49 PM
Selenium	ND	2.53		mg/Kg-dry	1	4/17/2012 4:43:49 PM
Silver	2.84	2.53		mg/Kg-dry	1	4/17/2012 4:43:49 PM
RCRA_8		SW 7471B				Analyst: CT
Mercury	0.0517	0.0211		mg/Kg-dry	1	4/18/2012 1:07:54 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T/01
Lab ID: 1204114-003
Client Sample ID: 32nd St-SS08-S-0.0

Collection Date: 4/12/2012 11:30:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID				Analyst: kbh
Gasoline	ND	22.2		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Mineral Spirits	ND	22.2		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Kerosene	ND	55.4		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Diesel	ND	55.4		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Lube Oil	Lube Oil	111		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Surr: BFB	103	50-150		%REC	1	4/17/2012 12:22:00 AM
Surr: o-Terphenyl	98.8	50-150		%REC	1	4/17/2012 12:22:00 AM
NWTPH-DX		NWTPH-DX				Analyst: kbh
Diesel	36.8	16.6		mg/Kg-dry	1	4/18/2012 3:02:00 PM
Lube Oil	243	55.4		mg/Kg-dry	1	4/18/2012 3:02:00 PM
Surr: o-Terphenyl	94.0	50-150		%REC	1	4/18/2012 3:02:00 PM
RCRA_8		SW6010C				Analyst: CT
Arsenic	ND	1.79		mg/Kg-dry	1	4/17/2012 5:11:31 PM
Barium	76.2	0.894		mg/Kg-dry	1	4/17/2012 5:11:31 PM
Cadmium	ND	0.089		mg/Kg-dry	1	4/17/2012 5:11:31 PM
Chromium	7.38	0.447		mg/Kg-dry	1	4/17/2012 5:11:31 PM
Lead	2.64	1.79		mg/Kg-dry	1	4/17/2012 5:11:31 PM
Selenium	ND	1.79		mg/Kg-dry	1	4/17/2012 5:11:31 PM
Silver	2.12	1.79		mg/Kg-dry	1	4/17/2012 5:11:31 PM
RCRA_8		SW 7471B				Analyst: CT
Mercury	ND	0.0154		mg/Kg-dry	1	4/18/2012 1:07:54 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T/01
Lab ID: 1204114-004
Client Sample ID: 32nd St-SS07-S-0.0

Collection Date: 4/12/2012 12:00:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID				Analyst: kbh
Gasoline	ND	23.1		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Mineral Spirits	ND	23.1		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Kerosene	ND	57.8		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Diesel	ND	57.8		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Lube Oil	ND	116		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Surr: BFB	109	50-150		%REC	1	4/17/2012 12:22:00 AM
Surr: o-Terphenyl	105	50-150		%REC	1	4/17/2012 12:22:00 AM
RCRA_8		SW6010C				Analyst: CT
Arsenic	ND	2.22		mg/Kg-dry	1	4/17/2012 5:16:02 PM
Barium	89.7	1.11		mg/Kg-dry	1	4/17/2012 5:16:02 PM
Cadmium	ND	0.111		mg/Kg-dry	1	4/17/2012 5:16:02 PM
Chromium	6.96	0.556		mg/Kg-dry	1	4/17/2012 5:16:02 PM
Lead	2.34	2.22		mg/Kg-dry	1	4/17/2012 5:16:02 PM
Selenium	ND	2.22		mg/Kg-dry	1	4/17/2012 5:16:02 PM
Silver	2.49	2.22		mg/Kg-dry	1	4/17/2012 5:16:02 PM
RCRA_8		SW 7471B				Analyst: CT
Mercury	ND	0.0161		mg/Kg-dry	1	4/18/2012 1:07:54 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T/01
Lab ID: 1204114-005
Client Sample ID: 32nd St-SS05-S-0.0

Collection Date: 4/12/2012 2:00:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID				Analyst: kbh
Gasoline	ND	22.3		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Mineral Spirits	ND	22.3		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Kerosene	ND	55.9		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Diesel	ND	55.9		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Lube Oil	ND	112		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Surr: BFB	91.3	50-150		%REC	1	4/17/2012 12:22:00 AM
Surr: o-Terphenyl	90.1	50-150		%REC	1	4/17/2012 12:22:00 AM
RCRA_8		SW6010C				Analyst: CT
Arsenic	ND	1.96		mg/Kg-dry	1	4/17/2012 5:20:34 PM
Barium	72.4	0.980		mg/Kg-dry	1	4/17/2012 5:20:34 PM
Cadmium	ND	0.098		mg/Kg-dry	1	4/17/2012 5:20:34 PM
Chromium	5.81	0.490		mg/Kg-dry	1	4/17/2012 5:20:34 PM
Lead	7.74	1.96		mg/Kg-dry	1	4/17/2012 5:20:34 PM
Selenium	ND	1.96		mg/Kg-dry	1	4/17/2012 5:20:34 PM
Silver	ND	1.96		mg/Kg-dry	1	4/17/2012 5:20:34 PM
RCRA_8		SW 7471B				Analyst: CT
Mercury	ND	0.0187		mg/Kg-dry	1	4/18/2012 1:07:54 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T/01
Lab ID: 1204114-006
Client Sample ID: 32nd St-SS03-S-0.0

Collection Date: 4/12/2012 2:30:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID				Analyst: kbh
Gasoline	ND	24.1		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Mineral Spirits	ND	24.1		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Kerosene	ND	60.2		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Diesel	ND	60.2		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Lube Oil	ND	120		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Surr: BFB	99.3	50-150		%REC	1	4/17/2012 12:22:00 AM
Surr: o-Terphenyl	94.0	50-150		%REC	1	4/17/2012 12:22:00 AM
RCRA_8		SW6010C				Analyst: CT
Arsenic	2.45	2.19		mg/Kg-dry	1	4/17/2012 5:25:06 PM
Barium	126	1.09		mg/Kg-dry	1	4/17/2012 5:25:06 PM
Cadmium	ND	0.109		mg/Kg-dry	1	4/17/2012 5:25:06 PM
Chromium	50.8	0.547		mg/Kg-dry	1	4/17/2012 5:25:06 PM
Lead	7.25	2.19		mg/Kg-dry	1	4/17/2012 5:25:06 PM
Selenium	ND	2.19		mg/Kg-dry	1	4/17/2012 5:25:06 PM
Silver	ND	2.19		mg/Kg-dry	1	4/17/2012 5:25:06 PM
RCRA_8		SW 7471B				Analyst: CT
Mercury	0.0296	0.0189		mg/Kg-dry	1	4/18/2012 1:07:54 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T/01
Lab ID: 1204114-007
Client Sample ID: 32nd St-SS06-S-0.0

Collection Date: 4/12/2012 3:00:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID				Analyst: kbh
Gasoline	ND	21.6		mg/Kg-dry	1	4/16/2012
Mineral Spirits	ND	21.6		mg/Kg-dry	1	4/16/2012
Kerosene	ND	53.9		mg/Kg-dry	1	4/16/2012
Diesel	ND	53.9		mg/Kg-dry	1	4/16/2012
Lube Oil	Lube Oil	108		mg/Kg-dry	1	4/16/2012
Surr: BFB	109	50-150		%REC	1	4/16/2012
Surr: o-Terphenyl	103	50-150		%REC	1	4/16/2012
NWTPH-DX		NWTPH-DX				Analyst: kbh
Diesel	39.2	16.2		mg/Kg-dry	1	4/18/2012 3:02:00 PM
Lube Oil	363	53.9		mg/Kg-dry	1	4/18/2012 3:02:00 PM
Surr: o-Terphenyl	87.3	50-150		%REC	1	4/18/2012 3:02:00 PM
RCRA_8		SW6010C				Analyst: CT
Arsenic	ND	2.16		mg/Kg-dry	1	4/17/2012 5:29:52 PM
Barium	86.7	1.08		mg/Kg-dry	1	4/17/2012 5:29:52 PM
Cadmium	0.173	0.108		mg/Kg-dry	1	4/17/2012 5:29:52 PM
Chromium	15.4	0.539		mg/Kg-dry	1	4/17/2012 5:29:52 PM
Lead	29.1	2.16		mg/Kg-dry	1	4/17/2012 5:29:52 PM
Selenium	ND	2.16		mg/Kg-dry	1	4/17/2012 5:29:52 PM
Silver	ND	2.16		mg/Kg-dry	1	4/17/2012 5:29:52 PM
RCRA_8		SW 7471B				Analyst: CT
Mercury	ND	0.0169		mg/Kg-dry	1	4/18/2012 1:07:54 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T/01
Lab ID: 1204114-008
Client Sample ID: 32nd St-SS02-S-0.0

Collection Date: 4/12/2012 3:30:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID				Analyst: kbh
Gasoline	ND	25.5		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Mineral Spirits	ND	25.5		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Kerosene	ND	63.7		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Diesel	ND	63.7		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Lube Oil	ND	127		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Surr: BFB	103	50-150		%REC	1	4/17/2012 12:22:00 AM
Surr: o-Terphenyl	94.8	50-150		%REC	1	4/17/2012 12:22:00 AM
RCRA_8		SW6010C				Analyst: CT
Arsenic	ND	2.32		mg/Kg-dry	1	4/17/2012 5:34:23 PM
Barium	217	1.16		mg/Kg-dry	1	4/17/2012 5:34:23 PM
Cadmium	ND	0.116		mg/Kg-dry	1	4/17/2012 5:34:23 PM
Chromium	16.0	0.579		mg/Kg-dry	1	4/17/2012 5:34:23 PM
Lead	3.57	2.32		mg/Kg-dry	1	4/17/2012 5:34:23 PM
Selenium	ND	2.32		mg/Kg-dry	1	4/17/2012 5:34:23 PM
Silver	ND	2.32		mg/Kg-dry	1	4/17/2012 5:34:23 PM
RCRA_8		SW 7471B				Analyst: CT
Mercury	0.0419	0.0200		mg/Kg-dry	1	4/18/2012 1:07:54 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T/01
Lab ID: 1204114-009
Client Sample ID: 32nd St-SS14-S-0.0

Collection Date: 4/12/2012 4:00:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID				Analyst: kbh
Gasoline	ND	23.0		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Mineral Spirits	ND	23.0		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Kerosene	ND	57.6		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Diesel	ND	57.6		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Lube Oil	ND	115		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Surr: BFB	107	50-150		%REC	1	4/17/2012 12:22:00 AM
Surr: o-Terphenyl	99.3	50-150		%REC	1	4/17/2012 12:22:00 AM
RCRA_8		SW6010C				Analyst: CT
Arsenic	2.72	2.17		mg/Kg-dry	1	4/17/2012 5:38:55 PM
Barium	135	1.09		mg/Kg-dry	1	4/17/2012 5:38:55 PM
Cadmium	ND	0.109		mg/Kg-dry	1	4/17/2012 5:38:55 PM
Chromium	13.2	0.543		mg/Kg-dry	1	4/17/2012 5:38:55 PM
Lead	10.6	2.17		mg/Kg-dry	1	4/17/2012 5:38:55 PM
Selenium	ND	2.17		mg/Kg-dry	1	4/17/2012 5:38:55 PM
Silver	2.19	2.17		mg/Kg-dry	1	4/17/2012 5:38:55 PM
RCRA_8		SW 7471B				Analyst: CT
Mercury	0.0172	0.0170		mg/Kg-dry	1	4/18/2012 1:07:54 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T/01
Lab ID: 1204114-010
Client Sample ID: 32nd St-SS01-S-0.0

Collection Date: 4/12/2012 4:45:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID		Analyst: kbh		
Gasoline	ND	26.3		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Mineral Spirits	ND	26.3		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Kerosene	ND	65.7		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Diesel	Diesel	65.7		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Lube Oil	Lube Oil	131		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Surr: BFB	95.0	50-150		%REC	1	4/17/2012 12:22:00 AM
Surr: o-Terphenyl	103	50-150		%REC	1	4/17/2012 12:22:00 AM
NWTPH-DX		NWTPH-DX		Analyst: kbh		
Diesel	317	19.7	A1	mg/Kg-dry	1	4/18/2012 3:02:00 PM
Lube Oil	1,470	65.7		mg/Kg-dry	1	4/18/2012 3:02:00 PM
Surr: o-Terphenyl	122	50-150		%REC	1	4/18/2012 3:02:00 PM
RCRA_8		SW6010C		Analyst: CT		
Arsenic	ND	2.39		mg/Kg-dry	1	4/17/2012 5:43:26 PM
Barium	66.0	1.19		mg/Kg-dry	1	4/17/2012 5:43:26 PM
Cadmium	0.203	0.119		mg/Kg-dry	1	4/17/2012 5:43:26 PM
Chromium	12.3	0.597		mg/Kg-dry	1	4/17/2012 5:43:26 PM
Lead	14.6	2.39		mg/Kg-dry	1	4/17/2012 5:43:26 PM
Selenium	ND	2.39		mg/Kg-dry	1	4/17/2012 5:43:26 PM
Silver	ND	2.39		mg/Kg-dry	1	4/17/2012 5:43:26 PM
RCRA_8		SW 7471B		Analyst: CT		
Mercury	0.0266	0.0183		mg/Kg-dry	1	4/18/2012 1:07:54 PM
PAH'S BY GC/MS - LOW LEVEL		SW8270D		Analyst: bda		
1-Methylnaphthalene	ND	8.76	HT	µg/Kg-dry	1	5/8/2012 10:22:00 AM
2-Methylnaphthalene	ND	8.76	HT	µg/Kg-dry	1	5/8/2012 10:22:00 AM
Acenaphthene	ND	8.76	HT	µg/Kg-dry	1	5/8/2012 10:22:00 AM
Acenaphthylene	ND	8.76	HT	µg/Kg-dry	1	5/8/2012 10:22:00 AM
Anthracene	ND	8.76	HT	µg/Kg-dry	1	5/8/2012 10:22:00 AM
Benz(a)anthracene	ND	8.76	HT	µg/Kg-dry	1	5/8/2012 10:22:00 AM
Benzo(a)pyrene	ND	8.76	HT	µg/Kg-dry	1	5/8/2012 10:22:00 AM
Benzo(b)fluoranthene	ND	8.76	HT	µg/Kg-dry	1	5/8/2012 10:22:00 AM
Benzo(g,h,i)perylene	ND	8.76	HT	µg/Kg-dry	1	5/8/2012 10:22:00 AM
Benzo(k)fluoranthene	ND	8.76	HT	µg/Kg-dry	1	5/8/2012 10:22:00 AM
Chrysene	ND	8.76	HT	µg/Kg-dry	1	5/8/2012 10:22:00 AM
Dibenz(a,h)anthracene	ND	8.76	HT	µg/Kg-dry	1	5/8/2012 10:22:00 AM
Fluoranthene	20.1	8.76	HT	µg/Kg-dry	1	5/8/2012 10:22:00 AM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T/01
Lab ID: 1204114-010
Client Sample ID: 32nd St-SS01-S-0.0

Collection Date: 4/12/2012 4:45:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PAH'S BY GC/MS - LOW LEVEL		SW8270D				Analyst: bda
Fluorene	ND	8.76	HT	µg/Kg-dry	1	5/8/2012 10:22:00 AM
Indeno(1,2,3-cd)pyrene	ND	8.76	HT	µg/Kg-dry	1	5/8/2012 10:22:00 AM
Naphthalene	ND	8.76	HT	µg/Kg-dry	1	5/8/2012 10:22:00 AM
Phenanthrene	ND	8.76	HT	µg/Kg-dry	1	5/8/2012 10:22:00 AM
Pyrene	28.9	8.76	HT	µg/Kg-dry	1	5/8/2012 10:22:00 AM
Surr: 2-Fluorobiphenyl	59.0	42.6-128	H	%REC	1	5/8/2012 10:22:00 AM
Surr: Nitrobenzene-d5	60.2	21.7-155	H	%REC	1	5/8/2012 10:22:00 AM
Surr: p-Terphenyl-d14	65.1	44.9-155	H	%REC	1	5/8/2012 10:22:00 AM
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
1,1,1,2-Tetrachloroethane	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
1,1,1-Trichloroethane	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
1,1,2,2-Tetrachloroethane	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
1,1,2-Trichloroethane	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
1,1-Dichloroethane	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
1,1-Dichloroethene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
1,1-Dichloropropene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
1,2,3-Trichlorobenzene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
1,2,3-Trichloropropane	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
1,2,4-Trichlorobenzene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
1,2,4-Trimethylbenzene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
1,2-Dibromo-3-chloropropane	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
1,2-Dibromoethane	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
1,2-Dichlorobenzene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
1,2-Dichloroethane	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
1,2-Dichloropropane	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
1,3,5-Trimethylbenzene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
1,3-Dichlorobenzene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
1,3-Dichloropropane	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
1,4-Dichlorobenzene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
2,2-Dichloropropane	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
2-Butanone	ND	56.5	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
2-Chlorotoluene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
2-Hexanone	ND	28.3	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
4-Chlorotoluene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
4-Isopropyltoluene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
4-Methyl-2-pentanone	ND	56.5	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Acetone	225	141	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Benzene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T/01
Lab ID: 1204114-010
Client Sample ID: 32nd St-SS01-S-0.0

Collection Date: 4/12/2012 4:45:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
Bromobenzene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Bromochloromethane	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Bromodichloromethane	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Bromoform	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Bromomethane	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Carbon Disulfide	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Carbon tetrachloride	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Chlorobenzene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Chloroethane	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Chloroform	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Chloromethane	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
cis-1,2-Dichloroethene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
cis-1,3-Dichloropropene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Dibromochloromethane	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Dibromomethane	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Dichlorodifluoromethane	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Ethylbenzene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Hexachlorobutadiene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Hexane	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Isopropylbenzene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
m,p-Xylene	ND	28.3	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Methyl tert-butyl ether	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Methylene Chloride	ND	70.7	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Naphthalene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
n-Butylbenzene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
n-Propylbenzene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
o-Xylene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
sec-Butylbenzene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Styrene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
tert-Butylbenzene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Tetrachloroethene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Toluene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
trans-1,2-Dichloroethene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
trans-1,3-Dichloropropene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Trichloroethene	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Trichlorofluoromethane	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Vinyl Chloride	ND	14.1	HT	µg/Kg-dry	1	5/10/2012 5:30:00 PM
Surr: 1,2-Dichloroethane-d4	98.7	71.5-112	HT	%REC	1	5/10/2012 5:30:00 PM
Surr: 4-Bromofluorobenzene	78.3	75.7-122	HT	%REC	1	5/10/2012 5:30:00 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T/01
Lab ID: 1204114-010
Client Sample ID: 32nd St-SS01-S-0.0

Collection Date: 4/12/2012 4:45:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
Surr: Dibromofluoromethane	95.1	64.3-124	HT	%REC	1	5/10/2012 5:30:00 PM
Surr: Toluene-d8	96.8	74.9-120	HT	%REC	1	5/10/2012 5:30:00 PM
PCB'S IN SOIL		SW 8082A				Analyst: jrp
Aroclor 1016	ND	0.437		µg/Kg-dry	1	5/8/2012 10:00:00 AM
Aroclor 1221	ND	0.437		µg/Kg-dry	1	5/8/2012 10:00:00 AM
Aroclor 1232	ND	0.437		µg/Kg-dry	1	5/8/2012 10:00:00 AM
Aroclor 1242	ND	0.437		µg/Kg-dry	1	5/8/2012 10:00:00 AM
Aroclor 1248	ND	0.437		µg/Kg-dry	1	5/8/2012 10:00:00 AM
Aroclor 1254	ND	0.437		µg/Kg-dry	1	5/8/2012 10:00:00 AM
Aroclor 1260	ND	0.437		µg/Kg-dry	1	5/8/2012 10:00:00 AM
Aroclor 1262	ND	0.437		µg/Kg-dry	1	5/8/2012 10:00:00 AM
Aroclor 1268	ND	0.437		µg/Kg-dry	1	5/8/2012 10:00:00 AM
Surr: Decachlorobiphenyl	119	56.5-130		%REC	1	5/8/2012 10:00:00 AM

QC SUMMARY REPORT

WO#: 1204114

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03T/01

TestCode: 6010_S

Sample ID: MBLK-2351		SampType: MBLK		TestCode: 6010_S		Units: mg/Kg		Prep Date: 4/17/2012			RunNo: 3775		
Client ID: PBS		Batch ID: 2351		TestNo: SW6010C		SW3050B		Analysis Date: 4/17/2012			SeqNo: 50621		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	ND	2.00
Barium	ND	1.00
Cadmium	ND	0.100
Chromium	ND	0.500
Lead	ND	2.00
Selenium	ND	2.00
Silver	ND	2.00

Sample ID: LCS-2351		SampType: LCS		TestCode: 6010_S		Units: mg/Kg		Prep Date: 4/17/2012		RunNo: 3775			
Client ID: LCSS		Batch ID: 2351		TestNo: SW6010C		SW3050B		Analysis Date: 4/17/2012		SeqNo: 50622			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	99.9	2.00	100.0	0	99.9	85.1	107
Barium	51.0	1.00	50.00	0	102	85.7	110
Cadmium	4.86	0.100	5.000	0	97.2	87.2	109
Chromium	24.9	0.500	25.00	0	99.5	84	113
Lead	97.3	2.00	100.0	0	97.3	84.9	109
Selenium	98.2	2.00	100.0	0	98.2	88.7	111
Silver	50.1	2.00	50.00	0	100	79.3	109

Sample ID: A1204112-001ADUP		SampType: DUP	TestCode: 6010_S		Units: mg/Kg	Prep Date: 4/17/2012			RunNo: 3775			
Client ID: ZZZZZZ		Batch ID: 2351	TestNo: SW6010C		SW3050B	Analysis Date: 4/17/2012			SeqNo: 50625			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	ND	1.79						0	0	20

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

WO#: 1204114

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T/01

TestCode: 6010_S

Sample ID: A1204112-001ADUP	SampType: DUP	TestCode: 6010_S	Units: mg/Kg	Prep Date: 4/17/2012	RunNo: 3775						
Client ID: ZZZZZZ	Batch ID: 2351	TestNo: SW6010C	SW3050B	Analysis Date: 4/17/2012	SeqNo: 50625						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	58.5	0.893						66.21	12.3	20	
Cadmium	ND	0.089						0	0	20	
Chromium	10.7	0.446						11.46	7.02	20	
Lead	145	1.79						151.3	4.16	20	
Selenium	ND	1.79						0	0	20	
Silver	ND	1.79						0	0	20	

Sample ID: A1204112-001AMS	SampType: MS	TestCode: 6010_S	Units: mg/Kg	Prep Date: 4/17/2012	RunNo: 3775						
Client ID: ZZZZZZ	Batch ID: 2351	TestNo: SW6010C	SW3050B	Analysis Date: 4/17/2012	SeqNo: 50626						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	92.7	1.92	96.15	0	96.4	86.1	109				
Barium	103	0.962	48.08	66.21	76.9	75	125				
Cadmium	4.57	0.096	4.808	0	95.0	86.4	113				
Chromium	32.5	0.481	24.04	11.46	87.5	75	121				
Lead	232	1.92	96.15	151.3	83.7	84.9	109				SMI
Selenium	92.1	1.92	96.15	0	95.8	77.7	116				
Silver	50.4	1.92	48.08	0	105	75	123				

Sample ID: A1204112-001AMSD		SampType: MSD	TestCode: 6010_S		Units: mg/Kg		Prep Date: 4/17/2012			RunNo: 3775		
Client ID: ZZZZZZ		Batch ID: 2351	TestNo: SW6010C		SW3050B		Analysis Date: 4/17/2012			SeqNo: 50627		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		90.3	1.92	96.15	0	93.9	86.1	109	92.70	2.68	20	
Barium		95.4	0.962	48.08	66.21	60.7	75	125	103.2	7.86	20	SMI

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

WO#: 1204114

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03T/01

TestCode: 6010_S

Sample ID: A1204112-001AMSD	SampType: MSD	TestCode: 6010_S	Units: mg/Kg	Prep Date: 4/17/2012	RunNo: 3775						
Client ID: ZZZZZZ	Batch ID: 2351	TestNo: SW6010C	SW3050B	Analysis Date: 4/17/2012	SeqNo: 50627						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	4.48	0.096	4.808	0	93.2	86.4	113	4.567	1.91	20	SMI
Chromium	30.6	0.481	24.04	11.46	79.5	75	121	32.48	6.10	20	
Lead	217	1.92	96.15	151.3	67.8	84.9	109	231.8	6.82	20	
Selenium	90.4	1.92	96.15	0	94.0	77.7	116	92.13	1.86	20	
Silver	49.4	1.92	48.08	0	103	75	123	50.38	1.95	20	

Sample ID: CCV	SampType: CCV	TestCode: 6010_S		Units: mg/Kg	Prep Date:			RunNo: 3775			
Client ID: CCV	Batch ID: 2351	TestNo: SW6010C		SW3050B	Analysis Date: 4/17/2012			SeqNo: 50650			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	102	2.00	100.0	0	102	90	110				
Barium	49.6	1.00	50.00	0	99.1	90	110				
Cadmium	4.89	0.100	5.000	0	97.8	90	110				
Chromium	25.0	0.500	25.00	0	100	90	110				
Lead	99.2	2.00	100.0	0	99.2	90	110				
Selenium	98.9	2.00	100.0	0	98.9	90	110				
Silver	50.9	2.00	50.00	0	102	90	110				

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

QC SUMMARY REPORT

WO#: 1204114

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03T/01

TestCode: 8082LL_S

Sample ID: CCV		SampType: CCV		TestCode: 8082LL_S		Units: µg/Kg		Prep Date:			RunNo: 4131		
Client ID: CCV		Batch ID: 2531		TestNo: SW 8082A		3545_8082LL		Analysis Date: 5/8/2012			SeqNo: 55307		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aroclor 1016/1260 67.3 0.333 66.67 0 101 85 115

Sample ID: MB-2531		SampType: MBLK	TestCode: 8082LL_S		Units: µg/Kg	Prep Date: 5/7/2012				RunNo: 4131		
Client ID: PBS	Batch ID: 2531		TestNo: SW 8082A		3545_8082LL	Analysis Date: 5/8/2012				SeqNo: 55308		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aroclor 1016 ND 0.333
Aroclor 1221 ND 0.333
Aroclor 1232 ND 0.333
Aroclor 1242 ND 0.333
Aroclor 1248 ND 0.333
Aroclor 1254 ND 0.333
Aroclor 1260 ND 0.333
Aroclor 1262 ND 0.333
Aroclor 1268 ND 0.333
Surr: Decachlorobiphenyl 4,410 6,667 66.1 56.5 130

Sample ID: LCS-2531		SampType: LCS		TestCode: 8082LL_S		Units: µg/Kg		Prep Date: 5/7/2012			RunNo: 4131		
Client ID: LCSS		Batch ID: 2531		TestNo: SW 8082A		3545_8082LL		Analysis Date: 5/8/2012			SeqNo: 55309		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aroclor 1016/1260 64.7 0.333 66.67 0 97.0 44.3 137

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

QC SUMMARY REPORT

WO#: 1204114

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03T/01

TestCode: 8082LL_S

Sample ID: 1204114-010AMS	SampType: MS	TestCode: 8082LL_S	Units: µg/Kg-dry	Prep Date: 5/7/2012	RunNo: 4131						
Client ID: 32nd St-SS01-S-0.0	Batch ID: 2531	TestNo: SW 8082A	3545_8082LL	Analysis Date: 5/8/2012	SeqNo: 55310						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aroclor 1016/1260 75.3 0.437 87.55 0 86.0 56.6 123

Sample ID: 1204114-010AMSD	SampType: MSD	TestCode: 8082LL_S	Units: µg/Kg-dry	Prep Date: 5/7/2012	RunNo: 4131						
Client ID: 32nd St-SS01-S-0.0	Batch ID: 2531	TestNo: SW 8082A	3545_8082LL	Analysis Date: 5/8/2012	SeqNo: 55311						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aroclor 1016/1260 58.7 0.437 87.55 0 67.0 56.6 123 57.33 2.28 20

Sample ID: CCV	SampType: CCV	TestCode: 8082LL_S	Units: µg/Kg	Prep Date:	RunNo: 4131						
Client ID: CCV	Batch ID: 2531	TestNo: SW 8082A	3545_8082LL	Analysis Date: 5/8/2012	SeqNo: 55314						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aroclor 1016/1260 66.7 0.333 66.67 0 100 85 115

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

Page 5 of 19

QC SUMMARY REPORT

WO#: 1204114

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03T/01

TestCode: 8260_5035

Sample ID: CCV-2573	SampType: CCV	TestCode: 8260_5035	Units: µg/Kg	Prep Date:	RunNo: 4194						
Client ID: CCV	Batch ID: 2573	TestNo: SW8260B	SW5035A	Analysis Date: 5/10/2012	SeqNo: 56194						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	61.8	10.0	60.00	0	103	80	120				
1,2-Dichloropropane	56.1	10.0	60.00	0	93.5	80	120				
Chloroform	51.7	10.0	60.00	0	86.1	80	120				
Ethylbenzene	57.8	10.0	60.00	0	96.3	80	120				
Toluene	62.4	10.0	60.00	0	104	80	120				
Vinyl Chloride	52.4	10.0	60.00	0	87.3	80	120				

Sample ID: MBLK-2573	SampType: MBLK	TestCode: 8260_5035		Units: µg/Kg	Prep Date:				RunNo: 4194		
Client ID: PBS	Batch ID: 2573	TestNo: SW8260B		SW5035A	Analysis Date: 5/10/2012				SeqNo: 56204		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	10.0									
1,1,1-Trichloroethane	ND	10.0									
1,1,2,2-Tetrachloroethane	ND	10.0									
1,1,2-Trichloroethane	ND	10.0									
1,1-Dichloroethane	ND	10.0									
1,1-Dichloroethene	ND	10.0									
1,1-Dichloropropene	ND	10.0									
1,2,3-Trichlorobenzene	ND	10.0									
1,2,3-Trichloropropane	ND	10.0									
1,2,4-Trichlorobenzene	ND	10.0									
1,2,4-Trimethylbenzene	ND	10.0									
1,2-Dibromo-3-chloropropane	ND	10.0									
1,2-Dibromoethane	ND	10.0									
1,2-Dichlorobenzene	ND	10.0									

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

QC SUMMARY REPORT

WO#: 1204114

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03T/01

TestCode: 8260_5035

Sample ID: MBLK-2573	SampType: MBLK	TestCode: 8260_5035	Units: µg/Kg	Prep Date:	RunNo: 4194						
Client ID: PBS	Batch ID: 2573	TestNo: SW8260B	SW5035A	Analysis Date: 5/10/2012	SeqNo: 56204						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloroethane	ND	10.0									
1,2-Dichloropropane	ND	10.0									
1,3,5-Trimethylbenzene	ND	10.0									
1,3-Dichlorobenzene	ND	10.0									
1,3-Dichloropropane	ND	10.0									
1,4-Dichlorobenzene	ND	10.0									
2,2-Dichloropropane	ND	10.0									
2-Butanone	ND	40.0									
2-Chlorotoluene	ND	10.0									
2-Hexanone	ND	20.0									
4-Chlorotoluene	ND	10.0									
4-Isopropyltoluene	ND	10.0									
4-Methyl-2-pentanone	ND	40.0									
Acetone	ND	100									
Benzene	ND	10.0									
Bromobenzene	ND	10.0									
Bromochloromethane	ND	10.0									
Bromodichloromethane	ND	10.0									
Bromoform	ND	10.0									
Bromomethane	ND	10.0									
Carbon Disulfide	ND	10.0									
Carbon tetrachloride	ND	10.0									
Chlorobenzene	ND	10.0									
Chloroethane	ND	10.0									
Chloroform	ND	10.0									
Chloromethane	ND	10.0									

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

Page 7 of 19

QC SUMMARY REPORT

WO#: 1204114

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03T/01

TestCode: 8260_5035

Sample ID: MBLK-2573	SampType: MBLK	TestCode: 8260_5035	Units: µg/Kg	Prep Date:					RunNo: 4194		
Client ID: PBS	Batch ID: 2573	TestNo: SW8260B	SW5035A	Analysis Date: 5/10/2012					SeqNo: 56204		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,2-Dichloroethene	ND	10.0									
cis-1,3-Dichloropropene	ND	10.0									
Dibromochloromethane	ND	10.0									
Dibromomethane	ND	10.0									
Dichlorodifluoromethane	ND	10.0									
Ethylbenzene	ND	10.0									
Hexachlorobutadiene	ND	10.0									
Hexane	ND	10.0									
Isopropylbenzene	ND	10.0									
m,p-Xylene	ND	20.0									
Methyl tert-butyl ether	ND	10.0									
Methylene Chloride	ND	50.0									
Naphthalene	ND	10.0									
n-Butylbenzene	ND	10.0									
n-Propylbenzene	ND	10.0									
o-Xylene	ND	10.0									
sec-Butylbenzene	ND	10.0									
Styrene	ND	10.0									
tert-Butylbenzene	ND	10.0									
Tetrachloroethene	ND	10.0									
Toluene	ND	10.0									
trans-1,2-Dichloroethene	ND	10.0									
trans-1,3-Dichloropropene	ND	10.0									
Trichloroethene	ND	10.0									
Trichlorofluoromethane	ND	10.0									
Vinyl Chloride	ND	10.0									

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

QC SUMMARY REPORT

WO#: 1204114

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03T/01

TestCode: 8260_5035

Sample ID: MBLK-2573	SampType: MBLK	TestCode: 8260_5035	Units: µg/Kg	Prep Date:	RunNo: 4194						
Client ID: PBS	Batch ID: 2573	TestNo: SW8260B	SW5035A	Analysis Date: 5/10/2012	SeqNo: 56204						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	87.9		100.0		87.9	71.5	112				
Surr: 4-Bromofluorobenzene	81.4		100.0		81.4	75.7	122				
Surr: Dibromofluoromethane	88.3		100.0		88.3	64.3	124				
Surr: Toluene-d8	94.9		100.0		94.9	74.9	120				

Sample ID: LCS-2573	SampType: LCS	TestCode: 8260_5035	Units: µg/Kg	Prep Date: 5/10/2012	RunNo: 4194						
Client ID: LCSS	Batch ID: 2573	TestNo: SW8260B	SW5035A	Analysis Date: 5/10/2012	SeqNo: 56210						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	67.7	10.0	60.00	0	113	82.4	121				
Benzene	65.3	10.0	60.00	0	109	74.3	136				
Chlorobenzene	64.4	10.0	60.00	0	107	85.9	121				
Toluene	65.2	10.0	60.00	0	109	85.1	123				
Trichloroethene	64.0	10.0	60.00	0	107	87.8	119				

Sample ID: LCSD-2573	SampType: LCSD	TestCode: 8260_5035	Units: µg/Kg	Prep Date: 5/10/2012	RunNo: 4194						
Client ID: LCSS02	Batch ID: 2573	TestNo: SW8260B	SW5035A	Analysis Date: 5/10/2012	SeqNo: 56211						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	67.5	10.0	60.00	0	112	82.4	121	67.73	0.399	20	
Benzene	64.5	10.0	60.00	0	107	74.3	136	65.32	1.29	20	
Chlorobenzene	63.3	10.0	60.00	0	106	85.9	121	64.45	1.77	20	
Toluene	64.4	10.0	60.00	0	107	85.1	123	65.22	1.25	20	
Trichloroethene	63.2	10.0	60.00	0	105	87.8	119	63.97	1.27	20	

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

QC SUMMARY REPORT

WO#: 1204114

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03T/01

TestCode: HCID_NW

Sample ID: MB-2342	SampType: MBLK	TestCode: HCID_NW	Units: mg/Kg	Prep Date: 4/16/2012	RunNo: 3750						
Client ID: PBS	Batch ID: 2342	TestNo: NWHCID		Analysis Date: 4/17/2012	SeqNo: 50254						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	20.0									
Mineral Spirits	ND	20.0									
Kerosene	ND	50.0									
Diesel	ND	50.0									
Lube Oil	ND	100									
Surr: BFB	109		100.0		109	50	150				
Surr: o-Terphenyl	101		100.0		101	50	150				

Sample ID: 1204123-006ADUP	SampType: DUP	TestCode: HCID_NW	Units: mg/Kg-dry	Prep Date: 4/16/2012	RunNo: 3750						
Client ID: ZZZZZZ	Batch ID: 2342	TestNo: NWHCID		Analysis Date: 4/17/2012	SeqNo: 50261						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	24.9						0	0	20	
Mineral Spirits	ND	24.9						0	0	20	
Kerosene	ND	62.2						0	0	20	
Diesel	ND	62.2						0	0	20	
Lube Oil	ND	124						0	0	20	

Sample ID: 1204114-010ADUP	SampType: DUP	TestCode: HCID_NW	Units: mg/Kg-dry	Prep Date: 4/16/2012	RunNo: 3750						
Client ID: 32nd St-SS01-S-0.0	Batch ID: 2342	TestNo: NWHCID		Analysis Date: 4/17/2012	SeqNo: 50271						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	26.3						0	0	20	
Mineral Spirits	ND	26.3						0	0	20	
Kerosene	ND	65.7						0	0	20	

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

Page 10 of 19

QC SUMMARY REPORT

WO#: 1204114

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03T/01

TestCode: HCID_NW

Sample ID: 1204114-010ADUP	SampType: DUP	TestCode: HCID_NW	Units: mg/Kg-dry	Prep Date: 4/16/2012	RunNo: 3750						
Client ID: 32nd St-SS01-S-0.0	Batch ID: 2342	TestNo: NWHCID		Analysis Date: 4/17/2012	SeqNo: 50271						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	368	65.7						201.1	58.5	20	R
Lube Oil	1,970	131						1,083	57.9	20	R

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

Page 11 of 19

QC SUMMARY REPORT

WO#: 1204114

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03T/01

TestCode: HG_CTS

Sample ID: 1204114-001AMS	SampType: MS	TestCode: HG_CTS	Units: mg/Kg-dry	Prep Date: 4/18/2012	RunNo: 3780						
Client ID: 32nd St-SS10-S-0.0	Batch ID: 2358	TestNo: SW 7471B	SW 7471B	Analysis Date: 4/18/2012	SeqNo: 50671						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.272	0.0173	0.2597	0.07362	76.3	78.1	125				S

Sample ID: 1204114-001AMSD	SampType: MSD	TestCode: HG_CTS	Units: mg/Kg-dry	Prep Date: 4/18/2012	RunNo: 3780						
Client ID: 32nd St-SS10-S-0.0	Batch ID: 2358	TestNo: SW 7471B	SW 7471B	Analysis Date: 4/18/2012	SeqNo: 50672						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.254	0.0173	0.2597	0.07362	69.6	78.1	125	0.2718	6.58	20	S

Sample ID: MB-2358		SampType: MBLK	TestCode: HG_CTS		Units: mg/Kg		Prep Date: 4/18/2012			RunNo: 3780		
Client ID: PBS		Batch ID: 2358	TestNo: SW 7471B		SW 7471B		Analysis Date: 4/18/2012			SeqNo: 50673		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	ND	0.0167									

Sample ID: LCS-2358	SampType: LCS	TestCode: HG_CTS	Units: mg/Kg	Prep Date: 4/18/2012	RunNo: 3780						
Client ID: LCSS	Batch ID: 2358	TestNo: SW 7471B	SW 7471B	Analysis Date: 4/18/2012	SeqNo: 50674						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.245	0.0167	0.2500	0	98.0	88.2	113				

Sample ID: 1204114-001ADUP		SampType: DUP		TestCode: HG_CTS		Units: mg/Kg-dry		Prep Date: 4/18/2012		RunNo: 3780	
Client ID: 32nd St-SS10-S-0.0		Batch ID: 2358		TestNo: SW 7471B		SW 7471B		Analysis Date: 4/18/2012		SeqNo: 50676	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.0718	0.0173						0.07362	2.48	20	

Qualifiers:	B	Analyte detected in the associated Method Blank	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit	Page 12 of 19
	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits			

QC SUMMARY REPORT

WO#: 1204114

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T/01

TestCode: HG_CTS

Sample ID: CCV		SampType: CCV		TestCode: HG_CTS		Units: mg/Kg		Prep Date:			RunNo: 3780		
Client ID: CCV		Batch ID: 2358		TestNo: SW 7471B		SW 7471B		Analysis Date: 4/18/2012			SeqNo: 50692		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.245	0.0167	0.2500	0	98.2	90	110

Sample ID: CCV	SampType: CCV	TestCode: HG_CTS	Units: mg/Kg	Prep Date:	RunNo: 3780						
Client ID: CCV	Batch ID: 2358	TestNo: SW 7471B	SW 7471B	Analysis Date: 4/18/2012	SeqNo: 50693						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.263	0.0167	0.2500	0	105	90	110

Sample ID: CCV	SampType: CCV	TestCode: HG_CTS	Units: mg/Kg	Prep Date:	RunNo: 3780						
Client ID: CCV	Batch ID: 2358	TestNo: SW 7471B	SW 7471B	Analysis Date: 4/18/2012	SeqNo: 50694						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.261	0.0167	0.2500	0	104	90	110

QC SUMMARY REPORT

WO#: 1204114

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T/01

TestCode: NWTPHDX_S

Sample ID: CCV	SampType: CCV	TestCode: NWTPHDX_S	Units: mg/Kg	Prep Date:	RunNo: 3802						
Client ID: CCV	Batch ID: 2362	TestNo: NWTPH-Dx	SW3545A	Analysis Date: 4/18/2012	SeqNo: 50946						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel	1,340	15.0	1,363	0	98.1	85	115				
Lube Oil	646	50.0	699.3	0	92.4	85	115				

Sample ID: MB-2362		SampType: MBLK		TestCode: NWTPHDX_S		Units: mg/Kg		Prep Date: 4/18/2012		RunNo: 3802			
Client ID: PBS		Batch ID: 2362		TestNo: NWTPH-Dx		SW3545A		Analysis Date: 4/18/2012		SeqNo: 50947			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel	ND	15.0									
Lube Oil	ND	50.0									
Surr: o-Terphenyl	31.1		33.30		93.5	50	150				

Sample ID: LCS-2362	SampType: LCS	TestCode: NWTPHDX_S	Units: mg/Kg	Prep Date: 4/18/2012	RunNo: 3802						
Client ID: LCSS	Batch ID: 2362	TestNo: NWTPH-Dx	SW3545A	Analysis Date: 4/18/2012	SeqNo: 50948						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel	164	15.0	166.5	0	98.3	76.3	125				
Lube Oil	169	50.0	166.5	0	102	69.9	127				

Sample ID: 1204114-007ADUP	SampType: DUP	TestCode: NWTPHDX_S	Units: mg/Kg-dry	Prep Date: 4/18/2012	RunNo: 3802						
Client ID: 32nd St-SS06-S-0.0	Batch ID: 2362	TestNo: NWTPH-Dx	SW3545A	Analysis Date: 4/18/2012	SeqNo: 50952						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel	34.1	16.2						39.24	14.0	20	
Lube Oil	316	53.9						363.3	14.1	20	

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 14 of 19
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

WO#: 1204114

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03T/01

TestCode: NWTPHDX_S

Sample ID: CCV	SampType: CCV	TestCode: NWTPHDX_S	Units: mg/Kg	Prep Date:	RunNo: 3802						
Client ID: CCV	Batch ID: 2362	TestNo: NWTPH-Dx	SW3545A	Analysis Date: 4/18/2012	SeqNo: 50953						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	1,120	15.0	1,022	0	109	85	115				
Lube Oil	502	50.0	524.5	0	95.7	85	115				

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

Page 15 of 19

QC SUMMARY REPORT

WO#: 1204114

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03T/01

TestCode: PAHLL_S

Sample ID: CCV-2525	SampType: CCV	TestCode: PAHLL_S	Units: µg/Kg	Prep Date:				RunNo: 4119			
Client ID: CCV	Batch ID: 2525	TestNo: SW8270D	SW 3545A	Analysis Date: 5/8/2012				SeqNo: 55140			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	55.3	6.67	66.67	0	83.0	80	120				
Acenaphthylene	54.0	6.67	66.67	0	81.0	80	120				
Anthracene	56.7	6.67	66.67	0	85.0	80	120				
Benz(a)anthracene	54.7	6.67	66.67	0	82.0	80	120				
Benzo(a)pyrene	55.3	6.67	66.67	0	83.0	80	120				
Benzo(b)fluoranthene	58.0	6.67	66.67	0	87.0	80	120				
Benzo(g,h,i)perylene	54.7	6.67	66.67	0	82.0	80	120				
Benzo(k)fluoranthene	56.0	6.67	66.67	0	84.0	80	120				
Chrysene	57.3	6.67	66.67	0	86.0	80	120				
Dibenz(a,h)anthracene	56.7	6.67	66.67	0	85.0	80	120				
Fluoranthene	56.0	6.67	66.67	0	84.0	80	120				
Fluorene	61.3	6.67	66.67	0	92.0	80	120				
Indeno(1,2,3-cd)pyrene	54.0	6.67	66.67	0	81.0	80	120				
Naphthalene	55.3	6.67	66.67	0	83.0	80	120				
Phenanthrene	55.3	6.67	66.67	0	83.0	80	120				
Pyrene	54.7	6.67	66.67	0	82.0	80	120				

Sample ID: MB-2525	SampType: MBLK	TestCode: PAHLL_S	Units: µg/Kg	Prep Date: 5/7/2012	RunNo: 4119						
Client ID: PBS	Batch ID: 2525	TestNo: SW8270D	SW 3545A	Analysis Date: 5/8/2012	SeqNo: 55141						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Methylnaphthalene	ND	6.67									
2-Methylnaphthalene	ND	6.67									
Acenaphthene	ND	6.67									
Acenaphthylene	ND	6.67									

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

Page 16 of 19

QC SUMMARY REPORT

WO#: 1204114

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03T/01

TestCode: PAHLL_S

Sample ID: MB-2525	SampType: MBLK	TestCode: PAHLL_S	Units: µg/Kg	Prep Date: 5/7/2012	RunNo: 4119						
Client ID: PBS	Batch ID: 2525	TestNo: SW8270D	SW 3545A	Analysis Date: 5/8/2012	SeqNo: 55141						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Anthracene	ND	6.67									
Benz(a)anthracene	ND	6.67									
Benzo(a)pyrene	ND	6.67									
Benzo(b)fluoranthene	ND	6.67									
Benzo(g,h,i)perylene	ND	6.67									
Benzo(k)fluoranthene	ND	6.67									
Chrysene	ND	6.67									
Dibenz(a,h)anthracene	ND	6.67									
Fluoranthene	ND	6.67									
Fluorene	ND	6.67									
Indeno(1,2,3-cd)pyrene	ND	6.67									
Naphthalene	ND	6.67									
Phenanthrene	ND	6.67									
Pyrene	ND	6.67									
Surr: 2-Fluorobiphenyl	3,860		6,667		57.9	42.6	128				
Surr: Nitrobenzene-d5	4,600		6,667		69.0	21.7	155				
Surr: p-Terphenyl-d14	5,400		6,667		80.9	44.9	155				

Sample ID: LCS-2525	SampType: LCS	TestCode: PAHLL_S	Units: µg/Kg	Prep Date: 5/7/2012	RunNo: 4119						
Client ID: LCSS	Batch ID: 2525	TestNo: SW8270D	SW 3545A	Analysis Date: 5/8/2012	SeqNo: 55263						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	250	6.67	333.3	0	75.0	39.6	107				
Acenaphthylene	272	6.67	333.3	0	81.6	38.9	102				
Anthracene	250	6.67	333.3	0	75.0	43.4	119				

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

QC SUMMARY REPORT

WO#: 1204114

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03T/01

TestCode: PAHLL_S

Sample ID: LCS-2525		SampType: LCS		TestCode: PAHLL_S		Units: µg/Kg		Prep Date: 5/7/2012			RunNo: 4119		
Client ID: LCSS		Batch ID: 2525		TestNo: SW8270D		SW 3545A		Analysis Date: 5/8/2012			SeqNo: 55263		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benz(a)anthracene	267	6.67	333.3	0	80.2	48.4	121				
Benzo(a)pyrene	176	6.67	333.3	0	52.8	37.7	137				
Benzo(b)fluoranthene	297	6.67	333.3	0	89.2	58.6	117				
Benzo(g,h,i)perylene	231	6.67	333.3	0	69.4	49.7	135				
Benzo(k)fluoranthene	329	6.67	333.3	0	98.8	46.1	124				
Chrysene	293	6.67	333.3	0	88.0	57.1	130				
Dibenz(a,h)anthracene	285	6.67	333.3	0	85.4	44.2	124				
Fluoranthene	294	6.67	333.3	0	88.2	53.4	113				
Fluorene	260	6.67	333.3	0	78.0	37.1	114				
Indeno(1,2,3-cd)pyrene	273	6.67	333.3	0	81.8	47.9	121				
Naphthalene	274	6.67	333.3	0	82.2	29.1	109				
Phenanthrene	265	6.67	333.3	0	79.6	48.4	115				
Pyrene	274	6.67	333.3	0	82.2	47.2	134				

Sample ID: 1204178-009AMS	SampType: MS	TestCode: PAHLL_S	Units: µg/Kg-dry	Prep Date: 5/7/2012	RunNo: 4119						
Client ID: ZZZZZZ	Batch ID: 2525	TestNo: SW8270D	SW 3545A	Analysis Date: 5/8/2012	SeqNo: 55264						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	1,080	44.0	440.1	490.3	134	33.7	111				SMIH
Benzo(g,h,i)perylene	361	44.0	440.1	0	82.0	15	128				MIH
Chrysene	392	44.0	440.1	24.65	83.4	37.5	125				MIH
Fluorene	1,990	44.0	440.1	1,381	137	48.6	117				SMIH
Naphthalene	506	44.0	440.1	276.4	52.2	27.7	108				MIH
Phenanthrene	5,130	44.0	440.1	4,232	204	20.2	139				SMCH

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

Page 18 of 19

QC SUMMARY REPORT

WO#: 1204114

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03T/01

TestCode: PAHLL_S

Sample ID: 1204178-009AMSD	SampType: MSD	TestCode: PAHLL_S	Units: µg/Kg-dry	Prep Date: 5/7/2012	RunNo: 4119						
Client ID: ZZZZZZ	Batch ID: 2525	TestNo: SW8270D	SW 3545A	Analysis Date: 5/8/2012	SeqNo: 55265						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	1,270	44.0	440.1	490.3	178	33.7	111	1,078	16.5	20	SMIH
Benzo(g,h,i)perylene	387	44.0	440.1	0	88.0	15	128	360.9	7.06	20	MIH
Chrysene	379	44.0	440.1	24.65	80.4	37.5	125	391.7	3.43	20	MIH
Fluorene	2,100	44.0	440.1	1,381	163	48.6	117	1,985	5.60	20	SMIH
Naphthalene	555	44.0	440.1	276.4	63.2	27.7	108	506.2	9.13	20	MIH
Phenanthrene	5,700	44.0	440.1	4,232	334	20.2	139	5,128	10.6	20	SMCH

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

Page 19 of 19

KEY TO FLAGS

Rev. May 12, 2010

- A This sample contains a Gasoline Range Organic not identified as a specific hydrocarbon product. The result was quantified against gasoline calibration standards
- A1 This sample contains a Diesel Range Organic not identified as a specific hydrocarbon product. The result was quantified against diesel calibration standards.
- A2 This sample contains a Lube Oil Range Organic not identified as a specific hydrocarbon product. The result was quantified against a lube oil calibration standard.
- A3 The result was determined to be Non-Detect based on hydrocarbon pattern recognition. The product was carry-over from another hydrocarbon type.
- A4 The product appears to be aged or degraded diesel.
- B The blank exhibited a positive result great than the reporting limit for this compound.
- CN See Case Narrative.
- D Result is based from a dilution.
- E Result exceeds the calibration range for this compound. The result should be considered as estimate.
- F The positive result for this hydrocarbon is due to single component contamination. The product does not match any hydrocarbon in the fuels library.
- G Result may be biased high due to biogenic interferences. Clean up is recommended.
- H Sample was analyzed outside recommended holding time.
- HT At clients request, samples was analyzed outside of recommended holding time.
- J The result for this analyte is between the MDL and the PQL and should be considered as estimated concentration.
- K Diesel result is biased high due to amount of Oil contained in the sample.
- L Diesel result is biased high due to amount of Gasoline contained in the sample.
- M Oil result is biased high due to amount of Diesel contained in the sample.
- MC Sample concentration is greater than 4x the spiked value, the spiked value is considered insignificant.
- MI Result is outside control limits due to matrix interference.
- MSA Value determined by Method of Standard Addition.
- O Laboratory Control Standard (LCS) exceeded laboratory control limits, but meets CCV criteria. Data meets EPA requirements.
- Q Detection levels elevated due to sample matrix.
- R RPD control limits were exceeded.
- RF Duplicate failed due to result being at or near the method-reporting limit.
- RP Matrix spike values exceed established QC limits; post digestion spike is in control.
- S Recovery is outside control limits.
- SC Closing CCV or LCS exceeded high recovery control limits, but associated samples are non-detect. Data meets EPA requirements.
- * The result for this parameter was greater than the maximum contaminant level of the TCLP regulatory limit.

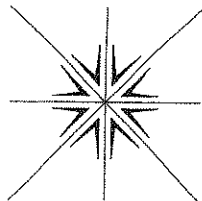
KEY TO FLAGS

Rev. May 12, 2010

- A This sample contains a Gasoline Range Organic not identified as a specific hydrocarbon product. The result was quantified against gasoline calibration standards
- A1 This sample contains a Diesel Range Organic not identified as a specific hydrocarbon product. The result was quantified against diesel calibration standards.
- A2 This sample contains a Lube Oil Range Organic not identified as a specific hydrocarbon product. The result was quantified against a lube oil calibration standard.
- A3 The result was determined to be Non-Detect based on hydrocarbon pattern recognition. The product was carry-over from another hydrocarbon type.
- A4 The product appears to be aged or degraded diesel.
- B The blank exhibited a positive result great than the reporting limit for this compound.
- CN See Case Narrative.
- D Result is based from a dilution.
- E Result exceeds the calibration range for this compound. The result should be considered as estimate.
- F The positive result for this hydrocarbon is due to single component contamination. The product does not match any hydrocarbon in the fuels library.
- G Result may be biased high due to biogenic interferences. Clean up is recommended.
- H Sample was analyzed outside recommended holding time.
- HT At clients request, samples was analyzed outside of recommended holding time.
- J The result for this analyte is between the MDL and the PQL and should be considered as estimated concentration.
- K Diesel result is biased high due to amount of Oil contained in the sample.
- L Diesel result is biased high due to amount of Gasoline contained in the sample.
- M Oil result is biased high due to amount of Diesel contained in the sample.
- MC Sample concentration is greater than 4x the spiked value, the spiked value is considered insignificant.
- MI Result is outside control limits due to matrix interference.
- MSA Value determined by Method of Standard Addition.
- O Laboratory Control Standard (LCS) exceeded laboratory control limits, but meets CCV criteria. Data meets EPA requirements.
- Q Detection levels elevated due to sample matrix.
- R RPD control limits were exceeded.
- RF Duplicate failed due to result being at or near the method-reporting limit.
- RP Matrix spike values exceed established QC limits; post digestion spike is in control.
- S Recovery is outside control limits.
- SC Closing CCV or LCS exceeded high recovery control limits, but associated samples are non-detect. Data meets EPA requirements.
- * The result for this parameter was greater than the maximum contaminant level of the TCLP regulatory limit.

CHAIN OF CUSTODY RECORD

Page 2 of 2



Specialty Analytical

11711 SE Capps Road
Clackamas, OR 97015
Phone: 503-607-1331
Fax: 503-607-1336

Contact Person/Project Manager Christina Johnson
Company MFA
Address 400 East Mill Plain Ste 400
Vancouver, WA 98660
Phone 360-433-0249 Fax 360-906-1958
Project No. 6564.01.03T/01 Project Name 32nd Street
Project Site Location OR WA X Other _____
Invoice To Same P.O. No. _____

Collected By:

Signature _____

Printed Andrew Vidourek

Signature _____

Printed _____

Turn Around Time

☒ Normal 5-7 Business Days

☐ Rush _____

Specify

Rush Analyses Must Be Scheduled With The Lab In Advance

No. of Containers	Analyses										For Laboratory Use	
	NWTPH-HCID	total RECAP methods	DX	PAH	VOC	PCB					Lab Job No.	Air Bill No.
											1204114	Specialty
											Shipped Via	
											Air Bill No.	
											Temperature On Receipt	4 °C
											Specialty Analytical Containers?	Y / N
											Specialty Analytical Trip Blanks?	Y / N
Date	Time	Sample I.D.	Matrix								Comments	Lab I.D.
4/12/12	0930	32ndSt-SS10-S-0.0	S	6	X	X					possible follow up	
4/12/12	1100	32ndSt-SS09-S-0.0	S	6	X	X					for all sample	
4/12/12	1130	32ndSt-SS08-S-0.0	S	6	X	X	⊗				for PAH, PCBs, GAO	
4/12/12	1200	32ndSt-SS07-S-0.0	S	6	X	X					DX	
4/12/12	1400	32ndSt-SS05-S-0.0	S	6	X	X						
4/12/12	1430	32ndSt-SS03-S-0.0	S	6	X	X						
4/12/12	1500	32ndSt-SS06-S-0.0	S	6	X	X	⊗				⊗ Added 4/17/12 NB	
4/12/12	1530	32ndSt-SS02-S-0.0	S	6	X	X						
4/12/12	1600	32ndSt-SS14-S-0.0	S	6	X	X						
4/12/12	1645	32ndSt-SS01-S-0.0	S	6	X	X	⊗	⊗	⊗	⊗		

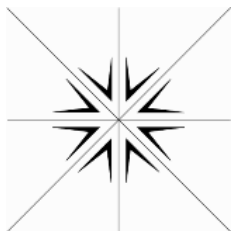
Relinquished By: Andrew Vidourek Date 4/12/12 Time 1815
Company: MFA 5417609692
Received By: Raene Pfeiffer Company: _____
Relinquished By: Raene Pfeiffer Date 4/13/12 Time 1600
Company: STC
Received For Lab By: Cindy Hilliard Date 4/13/12 Time 1400

Unless Reclaimed, Samples Will Be Disposed of 60 Days After Receipt.
Samples held beyond 60 days subject to storage fee(s)

Copies: White-Original

Yellow-Project File

Pink-Customer Copy



Specialty Analytical

11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

May 02, 2012

Christina Johnson
Maul Foster & Alongi
400 E. Mill Plain Blvd.
Suite 400
Vancouver, Washington 98660
TEL: (360) 694-2691
FAX: (360) 906-1958
RE: 32nd Street / 0564.01.03T01

Dear Christina Johnson:

Order No.: 1204123

Specialty Analytical received 6 sample(s) on 4/16/2012 for the analyses presented in the following report.

There were no problems with the analysis and all data for associated QC met EPA or laboratory specifications, except where noted in the Case Narrative, or as qualified with flags. Results apply only to the samples analyzed. Without approval of the laboratory, the reproduction of this report is only permitted in its entirety.

If you have any questions regarding these tests, please feel free to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Marty French". The signature is stylized with a cursive-like flow.

Marty French
Lab Director

Specialty Analytical

Date Reported: 02-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

Lab Order: 1204123

Lab ID: 1204123-001
Client Sample ID: 32ndSt-SS-13-S-0.0

Collection Date: 4/13/2012 1:00:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID		Analyst: kbh		
Gasoline	ND	24.7		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Mineral Spirits	ND	24.7		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Kerosene	ND	61.7		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Diesel	ND	61.7		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Lube Oil	ND	123		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Surr: BFB	110	50-150		%REC	1	4/17/2012 12:22:00 AM
Surr: o-Terphenyl	103	50-150		%REC	1	4/17/2012 12:22:00 AM
RCRA_8		SW6010C		Analyst: CT		
Arsenic	2.77	2.29		mg/Kg-dry	1	4/17/2012 6:20:00 PM
Barium	183	1.14		mg/Kg-dry	1	4/17/2012 6:20:00 PM
Cadmium	ND	0.114		mg/Kg-dry	1	4/17/2012 6:20:00 PM
Chromium	18.5	0.572		mg/Kg-dry	1	4/17/2012 6:20:00 PM
Lead	12.2	2.29		mg/Kg-dry	1	4/17/2012 6:20:00 PM
Selenium	ND	2.29		mg/Kg-dry	1	4/17/2012 6:20:00 PM
Silver	ND	2.29		mg/Kg-dry	1	4/17/2012 6:20:00 PM
RCRA_8		SW 7471B		Analyst: CT		
Mercury	0.0295	0.0193		mg/Kg-dry	1	4/18/2012 1:07:54 PM

Specialty Analytical

Date Reported: 02-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

Lab Order: 1204123

Lab ID: 1204123-002
Client Sample ID: 32ndSt-SS-11-S-0.0

Collection Date: 4/13/2012 1:30:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID		Analyst: kbh		
Gasoline	ND	24.4		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Mineral Spirits	ND	24.4		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Kerosene	ND	61.1		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Diesel	ND	61.1		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Lube Oil	ND	122		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Surr: BFB	111	50-150		%REC	1	4/17/2012 12:22:00 AM
Surr: o-Terphenyl	103	50-150		%REC	1	4/17/2012 12:22:00 AM
RCRA_8		SW6010C		Analyst: CT		
Arsenic	ND	2.22		mg/Kg-dry	1	4/17/2012 6:24:31 PM
Barium	134	1.11		mg/Kg-dry	1	4/17/2012 6:24:31 PM
Cadmium	ND	0.111		mg/Kg-dry	1	4/17/2012 6:24:31 PM
Chromium	15.1	0.555		mg/Kg-dry	1	4/17/2012 6:24:31 PM
Lead	7.89	2.22		mg/Kg-dry	1	4/17/2012 6:24:31 PM
Selenium	ND	2.22		mg/Kg-dry	1	4/17/2012 6:24:31 PM
Silver	ND	2.22		mg/Kg-dry	1	4/17/2012 6:24:31 PM
RCRA_8		SW 7471B		Analyst: CT		
Mercury	0.0208	0.0191		mg/Kg-dry	1	4/18/2012 1:07:54 PM

Specialty Analytical

Date Reported: 02-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

Lab Order: 1204123

Lab ID: 1204123-003
Client Sample ID: 32ndSt-SS-04-S-0.0

Collection Date: 4/13/2012 2:00:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID		Analyst: kbh		
Gasoline	ND	22.0		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Mineral Spirits	ND	22.0		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Kerosene	ND	55.0		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Diesel	ND	55.0		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Lube Oil	ND	110		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Surr: BFB	109	50-150		%REC	1	4/17/2012 12:22:00 AM
Surr: o-Terphenyl	102	50-150		%REC	1	4/17/2012 12:22:00 AM
RCRA_8		SW6010C		Analyst: CT		
Arsenic	ND	2.04		mg/Kg-dry	1	4/17/2012 6:29:01 PM
Barium	98.5	1.02		mg/Kg-dry	1	4/17/2012 6:29:01 PM
Cadmium	ND	0.102		mg/Kg-dry	1	4/17/2012 6:29:01 PM
Chromium	7.95	0.509		mg/Kg-dry	1	4/17/2012 6:29:01 PM
Lead	ND	2.04		mg/Kg-dry	1	4/17/2012 6:29:01 PM
Selenium	ND	2.04		mg/Kg-dry	1	4/17/2012 6:29:01 PM
Silver	2.28	2.04		mg/Kg-dry	1	4/17/2012 6:29:01 PM
RCRA_8		SW 7471B		Analyst: CT		
Mercury	ND	0.0145		mg/Kg-dry	1	4/18/2012 1:07:54 PM

Specialty Analytical

Date Reported: 02-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

Lab Order: 1204123

Lab ID: 1204123-004
Client Sample ID: 32ndSt-SS-15-S-0.0

Collection Date: 4/13/2012 2:30:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID		Analyst: kbh		
Gasoline	ND	24.8		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Mineral Spirits	ND	24.8		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Kerosene	ND	62.0		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Diesel	ND	62.0		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Lube Oil	ND	124		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Surr: BFB	110	50-150		%REC	1	4/17/2012 12:22:00 AM
Surr: o-Terphenyl	102	50-150		%REC	1	4/17/2012 12:22:00 AM
RCRA_8		SW6010C		Analyst: CT		
Arsenic	2.72	2.18		mg/Kg-dry	1	4/17/2012 6:33:45 PM
Barium	173	1.09		mg/Kg-dry	1	4/17/2012 6:33:45 PM
Cadmium	ND	0.109		mg/Kg-dry	1	4/17/2012 6:33:45 PM
Chromium	17.2	0.544		mg/Kg-dry	1	4/17/2012 6:33:45 PM
Lead	7.48	2.18		mg/Kg-dry	1	4/17/2012 6:33:45 PM
Selenium	ND	2.18		mg/Kg-dry	1	4/17/2012 6:33:45 PM
Silver	ND	2.18		mg/Kg-dry	1	4/17/2012 6:33:45 PM
RCRA_8		SW 7471B		Analyst: CT		
Mercury	0.0288	0.0173		mg/Kg-dry	1	4/18/2012 1:07:54 PM

Specialty Analytical

Date Reported: 02-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

Lab Order: 1204123

Lab ID: 1204123-005
Client Sample ID: 32ndSt-SS-12-S-0.0

Collection Date: 4/13/2012 3:00:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID		Analyst: kbh		
Gasoline	ND	23.2		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Mineral Spirits	ND	23.2		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Kerosene	ND	57.9		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Diesel	ND	57.9		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Lube Oil	ND	116		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Surr: BFB	109	50-150		%REC	1	4/17/2012 12:22:00 AM
Surr: o-Terphenyl	102	50-150		%REC	1	4/17/2012 12:22:00 AM
RCRA_8		SW6010C		Analyst: CT		
Arsenic	ND	2.27		mg/Kg-dry	1	4/17/2012 6:38:15 PM
Barium	111	1.14		mg/Kg-dry	1	4/17/2012 6:38:15 PM
Cadmium	ND	0.114		mg/Kg-dry	1	4/17/2012 6:38:15 PM
Chromium	7.41	0.568		mg/Kg-dry	1	4/17/2012 6:38:15 PM
Lead	5.27	2.27		mg/Kg-dry	1	4/17/2012 6:38:15 PM
Selenium	ND	2.27		mg/Kg-dry	1	4/17/2012 6:38:15 PM
Silver	ND	2.27		mg/Kg-dry	1	4/17/2012 6:38:15 PM
RCRA_8		SW 7471B		Analyst: CT		
Mercury	ND	0.0171		mg/Kg-dry	1	4/18/2012 1:07:54 PM

Specialty Analytical

Date Reported: 02-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

Lab Order: 1204123

Lab ID: 1204123-006
Client Sample ID: 32ndSt-SS-16-S-0.0

Collection Date: 4/13/2012 3:30:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID		Analyst: kbh		
Gasoline	ND	24.9		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Mineral Spirits	ND	24.9		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Kerosene	ND	62.2		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Diesel	ND	62.2		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Lube Oil	ND	124		mg/Kg-dry	1	4/17/2012 12:22:00 AM
Surr: BFB	109	50-150		%REC	1	4/17/2012 12:22:00 AM
Surr: o-Terphenyl	103	50-150		%REC	1	4/17/2012 12:22:00 AM
RCRA_8		SW6010C		Analyst: CT		
Arsenic	ND	2.26		mg/Kg-dry	1	4/17/2012 6:42:46 PM
Barium	124	1.13		mg/Kg-dry	1	4/17/2012 6:42:46 PM
Cadmium	ND	0.113		mg/Kg-dry	1	4/17/2012 6:42:46 PM
Chromium	15.3	0.566		mg/Kg-dry	1	4/17/2012 6:42:46 PM
Lead	14.0	2.26		mg/Kg-dry	1	4/17/2012 6:42:46 PM
Selenium	ND	2.26		mg/Kg-dry	1	4/17/2012 6:42:46 PM
Silver	ND	2.26		mg/Kg-dry	1	4/17/2012 6:42:46 PM
RCRA_8		SW 7471B		Analyst: CT		
Mercury	0.0376	0.0164		mg/Kg-dry	1	4/18/2012 1:07:54 PM

QC SUMMARY REPORT

WO#: 1204123

02-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: 6010_S

Sample ID: MBLK-2351		SampType: MBLK		TestCode: 6010_S		Units: mg/Kg		Prep Date: 4/17/2012			RunNo: 3775		
Client ID: PBS		Batch ID: 2351		TestNo: SW6010C		SW3050B		Analysis Date: 4/17/2012			SeqNo: 50621		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	ND	2.00									
Barium	ND	1.00									
Cadmium	ND	0.100									
Chromium	ND	0.500									
Lead	ND	2.00									
Selenium	ND	2.00									
Silver	ND	2.00									

Sample ID: LCS-2351		SampType: LCS		TestCode: 6010_S		Units: mg/Kg		Prep Date: 4/17/2012			RunNo: 3775		
Client ID: LCSS		Batch ID: 2351		TestNo: SW6010C		SW3050B		Analysis Date: 4/17/2012			SeqNo: 50622		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	99.9	2.00	100.0	0	99.9	85.1	107				
Barium	51.0	1.00	50.00	0	102	85.7	110				
Cadmium	4.86	0.100	5.000	0	97.2	87.2	109				
Chromium	24.9	0.500	25.00	0	99.5	84	113				
Lead	97.3	2.00	100.0	0	97.3	84.9	109				
Selenium	98.2	2.00	100.0	0	98.2	88.7	111				
Silver	50.1	2.00	50.00	0	100	79.3	109				

Sample ID: A1204112-001ADUP		SampType: DUP		TestCode: 6010_S		Units: mg/Kg		Prep Date: 4/17/2012			RunNo: 3775		
Client ID: ZZZZZZ		Batch ID: 2351		TestNo: SW6010C		SW3050B		Analysis Date: 4/17/2012			SeqNo: 50625		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	ND	1.79						0	0	20	

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

WO#: 1204123

02-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: 6010_S

Sample ID: A1204112-001ADUP	SampType: DUP	TestCode: 6010_S	Units: mg/Kg	Prep Date: 4/17/2012	RunNo: 3775						
Client ID: ZZZZZZ	Batch ID: 2351	TestNo: SW6010C	SW3050B	Analysis Date: 4/17/2012	SeqNo: 50625						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	58.5	0.893						66.21	12.3	20	
Cadmium	ND	0.089						0	0	20	
Chromium	10.7	0.446						11.46	7.02	20	
Lead	145	1.79						151.3	4.16	20	
Selenium	ND	1.79						0	0	20	
Silver	ND	1.79						0	0	20	

Sample ID: A1204112-001AMS	SampType: MS	TestCode: 6010_S	Units: mg/Kg	Prep Date: 4/17/2012	RunNo: 3775						
Client ID: ZZZZZZ	Batch ID: 2351	TestNo: SW6010C	SW3050B	Analysis Date: 4/17/2012	SeqNo: 50626						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	92.7	1.92	96.15	0	96.4	86.1	109				
Barium	103	0.962	48.08	66.21	76.9	75	125				
Cadmium	4.57	0.096	4.808	0	95.0	86.4	113				
Chromium	32.5	0.481	24.04	11.46	87.5	75	121				
Lead	232	1.92	96.15	151.3	83.7	84.9	109				SMI
Selenium	92.1	1.92	96.15	0	95.8	77.7	116				
Silver	50.4	1.92	48.08	0	105	75	123				

Sample ID: A1204112-001AMSD		SampType: MSD		TestCode: 6010_S		Units: mg/Kg		Prep Date: 4/17/2012		RunNo: 3775		
Client ID: ZZZZZZ		Batch ID: 2351		TestNo: SW6010C		SW3050B		Analysis Date: 4/17/2012		SeqNo: 50627		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic		90.3	1.92	96.15	0	93.9	86.1	109	92.70	2.68	20	
Barium		95.4	0.962	48.08	66.21	60.7	75	125	103.2	7.86	20	SMI

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

WO#: 1204123

02-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: 6010_S

Sample ID: A1204112-001AMSD	SampType: MSD	TestCode: 6010_S		Units: mg/Kg	Prep Date: 4/17/2012				RunNo: 3775		
Client ID: ZZZZZZ	Batch ID: 2351	TestNo: SW6010C		SW3050B	Analysis Date: 4/17/2012				SeqNo: 50627		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	4.48	0.096	4.808	0	93.2	86.4	113	4.567	1.91	20	SMI
Chromium	30.6	0.481	24.04	11.46	79.5	75	121	32.48	6.10	20	
Lead	217	1.92	96.15	151.3	67.8	84.9	109	231.8	6.82	20	
Selenium	90.4	1.92	96.15	0	94.0	77.7	116	92.13	1.86	20	
Silver	49.4	1.92	48.08	0	103	75	123	50.38	1.95	20	

Sample ID: CCV	SampType: CCV	TestCode: 6010_S		Units: mg/Kg	Prep Date:			RunNo: 3775			
Client ID: CCV	Batch ID: 2351	TestNo: SW6010C		SW3050B	Analysis Date: 4/17/2012			SeqNo: 50650			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	102	2.00	100.0	0	102	90	110				
Barium	49.6	1.00	50.00	0	99.1	90	110				
Cadmium	4.89	0.100	5.000	0	97.8	90	110				
Chromium	25.0	0.500	25.00	0	100	90	110				
Lead	99.2	2.00	100.0	0	99.2	90	110				
Selenium	98.9	2.00	100.0	0	98.9	90	110				
Silver	50.9	2.00	50.00	0	102	90	110				

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

QC SUMMARY REPORT

WO#: 1204123

02-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: HCID_NW

Sample ID: MB-2342	SampType: MBLK	TestCode: HCID_NW	Units: mg/Kg	Prep Date: 4/16/2012	RunNo: 3750						
Client ID: PBS	Batch ID: 2342	TestNo: NWHCID		Analysis Date: 4/17/2012	SeqNo: 50254						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	20.0									
Mineral Spirits	ND	20.0									
Kerosene	ND	50.0									
Diesel	ND	50.0									
Lube Oil	ND	100									
Surr: BFB	109		100.0		109	50	150				
Surr: o-Terphenyl	101		100.0		101	50	150				

Sample ID: 1204123-006ADUP	SampType: DUP	TestCode: HCID_NW	Units: mg/Kg-dry	Prep Date: 4/16/2012	RunNo: 3750						
Client ID: 32ndSt-SS-16-S-0.0	Batch ID: 2342	TestNo: NWHCID		Analysis Date: 4/17/2012	SeqNo: 50261						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	24.9						0	0	20	
Mineral Spirits	ND	24.9						0	0	20	
Kerosene	ND	62.2						0	0	20	
Diesel	ND	62.2						0	0	20	
Lube Oil	ND	124						0	0	20	

Sample ID: 1204114-010ADUP	SampType: DUP	TestCode: HCID_NW	Units: mg/Kg-dry	Prep Date: 4/16/2012	RunNo: 3750						
Client ID: ZZZZZZ	Batch ID: 2342	TestNo: NWHCID		Analysis Date: 4/17/2012	SeqNo: 50271						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	26.3						0	0	20	
Mineral Spirits	ND	26.3						0	0	20	
Kerosene	ND	65.7						0	0	20	

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

WO#: 1204123

02-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: HCID_NW

Sample ID: 1204114-010ADUP	SampType: DUP	TestCode: HCID_NW	Units: mg/Kg-dry	Prep Date: 4/16/2012	RunNo: 3750						
Client ID: ZZZZZZ	Batch ID: 2342	TestNo: NWHCID		Analysis Date: 4/17/2012	SeqNo: 50271						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	368	65.7						201.1	58.5	20	R
Lube Oil	1,970	131						1,083	57.9	20	R

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

WO#: 1204123

02-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: HG_CTS

Sample ID: 1204114-001AMS	SampType: MS	TestCode: HG_CTS	Units: mg/Kg-dry	Prep Date: 4/18/2012	RunNo: 3780						
Client ID: ZZZZZZ	Batch ID: 2358	TestNo: SW 7471B	SW 7471B	Analysis Date: 4/18/2012	SeqNo: 50671						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.272	0.0173	0.2597	0.07362	76.3	78.1	125				S

Sample ID: 1204114-001AMSD	SampType: MSD	TestCode: HG_CTS	Units: mg/Kg-dry	Prep Date: 4/18/2012	RunNo: 3780						
Client ID: ZZZZZZ	Batch ID: 2358	TestNo: SW 7471B	SW 7471B	Analysis Date: 4/18/2012	SeqNo: 50672						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.254	0.0173	0.2597	0.07362	69.6	78.1	125	0.2718	6.58	20	S

Sample ID: MB-2358		SampType: MBLK		TestCode: HG_CTS		Units: mg/Kg		Prep Date: 4/18/2012		RunNo: 3780			
Client ID: PBS		Batch ID: 2358		TestNo: SW 7471B		SW 7471B		Analysis Date: 4/18/2012		SeqNo: 50673			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	ND	0.0167									

Sample ID: LCS-2358	SampType: LCS	TestCode: HG_CTS	Units: mg/Kg	Prep Date: 4/18/2012	RunNo: 3780						
Client ID: LCSS	Batch ID: 2358	TestNo: SW 7471B	SW 7471B	Analysis Date: 4/18/2012	SeqNo: 50674						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.245	0.0167	0.2500	0	98.0	88.2	113				

Sample ID: 1204114-001ADUP	SampType: DUP	TestCode: HG_CTS	Units: mg/Kg-dry	Prep Date: 4/18/2012	RunNo: 3780						
Client ID: ZZZZZZ	Batch ID: 2358	TestNo: SW 7471B	SW 7471B	Analysis Date: 4/18/2012	SeqNo: 50676						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.0718	0.0173						0.07362	2.48	20	

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

WO#: 1204123

02-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: HG_CTS

Sample ID: CCV		SampType: CCV		TestCode: HG_CTS		Units: mg/Kg		Prep Date:			RunNo: 3780		
Client ID: CCV		Batch ID: 2358		TestNo: SW 7471B		SW 7471B		Analysis Date: 4/18/2012			SeqNo: 50692		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.245	0.0167	0.2500	0	98.2	90	110

Sample ID: CCV	SampType: CCV	TestCode: HG_CTS	Units: mg/Kg	Prep Date:	RunNo: 3780						
Client ID: CCV	Batch ID: 2358	TestNo: SW 7471B	SW 7471B	Analysis Date: 4/18/2012	SeqNo: 50693						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.263	0.0167	0.2500	0	105	90	110

Sample ID: CCV	SampType: CCV	TestCode: HG_CTS	Units: mg/Kg	Prep Date:				RunNo: 3780			
Client ID: CCV	Batch ID: 2358	TestNo: SW 7471B	SW 7471B	Analysis Date: 4/18/2012				SeqNo: 50694			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.261	0.0167	0.2500	0	104	90	110

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

KEY TO FLAGS

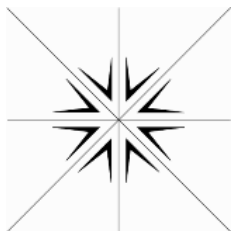
Rev. May 12, 2010

- A This sample contains a Gasoline Range Organic not identified as a specific hydrocarbon product. The result was quantified against gasoline calibration standards
- A1 This sample contains a Diesel Range Organic not identified as a specific hydrocarbon product. The result was quantified against diesel calibration standards.
- A2 This sample contains a Lube Oil Range Organic not identified as a specific hydrocarbon product. The result was quantified against a lube oil calibration standard.
- A3 The result was determined to be Non-Detect based on hydrocarbon pattern recognition. The product was carry-over from another hydrocarbon type.
- A4 The product appears to be aged or degraded diesel.
- B The blank exhibited a positive result great than the reporting limit for this compound.
- CN See Case Narrative.
- D Result is based from a dilution.
- E Result exceeds the calibration range for this compound. The result should be considered as estimate.
- F The positive result for this hydrocarbon is due to single component contamination. The product does not match any hydrocarbon in the fuels library.
- G Result may be biased high due to biogenic interferences. Clean up is recommended.
- H Sample was analyzed outside recommended holding time.
- HT At clients request, samples was analyzed outside of recommended holding time.
- J The result for this analyte is between the MDL and the PQL and should be considered as estimated concentration.
- K Diesel result is biased high due to amount of Oil contained in the sample.
- L Diesel result is biased high due to amount of Gasoline contained in the sample.
- M Oil result is biased high due to amount of Diesel contained in the sample.
- MC Sample concentration is greater than 4x the spiked value, the spiked value is considered insignificant.
- MI Result is outside control limits due to matrix interference.
- MSA Value determined by Method of Standard Addition.
- O Laboratory Control Standard (LCS) exceeded laboratory control limits, but meets CCV criteria. Data meets EPA requirements.
- Q Detection levels elevated due to sample matrix.
- R RPD control limits were exceeded.
- RF Duplicate failed due to result being at or near the method-reporting limit.
- RP Matrix spike values exceed established QC limits; post digestion spike is in control.
- S Recovery is outside control limits.
- SC Closing CCV or LCS exceeded high recovery control limits, but associated samples are non-detect. Data meets EPA requirements.
- * The result for this parameter was greater than the maximum contaminant level of the TCLP regulatory limit.

11711 SE Capps Road
Clackamas, OR 97015
Phone: 503-607-1331
Fax: 503-607-1336

Contact Person/Project Manager Christina Johnson
Company WFA
Address 400 East Mill Plain suite 400
Vancouver, WA 98660
Phone 360.433.0249 Fax 360.906.1119
Project No. 05640103T01 Project Name 32nd Street
Project Site Location OR WA Other _____
Invoice To Same P.O. No. _____

[illegible]



Specialty Analytical

11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

May 16, 2012

Christina Johnson
Maul Foster & Alongi
400 E. Mill Plain Blvd.
Suite 400
Vancouver, Washington 98660
TEL: (360) 694-2691
FAX: (360) 906-1958
RE: 32nd Street / 0564.01.03T01

Dear Christina Johnson:

Order No.: 1204178

Specialty Analytical received 10 sample(s) on 4/19/2012 for the analyses presented in the following report.

There were no problems with the analysis and all data for associated QC met EPA or laboratory specifications, except where noted in the Case Narrative, or as qualified with flags. Results apply only to the samples analyzed. Without approval of the laboratory, the reproduction of this report is only permitted in its entirety.

If you have any questions regarding these tests, please feel free to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Marty French", written in a cursive style.

Marty French
Lab Director

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01
Lab ID: 1204178-001
Client Sample ID: GP11-S-1.0

Collection Date: 4/18/2012 12:00:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID				Analyst: kbh
Gasoline	ND	25.1		mg/Kg-dry	1	4/20/2012
Mineral Spirits	ND	25.1		mg/Kg-dry	1	4/20/2012
Kerosene	ND	62.8		mg/Kg-dry	1	4/20/2012
Diesel	ND	62.8		mg/Kg-dry	1	4/20/2012
Lube Oil	ND	126		mg/Kg-dry	1	4/20/2012
Surr: BFB	102	50-150		%REC	1	4/20/2012
Surr: o-Terphenyl	103	50-150		%REC	1	4/20/2012
RCRA_8		SW6010C				Analyst: CT
Arsenic	ND	2.42		mg/Kg-dry	1	4/20/2012 4:43:58 PM
Barium	274	1.21		mg/Kg-dry	1	4/20/2012 4:43:58 PM
Cadmium	ND	0.121		mg/Kg-dry	1	4/20/2012 4:43:58 PM
Chromium	22.2	0.604		mg/Kg-dry	1	4/20/2012 4:43:58 PM
Lead	9.68	2.42		mg/Kg-dry	1	4/20/2012 4:43:58 PM
Selenium	ND	2.42		mg/Kg-dry	1	4/20/2012 4:43:58 PM
Silver	3.12	2.42		mg/Kg-dry	1	4/20/2012 4:43:58 PM
RCRA_8		SW 7471B				Analyst: CT
Mercury	0.0223	0.0210		mg/Kg-dry	1	4/23/2012

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01
Lab ID: 1204178-002
Client Sample ID: GP02-S-7.5

Collection Date: 4/18/2012 11:30:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID				Analyst: kbh
Gasoline	ND	27.2		mg/Kg-dry	1	4/20/2012
Mineral Spirits	ND	27.2		mg/Kg-dry	1	4/20/2012
Kerosene	ND	68.1		mg/Kg-dry	1	4/20/2012
Diesel	ND	68.1		mg/Kg-dry	1	4/20/2012
Lube Oil	ND	136		mg/Kg-dry	1	4/20/2012
Surr: BFB	97.7	50-150		%REC	1	4/20/2012
Surr: o-Terphenyl	100	50-150		%REC	1	4/20/2012
RCRA_8		SW6010C				Analyst: CT
Arsenic	ND	2.62		mg/Kg-dry	1	4/20/2012 7:01:11 PM
Barium	319	1.31		mg/Kg-dry	1	4/20/2012 7:01:11 PM
Cadmium	ND	0.131		mg/Kg-dry	1	4/20/2012 7:01:11 PM
Chromium	28.0	0.655		mg/Kg-dry	1	4/20/2012 7:01:11 PM
Lead	4.19	2.62		mg/Kg-dry	1	4/20/2012 7:01:11 PM
Selenium	ND	2.62		mg/Kg-dry	1	4/20/2012 7:01:11 PM
Silver	ND	2.62		mg/Kg-dry	1	4/20/2012 7:01:11 PM
RCRA_8		SW 7471B				Analyst: CT
Mercury	ND	0.0227		mg/Kg-dry	1	4/23/2012

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01
Lab ID: 1204178-003
Client Sample ID: GP02-S-0.0

Collection Date: 4/18/2012 11:30:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID				Analyst: kbh
Gasoline	ND	25.5		mg/Kg-dry	1	4/20/2012
Mineral Spirits	ND	25.5		mg/Kg-dry	1	4/20/2012
Kerosene	ND	63.7		mg/Kg-dry	1	4/20/2012
Diesel	ND	63.7		mg/Kg-dry	1	4/20/2012
Lube Oil	ND	127		mg/Kg-dry	1	4/20/2012
Surr: BFB	95.1	50-150		%REC	1	4/20/2012
Surr: o-Terphenyl	98.2	50-150		%REC	1	4/20/2012
RCRA_8		SW6010C				Analyst: CT
Arsenic	ND	2.45		mg/Kg-dry	1	4/20/2012 7:05:57 PM
Barium	309	1.23		mg/Kg-dry	1	4/20/2012 7:05:57 PM
Cadmium	ND	0.123		mg/Kg-dry	1	4/20/2012 7:05:57 PM
Chromium	22.3	0.613		mg/Kg-dry	1	4/20/2012 7:05:57 PM
Lead	5.33	2.45		mg/Kg-dry	1	4/20/2012 7:05:57 PM
Selenium	ND	2.45		mg/Kg-dry	1	4/20/2012 7:05:57 PM
Silver	ND	2.45		mg/Kg-dry	1	4/20/2012 7:05:57 PM
RCRA_8		SW 7471B				Analyst: CT
Mercury	0.0215	0.0213		mg/Kg-dry	1	4/23/2012

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01
Lab ID: 1204178-004
Client Sample ID: GP11-S-7.5

Collection Date: 4/18/2012 12:20:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID				Analyst: kbh
Gasoline	ND	26.9		mg/Kg-dry	1	4/20/2012
Mineral Spirits	ND	26.9		mg/Kg-dry	1	4/20/2012
Kerosene	ND	67.4		mg/Kg-dry	1	4/20/2012
Diesel	ND	67.4		mg/Kg-dry	1	4/20/2012
Lube Oil	ND	135		mg/Kg-dry	1	4/20/2012
Surr: BFB	102	50-150		%REC	1	4/20/2012
Surr: o-Terphenyl	102	50-150		%REC	1	4/20/2012
RCRA_8		SW6010C				Analyst: CT
Arsenic	ND	2.59		mg/Kg-dry	1	4/20/2012 7:10:29 PM
Barium	355	1.30		mg/Kg-dry	1	4/20/2012 7:10:29 PM
Cadmium	ND	0.130		mg/Kg-dry	1	4/20/2012 7:10:29 PM
Chromium	24.6	0.648		mg/Kg-dry	1	4/20/2012 7:10:29 PM
Lead	3.77	2.59		mg/Kg-dry	1	4/20/2012 7:10:29 PM
Selenium	ND	2.59		mg/Kg-dry	1	4/20/2012 7:10:29 PM
Silver	ND	2.59		mg/Kg-dry	1	4/20/2012 7:10:29 PM
RCRA_8		SW 7471B				Analyst: CT
Mercury	0.0232	0.0225		mg/Kg-dry	1	4/23/2012

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01
Lab ID: 1204178-005
Client Sample ID: GP01-S-0.0

Collection Date: 4/18/2012 9:40:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID				Analyst: kbh
Gasoline	ND	23.0		mg/Kg-dry	1	4/20/2012
Mineral Spirits	ND	23.0		mg/Kg-dry	1	4/20/2012
Kerosene	ND	57.6		mg/Kg-dry	1	4/20/2012
Diesel	DIESEL	57.6		mg/Kg-dry	1	4/20/2012
Lube Oil	ND	115		mg/Kg-dry	1	4/20/2012
Surr: BFB	102	50-150		%REC	1	4/20/2012
Surr: o-Terphenyl	116	50-150		%REC	1	4/20/2012
NWTPH-DX		NWTPH-DX				Analyst: kbh
Diesel	79.5	17.3		mg/Kg-dry	1	4/25/2012 3:40:00 PM
Lube Oil	ND	57.6		mg/Kg-dry	1	4/25/2012 3:40:00 PM
Surr: o-Terphenyl	99.5	50-150		%REC	1	4/25/2012 3:40:00 PM
RCRA_8		SW6010C				Analyst: CT
Arsenic	ND	2.13		mg/Kg-dry	1	4/20/2012 7:15:14 PM
Barium	126	1.07		mg/Kg-dry	1	4/20/2012 7:15:14 PM
Cadmium	ND	0.107		mg/Kg-dry	1	4/20/2012 7:15:14 PM
Chromium	9.42	0.533		mg/Kg-dry	1	4/20/2012 7:15:14 PM
Lead	2.98	2.13		mg/Kg-dry	1	4/20/2012 7:15:14 PM
Selenium	ND	2.13		mg/Kg-dry	1	4/20/2012 7:15:14 PM
Silver	ND	2.13		mg/Kg-dry	1	4/20/2012 7:15:14 PM
RCRA_8		SW 7471B				Analyst: CT
Mercury	ND	0.0170		mg/Kg-dry	1	4/23/2012
PAH'S BY GC/MS - LOW LEVEL		SW8270D				Analyst: bda
1-Methylnaphthalene	ND	7.69		µg/Kg-dry	1	4/25/2012 2:59:00 PM
2-Methylnaphthalene	ND	7.69		µg/Kg-dry	1	4/25/2012 2:59:00 PM
Acenaphthene	ND	7.69		µg/Kg-dry	1	4/25/2012 2:59:00 PM
Acenaphthylene	ND	7.69		µg/Kg-dry	1	4/25/2012 2:59:00 PM
Anthracene	ND	7.69		µg/Kg-dry	1	4/25/2012 2:59:00 PM
Benz(a)anthracene	ND	7.69		µg/Kg-dry	1	4/25/2012 2:59:00 PM
Benzo(a)pyrene	ND	7.69		µg/Kg-dry	1	4/25/2012 2:59:00 PM
Benzo(b)fluoranthene	ND	7.69		µg/Kg-dry	1	4/25/2012 2:59:00 PM
Benzo(g,h,i)perylene	ND	7.69		µg/Kg-dry	1	4/25/2012 2:59:00 PM
Benzo(k)fluoranthene	ND	7.69		µg/Kg-dry	1	4/25/2012 2:59:00 PM
Chrysene	ND	7.69		µg/Kg-dry	1	4/25/2012 2:59:00 PM
Dibenz(a,h)anthracene	ND	7.69		µg/Kg-dry	1	4/25/2012 2:59:00 PM
Fluoranthene	ND	7.69		µg/Kg-dry	1	4/25/2012 2:59:00 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01
Lab ID: 1204178-005
Client Sample ID: GP01-S-0.0

Collection Date: 4/18/2012 9:40:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PAH'S BY GC/MS - LOW LEVEL		SW8270D				Analyst: bda
Fluorene	ND	7.69		µg/Kg-dry	1	4/25/2012 2:59:00 PM
Indeno(1,2,3-cd)pyrene	ND	7.69		µg/Kg-dry	1	4/25/2012 2:59:00 PM
Naphthalene	ND	7.69		µg/Kg-dry	1	4/25/2012 2:59:00 PM
Phenanthrene	16.1	7.69		µg/Kg-dry	1	4/25/2012 2:59:00 PM
Pyrene	ND	7.69		µg/Kg-dry	1	4/25/2012 2:59:00 PM
Surr: 2-Fluorobiphenyl	74.9	42.6-128		%REC	1	4/25/2012 2:59:00 PM
Surr: Nitrobenzene-d5	75.3	21.7-155		%REC	1	4/25/2012 2:59:00 PM
Surr: p-Terphenyl-d14	99.8	44.9-155		%REC	1	4/25/2012 2:59:00 PM
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
1,1,1,2-Tetrachloroethane	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
1,1,1-Trichloroethane	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
1,1,2,2-Tetrachloroethane	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
1,1,2-Trichloroethane	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
1,1-Dichloroethane	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
1,1-Dichloroethene	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
1,1-Dichloropropene	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
1,2,3-Trichlorobenzene	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
1,2,3-Trichloropropane	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
1,2,4-Trichlorobenzene	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
1,2,4-Trimethylbenzene	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
1,2-Dibromo-3-chloropropane	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
1,2-Dibromoethane	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
1,2-Dichlorobenzene	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
1,2-Dichloroethane	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
1,2-Dichloropropane	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
1,3,5-Trimethylbenzene	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
1,3-Dichlorobenzene	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
1,3-Dichloropropane	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
1,4-Dichlorobenzene	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
2,2-Dichloropropane	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
2-Butanone	ND	41.9		µg/Kg-dry	1	4/26/2012 11:08:00 AM
2-Chlorotoluene	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
2-Hexanone	ND	21.0		µg/Kg-dry	1	4/26/2012 11:08:00 AM
4-Chlorotoluene	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
4-Isopropyltoluene	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
4-Methyl-2-pentanone	ND	41.9		µg/Kg-dry	1	4/26/2012 11:08:00 AM
Acetone	ND	105		µg/Kg-dry	1	4/26/2012 11:08:00 AM
Benzene	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01
Lab ID: 1204178-005
Client Sample ID: GP01-S-0.0

Collection Date: 4/18/2012 9:40:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
Bromobenzene	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
Bromochloromethane	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
Bromodichloromethane	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
Bromoform	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
Bromomethane	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
Carbon Disulfide	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
Carbon tetrachloride	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
Chlorobenzene	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
Chloroethane	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
Chloroform	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
Chloromethane	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
cis-1,2-Dichloroethene	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
cis-1,3-Dichloropropene	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
Dibromochloromethane	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
Dibromomethane	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
Dichlorodifluoromethane	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
Ethylbenzene	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
Hexachlorobutadiene	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
Isopropylbenzene	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
m,p-Xylene	ND	21.0		µg/Kg-dry	1	4/26/2012 11:08:00 AM
Methyl tert-butyl ether	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
Methylene Chloride	ND	52.4		µg/Kg-dry	1	4/26/2012 11:08:00 AM
Naphthalene	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
n-Butylbenzene	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
n-Propylbenzene	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
o-Xylene	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
sec-Butylbenzene	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
Styrene	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
tert-Butylbenzene	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
Tetrachloroethene	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
Toluene	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
trans-1,2-Dichloroethene	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
trans-1,3-Dichloropropene	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
Trichloroethene	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
Trichlorofluoromethane	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
Vinyl Chloride	ND	10.5		µg/Kg-dry	1	4/26/2012 11:08:00 AM
Surr: 1,2-Dichloroethane-d4	132	71.5-112	S	%REC	1	4/26/2012 11:08:00 AM
Surr: 4-Bromofluorobenzene	117	75.7-122		%REC	1	4/26/2012 11:08:00 AM
Surr: Dibromofluoromethane	139	64.3-124	S	%REC	1	4/26/2012 11:08:00 AM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01
Lab ID: 1204178-005
Client Sample ID: GP01-S-0.0

Collection Date: 4/18/2012 9:40:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
Surr: Toluene-d8	122	74.9-120	S	%REC	1	4/26/2012 11:08:00 AM
PCB'S IN SOIL		SW 8082A				Analyst: jrp
Aroclor 1016	ND	0.384		µg/Kg-dry	1	4/26/2012 3:00:00 PM
Aroclor 1221	ND	0.384		µg/Kg-dry	1	4/26/2012 3:00:00 PM
Aroclor 1232	ND	0.384		µg/Kg-dry	1	4/26/2012 3:00:00 PM
Aroclor 1242	ND	0.384		µg/Kg-dry	1	4/26/2012 3:00:00 PM
Aroclor 1248	ND	0.384		µg/Kg-dry	1	4/26/2012 3:00:00 PM
Aroclor 1254	ND	0.384		µg/Kg-dry	1	4/26/2012 3:00:00 PM
Aroclor 1260	ND	0.384		µg/Kg-dry	1	4/26/2012 3:00:00 PM
Aroclor 1262	ND	0.384		µg/Kg-dry	1	4/26/2012 3:00:00 PM
Aroclor 1268	ND	0.384		µg/Kg-dry	1	4/26/2012 3:00:00 PM
Surr: Decachlorobiphenyl	102	56.5-130		%REC	1	4/26/2012 3:00:00 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01
Lab ID: 1204178-006
Client Sample ID: GP06-S-1.0

Collection Date: 4/18/2012 4:15:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID				Analyst: kbh
Gasoline	ND	25.5		mg/Kg-dry	1	4/20/2012
Mineral Spirits	ND	25.5		mg/Kg-dry	1	4/20/2012
Kerosene	ND	63.6		mg/Kg-dry	1	4/20/2012
Diesel	ND	63.6		mg/Kg-dry	1	4/20/2012
Lube Oil	ND	127		mg/Kg-dry	1	4/20/2012
Surr: BFB	100	50-150		%REC	1	4/20/2012
Surr: o-Terphenyl	105	50-150		%REC	1	4/20/2012
RCRA_8		SW6010C				Analyst: CT
Arsenic	ND	2.36		mg/Kg-dry	1	4/20/2012 7:42:51 PM
Barium	220	1.18		mg/Kg-dry	1	4/20/2012 7:42:51 PM
Cadmium	ND	0.118		mg/Kg-dry	1	4/20/2012 7:42:51 PM
Chromium	15.9	0.589		mg/Kg-dry	1	4/20/2012 7:42:51 PM
Lead	ND	2.36		mg/Kg-dry	1	4/20/2012 7:42:51 PM
Selenium	ND	2.36		mg/Kg-dry	1	4/20/2012 7:42:51 PM
Silver	ND	2.36		mg/Kg-dry	1	4/20/2012 7:42:51 PM
RCRA_8		SW 7471B				Analyst: CT
Mercury	ND	0.0199		mg/Kg-dry	1	4/23/2012

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01
Lab ID: 1204178-007
Client Sample ID: GP12-S-7.5

Collection Date: 4/18/2012 11:00:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID				Analyst: kbh
Gasoline	ND	25.7		mg/Kg-dry	1	4/20/2012
Mineral Spirits	ND	25.7		mg/Kg-dry	1	4/20/2012
Kerosene	ND	64.4		mg/Kg-dry	1	4/20/2012
Diesel	ND	64.4		mg/Kg-dry	1	4/20/2012
Lube Oil	ND	129		mg/Kg-dry	1	4/20/2012
Surr: BFB	101	50-150		%REC	1	4/20/2012
Surr: o-Terphenyl	94.7	50-150		%REC	1	4/20/2012
RCRA_8		SW6010C				Analyst: CT
Arsenic	3.44	2.57		mg/Kg-dry	1	4/20/2012 7:47:21 PM
Barium	560	1.29		mg/Kg-dry	1	4/20/2012 7:47:21 PM
Cadmium	ND	0.129		mg/Kg-dry	1	4/20/2012 7:47:21 PM
Chromium	24.4	0.644		mg/Kg-dry	1	4/20/2012 7:47:21 PM
Lead	ND	2.57		mg/Kg-dry	1	4/20/2012 7:47:21 PM
Selenium	ND	2.57		mg/Kg-dry	1	4/20/2012 7:47:21 PM
Silver	ND	2.57		mg/Kg-dry	1	4/20/2012 7:47:21 PM
RCRA_8		SW 7471B				Analyst: CT
Mercury	ND	0.0202		mg/Kg-dry	1	4/23/2012

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01
Lab ID: 1204178-008
Client Sample ID: GP12-S-0.0

Collection Date: 4/18/2012 10:45:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID				Analyst: kbh
Gasoline	ND	24.8		mg/Kg-dry	1	4/20/2012
Mineral Spirits	ND	24.8		mg/Kg-dry	1	4/20/2012
Kerosene	ND	62.1		mg/Kg-dry	1	4/20/2012
Diesel	ND	62.1		mg/Kg-dry	1	4/20/2012
Lube Oil	ND	124		mg/Kg-dry	1	4/20/2012
Surr: BFB	100	50-150		%REC	1	4/20/2012
Surr: o-Terphenyl	104	50-150		%REC	1	4/20/2012
RCRA_8		SW6010C				Analyst: CT
Arsenic	ND	2.48		mg/Kg-dry	1	4/20/2012 7:52:06 PM
Barium	304	1.24		mg/Kg-dry	1	4/20/2012 7:52:06 PM
Cadmium	ND	0.124		mg/Kg-dry	1	4/20/2012 7:52:06 PM
Chromium	21.7	0.621		mg/Kg-dry	1	4/20/2012 7:52:06 PM
Lead	ND	2.48		mg/Kg-dry	1	4/20/2012 7:52:06 PM
Selenium	ND	2.48		mg/Kg-dry	1	4/20/2012 7:52:06 PM
Silver	ND	2.48		mg/Kg-dry	1	4/20/2012 7:52:06 PM
RCRA_8		SW 7471B				Analyst: CT
Mercury	ND	0.0183		mg/Kg-dry	1	4/23/2012

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01
Lab ID: 1204178-009
Client Sample ID: GP01-S-7.5

Collection Date: 4/18/2012 9:55:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID						
NWHCID						Analyst: kbh
Gasoline	GASOLINE	26.4		mg/Kg-dry	1	4/20/2012
Mineral Spirits	ND	26.4		mg/Kg-dry	1	4/20/2012
Kerosene	ND	66.0		mg/Kg-dry	1	4/20/2012
Diesel	DIESEL	66.0		mg/Kg-dry	1	4/20/2012
Lube Oil	ND	132		mg/Kg-dry	1	4/20/2012
Surr: BFB	200	50-150	SMI	%REC	1	4/20/2012
Surr: o-Terphenyl	230	50-150	SMI	%REC	1	4/20/2012
NWTPH-DX						
NWTPH-DX						Analyst: kbh
Diesel	3,990	19.8		mg/Kg-dry	1	4/25/2012 3:40:00 PM
Lube Oil	ND	66.0	A3	mg/Kg-dry	1	4/25/2012 3:40:00 PM
Surr: o-Terphenyl	81.5	50-150		%REC	1	4/25/2012 3:40:00 PM
NWTPH-GX						
NWTPH-GX						Analyst: jrj
Gasoline	272	11.6		mg/Kg-dry	2	4/26/2012 11:00:00 AM
Surr: 4-Bromofluorobenzene	114	50-150		%REC	2	4/26/2012 11:00:00 AM
RCRA_8						
SW6010C						Analyst: CT
Arsenic	3.85	2.49		mg/Kg-dry	1	4/20/2012 7:56:36 PM
Barium	400	1.25		mg/Kg-dry	1	4/20/2012 7:56:36 PM
Cadmium	ND	0.125		mg/Kg-dry	1	4/20/2012 7:56:36 PM
Chromium	30.1	0.623		mg/Kg-dry	1	4/20/2012 7:56:36 PM
Lead	2.70	2.49		mg/Kg-dry	1	4/20/2012 7:56:36 PM
Selenium	ND	2.49		mg/Kg-dry	1	4/20/2012 7:56:36 PM
Silver	ND	2.49		mg/Kg-dry	1	4/20/2012 7:56:36 PM
RCRA_8						
SW 7471B						Analyst: CT
Mercury	ND	0.0221		mg/Kg-dry	1	4/23/2012
PAH'S BY GC/MS - LOW LEVEL						
SW8270D						Analyst: bda
1-Methylnaphthalene	6,280	44.0	HT	µg/Kg-dry	5	5/8/2012 9:29:00 AM
2-Methylnaphthalene	4,780	44.0	HT	µg/Kg-dry	5	5/8/2012 9:29:00 AM
Acenaphthene	490	8.81	HT	µg/Kg-dry	1	5/8/2012 9:02:00 AM
Acenaphthylene	ND	8.81	HT	µg/Kg-dry	1	5/8/2012 9:02:00 AM
Anthracene	332	8.81	HT	µg/Kg-dry	1	5/8/2012 9:02:00 AM
Benz(a)anthracene	40.5	8.81	HT	µg/Kg-dry	1	5/8/2012 9:02:00 AM
Benzo(a)pyrene	ND	8.81	HT	µg/Kg-dry	1	5/8/2012 9:02:00 AM
Benzo(b)fluoranthene	ND	8.81	HT	µg/Kg-dry	1	5/8/2012 9:02:00 AM
Benzo(g,h,i)perylene	ND	8.81	HT	µg/Kg-dry	1	5/8/2012 9:02:00 AM
Benzo(k)fluoranthene	ND	8.81	HT	µg/Kg-dry	1	5/8/2012 9:02:00 AM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01
Lab ID: 1204178-009
Client Sample ID: GP01-S-7.5

Collection Date: 4/18/2012 9:55:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PAH'S BY GC/MS - LOW LEVEL		SW8270D				Analyst: bda
Chrysene	24.6	8.81	HT	µg/Kg-dry	1	5/8/2012 9:02:00 AM
Dibenz(a,h)anthracene	ND	8.81	HT	µg/Kg-dry	1	5/8/2012 9:02:00 AM
Fluoranthene	135	8.81	HT	µg/Kg-dry	1	5/8/2012 9:02:00 AM
Fluorene	1,380	8.81	HT	µg/Kg-dry	1	5/8/2012 9:02:00 AM
Indeno(1,2,3-cd)pyrene	ND	8.81	HT	µg/Kg-dry	1	5/8/2012 9:02:00 AM
Naphthalene	276	8.81	HT	µg/Kg-dry	1	5/8/2012 9:02:00 AM
Phenanthrene	4,590	44.0	HT	µg/Kg-dry	5	5/8/2012 9:29:00 AM
Pyrene	408	8.81	HT	µg/Kg-dry	1	5/8/2012 9:02:00 AM
Surr: 2-Fluorobiphenyl	52.6	42.6-128	H	%REC	1	5/8/2012 9:02:00 AM
Surr: Nitrobenzene-d5	52.9	21.7-155	H	%REC	1	5/8/2012 9:02:00 AM
Surr: p-Terphenyl-d14	95.4	44.9-155	H	%REC	1	5/8/2012 9:02:00 AM
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: rg
1,1,1,2-Tetrachloroethane	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
1,1,1-Trichloroethane	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
1,1,2,2-Tetrachloroethane	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
1,1,2-Trichloroethane	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
1,1-Dichloroethane	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
1,1-Dichloroethene	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
1,1-Dichloropropene	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
1,2,3-Trichlorobenzene	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
1,2,3-Trichloropropane	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
1,2,4-Trichlorobenzene	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
1,2,4-Trimethylbenzene	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
1,2-Dibromo-3-chloropropane	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
1,2-Dibromoethane	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
1,2-Dichlorobenzene	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
1,2-Dichloroethane	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
1,2-Dichloropropane	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
1,3,5-Trimethylbenzene	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
1,3-Dichlorobenzene	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
1,3-Dichloropropane	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
1,4-Dichlorobenzene	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
2,2-Dichloropropane	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
2-Butanone	ND	52.4		µg/Kg-dry	1	5/8/2012 6:19:00 PM
2-Chlorotoluene	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
2-Hexanone	ND	26.2		µg/Kg-dry	1	5/8/2012 6:19:00 PM
4-Chlorotoluene	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
4-Isopropyltoluene	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01
Lab ID: 1204178-009
Client Sample ID: GP01-S-7.5

Collection Date: 4/18/2012 9:55:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: rg
4-Methyl-2-pentanone	ND	52.4		µg/Kg-dry	1	5/8/2012 6:19:00 PM
Acetone	ND	131		µg/Kg-dry	1	5/8/2012 6:19:00 PM
Benzene	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
Bromobenzene	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
Bromochloromethane	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
Bromodichloromethane	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
Bromoform	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
Bromomethane	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
Carbon Disulfide	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
Carbon tetrachloride	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
Chlorobenzene	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
Chloroethane	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
Chloroform	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
Chloromethane	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
cis-1,2-Dichloroethene	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
cis-1,3-Dichloropropene	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
Dibromochloromethane	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
Dibromomethane	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
Dichlorodifluoromethane	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
Ethylbenzene	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
Hexachlorobutadiene	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
Hexane	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
Isopropylbenzene	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
m,p-Xylene	ND	26.2		µg/Kg-dry	1	5/8/2012 6:19:00 PM
Methyl tert-butyl ether	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
Methylene Chloride	ND	65.5		µg/Kg-dry	1	5/8/2012 6:19:00 PM
Naphthalene	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
n-Butylbenzene	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
n-Propylbenzene	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
o-Xylene	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
sec-Butylbenzene	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
Styrene	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
tert-Butylbenzene	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
Tetrachloroethene	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
Toluene	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
trans-1,2-Dichloroethene	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
trans-1,3-Dichloropropene	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
Trichloroethene	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
Trichlorofluoromethane	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01
Lab ID: 1204178-009
Client Sample ID: GP01-S-7.5

Collection Date: 4/18/2012 9:55:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: rg
Vinyl Chloride	ND	13.1		µg/Kg-dry	1	5/8/2012 6:19:00 PM
Surr: 1,2-Dichloroethane-d4	88.0	71.5-112		%REC	1	5/8/2012 6:19:00 PM
Surr: 4-Bromofluorobenzene	89.0	75.7-122		%REC	1	5/8/2012 6:19:00 PM
Surr: Dibromofluoromethane	93.9	64.3-124		%REC	1	5/8/2012 6:19:00 PM
Surr: Toluene-d8	103	74.9-120		%REC	1	5/8/2012 6:19:00 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01
Lab ID: 1204178-010
Client Sample ID: GP17-S-1.0

Collection Date: 4/18/2012 2:15:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID				Analyst: kbh
Gasoline	ND	24.5		mg/Kg-dry	1	4/20/2012
Mineral Spirits	ND	24.5		mg/Kg-dry	1	4/20/2012
Kerosene	ND	61.3		mg/Kg-dry	1	4/20/2012
Diesel	ND	61.3		mg/Kg-dry	1	4/20/2012
Lube Oil	ND	123		mg/Kg-dry	1	4/20/2012
Surr: BFB	97.9	50-150		%REC	1	4/20/2012
Surr: o-Terphenyl	102	50-150		%REC	1	4/20/2012
RCRA_8		SW6010C				Analyst: CT
Arsenic	3.86	2.19		mg/Kg-dry	1	4/20/2012 8:01:22 PM
Barium	320	1.10		mg/Kg-dry	1	4/20/2012 8:01:22 PM
Cadmium	ND	0.110		mg/Kg-dry	1	4/20/2012 8:01:22 PM
Chromium	15.0	0.548		mg/Kg-dry	1	4/20/2012 8:01:22 PM
Lead	3.89	2.19		mg/Kg-dry	1	4/20/2012 8:01:22 PM
Selenium	ND	2.19		mg/Kg-dry	1	4/20/2012 8:01:22 PM
Silver	ND	2.19		mg/Kg-dry	1	4/20/2012 8:01:22 PM
RCRA_8		SW 7471B				Analyst: CT
Mercury	ND	0.0205		mg/Kg-dry	1	4/23/2012

QC SUMMARY REPORT

WO#: 1204178

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: 6010_S

Sample ID: MBLK-2390	SampType: MBLK	TestCode: 6010_S	Units: mg/Kg	Prep Date: 4/20/2012	RunNo: 3845						
Client ID: PBS	Batch ID: 2390	TestNo: SW6010C	SW3050B	Analysis Date: 4/20/2012	SeqNo: 51404						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	2.00									
Barium	ND	1.00									
Cadmium	ND	0.100									
Chromium	ND	0.500									
Lead	ND	2.00									
Selenium	ND	2.00									
Silver	ND	2.00									

Sample ID: LCS-2390	SampType: LCS	TestCode: 6010_S	Units: mg/Kg	Prep Date: 4/20/2012	RunNo: 3845						
Client ID: LCSS	Batch ID: 2390	TestNo: SW6010C	SW3050B	Analysis Date: 4/20/2012	SeqNo: 51405						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	104	2.00	100.0	0	104	85.1	107				
Barium	49.5	1.00	50.00	0	99.0	85.7	110				
Cadmium	4.93	0.100	5.000	0	98.6	87.2	109				
Chromium	25.1	0.500	25.00	0	100	84	113				
Lead	100	2.00	100.0	0	100	84.9	109				
Selenium	101	2.00	100.0	0	101	88.7	111				
Silver	48.7	2.00	50.00	0	97.4	79.3	109				

Sample ID: 1204178-001ADUP	SampType: DUP	TestCode: 6010_S	Units: mg/Kg-dry	Prep Date: 4/20/2012	RunNo: 3845						
Client ID: GP11-S-1.0	Batch ID: 2390	TestNo: SW6010C	SW3050B	Analysis Date: 4/20/2012	SeqNo: 51408						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	2.42						0	0	20	

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

WO#: 1204178

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: 6010_S

Sample ID: 1204178-001ADUP	SampType: DUP	TestCode: 6010_S		Units: mg/Kg-dry	Prep Date: 4/20/2012				RunNo: 3845		
Client ID: GP11-S-1.0	Batch ID: 2390	TestNo: SW6010C		SW3050B	Analysis Date: 4/20/2012				SeqNo: 51408		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	271	1.21						273.8	1.15	20	
Cadmium	ND	0.121						0	0	20	
Chromium	21.6	0.604						22.15	2.71	20	
Lead	7.35	2.42						9.680	27.4	20	R
Selenium	ND	2.42						0	0	20	
Silver	ND	2.42						3.118	200	20	

Sample ID: 1204178-001AMS	SampType: MS	TestCode: 6010_S	Units: mg/Kg-dry	Prep Date: 4/20/2012	RunNo: 3845						
Client ID: GP11-S-1.0	Batch ID: 2390	TestNo: SW6010C	SW3050B	Analysis Date: 4/20/2012	SeqNo: 51409						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	116	2.33	116.4	0	100	86.1	109				
Barium	592	1.16	58.19	273.8	547	75	125				SMI
Cadmium	5.29	0.116	5.819	0	91.0	86.4	113				
Chromium	53.5	0.582	29.09	22.15	108	75	121				
Lead	122	2.33	116.4	9.680	96.2	84.9	109				
Selenium	105	2.33	116.4	0	90.3	77.7	116				
Silver	9.05	2.33	58.19	3.118	10.2	75	123				SRP

Sample ID: 1204178-001AMSD	SampType: MSD	TestCode: 6010_S	Units: mg/Kg-dry	Prep Date: 4/20/2012	RunNo: 3845						
Client ID: GP11-S-1.0	Batch ID: 2390	TestNo: SW6010C	SW3050B	Analysis Date: 4/20/2012	SeqNo: 51410						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	119	2.33	116.4	0	102	86.1	109	116.5	1.98	20	
Barium	599	1.16	58.19	273.8	559	75	125	592.0	1.17	20	SMI

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 2 of 26
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

WO#: 1204178

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: 6010_S

Sample ID: 1204178-001AMSD	SampType: MSD	TestCode: 6010_S	Units: mg/Kg-dry	Prep Date: 4/20/2012	RunNo: 3845						
Client ID: GP11-S-1.0	Batch ID: 2390	TestNo: SW6010C	SW3050B	Analysis Date: 4/20/2012	SeqNo: 51410						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	5.33	0.116	5.819	0	91.6	86.4	113	5.295	0.657	20	
Chromium	54.3	0.582	29.09	22.15	110	75	121	53.50	1.40	20	
Lead	122	2.33	116.4	9.680	96.9	84.9	109	121.6	0.668	20	
Selenium	106	2.33	116.4	0	91.2	77.7	116	105.1	0.959	20	
Silver	9.59	2.33	58.19	3.118	11.1	75	123	9.054	5.74	20	SRP

Sample ID: CCV	SampType: CCV	TestCode: 6010_S		Units: mg/Kg	Prep Date:			RunNo: 3845			
Client ID: CCV	Batch ID: 2390	TestNo: SW6010C		SW3050B	Analysis Date: 4/20/2012			SeqNo: 51414			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	106	2.00	100.0	0	106	90	110				
Barium	48.6	1.00	50.00	0	97.3	90	110				
Cadmium	4.83	0.100	5.000	0	96.6	90	110				
Chromium	26.0	0.500	25.00	0	104	90	110				
Lead	98.7	2.00	100.0	0	98.7	90	110				
Selenium	101	2.00	100.0	0	101	90	110				
Silver	51.0	2.00	50.00	0	102	90	110				

Sample ID: CCV	SampType: CCV	TestCode: 6010_S		Units: mg/Kg	Prep Date:			RunNo: 3845			
Client ID: CCV	Batch ID: 2390	TestNo: SW6010C		SW3050B	Analysis Date: 4/20/2012			SeqNo: 51420			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	109	2.00	100.0	0	109	90	110				
Barium	50.9	1.00	50.00	0	102	90	110				
Cadmium	5.06	0.100	5.000	0	101	90	110				

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 3 of 26
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

WO#: 1204178

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: 6010_S

Sample ID: CCV	SampType: CCV	TestCode: 6010_S		Units: mg/Kg	Prep Date:			RunNo: 3845			
Client ID: CCV	Batch ID: 2390	TestNo: SW6010C		SW3050B	Analysis Date: 4/20/2012			SeqNo: 51420			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	26.7	0.500	25.00	0	107	90	110				
Lead	104	2.00	100.0	0	104	90	110				
Selenium	104	2.00	100.0	0	104	90	110				
Silver	50.9	2.00	50.00	0	102	90	110				

Sample ID: CCV	SampType: CCV	TestCode: 6010_S		Units: mg/Kg	Prep Date:			RunNo: 3845			
Client ID: CCV	Batch ID: 2390	TestNo: SW6010C		SW3050B	Analysis Date: 4/20/2012			SeqNo: 51426			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	107	2.00	100.0	0	107	90	110				
Barium	50.7	1.00	50.00	0	101	90	110				
Cadmium	5.02	0.100	5.000	0	100	90	110				
Chromium	25.7	0.500	25.00	0	103	90	110				
Lead	103	2.00	100.0	0	103	90	110				
Selenium	102	2.00	100.0	0	102	90	110				
Silver	49.9	2.00	50.00	0	99.8	90	110				

Sample ID: CCV	SampType: CCV	TestCode: 6010_S	Units: mg/Kg	Prep Date:	RunNo: 3845						
Client ID: CCV	Batch ID: 2390	TestNo: SW6010C	SW3050B	Analysis Date: 4/23/2012	SeqNo: 51548						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	98.1	2.00	100.0	0	98.1	90	110				

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 4 of 26
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

WO#: 1204178

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: 8082LL_S

Sample ID: CCV	SampType: CCV	TestCode: 8082LL_S	Units: µg/Kg	Prep Date:	RunNo: 3945						
Client ID: CCV	Batch ID: 2425	TestNo: SW 8082A	3545_8082LL	Analysis Date: 4/26/2012	SeqNo: 52749						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016/1260	64.7	0.333	66.67	0	97.0	85	115				
Aroclor 1254	66.7	0.333	66.67	0	100	85	115				
Aroclor 1260	66.7	0.333	66.67	0	100	85	115				

Sample ID: MB-2425	SampType: MBLK	TestCode: 8082LL_S		Units: µg/Kg	Prep Date: 4/24/2012				RunNo: 3945		
Client ID: PBS	Batch ID: 2425	TestNo: SW 8082A		3545_8082LL	Analysis Date: 4/26/2012				SeqNo: 52750		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.333									
Aroclor 1221	ND	0.333									
Aroclor 1232	ND	0.333									
Aroclor 1242	ND	0.333									
Aroclor 1248	ND	0.333									
Aroclor 1254	ND	0.333									
Aroclor 1260	ND	0.333									
Aroclor 1262	ND	0.333									
Aroclor 1268	ND	0.333									
Surr: Decachlorobiphenyl	6,230		6,667		93.5	56.5	130				

Sample ID: LCS-2425	SampType: LCS	TestCode: 8082LL_S	Units: µg/Kg	Prep Date: 4/24/2012	RunNo: 3945						
Client ID: LCSS	Batch ID: 2425	TestNo: SW 8082A	3545_8082LL	Analysis Date: 4/26/2012	SeqNo: 52751						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016/1260	61.3	0.333	66.67	0	92.0	44.3	137				

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 5 of 26
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

WO#: 1204178

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: 8082LL_S

Sample ID: 1204200-001AMS	SampType: MS	TestCode: 8082LL_S	Units: µg/Kg-dry	Prep Date: 4/24/2012	RunNo: 3945						
Client ID: ZZZZZZ	Batch ID: 2425	TestNo: SW 8082A	3545_8082LL	Analysis Date: 4/26/2012	SeqNo: 52752						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aroclor 1016/1260	112	0.600	120.1	0	93.0	56.6	123				

Sample ID: 1204200-001AMSD		SampType: MSD		TestCode: 8082LL_S		Units: µg/Kg-dry		Prep Date: 4/24/2012		RunNo: 3945			
Client ID: ZZZZZZ		Batch ID: 2425		TestNo: SW 8082A		3545_8082LL		Analysis Date: 4/26/2012		SeqNo: 52753			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aroclor 1016/1260	88.9	0.600	120.1	0	74.0	56.6	123	111.7	22.8	20	R

Sample ID: CCV	SampType: CCV	TestCode: 8082LL_S	Units: µg/Kg	Prep Date:	RunNo: 3945						
Client ID: CCV	Batch ID: 2425	TestNo: SW 8082A	3545_8082LL	Analysis Date: 4/26/2012	SeqNo: 52757						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aroclor 1016/1260	62.0	0.333	66.67	0	93.0	85	115				
Aroclor 1254	64.0	0.333	66.67	0	96.0	85	115				
Aroclor 1260	66.0	0.333	66.67	0	99.0	85	115				

QC SUMMARY REPORT

WO#: 1204178

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: 8260_5035

Sample ID: CCV-2489	SampType: CCV	TestCode: 8260_5035	Units: µg/Kg-dry	Prep Date:	RunNo: 4026						
Client ID: CCV	Batch ID: 2489	TestNo: SW8260B	SW5035A	Analysis Date: 4/26/2012	SeqNo: 53974						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	54.0	10.0	60.00	0	90.0	80	120				
1,2-Dichloropropane	64.3	10.0	60.00	0	107	80	120				
Chloroform	49.0	10.0	60.00	0	81.7	80	120				
Ethylbenzene	66.8	10.0	60.00	0	111	80	120				
Trichloroethene	64.2	10.0	60.00	0	107	80	120				
Vinyl Chloride	55.9	10.0	60.00	0	93.1	80	120				

Sample ID: LCS-2489	SampType: LCS	TestCode: 8260_5035	Units: µg/Kg-dry	Prep Date: 4/26/2012	RunNo: 4026						
Client ID: LCSS	Batch ID: 2489	TestNo: SW8260B	SW5035A	Analysis Date: 4/26/2012	SeqNo: 53975						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	62.4	10.0	60.00	0	104	80	120				SO
Benzene	47.8	10.0	60.00	0	79.7	80	120				
Chlorobenzene	65.2	10.0	60.00	0	109	80	120				
Toluene	65.6	10.0	60.00	0	109	80	120				
Trichloroethene	64.5	10.0	60.00	0	107	80	120				

Sample ID: LCSD-2489	SampType: LCSD	TestCode: 8260_5035	Units: µg/Kg-dry	Prep Date: 4/26/2012	RunNo: 4026						
Client ID: LCSS02	Batch ID: 2489	TestNo: SW8260B	SW5035A	Analysis Date: 4/26/2012	SeqNo: 53983						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	62.2	10.0	60.00	0	104	80	120	62.43	0.450	20	
Benzene	66.8	10.0	60.00	0	111	80	120	47.80	33.1	20	
Chlorobenzene	64.9	10.0	60.00	0	108	80	120	65.17	0.446	20	
Toluene	64.0	10.0	60.00	0	107	80	120	65.55	2.39	20	

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 7 of 26
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

WO#: 1204178

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: 8260_5035

Sample ID: LCSD-2489	SampType: LCSD	TestCode: 8260_5035	Units: µg/Kg-dry	Prep Date: 4/26/2012	RunNo: 4026						
Client ID: LCSS02	Batch ID: 2489	TestNo: SW8260B	SW5035A	Analysis Date: 4/26/2012	SeqNo: 53983						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene	63.8	10.0	60.00	0	106	80	120	64.49	0.997	20	

Sample ID: CCV	SampType: CCV	TestCode: 8260_5035		Units: µg/Kg	Prep Date:				RunNo: 4026		
Client ID: CCV	Batch ID: 2489	TestNo: SW8260B		SW5035A	Analysis Date: 4/30/2012				SeqNo: 54083		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	60.8	10.0	60.00	0	101	80	120				
1,2-Dichloropropane	67.9	10.0	60.00	0	113	80	120				
Chloroform	63.5	10.0	60.00	0	106	80	120				
Ethylbenzene	66.8	10.0	60.00	0	111	80	120				
Trichloroethene	63.4	10.0	60.00	0	106	80	120				
Vinyl Chloride	56.5	10.0	60.00	0	94.2	80	120				

Sample ID: LCS-2557	SampType: LCS	TestCode: 8260_5035	Units: µg/Kg	Prep Date: 5/8/2012	RunNo: 4158						
Client ID: LCSS	Batch ID: 2557	TestNo: SW8260B	SW5035A	Analysis Date: 5/8/2012	SeqNo: 55645						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	55.4	10.0	60.00	0	92.3	82.4	121				
Benzene	68.2	10.0	60.00	0	114	74.3	136				
Chlorobenzene	65.7	10.0	60.00	0	110	85.9	121				
Toluene	69.9	10.0	60.00	0	116	85.1	123				
Trichloroethene	67.8	10.0	60.00	0	113	87.8	119				

QC SUMMARY REPORT

WO#: 1204178

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: 8260_5035

Sample ID: LCSD-2557	SampType: LCSD	TestCode: 8260_5035	Units: µg/Kg	Prep Date: 5/8/2012	RunNo: 4158						
Client ID: LCSS02	Batch ID: 2557	TestNo: SW8260B	SW5035A	Analysis Date: 5/8/2012	SeqNo: 55646						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	60.9	10.0	60.00	0	102	82.4	121	55.39	9.54	20	
Benzene	68.6	10.0	60.00	0	114	74.3	136	68.20	0.658	20	
Chlorobenzene	66.0	10.0	60.00	0	110	85.9	121	65.73	0.349	20	
Toluene	70.2	10.0	60.00	0	117	85.1	123	69.88	0.528	20	
Trichloroethene	66.6	10.0	60.00	0	111	87.8	119	67.83	1.88	20	

Sample ID: MBLK-2557	SampType: MBLK	TestCode: 8260_5035	Units: µg/Kg	Prep Date:	RunNo: 4158						
Client ID: PBS	Batch ID: 2557	TestNo: SW8260B	SW5035A	Analysis Date: 5/8/2012	SeqNo: 55649						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	10.0									
1,1,1-Trichloroethane	ND	10.0									
1,1,2,2-Tetrachloroethane	ND	10.0									
1,1,2-Trichloroethane	ND	10.0									
1,1-Dichloroethane	ND	10.0									
1,1-Dichloroethene	ND	10.0									
1,1-Dichloropropene	ND	10.0									
1,2,3-Trichlorobenzene	ND	10.0									
1,2,3-Trichloropropane	ND	10.0									
1,2,4-Trichlorobenzene	ND	10.0									
1,2,4-Trimethylbenzene	ND	10.0									
1,2-Dibromo-3-chloropropane	ND	10.0									
1,2-Dibromoethane	ND	10.0									
1,2-Dichlorobenzene	ND	10.0									
1,2-Dichloroethane	ND	10.0									

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 9 of 26
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

WO#: 1204178

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: 8260_5035

Sample ID: MBLK-2557	SampType: MBLK	TestCode: 8260_5035	Units: µg/Kg	Prep Date:	RunNo: 4158						
Client ID: PBS	Batch ID: 2557	TestNo: SW8260B	SW5035A	Analysis Date: 5/8/2012	SeqNo: 55649						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloropropane	ND	10.0									
1,3,5-Trimethylbenzene	ND	10.0									
1,3-Dichlorobenzene	ND	10.0									
1,3-Dichloropropane	ND	10.0									
1,4-Dichlorobenzene	ND	10.0									
2,2-Dichloropropane	ND	10.0									
2-Butanone	ND	40.0									
2-Chlorotoluene	ND	10.0									
2-Hexanone	ND	20.0									
4-Chlorotoluene	ND	10.0									
4-Isopropyltoluene	ND	10.0									
4-Methyl-2-pentanone	ND	40.0									
Acetone	ND	100									
Benzene	ND	10.0									
Bromobenzene	ND	10.0									
Bromochloromethane	ND	10.0									
Bromodichloromethane	ND	10.0									
Bromoform	ND	10.0									
Bromomethane	ND	10.0									
Carbon Disulfide	ND	10.0									
Carbon tetrachloride	ND	10.0									
Chlorobenzene	ND	10.0									
Chloroethane	ND	10.0									
Chloroform	ND	10.0									
Chloromethane	ND	10.0									
cis-1,2-Dichloroethene	ND	10.0									

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 10 of 26
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

WO#: 1204178

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: 8260_5035

Sample ID: MBLK-2557	SampType: MBLK	TestCode: 8260_5035	Units: µg/Kg	Prep Date:	RunNo: 4158						
Client ID: PBS	Batch ID: 2557	TestNo: SW8260B	SW5035A	Analysis Date: 5/8/2012	SeqNo: 55649						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,3-Dichloropropene	ND	10.0									
Dibromochloromethane	ND	10.0									
Dibromomethane	ND	10.0									
Dichlorodifluoromethane	ND	10.0									
Ethylbenzene	ND	10.0									
Hexachlorobutadiene	ND	10.0									
Hexane	ND	10.0									
Isopropylbenzene	ND	10.0									
m,p-Xylene	ND	20.0									
Methyl tert-butyl ether	ND	10.0									
Methylene Chloride	ND	50.0									
Naphthalene	ND	10.0									
n-Butylbenzene	11.4	10.0									
n-Propylbenzene	ND	10.0									
o-Xylene	ND	10.0									
sec-Butylbenzene	ND	10.0									
Styrene	ND	10.0									
tert-Butylbenzene	ND	10.0									
Tetrachloroethene	ND	10.0									
Toluene	ND	10.0									
trans-1,2-Dichloroethene	ND	10.0									
trans-1,3-Dichloropropene	ND	10.0									
Trichloroethene	ND	10.0									
Trichlorofluoromethane	ND	10.0									
Vinyl Chloride	ND	10.0									
Surr: 1,2-Dichloroethane-d4	86.7		100.0		86.7	71.5	112				

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

QC SUMMARY REPORT

WO#: 1204178

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: 8260_5035

Sample ID: MBLK-2557	SampType: MBLK	TestCode: 8260_5035	Units: µg/Kg	Prep Date:	RunNo: 4158						
Client ID: PBS	Batch ID: 2557	TestNo: SW8260B	SW5035A	Analysis Date: 5/8/2012	SeqNo: 55649						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	88.0		100.0		88.0	75.7	122				
Surr: Dibromofluoromethane	94.4		100.0		94.4	64.3	124				
Surr: Toluene-d8	104		100.0		104	74.9	120				

Sample ID: CCV-2557	SampType: CCV	TestCode: 8260_5035		Units: µg/Kg	Prep Date:				RunNo: 4158		
Client ID: CCV	Batch ID: 2557	TestNo: SW8260B		SW5035A	Analysis Date: 5/9/2012				SeqNo: 56063		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	64.5	10.0	60.00	0	108	80	120				
1,2-Dichloropropane	59.9	10.0	60.00	0	99.8	80	120				
Chloroform	53.0	10.0	60.00	0	88.3	80	120				
Toluene	64.2	10.0	60.00	0	107	80	120				
Vinyl Chloride	64.0	10.0	60.00	0	107	80	120				

Sample ID: LCS-2557	SampType: LCS	TestCode: 8260_5035	Units: µg/Kg	Prep Date: 5/8/2012	RunNo: 4158						
Client ID: LCSS	Batch ID: 2557	TestNo: SW8260B	SW5035A	Analysis Date: 5/9/2012	SeqNo: 56065						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	59.5	10.0	60.00	0	99.2	82.4	121				
Benzene	64.1	10.0	60.00	0	107	74.3	136				
Chlorobenzene	64.9	10.0	60.00	0	108	85.9	121				
Toluene	66.0	10.0	60.00	0	110	85.1	123				
Trichloroethene	61.3	10.0	60.00	0	102	87.8	119				

QC SUMMARY REPORT

WO#: 1204178

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: 8260_5035

Sample ID: LCSD-2557	SampType: LCSD	TestCode: 8260_5035	Units: µg/Kg	Prep Date: 5/8/2012	RunNo: 4158						
Client ID: LCSS02	Batch ID: 2557	TestNo: SW8260B	SW5035A	Analysis Date: 5/9/2012	SeqNo: 56068						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	55.6	10.0	60.00	0	92.6	82.4	121	59.50	6.87	20	
Benzene	60.8	10.0	60.00	0	101	74.3	136	64.12	5.38	20	
Chlorobenzene	60.3	10.0	60.00	0	101	85.9	121	64.90	7.33	20	
Toluene	62.9	10.0	60.00	0	105	85.1	123	66.04	4.89	20	
Trichloroethene	58.3	10.0	60.00	0	97.2	87.8	119	61.34	5.08	20	

Sample ID: A1205082-001BMS	SampType: MS	TestCode: 8260_5035	Units: µg/Kg	Prep Date:	RunNo: 4158						
Client ID: ZZZZZZ	Batch ID: 2557	TestNo: SW8260B	SW5035A	Analysis Date: 5/9/2012	SeqNo: 56084						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	1,260	250	1,500	0	83.7	69.2	158				
Benzene	1,290	250	1,500	0	86.1	71.7	147				
Chlorobenzene	1,220	250	1,500	0	81.2	75	148				
Toluene	404	250	1,500	92.75	20.8	75.8	153				S
Trichloroethene	1,570	250	1,500	71.50	99.7	77.1	138				

Sample ID: A1205082-001BMSD		SampType: MSD	TestCode: 8260_5035		Units: µg/Kg	Prep Date:			RunNo: 4158		
Client ID: ZZZZZZ		Batch ID: 2557	TestNo: SW8260B		SW5035A	Analysis Date: 5/9/2012			SeqNo: 56085		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	1,300	250	1,500	0	86.6	69.2	158	1,256	3.46	20	
Benzene	1,310	250	1,500	0	87.5	71.7	147	1,291	1.59	20	
Chlorobenzene	1,430	250	1,500	0	95.1	75	148	1,218	15.8	20	
Toluene	420	250	1,500	92.75	21.8	75.8	153	404.3	3.94	20	S
Trichloroethene	1,540	250	1,500	71.50	97.6	77.1	138	1,567	2.03	20	

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 13 of 26
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

WO#: 1204178

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: HCID_NW

Sample ID: MB-2393	SampType: MBLK	TestCode: HCID_NW	Units: mg/Kg	Prep Date: 4/20/2012	RunNo: 3850						
Client ID: PBS	Batch ID: 2393	TestNo: NWHCID		Analysis Date: 4/20/2012	SeqNo: 51473						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	20.0									
Mineral Spirits	ND	20.0									
Kerosene	ND	50.0									
Diesel	ND	50.0									
Lube Oil	ND	100									
Surr: BFB	98.6		100.0		98.6	50	150				
Surr: o-Terphenyl	103		100.0		103	50	150				

Sample ID: 1204178-001ADUP	SampType: DUP	TestCode: HCID_NW	Units: mg/Kg-dry	Prep Date: 4/20/2012	RunNo: 3850						
Client ID: GP11-S-1.0	Batch ID: 2393	TestNo: NWHCID		Analysis Date: 4/20/2012	SeqNo: 51475						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	25.1						0	0	20	
Mineral Spirits	ND	25.1						0	0	20	
Kerosene	ND	62.8						0	0	20	
Diesel	ND	62.8						0	0	20	
Lube Oil	ND	126						0	0	20	

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

QC SUMMARY REPORT

WO#: 1204178

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: HG_CTS

Sample ID: MB-2409	SampType: MBLK	TestCode: HG_CTS	Units: mg/Kg	Prep Date: 4/23/2012	RunNo: 3876
Client ID: PBS	Batch ID: 2409	TestNo: SW 7471B	SW 7471B	Analysis Date: 4/23/2012	SeqNo: 51759
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Mercury ND 0.0167

Sample ID: LCS-2409	SampType: LCS	TestCode: HG_CTS	Units: mg/Kg	Prep Date: 4/23/2012	RunNo: 3876
Client ID: LCSS	Batch ID: 2409	TestNo: SW 7471B	SW 7471B	Analysis Date: 4/23/2012	SeqNo: 51760
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Mercury 0.274 0.0167 0.2500 0 110 88.2 113

Sample ID: 1204178-001ADUP	SampType: DUP	TestCode: HG_CTS	Units: mg/Kg-dry	Prep Date: 4/23/2012	RunNo: 3876
Client ID: GP11-S-1.0	Batch ID: 2409	TestNo: SW 7471B	SW 7471B	Analysis Date: 4/23/2012	SeqNo: 51762
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Mercury 0.0228 0.0210 0.02226 2.51 20

Sample ID: 1204178-001AMS	SampType: MS	TestCode: HG_CTS	Units: mg/Kg-dry	Prep Date: 4/23/2012	RunNo: 3876
Client ID: GP11-S-1.0	Batch ID: 2409	TestNo: SW 7471B	SW 7471B	Analysis Date: 4/23/2012	SeqNo: 51763
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Mercury 0.414 0.0210 0.3142 0.02226 125 78.1 125

Sample ID: 1204178-001AMSD	SampType: MSD	TestCode: HG_CTS	Units: mg/Kg-dry	Prep Date: 4/23/2012	RunNo: 3876
Client ID: GP11-S-1.0	Batch ID: 2409	TestNo: SW 7471B	SW 7471B	Analysis Date: 4/23/2012	SeqNo: 51764
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Mercury 0.389 0.0210 0.3142 0.02226 117 78.1 125 0.4142 6.20 20

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 15 of 26
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

WO#: 1204178

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: HG_CTS

Sample ID: CCV		SampType: CCV		TestCode: HG_CTS		Units: mg/Kg		Prep Date:			RunNo: 3876		
Client ID: CCV		Batch ID: 2409		TestNo: SW 7471B		SW 7471B		Analysis Date: 4/23/2012			SeqNo: 51777		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.267	0.0167	0.2500	0	107	90	110				

Sample ID: CCV		SampType: CCV		TestCode: HG_CTS		Units: mg/Kg		Prep Date:			RunNo: 3876		
Client ID: CCV		Batch ID: 2409		TestNo: SW 7471B		SW 7471B		Analysis Date: 4/23/2012			SeqNo: 51778		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.243	0.0167	0.2500	0	97.1	90	110				

QC SUMMARY REPORT

WO#: 1204178

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: NWTPHDX_S

Sample ID: MB-2433		SampType: MBLK		TestCode: NWTPHDX_S		Units: mg/Kg		Prep Date: 4/23/2012		RunNo: 3928			
Client ID: PBS		Batch ID: 2433		TestNo: NWTPH-Dx		SW3545A		Analysis Date: 4/25/2012		SeqNo: 52446			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel	ND	15.0									
Lube Oil	ND	50.0									
Surr: o-Terphenyl	30.2		33.30		90.8	50	150				

Sample ID: LCS-2433		SampType: LCS		TestCode: NWTPHDX_S		Units: mg/Kg		Prep Date: 4/23/2012		RunNo: 3928			
Client ID: LCSS		Batch ID: 2433		TestNo: NWTPH-Dx		SW3545A		Analysis Date: 4/25/2012		SeqNo: 52447			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel	162	15.0	166.5	0	97.1	76.3	125
Lube Oil	160	50.0	166.5	0	96.0	69.9	127

Sample ID: CCV		SampType: CCV		TestCode: NWTPHDX_S		Units: mg/Kg		Prep Date:		RunNo: 3928			
Client ID: CCV		Batch ID: 2433		TestNo: NWTPH-Dx		SW3545A		Analysis Date: 4/26/2012		SeqNo: 52675			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel	1,050	15.0	1,022	0	102	85	115
Lube Oil	492	50.0	524.5	0	93.8	85	115

Sample ID: CCV	SampType: CCV	TestCode: NWTPHDX_S	Units: mg/Kg	Prep Date:	RunNo: 3928						
Client ID: CCV	Batch ID: 2433	TestNo: NWTPH-Dx	SW3545A	Analysis Date: 4/26/2012	SeqNo: 52678						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel	1,430	15.0	1,363	0	105	85	115
Lube Oil	599	50.0	699.3	0	85.7	85	115

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 17 of 26
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

WO#: 1204178

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: NWTPHGX_SA

Sample ID: MB-2437		SampType: MBLK		TestCode: NWTPHGX_S		Units: mg/Kg		Prep Date: 4/25/2012		RunNo: 3938			
Client ID: PBS		Batch ID: 2437		TestNo: NWTPH-Gx		SW5035A		Analysis Date: 4/25/2012		SeqNo: 52631			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	2.50									
Surr: 4-Bromofluorobenzene	5.27		5.000		105	50	150				

Sample ID: LCS-2437	SampType: LCS	TestCode: NWTPHGX_S	Units: mg/Kg	Prep Date: 4/25/2012	RunNo: 3938						
Client ID: LCSS	Batch ID: 2437	TestNo: NWTPH-Gx	SW5035A	Analysis Date: 4/25/2012	SeqNo: 52632						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	49.3	2.50	50.00	0	98.6	53.5	121				

Sample ID: CCV	SampType: CCV	TestCode: NWTPHGX_S	Units: mg/Kg	Prep Date:	RunNo: 3938						
Client ID: CCV	Batch ID: 2437	TestNo: NWTPH-Gx	SW5035A	Analysis Date: 4/26/2012	SeqNo: 52634						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	136	2.50	125.0	0	109	80	120				

Sample ID: 1204178-009CDUP	SampType: DUP	TestCode: NWTPHGX_S	Units: mg/Kg-dry	Prep Date: 4/25/2012	RunNo: 3938						
Client ID: GP01-S-7.5	Batch ID: 2437	TestNo: NWTPH-Gx	SW5035A	Analysis Date: 4/26/2012	SeqNo: 52637						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	256	11.6						272.0	6.17	20	

Sample ID: CCV	SampType: CCV	TestCode: NWTPHGX_S	Units: mg/Kg	Prep Date:	RunNo: 3938						
Client ID: CCV	Batch ID: 2437	TestNo: NWTPH-Gx	SW5035A	Analysis Date: 4/26/2012	SeqNo: 52638						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:	B	Analyte detected in the associated Method Blank	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit	Page 18 of 26
	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits			

QC SUMMARY REPORT

WO#: 1204178

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: NWTPHGX_SA

Sample ID: CCV	SampType: CCV	TestCode: NWTPHGX_S		Units: mg/Kg	Prep Date:			RunNo: 3938			
Client ID: CCV	Batch ID: 2437	TestNo: NWTPH-Gx		SW5035A	Analysis Date: 4/26/2012			SeqNo: 52638			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	152	2.50	150.0	0	101	80	120				

Qualifiers:	B	Analyte detected in the associated Method Blank	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit	Page 19 of 26
	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits			

QC SUMMARY REPORT

WO#: 1204178

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: PAHLL_S

Sample ID: CCV-2422	SampType: CCV	TestCode: PAHLL_S	Units: µg/Kg	Prep Date:	RunNo: 3921						
Client ID: CCV	Batch ID: 2422	TestNo: SW8270D	SW 3545A	Analysis Date: 4/25/2012	SeqNo: 52355						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	68.7	6.67	66.67	0	103	80	120				
Acenaphthylene	70.0	6.67	66.67	0	105	80	120				
Anthracene	58.7	6.67	66.67	0	88.0	80	120				
Benz(a)anthracene	60.0	6.67	66.67	0	90.0	80	120				
Benzo(a)pyrene	61.3	6.67	66.67	0	92.0	80	120				
Benzo(b)fluoranthene	57.3	6.67	66.67	0	86.0	80	120				
Benzo(g,h,i)perylene	62.7	6.67	66.67	0	94.0	80	120				
Benzo(k)fluoranthene	69.3	6.67	66.67	0	104	80	120				
Chrysene	73.3	6.67	66.67	0	110	80	120				
Dibenz(a,h)anthracene	62.0	6.67	66.67	0	93.0	80	120				
Fluoranthene	72.0	6.67	66.67	0	108	80	120				
Fluorene	70.0	6.67	66.67	0	105	80	120				
Indeno(1,2,3-cd)pyrene	64.0	6.67	66.67	0	96.0	80	120				
Naphthalene	74.0	6.67	66.67	0	111	80	120				
Phenanthrene	68.0	6.67	66.67	0	102	80	120				
Pyrene	64.7	6.67	66.67	0	97.0	80	120				

Sample ID: LCS-2422	SampType: LCS	TestCode: PAHLL_S	Units: µg/Kg	Prep Date: 4/24/2012	RunNo: 3921						
Client ID: LCSS	Batch ID: 2422	TestNo: SW8270D	SW 3545A	Analysis Date: 4/25/2012	SeqNo: 52356						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	295	6.67	333.3	0	88.6	39.6	107				
Benzo(g,h,i)perylene	348	6.67	333.3	0	104	49.7	135				
Chrysene	357	6.67	333.3	0	107	57.1	130				
Naphthalene	268	6.67	333.3	0	80.4	29.1	109				

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 20 of 26
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

WO#: 1204178

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: PAHLL_S

Sample ID: LCS-2422		SampType: LCS		TestCode: PAHLL_S		Units: µg/Kg		Prep Date: 4/24/2012			RunNo: 3921		
Client ID: LCSS		Batch ID: 2422		TestNo: SW8270D		SW 3545A		Analysis Date: 4/25/2012			SeqNo: 52356		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Phenanthrene	334	6.67	333.3	0	100	48.4	115				
Pyrene	367	6.67	333.3	0	110	47.2	134				

Sample ID: 1204200-002AMS	SampType: MS	TestCode: PAHLL_S	Units: µg/Kg-dry	Prep Date: 4/24/2012	RunNo: 3921						
Client ID: ZZZZZZ	Batch ID: 2422	TestNo: SW8270D	SW 3545A	Analysis Date: 4/25/2012	SeqNo: 52357						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	545	101	504.6	286.6	51.2	33.7	111				
Benzo(g,h,i)perylene	1,350	101	504.6	1,013	67.2	15	128				
Chrysene	1,610	101	504.6	1,655	-8.00	37.5	125				SMI
Naphthalene	444	101	504.6	119.1	64.4	27.7	108				
Phenanthrene	1,370	101	504.6	1,467	-18.8	20.2	139				SMI
Pyrene	1,990	101	504.6	1,889	19.6	26.8	142				SMI

Sample ID: 1204200-002AMSD	SampType: MSD	TestCode: PAHLL_S	Units: µg/Kg-dry	Prep Date: 4/24/2012	RunNo: 3921						
Client ID: ZZZZZZ	Batch ID: 2422	TestNo: SW8270D	SW 3545A	Analysis Date: 4/25/2012	SeqNo: 52358						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	999	101	504.6	286.6	141	33.7	111	545.0	58.8	20	SRMI
Benzo(g,h,i)perylene	2,730	101	504.6	1,013	339	15	128	1,352	67.3	20	SRMI
Chrysene	3,140	101	504.6	1,655	294	37.5	125	1,615	64.1	20	SRMI
Naphthalene	727	101	504.6	119.1	120	27.7	108	444.1	48.3	20	SRMI
Phenanthrene	2,320	101	504.6	1,467	169	20.2	139	1,373	51.4	20	SRMI
Pyrene	3,740	101	504.6	1,889	368	26.8	142	1,988	61.3	20	SRMI

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 21 of 26
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

WO#: 1204178

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: PAHLL_S

Sample ID: MB-2422	SampType: MBLK	TestCode: PAHLL_S	Units: µg/Kg	Prep Date: 4/24/2012	RunNo: 3921						
Client ID: PBS	Batch ID: 2422	TestNo: SW8270D	SW 3545A	Analysis Date: 4/25/2012	SeqNo: 52359						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Methylnaphthalene	ND	6.67									
2-Methylnaphthalene	ND	6.67									
Acenaphthene	ND	6.67									
Acenaphthylene	ND	6.67									
Anthracene	ND	6.67									
Benz(a)anthracene	ND	6.67									
Benzo(a)pyrene	ND	6.67									
Benzo(b)fluoranthene	ND	6.67									
Benzo(g,h,i)perylene	ND	6.67									
Benzo(k)fluoranthene	ND	6.67									
Chrysene	ND	6.67									
Dibenz(a,h)anthracene	ND	6.67									
Fluoranthene	ND	6.67									
Fluorene	ND	6.67									
Indeno(1,2,3-cd)pyrene	ND	6.67									
Naphthalene	ND	6.67									
Phenanthrene	ND	6.67									
Pyrene	ND	6.67									
Surr: 2-Fluorobiphenyl	5,270		6,667		79.0	42.6	128				
Surr: Nitrobenzene-d5	5,300		6,667		79.5	21.7	155				
Surr: p-Terphenyl-d14	7,430		6,667		111	44.9	155				

QC SUMMARY REPORT

WO#: 1204178

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: PAHLL_S

Sample ID: CCV-2525	SampType: CCV	TestCode: PAHLL_S	Units: µg/Kg	Prep Date:				RunNo: 4119			
Client ID: CCV	Batch ID: 2525	TestNo: SW8270D	SW 3545A	Analysis Date: 5/8/2012				SeqNo: 55140			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	55.3	6.67	66.67	0	83.0	80	120				
Acenaphthylene	54.0	6.67	66.67	0	81.0	80	120				
Anthracene	56.7	6.67	66.67	0	85.0	80	120				
Benz(a)anthracene	54.7	6.67	66.67	0	82.0	80	120				
Benzo(a)pyrene	55.3	6.67	66.67	0	83.0	80	120				
Benzo(b)fluoranthene	58.0	6.67	66.67	0	87.0	80	120				
Benzo(g,h,i)perylene	54.7	6.67	66.67	0	82.0	80	120				
Benzo(k)fluoranthene	56.0	6.67	66.67	0	84.0	80	120				
Chrysene	57.3	6.67	66.67	0	86.0	80	120				
Dibenz(a,h)anthracene	56.7	6.67	66.67	0	85.0	80	120				
Fluoranthene	56.0	6.67	66.67	0	84.0	80	120				
Fluorene	61.3	6.67	66.67	0	92.0	80	120				
Indeno(1,2,3-cd)pyrene	54.0	6.67	66.67	0	81.0	80	120				
Naphthalene	55.3	6.67	66.67	0	83.0	80	120				
Phenanthrene	55.3	6.67	66.67	0	83.0	80	120				
Pyrene	54.7	6.67	66.67	0	82.0	80	120				

Sample ID: MB-2525	SampType: MBLK	TestCode: PAHLL_S	Units: µg/Kg	Prep Date: 5/7/2012	RunNo: 4119						
Client ID: PBS	Batch ID: 2525	TestNo: SW8270D	SW 3545A	Analysis Date: 5/8/2012	SeqNo: 55141						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Methylnaphthalene	ND	6.67									
2-Methylnaphthalene	ND	6.67									
Acenaphthene	ND	6.67									
Acenaphthylene	ND	6.67									

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 23 of 26
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

WO#: 1204178

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: PAHLL_S

Sample ID: MB-2525	SampType: MBLK	TestCode: PAHLL_S	Units: µg/Kg	Prep Date: 5/7/2012	RunNo: 4119						
Client ID: PBS	Batch ID: 2525	TestNo: SW8270D	SW 3545A	Analysis Date: 5/8/2012	SeqNo: 55141						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Anthracene	ND	6.67									
Benz(a)anthracene	ND	6.67									
Benzo(a)pyrene	ND	6.67									
Benzo(b)fluoranthene	ND	6.67									
Benzo(g,h,i)perylene	ND	6.67									
Benzo(k)fluoranthene	ND	6.67									
Chrysene	ND	6.67									
Dibenz(a,h)anthracene	ND	6.67									
Fluoranthene	ND	6.67									
Fluorene	ND	6.67									
Indeno(1,2,3-cd)pyrene	ND	6.67									
Naphthalene	ND	6.67									
Phenanthrene	ND	6.67									
Pyrene	ND	6.67									
Surr: 2-Fluorobiphenyl	3,860		6,667		57.9	42.6	128				
Surr: Nitrobenzene-d5	4,600		6,667		69.0	21.7	155				
Surr: p-Terphenyl-d14	5,400		6,667		80.9	44.9	155				

Sample ID: LCS-2525	SampType: LCS	TestCode: PAHLL_S	Units: µg/Kg	Prep Date: 5/7/2012	RunNo: 4119						
Client ID: LCSS	Batch ID: 2525	TestNo: SW8270D	SW 3545A	Analysis Date: 5/8/2012	SeqNo: 55263						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	250	6.67	333.3	0	75.0	39.6	107				
Acenaphthylene	272	6.67	333.3	0	81.6	38.9	102				
Anthracene	250	6.67	333.3	0	75.0	43.4	119				

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 24 of 26
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

WO#: 1204178

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: PAHLL_S

Sample ID: LCS-2525		SampType: LCS		TestCode: PAHLL_S		Units: µg/Kg		Prep Date: 5/7/2012			RunNo: 4119		
Client ID: LCSS		Batch ID: 2525		TestNo: SW8270D		SW 3545A		Analysis Date: 5/8/2012			SeqNo: 55263		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benz(a)anthracene	267	6.67	333.3	0	80.2	48.4	121				
Benzo(a)pyrene	176	6.67	333.3	0	52.8	37.7	137				
Benzo(b)fluoranthene	297	6.67	333.3	0	89.2	58.6	117				
Benzo(g,h,i)perylene	231	6.67	333.3	0	69.4	49.7	135				
Benzo(k)fluoranthene	329	6.67	333.3	0	98.8	46.1	124				
Chrysene	293	6.67	333.3	0	88.0	57.1	130				
Dibenz(a,h)anthracene	285	6.67	333.3	0	85.4	44.2	124				
Fluoranthene	294	6.67	333.3	0	88.2	53.4	113				
Fluorene	260	6.67	333.3	0	78.0	37.1	114				
Indeno(1,2,3-cd)pyrene	273	6.67	333.3	0	81.8	47.9	121				
Naphthalene	274	6.67	333.3	0	82.2	29.1	109				
Phenanthrene	265	6.67	333.3	0	79.6	48.4	115				
Pyrene	274	6.67	333.3	0	82.2	47.2	134				

Sample ID: 1204178-009AMS	SampType: MS	TestCode: PAHLL_S	Units: µg/Kg-dry	Prep Date: 5/7/2012	RunNo: 4119						
Client ID: GP01-S-7.5	Batch ID: 2525	TestNo: SW8270D	SW 3545A	Analysis Date: 5/8/2012	SeqNo: 55264						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	1,080	44.0	440.1	490.3	134	33.7	111				SMIH
Benzo(g,h,i)perylene	361	44.0	440.1	0	82.0	15	128				MIH
Chrysene	392	44.0	440.1	24.65	83.4	37.5	125				MIH
Fluorene	1,990	44.0	440.1	1,381	137	48.6	117				SMIH
Naphthalene	506	44.0	440.1	276.4	52.2	27.7	108				MIH
Phenanthrene	5,130	44.0	440.1	4,232	204	20.2	139				SMCH

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 25 of 26
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

WO#: 1204178

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: PAHLL_S

Sample ID: 1204178-009AMSD	SampType: MSD	TestCode: PAHLL_S	Units: µg/Kg-dry	Prep Date: 5/7/2012	RunNo: 4119						
Client ID: GP01-S-7.5	Batch ID: 2525	TestNo: SW8270D	SW 3545A	Analysis Date: 5/8/2012	SeqNo: 55265						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	1,270	44.0	440.1	490.3	178	33.7	111	1,078	16.5	20	SMIH
Benzo(g,h,i)perylene	387	44.0	440.1	0	88.0	15	128	360.9	7.06	20	MIH
Chrysene	379	44.0	440.1	24.65	80.4	37.5	125	391.7	3.43	20	MIH
Fluorene	2,100	44.0	440.1	1,381	163	48.6	117	1,985	5.60	20	SMIH
Naphthalene	555	44.0	440.1	276.4	63.2	27.7	108	506.2	9.13	20	MIH
Phenanthrene	5,700	44.0	440.1	4,232	334	20.2	139	5,128	10.6	20	SMCH

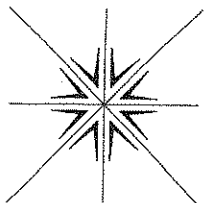
Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 26 of 26
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

KEY TO FLAGS

Rev. May 12, 2010

- A This sample contains a Gasoline Range Organic not identified as a specific hydrocarbon product. The result was quantified against gasoline calibration standards
- A1 This sample contains a Diesel Range Organic not identified as a specific hydrocarbon product. The result was quantified against diesel calibration standards.
- A2 This sample contains a Lube Oil Range Organic not identified as a specific hydrocarbon product. The result was quantified against a lube oil calibration standard.
- A3 The result was determined to be Non-Detect based on hydrocarbon pattern recognition. The product was carry-over from another hydrocarbon type.
- A4 The product appears to be aged or degraded diesel.
- B The blank exhibited a positive result great than the reporting limit for this compound.
- CN See Case Narrative.
- D Result is based from a dilution.
- E Result exceeds the calibration range for this compound. The result should be considered as estimate.
- F The positive result for this hydrocarbon is due to single component contamination. The product does not match any hydrocarbon in the fuels library.
- G Result may be biased high due to biogenic interferences. Clean up is recommended.
- H Sample was analyzed outside recommended holding time.
- HT At clients request, samples was analyzed outside of recommended holding time.
- J The result for this analyte is between the MDL and the PQL and should be considered as estimated concentration.
- K Diesel result is biased high due to amount of Oil contained in the sample.
- L Diesel result is biased high due to amount of Gasoline contained in the sample.
- M Oil result is biased high due to amount of Diesel contained in the sample.
- MC Sample concentration is greater than 4x the spiked value, the spiked value is considered insignificant.
- MI Result is outside control limits due to matrix interference.
- MSA Value determined by Method of Standard Addition.
- O Laboratory Control Standard (LCS) exceeded laboratory control limits, but meets CCV criteria. Data meets EPA requirements.
- Q Detection levels elevated due to sample matrix.
- R RPD control limits were exceeded.
- RF Duplicate failed due to result being at or near the method-reporting limit.
- RP Matrix spike values exceed established QC limits; post digestion spike is in control.
- S Recovery is outside control limits.
- SC Closing CCV or LCS exceeded high recovery control limits, but associated samples are non-detect. Data meets EPA requirements.
- * The result for this parameter was greater than the maximum contaminant level of the TCLP regulatory limit.

Page of



11711 SE Capps Road
Clackamas, OR 97015
Phone: 503-607-1331
Fax: 503-607-1336

Contact Person/Project Manager CHRISTINA JOHNSON
Company MFA
Address 400 EAST MILL PLAIN SUITE 400
VANCOUVER, WA 98106
Phone 360-1094-2691 Fax 360-906-1958
Project No. 0564.01.05T01 Project Name 52nd STREET
Project Site Location OR WA Other _____
Invoice To SOME P.O. No. _____

Collected By:

Signature

Printed

Signature_____

Printed...

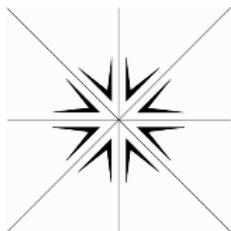
Turn Around Time

☒ Normal 5-7 Business Days☐ Rush

Specify

Rush Analyses Must Be Scheduled With The Lab In Advance

[illegible]



Specialty Analytical

11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

May 02, 2012

Christina Johnson
Maul Foster & Alongi
400 E. Mill Plain Blvd.
Suite 400
Vancouver, Washington 98660
TEL: (360) 694-2691
FAX: (360) 906-1958
RE: 32nd Street / 0564.01.03T01

Dear Christina Johnson:

Order No.: 1204179

Specialty Analytical received 3 sample(s) on 4/19/2012 for the analyses presented in the following report.

There were no problems with the analysis and all data for associated QC met EPA or laboratory specifications, except where noted in the Case Narrative, or as qualified with flags. Results apply only to the samples analyzed. Without approval of the laboratory, the reproduction of this report is only permitted in its entirety.

If you have any questions regarding these tests, please feel free to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Marty French". The signature is stylized with a cursive, flowing script.

Marty French
Lab Director

Specialty Analytical

Date Reported: 02-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

Lab Order: 1204179

Lab ID: 1204179-001
Client Sample ID: GP12-W-20.0

Collection Date: 4/18/2012 10:30:00 AM
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed

NWTPH HCID	NWHCID	Analyst: kbh

Diesel	ND	0.599	mg/L	1	4/20/2012
Gasoline	ND	0.238	mg/L	1	4/20/2012
Kerosene	ND	0.599	mg/L	1	4/20/2012
Lube Oil	ND	0.599	mg/L	1	4/20/2012
Mineral Spirits	ND	0.238	mg/L	1	4/20/2012
Surr: BFB	76.5	30.2-133	%REC	1	4/20/2012
Surr: o-Terphenyl	85.1	50-150	%REC	1	4/20/2012

RCRA 8 AQUEOUS	SW6010C	Analyst: CT

Arsenic	ND	0.020	mg/L	1	4/20/2012 9:42:53 PM
Barium	0.500	0.010	mg/L	1	4/20/2012 9:42:53 PM
Cadmium	ND	0.001	mg/L	1	4/20/2012 9:42:53 PM
Chromium	0.048	0.005	mg/L	1	4/20/2012 9:42:53 PM
Lead	ND	0.020	mg/L	1	4/20/2012 9:42:53 PM
Selenium	ND	0.020	mg/L	1	4/20/2012 9:42:53 PM
Silver	ND	0.010	mg/L	1	4/20/2012 9:42:53 PM

RCRA 8 AQUEOUS	E7470A	Analyst: CT

Mercury	ND	0.00010	mg/L	1	4/24/2012 3:08:50 PM

Specialty Analytical

Date Reported: 02-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

Lab Order: 1204179

Lab ID: 1204179-002
Client Sample ID: GP11-W-25.0

Collection Date: 4/18/2012 1:00:00 PM
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed

NWTPH HCID	NWHCID	Analyst: kbh

Diesel	ND	0.605	mg/L	1	4/20/2012
Gasoline	ND	0.240	mg/L	1	4/20/2012
Kerosene	ND	0.605	mg/L	1	4/20/2012
Lube Oil	ND	0.605	mg/L	1	4/20/2012
Mineral Spirits	ND	0.240	mg/L	1	4/20/2012
Surr: BFB	69.5	30.2-133	%REC	1	4/20/2012
Surr: o-Terphenyl	88.6	50-150	%REC	1	4/20/2012

RCRA 8 AQUEOUS	SW6010C	Analyst: CT

Arsenic	ND	0.020	mg/L	1	4/20/2012 9:47:25 PM
Barium	ND	0.010	mg/L	1	4/20/2012 9:47:25 PM
Cadmium	ND	0.001	mg/L	1	4/20/2012 9:47:25 PM
Chromium	0.008	0.005	mg/L	1	4/20/2012 9:47:25 PM
Lead	ND	0.020	mg/L	1	4/20/2012 9:47:25 PM
Selenium	ND	0.020	mg/L	1	4/20/2012 9:47:25 PM
Silver	ND	0.010	mg/L	1	4/20/2012 9:47:25 PM

RCRA 8 AQUEOUS	E7470A	Analyst: CT

Mercury	ND	0.00010	mg/L	1	4/24/2012 3:08:50 PM

Specialty Analytical

Date Reported: 02-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

Lab Order: 1204179

Lab ID: 1204179-003
Client Sample ID: GP17-W-35.0

Collection Date: 4/18/2012 3:00:00 PM
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed

NWTPH HCID **NWHCID** Analyst: **kbh**

Diesel	ND	0.602		mg/L	1	4/20/2012
Gasoline	ND	0.239		mg/L	1	4/20/2012
Kerosene	ND	0.602		mg/L	1	4/20/2012
Lube Oil	ND	0.602		mg/L	1	4/20/2012
Mineral Spirits	ND	0.239		mg/L	1	4/20/2012
Surr: BFB	78.7	30.2-133		%REC	1	4/20/2012
Surr: o-Terphenyl	88.6	50-150		%REC	1	4/20/2012

RCRA 8 AQUEOUS **SW6010C** Analyst: **CT**

Arsenic	ND	0.020		mg/L	1	4/20/2012 9:52:09 PM
Barium	0.020	0.010		mg/L	1	4/20/2012 9:52:09 PM
Cadmium	ND	0.001		mg/L	1	4/20/2012 9:52:09 PM
Chromium	0.015	0.005		mg/L	1	4/20/2012 9:52:09 PM
Lead	ND	0.020		mg/L	1	4/20/2012 9:52:09 PM
Selenium	ND	0.020		mg/L	1	4/20/2012 9:52:09 PM
Silver	ND	0.010		mg/L	1	4/20/2012 9:52:09 PM

RCRA 8 AQUEOUS **E7470A** Analyst: **CT**

Mercury	ND	0.00010		mg/L	1	4/24/2012 3:08:50 PM

VOLATILE ORGANICS BY GC/MS **SW8260B** Analyst: **rg**

1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	4/25/2012 9:21:00 PM
1,1,1-Trichloroethane	ND	1.00		µg/L	1	4/25/2012 9:21:00 PM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	4/25/2012 9:21:00 PM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	4/25/2012 9:21:00 PM
1,1-Dichloroethane	ND	1.00		µg/L	1	4/25/2012 9:21:00 PM
1,1-Dichloroethene	ND	1.00		µg/L	1	4/25/2012 9:21:00 PM
1,1-Dichloropropene	ND	1.00		µg/L	1	4/25/2012 9:21:00 PM
1,2,3-Trichlorobenzene	ND	1.00		µg/L	1	4/25/2012 9:21:00 PM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	4/25/2012 9:21:00 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	4/25/2012 9:21:00 PM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	4/25/2012 9:21:00 PM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	4/25/2012 9:21:00 PM
1,2-Dibromoethane	ND	1.00		µg/L	1	4/25/2012 9:21:00 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	4/25/2012 9:21:00 PM
1,2-Dichloroethane	ND	1.00		µg/L	1	4/25/2012 9:21:00 PM
1,2-Dichloropropane	ND	1.00		µg/L	1	4/25/2012 9:21:00 PM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	4/25/2012 9:21:00 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	4/25/2012 9:21:00 PM

Specialty Analytical

Date Reported: 02-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

Lab Order: 1204179

VOLATILE ORGANICS BY GC/MS

SW8260B

Analyst: rg

1,3-Dichloropropane	ND	1.00	µg/L	1	4/25/2012 9:21:00 PM
1,4-Dichlorobenzene	ND	1.00	µg/L	1	4/25/2012 9:21:00 PM
2,2-Dichloropropane	ND	1.00	µg/L	1	4/25/2012 9:21:00 PM
2-Butanone	ND	10.0	µg/L	1	4/25/2012 9:21:00 PM
2-Chlorotoluene	ND	1.00	µg/L	1	4/25/2012 9:21:00 PM
2-Hexanone	ND	10.0	µg/L	1	4/25/2012 9:21:00 PM
4-Chlorotoluene	ND	1.00	µg/L	1	4/25/2012 9:21:00 PM
4-Isopropyltoluene	ND	1.00	µg/L	1	4/25/2012 9:21:00 PM
4-Methyl-2-pentanone	ND	20.0	µg/L	1	4/25/2012 9:21:00 PM
Acetone	ND	50.0	µg/L	1	4/25/2012 9:21:00 PM
Acrylonitrile	ND	5.00	µg/L	1	4/25/2012 9:21:00 PM
Benzene	ND	0.300	µg/L	1	4/25/2012 9:21:00 PM
Bromobenzene	ND	1.00	µg/L	1	4/25/2012 9:21:00 PM
Bromochloromethane	ND	1.00	µg/L	1	4/25/2012 9:21:00 PM
Bromodichloromethane	ND	1.00	µg/L	1	4/25/2012 9:21:00 PM
Bromoform	ND	1.00	µg/L	1	4/25/2012 9:21:00 PM
Bromomethane	ND	1.00	µg/L	1	4/25/2012 9:21:00 PM
Carbon disulfide	ND	2.00	µg/L	1	4/25/2012 9:21:00 PM
Carbon tetrachloride	ND	1.00	µg/L	1	4/25/2012 9:21:00 PM
Chlorobenzene	ND	1.00	µg/L	1	4/25/2012 9:21:00 PM
Chloroethane	ND	1.00	µg/L	1	4/25/2012 9:21:00 PM
Chloroform	ND	1.00	µg/L	1	4/25/2012 9:21:00 PM
Chloromethane	ND	1.00	µg/L	1	4/25/2012 9:21:00 PM
cis-1,2-Dichloroethene	ND	1.00	µg/L	1	4/25/2012 9:21:00 PM
cis-1,3-Dichloropropene	ND	1.00	µg/L	1	4/25/2012 9:21:00 PM
Dibromochloromethane	ND	1.00	µg/L	1	4/25/2012 9:21:00 PM
Dibromomethane	ND	1.00	µg/L	1	4/25/2012 9:21:00 PM
Dichlorodifluoromethane	ND	1.00	µg/L	1	4/25/2012 9:21:00 PM
Ethylbenzene	ND	1.00	µg/L	1	4/25/2012 9:21:00 PM
Hexachlorobutadiene	ND	1.00	µg/L	1	4/25/2012 9:21:00 PM
Isopropylbenzene	ND	1.00	µg/L	1	4/25/2012 9:21:00 PM
m,p-Xylene	ND	2.00	µg/L	1	4/25/2012 9:21:00 PM
Methyl tert-butyl ether	ND	1.00	µg/L	1	4/25/2012 9:21:00 PM
Methylene chloride	ND	20.0	µg/L	1	4/25/2012 9:21:00 PM
Naphthalene	ND	1.00	µg/L	1	4/25/2012 9:21:00 PM
n-Butylbenzene	ND	1.00	µg/L	1	4/25/2012 9:21:00 PM
n-Propylbenzene	ND	1.00	µg/L	1	4/25/2012 9:21:00 PM
o-Xylene	ND	1.00	µg/L	1	4/25/2012 9:21:00 PM
sec-Butylbenzene	ND	1.00	µg/L	1	4/25/2012 9:21:00 PM
Styrene	ND	1.00	µg/L	1	4/25/2012 9:21:00 PM
tert-Butylbenzene	ND	1.00	µg/L	1	4/25/2012 9:21:00 PM
Tetrachloroethene	ND	1.00	µg/L	1	4/25/2012 9:21:00 PM
Toluene	ND	1.00	µg/L	1	4/25/2012 9:21:00 PM

Specialty Analytical

Date Reported: 02-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

Lab Order: 1204179

VOLATILE ORGANICS BY GC/MS

SW8260B

Analyst: rg

trans-1,2-Dichloroethene	ND	1.00	µg/L	1	4/25/2012 9:21:00 PM
trans-1,3-Dichloropropene	ND	1.00	µg/L	1	4/25/2012 9:21:00 PM
Trichloroethene	ND	1.00	µg/L	1	4/25/2012 9:21:00 PM
Trichlorofluoromethane	ND	1.00	µg/L	1	4/25/2012 9:21:00 PM
Vinyl chloride	ND	1.00	µg/L	1	4/25/2012 9:21:00 PM
Surr: 1,2-Dichloroethane-d4	93.3	72.2-129	%REC	1	4/25/2012 9:21:00 PM
Surr: 4-Bromofluorobenzene	116	73.5-125	%REC	1	4/25/2012 9:21:00 PM
Surr: Dibromofluoromethane	111	58.8-148	%REC	1	4/25/2012 9:21:00 PM
Surr: Toluene-d8	123	79.8-137	%REC	1	4/25/2012 9:21:00 PM

QC SUMMARY REPORT

WO#: 1204179

02-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: 6010_W

Sample ID: ICV	SampType: ICV	TestCode: 6010_W		Units: mg/L	Prep Date:			RunNo: 3846			
Client ID: ICV	Batch ID: 2383	TestNo: SW6010C		SW3010A	Analysis Date: 4/20/2012			SeqNo: 51427			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.04	0.020	1.000	0	104	90	110				
Barium	0.508	0.010	0.5000	0	102	90	110				
Cadmium	0.050	0.001	0.05000	0	101	90	110				
Chromium	0.259	0.005	0.2500	0	103	90	110				
Lead	0.998	0.020	1.000	0	99.8	90	110				
Selenium	1.01	0.020	1.000	0	101	90	110				
Silver	0.489	0.010	0.5000	0	97.8	90	110				

Sample ID: MBLK-2383	SampType: MBLK	TestCode: 6010_W	Units: mg/L	Prep Date: 4/20/2012	RunNo: 3846						
Client ID: PBW	Batch ID: 2383	TestNo: SW6010C	SW3010A	Analysis Date: 4/20/2012	SeqNo: 51429						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.020									
Barium	ND	0.010									
Cadmium	ND	0.001									
Chromium	ND	0.005									
Lead	ND	0.020									
Selenium	ND	0.020									
Silver	ND	0.010									

Sample ID: LCS-2383	SampType: LCS	TestCode: 6010_W	Units: mg/L	Prep Date: 4/20/2012	RunNo: 3846						
Client ID: LCSW	Batch ID: 2383	TestNo: SW6010C	SW3010A	Analysis Date: 4/20/2012	SeqNo: 51430						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.06	0.020	1.000	0	106	93.8	107				

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

WO#: 1204179

02-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: 6010_W

Sample ID: LCS-2383	SampType: LCS	TestCode: 6010_W	Units: mg/L	Prep Date: 4/20/2012	RunNo: 3846						
Client ID: LCSW	Batch ID: 2383	TestNo: SW6010C	SW3010A	Analysis Date: 4/20/2012	SeqNo: 51430						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	0.499	0.010	0.5000	0	99.8	95	111				
Cadmium	0.049	0.001	0.05000	0	98.6	91.8	110				
Chromium	0.257	0.005	0.2500	0	103	93.9	113				
Lead	1.01	0.020	1.000	0	101	93.1	112				
Selenium	1.01	0.020	1.000	0	101	93.9	111				
Silver	0.505	0.010	0.5000	0	101	87.1	113				

Sample ID: 1204176-004BDUP	SampType: DUP	TestCode: 6010_W	Units: mg/L	Prep Date: 4/20/2012	RunNo: 3846						
Client ID: ZZZZZZ	Batch ID: 2383	TestNo: SW6010C	SW3010A	Analysis Date: 4/20/2012	SeqNo: 51432						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.020						0	0	20	
Barium	0.057	0.010						0.05800	1.21	20	
Cadmium	ND	0.001						0	0	20	
Chromium	0.006	0.005						0.005400	3.64	20	
Lead	ND	0.020						0	0	20	
Selenium	ND	0.020						0	0	20	
Silver	ND	0.010						0	0	20	R

Sample ID: 1204176-004BMS	SampType: MS	TestCode: 6010_W	Units: mg/L	Prep Date: 4/20/2012	RunNo: 3846						
Client ID: ZZZZZZ	Batch ID: 2383	TestNo: SW6010C	SW3010A	Analysis Date: 4/20/2012	SeqNo: 51433						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.07	0.020	1.000	0	107	90.1	110				
Barium	0.565	0.010	0.5000	0.05800	101	90.7	112				

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

WO#: 1204179

02-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: 6010_W

Sample ID: 1204176-004BMS	SampType: MS	TestCode: 6010_W	Units: mg/L	Prep Date: 4/20/2012	RunNo: 3846						
Client ID: ZZZZZZ	Batch ID: 2383	TestNo: SW6010C	SW3010A	Analysis Date: 4/20/2012	SeqNo: 51433						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	0.049	0.001	0.05000	0	98.0	93.4	110				
Chromium	0.264	0.005	0.2500	0.005400	104	93.4	112				
Lead	1.00	0.020	1.000	0	100	91.9	112				
Selenium	1.05	0.020	1.000	0	105	93.5	113				
Silver	1.10	0.010	1.000	0.004300	109	90.1	113				

Sample ID: 1204176-004BMSD	SampType: MSD	TestCode: 6010_W	Units: mg/L	Prep Date: 4/20/2012	RunNo: 3846						
Client ID: ZZZZZZ	Batch ID: 2383	TestNo: SW6010C	SW3010A	Analysis Date: 4/20/2012	SeqNo: 51434						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.09	0.020	1.000	0	109	90.1	110	1.072	1.48	20	
Barium	0.567	0.010	0.5000	0.05800	102	90.7	112	0.5653	0.283	20	
Cadmium	0.050	0.001	0.05000	0	99.2	93.4	110	0.04900	1.22	20	
Chromium	0.266	0.005	0.2500	0.005400	104	93.4	112	0.2642	0.754	20	
Lead	1.01	0.020	1.000	0	101	91.9	112	1.002	0.993	20	
Selenium	1.07	0.020	1.000	0	107	93.5	113	1.051	1.51	20	
Silver	1.05	0.010	1.000	0.004300	105	90.1	113	1.098	4.09	20	

Sample ID: CCV	SampType: CCV	TestCode: 6010_W		Units: mg/L	Prep Date:				RunNo: 3846		
Client ID: CCV	Batch ID: 2383	TestNo: SW6010C		SW3010A	Analysis Date: 4/20/2012				SeqNo: 51437		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.06	0.020	1.000	0	106	90	110				
Barium	0.488	0.010	0.5000	0	97.5	90	110				
Cadmium	0.049	0.001	0.05000	0	97.8	90	110				

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 3 of 15
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

WO#: 1204179

02-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: 6010_W

Sample ID: CCV	SampType: CCV	TestCode: 6010_W	Units: mg/L	Prep Date:	RunNo: 3846						
Client ID: CCV	Batch ID: 2383	TestNo: SW6010C	SW3010A	Analysis Date: 4/20/2012	SeqNo: 51437						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.263	0.005	0.2500	0	105	90	110				
Lead	1.01	0.020	1.000	0	101	90	110				
Selenium	0.993	0.020	1.000	0	99.3	90	110				
Silver	0.520	0.010	0.5000	0	104	90	110				

Sample ID: CCV	SampType: CCV	TestCode: 6010_W		Units: mg/L	Prep Date:				RunNo: 3846		
Client ID: CCV	Batch ID: 2383	TestNo: SW6010C		SW3010A	Analysis Date: 4/20/2012				SeqNo: 51454		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.01	0.020	1.000	0	101	90	110				
Barium	0.482	0.010	0.5000	0	96.3	90	110				
Cadmium	0.048	0.001	0.05000	0	96.0	90	110				
Chromium	0.251	0.005	0.2500	0	100	90	110				
Lead	0.973	0.020	1.000	0	97.3	90	110				
Selenium	0.982	0.020	1.000	0	98.2	90	110				
Silver	0.468	0.010	0.5000	0	93.6	90	110				

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

QC SUMMARY REPORT

WO#: 1204179

02-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: 8260_W

Sample ID: CCV-3926	SampType: CCV	TestCode: 8260_W	Units: µg/L	Prep Date:	RunNo: 3926						
Client ID: CCV	Batch ID: R3926	TestNo: SW8260B		Analysis Date: 4/25/2012	SeqNo: 52422						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	39.5	1.00	40.00	0	98.8	80	120				
1,2-Dichloropropane	39.7	1.00	40.00	0	99.2	80	120				
Chloroform	41.1	1.00	40.00	0	103	80	120				
Ethylbenzene	39.3	1.00	40.00	0	98.3	80	120				
Toluene	34.5	1.00	40.00	0	86.2	80	120				
Vinyl chloride	36.3	1.00	40.00	0	90.8	80	120				

Sample ID: LCS-3926	SampType: LCS	TestCode: 8260_W	Units: µg/L	Prep Date:	RunNo: 3926						
Client ID: LCSW	Batch ID: R3926	TestNo: SW8260B		Analysis Date: 4/25/2012	SeqNo: 52423						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	46.4	1.00	40.00	0	116	69.9	130				
Benzene	44.7	0.300	40.00	0	112	77.9	125				
Chlorobenzene	38.0	1.00	40.00	0	94.9	82.5	114				
Toluene	39.0	1.00	40.00	0	97.5	74.6	119				
Trichloroethene	49.8	1.00	40.00	0	125	74.7	125				

Sample ID: MBLK-3926	SampType: MBLK	TestCode: 8260_W	Units: µg/L	Prep Date:	RunNo: 3926						
Client ID: PBW	Batch ID: R3926	TestNo: SW8260B		Analysis Date: 4/25/2012	SeqNo: 52424						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	1.00									
1,1,1-Trichloroethane	ND	1.00									
1,1,2,2-Tetrachloroethane	ND	1.00									
1,1,2-Trichloroethane	ND	1.00									

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

Page 5 of 15

QC SUMMARY REPORT

WO#: 1204179

02-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: 8260_W

Sample ID: MBLK-3926	SampType: MBLK	TestCode: 8260_W	Units: µg/L	Prep Date:	RunNo: 3926						
Client ID: PBW	Batch ID: R3926	TestNo: SW8260B		Analysis Date: 4/25/2012	SeqNo: 52424						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	ND	1.00									
1,1-Dichloroethene	ND	1.00									
1,1-Dichloropropene	ND	1.00									
1,2,3-Trichlorobenzene	ND	1.00									
1,2,3-Trichloropropane	ND	1.00									
1,2,4-Trichlorobenzene	ND	1.00									
1,2,4-Trimethylbenzene	ND	1.00									
1,2-Dibromo-3-chloropropane	ND	1.00									
1,2-Dibromoethane	ND	1.00									
1,2-Dichlorobenzene	ND	1.00									
1,2-Dichloroethane	ND	1.00									
1,2-Dichloropropane	ND	1.00									
1,3,5-Trimethylbenzene	ND	1.00									
1,3-Dichlorobenzene	ND	1.00									
1,3-Dichloropropane	ND	1.00									
1,4-Dichlorobenzene	ND	1.00									
2,2-Dichloropropane	ND	1.00									
2-Butanone	ND	10.0									
2-Chlorotoluene	ND	1.00									
2-Hexanone	ND	10.0									
4-Chlorotoluene	ND	1.00									
4-Isopropyltoluene	ND	1.00									
4-Methyl-2-pentanone	ND	20.0									
Acetone	ND	50.0									
Acrylonitrile	ND	5.00									
Benzene	ND	0.300									

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

QC SUMMARY REPORT

WO#: 1204179

02-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: 8260_W

Sample ID: MBLK-3926	SampType: MBLK	TestCode: 8260_W	Units: µg/L	Prep Date:					RunNo: 3926		
Client ID: PBW	Batch ID: R3926	TestNo: SW8260B		Analysis Date: 4/25/2012					SeqNo: 52424		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromobenzene	ND	1.00									
Bromochloromethane	ND	1.00									
Bromodichloromethane	ND	1.00									
Bromoform	ND	1.00									
Bromomethane	ND	1.00									
Carbon disulfide	ND	2.00									
Carbon tetrachloride	ND	1.00									
Chlorobenzene	ND	1.00									
Chloroethane	ND	1.00									
Chloroform	ND	1.00									
Chloromethane	ND	1.00									
cis-1,2-Dichloroethene	ND	1.00									
cis-1,3-Dichloropropene	ND	1.00									
Dibromochloromethane	ND	1.00									
Dibromomethane	ND	1.00									
Dichlorodifluoromethane	ND	1.00									
Ethylbenzene	ND	1.00									
Hexachlorobutadiene	ND	1.00									
Isopropylbenzene	ND	1.00									
m,p-Xylene	ND	2.00									
Methyl tert-butyl ether	ND	1.00									
Methylene chloride	ND	20.0									
Naphthalene	ND	1.00									
n-Butylbenzene	ND	1.00									
n-Propylbenzene	ND	1.00									
o-Xylene	ND	1.00									

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

QC SUMMARY REPORT

WO#: 1204179

02-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: 8260_W

Sample ID: MBLK-3926	SampType: MBLK	TestCode: 8260_W	Units: µg/L	Prep Date:					RunNo: 3926		
Client ID: PBW	Batch ID: R3926	TestNo: SW8260B		Analysis Date: 4/25/2012					SeqNo: 52424		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
sec-Butylbenzene	ND	1.00									
Styrene	ND	1.00									
tert-Butylbenzene	ND	1.00									
Tetrachloroethene	ND	1.00									
Toluene	ND	1.00									
trans-1,2-Dichloroethene	ND	1.00									
trans-1,3-Dichloropropene	ND	1.00									
Trichloroethene	ND	1.00									
Trichlorofluoromethane	ND	1.00									
Vinyl chloride	ND	1.00									
Surr: 1,2-Dichloroethane-d4	100		100.0		100	72.2	129				
Surr: 4-Bromofluorobenzene	96.3		100.0		96.3	73.5	125				
Surr: Dibromofluoromethane	112		100.0		112	58.8	148				
Surr: Toluene-d8	103		100.0		103	79.8	137				

Sample ID: 1204191-001AMS	SampType: MS	TestCode: 8260_W	Units: µg/L	Prep Date:	RunNo: 3926						
Client ID: ZZZZZZ	Batch ID: R3926	TestNo: SW8260B		Analysis Date: 4/25/2012	SeqNo: 52433						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	40.4	1.00	40.00	0	101	51.4	176				
Benzene	39.6	0.300	40.00	5.380	85.6	71.5	118				
Chlorobenzene	35.2	1.00	40.00	0	88.0	79.8	114				
Toluene	41.6	1.00	40.00	9.050	81.3	79.6	121				
Trichloroethene	42.7	1.00	40.00	0	107	73.6	120				

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 8 of 15
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

WO#: 1204179

02-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: 8260_W

Sample ID: 1204191-001AMSD	SampType: MSD	TestCode: 8260_W	Units: µg/L	Prep Date:					RunNo: 3926		
Client ID: ZZZZZZ	Batch ID: R3926	TestNo: SW8260B	Analysis Date: 4/25/2012					SeqNo: 52434			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	39.4	1.00	40.00	0	98.5	51.4	176	40.43	2.61	20	
Benzene	42.0	0.300	40.00	5.380	91.4	71.5	118	39.63	5.69	20	
Chlorobenzene	40.0	1.00	40.00	0	100	79.8	114	35.21	12.7	20	
Toluene	44.7	1.00	40.00	9.050	89.2	79.6	121	41.56	7.32	20	
Trichloroethene	44.3	1.00	40.00	0	111	73.6	120	42.69	3.63	20	

Sample ID: CCV-3926	SampType: CCV	TestCode: 8260_W	Units: µg/L	Prep Date:	RunNo: 3926						
Client ID: CCV	Batch ID: R3926	TestNo: SW8260B		Analysis Date: 4/25/2012	SeqNo: 52435						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	41.4	1.00	40.00	0	104	80	120				
1,2-Dichloropropane	47.3	1.00	40.00	0	118	80	120				
Chloroform	46.3	1.00	40.00	0	116	80	120				
Ethylbenzene	41.2	1.00	40.00	0	103	80	120				
Toluene	46.3	1.00	40.00	0	116	80	120				
Vinyl chloride	43.8	1.00	40.00	0	110	80	120				

Sample ID: MBLK-3926	SampType: MBLK	TestCode: 8260_W	Units: µg/L	Prep Date:	RunNo: 3926						
Client ID: PBW	Batch ID: R3926	TestNo: SW8260B		Analysis Date: 4/25/2012	SeqNo: 52436						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	1.00									
1,1,1-Trichloroethane	ND	1.00									
1,1,2,2-Tetrachloroethane	ND	1.00									
1,1,2-Trichloroethane	ND	1.00									

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

QC SUMMARY REPORT

WO#: 1204179

02-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: 8260_W

Sample ID: MBLK-3926	SampType: MBLK	TestCode: 8260_W	Units: µg/L	Prep Date:	RunNo: 3926						
Client ID: PBW	Batch ID: R3926	TestNo: SW8260B		Analysis Date: 4/25/2012	SeqNo: 52436						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	ND	1.00									
1,1-Dichloroethene	ND	1.00									
1,1-Dichloropropene	ND	1.00									
1,2,3-Trichlorobenzene	ND	1.00									
1,2,3-Trichloropropane	ND	1.00									
1,2,4-Trichlorobenzene	ND	1.00									
1,2,4-Trimethylbenzene	ND	1.00									
1,2-Dibromo-3-chloropropane	ND	1.00									
1,2-Dibromoethane	ND	1.00									
1,2-Dichlorobenzene	ND	1.00									
1,2-Dichloroethane	ND	1.00									
1,2-Dichloropropane	ND	1.00									
1,3,5-Trimethylbenzene	ND	1.00									
1,3-Dichlorobenzene	ND	1.00									
1,3-Dichloropropane	ND	1.00									
1,4-Dichlorobenzene	ND	1.00									
2,2-Dichloropropane	ND	1.00									
2-Butanone	ND	10.0									
2-Chlorotoluene	ND	1.00									
2-Hexanone	ND	10.0									
4-Chlorotoluene	ND	1.00									
4-Isopropyltoluene	ND	1.00									
4-Methyl-2-pentanone	ND	20.0									
Acetone	ND	50.0									
Acrylonitrile	ND	5.00									
Benzene	ND	0.300									

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

QC SUMMARY REPORT

WO#: 1204179

02-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: 8260_W

Sample ID: MBLK-3926	SampType: MBLK	TestCode: 8260_W	Units: µg/L	Prep Date:					RunNo: 3926		
Client ID: PBW	Batch ID: R3926	TestNo: SW8260B	Analysis Date: 4/25/2012					SeqNo: 52436			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromobenzene	ND	1.00									
Bromochloromethane	ND	1.00									
Bromodichloromethane	ND	1.00									
Bromoform	ND	1.00									
Bromomethane	ND	1.00									
Carbon disulfide	ND	2.00									
Carbon tetrachloride	ND	1.00									
Chlorobenzene	ND	1.00									
Chloroethane	ND	1.00									
Chloroform	ND	1.00									
Chloromethane	ND	1.00									
cis-1,2-Dichloroethene	ND	1.00									
cis-1,3-Dichloropropene	ND	1.00									
Dibromochloromethane	ND	1.00									
Dibromomethane	ND	1.00									
Dichlorodifluoromethane	ND	1.00									
Ethylbenzene	ND	1.00									
Hexachlorobutadiene	ND	1.00									
Isopropylbenzene	ND	1.00									
m,p-Xylene	ND	2.00									
Methyl tert-butyl ether	ND	1.00									
Methylene chloride	ND	20.0									
Naphthalene	ND	1.00									
n-Butylbenzene	ND	1.00									
n-Propylbenzene	ND	1.00									
o-Xylene	ND	1.00									

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

QC SUMMARY REPORT

WO#: 1204179

02-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: 8260_W

Sample ID: MBLK-3926	SampType: MBLK	TestCode: 8260_W	Units: µg/L	Prep Date:					RunNo: 3926		
Client ID: PBW	Batch ID: R3926	TestNo: SW8260B	Analysis Date: 4/25/2012					SeqNo: 52436			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
sec-Butylbenzene	ND	1.00									
Styrene	ND	1.00									
tert-Butylbenzene	ND	1.00									
Tetrachloroethene	ND	1.00									
Toluene	ND	1.00									
trans-1,2-Dichloroethene	ND	1.00									
trans-1,3-Dichloropropene	ND	1.00									
Trichloroethene	ND	1.00									
Trichlorofluoromethane	ND	1.00									
Vinyl chloride	ND	1.00									
Surr: 1,2-Dichloroethane-d4	97.5		100.0		97.5	72.2	129				
Surr: 4-Bromofluorobenzene	100		100.0		100	73.5	125				
Surr: Dibromofluoromethane	105		100.0		105	58.8	148				
Surr: Toluene-d8	116		100.0		116	79.8	137				

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

QC SUMMARY REPORT

WO#: 1204179

02-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: HG_CT

Sample ID: MB-2415	SampType: MBLK	TestCode: HG_CT	Units: mg/L	Prep Date: 4/24/2012	RunNo: 3891
Client ID: PBW	Batch ID: 2415	TestNo: E7470A	E245.1	Analysis Date: 4/24/2012	SeqNo: 51945
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Mercury ND 0.00010

Sample ID: LCS-2415	SampType: LCS	TestCode: HG_CT	Units: mg/L	Prep Date: 4/24/2012	RunNo: 3891
Client ID: LCSW	Batch ID: 2415	TestNo: E7470A	E245.1	Analysis Date: 4/24/2012	SeqNo: 51946
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Mercury 0.00412 0.00010 0.004000 0 103 85.4 116

Sample ID: 1204179-001CDUP	SampType: DUP	TestCode: HG_CT	Units: mg/L	Prep Date: 4/24/2012	RunNo: 3891
Client ID: GP12-W-20.0	Batch ID: 2415	TestNo: E7470A	E245.1	Analysis Date: 4/24/2012	SeqNo: 51948
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Mercury ND 0.00010 0 0 20

Sample ID: 1204179-001CMS	SampType: MS	TestCode: HG_CT	Units: mg/L	Prep Date: 4/24/2012	RunNo: 3891
Client ID: GP12-W-20.0	Batch ID: 2415	TestNo: E7470A	E245.1	Analysis Date: 4/24/2012	SeqNo: 51949
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Mercury 0.00327 0.00010 0.004000 0 81.8 69.5 125

Sample ID: 1204179-001CMSD	SampType: MSD	TestCode: HG_CT	Units: mg/L	Prep Date: 4/24/2012	RunNo: 3891
Client ID: GP12-W-20.0	Batch ID: 2415	TestNo: E7470A	E245.1	Analysis Date: 4/24/2012	SeqNo: 51950
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Mercury 0.00326 0.00010 0.004000 0 81.4 69.5 125 0.003273 0.521 20

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 13 of 15
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

WO#: 1204179

02-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: HG_CT

Sample ID: CCV		SampType: CCV		TestCode: HG_CT		Units: mg/L		Prep Date:			RunNo: 3891		
Client ID: CCV		Batch ID: 2415		TestNo: E7470A		E245.1		Analysis Date: 4/24/2012			SeqNo: 51962		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00428	0.00010	0.004000	0	107	90	110				

Sample ID: CCV		SampType: CCV		TestCode: HG_CT		Units: mg/L		Prep Date:			RunNo: 3891		
Client ID: CCV		Batch ID: 2415		TestNo: E7470A		E245.1		Analysis Date: 4/24/2012			SeqNo: 51963		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00411	0.00010	0.004000	0	103	90	110				

QC SUMMARY REPORT

WO#: 1204179

02-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: NWTPHHCID_W

Sample ID: MB-2329	SampType: MBLK	TestCode: NWTPHHCID	Units: mg/L	Prep Date: 4/13/2012	RunNo: 3851						
Client ID: PBW	Batch ID: 2386	TestNo: NWHCID	HCID_W	Analysis Date: 4/20/2012	SeqNo: 51485						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	ND	0.630									
Gasoline	ND	0.250									
Kerosene	ND	0.630									
Lube Oil	ND	0.630									
Mineral Spirits	ND	0.250									
Surr: BFB	0.835		1.000		83.5	30.2	133				
Surr: o-Terphenyl	0.981		1.000		98.1	50	150				

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

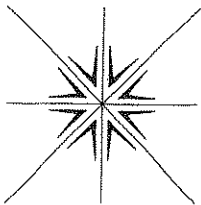
ND Not Detected at the Reporting Limit

KEY TO FLAGS

Rev. May 12, 2010

- A This sample contains a Gasoline Range Organic not identified as a specific hydrocarbon product. The result was quantified against gasoline calibration standards
- A1 This sample contains a Diesel Range Organic not identified as a specific hydrocarbon product. The result was quantified against diesel calibration standards.
- A2 This sample contains a Lube Oil Range Organic not identified as a specific hydrocarbon product. The result was quantified against a lube oil calibration standard.
- A3 The result was determined to be Non-Detect based on hydrocarbon pattern recognition. The product was carry-over from another hydrocarbon type.
- A4 The product appears to be aged or degraded diesel.
- B The blank exhibited a positive result great than the reporting limit for this compound.
- CN See Case Narrative.
- D Result is based from a dilution.
- E Result exceeds the calibration range for this compound. The result should be considered as estimate.
- F The positive result for this hydrocarbon is due to single component contamination. The product does not match any hydrocarbon in the fuels library.
- G Result may be biased high due to biogenic interferences. Clean up is recommended.
- H Sample was analyzed outside recommended holding time.
- HT At clients request, samples was analyzed outside of recommended holding time.
- J The result for this analyte is between the MDL and the PQL and should be considered as estimated concentration.
- K Diesel result is biased high due to amount of Oil contained in the sample.
- L Diesel result is biased high due to amount of Gasoline contained in the sample.
- M Oil result is biased high due to amount of Diesel contained in the sample.
- MC Sample concentration is greater than 4x the spiked value, the spiked value is considered insignificant.
- MI Result is outside control limits due to matrix interference.
- MSA Value determined by Method of Standard Addition.
- O Laboratory Control Standard (LCS) exceeded laboratory control limits, but meets CCV criteria. Data meets EPA requirements.
- Q Detection levels elevated due to sample matrix.
- R RPD control limits were exceeded.
- RF Duplicate failed due to result being at or near the method-reporting limit.
- RP Matrix spike values exceed established QC limits; post digestion spike is in control.
- S Recovery is outside control limits.
- SC Closing CCV or LCS exceeded high recovery control limits, but associated samples are non-detect. Data meets EPA requirements.
- * The result for this parameter was greater than the maximum contaminant level of the TCLP regulatory limit.

Page of



11711 SE Capps Road
Clackamas, OR 97015
Phone: 503-607-1331
Fax: 503-607-1336

Company MTD

Address 1100 East Mill Pkwy Suite 400

VANCOUVER, WA 98160

Phone 360-1094-2691 Fax 360-706-1958

Project No. 05104.01.c3 T01 Project Name 32nd STREET

Project Site Location OR WA Other _____

Invoice To SAME P.O. No. _____

Signature_____

Printed _____

Signature David C. Gandy

Printed Luisy Cassa

☐ Normal 5-7 Business Days☐ Rush _____

Specify

Rush Analyses Must Be Scheduled With The Lab In Advance

Analyses

For Laboratory Use

Lab Job No. 1204179

Shipped Via _____

Air Bill No. _____

Temperature On Receipt _____ °C

Specialty Analytical Containers? Y / N

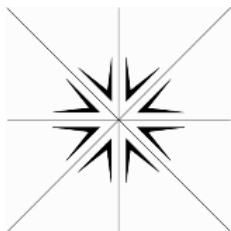
Specialty Analytical Trip Blanks? Y / N

[illegible]

Copies: White-Original

Yellow-Project File

Pink-Customer Copy



Specialty Analytical

11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

May 10, 2012

Christina Johnson
Maul Foster & Alongi
400 E. Mill Plain Blvd.
Suite 400
Vancouver, Washington 98660
TEL: (360) 694-2691
FAX: (360) 906-1958
RE: 32nd Street / 0564.01.03T01

Dear Christina Johnson:

Order No.: 1204192

Specialty Analytical received 11 sample(s) on 4/20/2012 for the analyses presented in the following report.

There were no problems with the analysis and all data for associated QC met EPA or laboratory specifications, except where noted in the Case Narrative, or as qualified with flags. Results apply only to the samples analyzed. Without approval of the laboratory, the reproduction of this report is only permitted in its entirety.

If you have any questions regarding these tests, please feel free to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Marty French". The signature is stylized with a cursive-like flow.

Marty French
Lab Director

Specialty Analytical

Date Reported: 10-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01
Lab ID: 1204192-001
Client Sample ID: GP14-S-8.5

Collection Date: 4/19/2012 3:30:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID				Analyst: kbh
Gasoline	ND	25.1		mg/Kg-dry	1	4/26/2012 11:53:00 AM
Mineral Spirits	ND	25.1		mg/Kg-dry	1	4/26/2012 11:53:00 AM
Kerosene	ND	62.7		mg/Kg-dry	1	4/26/2012 11:53:00 AM
Diesel	DIESEL	62.7		mg/Kg-dry	1	4/26/2012 11:53:00 AM
Lube Oil	OIL	125		mg/Kg-dry	1	4/26/2012 11:53:00 AM
Surr: BFB	101	50-150		%REC	1	4/26/2012 11:53:00 AM
Surr: o-Terphenyl	116	50-150		%REC	1	4/26/2012 11:53:00 AM
NWTPH-DX		NWTPH-DX				Analyst: kbh
Diesel	80.6	18.8	A2	mg/Kg-dry	1	4/25/2012 3:40:00 PM
Lube Oil	206	62.7		mg/Kg-dry	1	4/25/2012 3:40:00 PM
Surr: o-Terphenyl	96.3	50-150		%REC	1	4/25/2012 3:40:00 PM
RCRA_8		SW6010C				Analyst: CT
Arsenic	ND	2.51		mg/Kg-dry	1	4/23/2012 5:11:00 PM
Barium	281	1.25		mg/Kg-dry	1	4/23/2012 5:11:00 PM
Cadmium	ND	0.125		mg/Kg-dry	1	4/23/2012 5:11:00 PM
Chromium	21.1	0.627		mg/Kg-dry	1	4/23/2012 5:11:00 PM
Lead	26.0	2.51		mg/Kg-dry	1	4/23/2012 5:11:00 PM
Selenium	ND	2.51		mg/Kg-dry	1	4/23/2012 5:11:00 PM
Silver	ND	2.51		mg/Kg-dry	1	4/23/2012 5:11:00 PM
RCRA_8		SW 7471B				Analyst: CT
Mercury	0.0384	0.0165		mg/Kg-dry	1	4/23/2012
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
1,1,1,2-Tetrachloroethane	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
1,1,1-Trichloroethane	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
1,1,2,2-Tetrachloroethane	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
1,1,2-Trichloroethane	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
1,1-Dichloroethane	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
1,1-Dichloroethene	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
1,1-Dichloropropene	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
1,2,3-Trichlorobenzene	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
1,2,3-Trichloropropane	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
1,2,4-Trichlorobenzene	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
1,2,4-Trimethylbenzene	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
1,2-Dibromo-3-chloropropane	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
1,2-Dibromoethane	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM

Specialty Analytical

Date Reported: 10-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01
Lab ID: 1204192-001
Client Sample ID: GP14-S-8.5

Collection Date: 4/19/2012 3:30:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
1,2-Dichlorobenzene	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
1,2-Dichloroethane	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
1,2-Dichloropropane	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
1,3,5-Trimethylbenzene	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
1,3-Dichlorobenzene	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
1,3-Dichloropropane	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
1,4-Dichlorobenzene	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
2,2-Dichloropropane	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
2-Butanone	ND	1,800	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
2-Chlorotoluene	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
2-Hexanone	ND	898	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
4-Chlorotoluene	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
4-Isopropyltoluene	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
4-Methyl-2-pentanone	ND	1,800	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
Acetone	ND	4,490	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
Benzene	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
Bromobenzene	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
Bromochloromethane	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
Bromodichloromethane	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
Bromoform	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
Bromomethane	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
Carbon Disulfide	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
Carbon tetrachloride	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
Chlorobenzene	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
Chloroethane	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
Chloroform	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
Chloromethane	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
cis-1,2-Dichloroethene	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
cis-1,3-Dichloropropene	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
Dibromochloromethane	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
Dibromomethane	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
Dichlorodifluoromethane	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
Ethylbenzene	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
Hexachlorobutadiene	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
Isopropylbenzene	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
m,p-Xylene	ND	898	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
Methyl tert-butyl ether	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
Methylene Chloride	ND	2,240	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
Naphthalene	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM

Specialty Analytical

Date Reported: 10-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01
Lab ID: 1204192-001
Client Sample ID: GP14-S-8.5

Collection Date: 4/19/2012 3:30:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
n-Butylbenzene	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
n-Propylbenzene	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
o-Xylene	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
sec-Butylbenzene	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
Styrene	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
tert-Butylbenzene	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
Tetrachloroethene	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
Toluene	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
trans-1,2-Dichloroethene	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
trans-1,3-Dichloropropene	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
Trichloroethene	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
Trichlorofluoromethane	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
Vinyl Chloride	ND	449	Q	µg/Kg-dry	50	4/26/2012 11:35:00 AM
Surr: 1,2-Dichloroethane-d4	94.0	71.5-112		%REC	50	4/26/2012 11:35:00 AM
Surr: 4-Bromofluorobenzene	93.0	75.7-122		%REC	50	4/26/2012 11:35:00 AM
Surr: Dibromofluoromethane	105	64.3-124		%REC	50	4/26/2012 11:35:00 AM
Surr: Toluene-d8	103	74.9-120		%REC	50	4/26/2012 11:35:00 AM

Specialty Analytical

Date Reported: 10-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01
Lab ID: 1204192-002
Client Sample ID: GP15-S-7.5

Collection Date: 4/19/2012 2:00:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST		PER CLIENT				Analyst: knb
Hold	Hold	0			1	5/10/2012 4:20:47 PM

Specialty Analytical

Date Reported: 10-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01
Lab ID: 1204192-003
Client Sample ID: GP14-S-4.0

Collection Date: 4/19/2012 3:00:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID		Analyst: kbh		
Gasoline	ND	25.1		mg/Kg-dry	1	4/26/2012 11:53:00 AM
Mineral Spirits	ND	25.1		mg/Kg-dry	1	4/26/2012 11:53:00 AM
Kerosene	ND	62.7		mg/Kg-dry	1	4/26/2012 11:53:00 AM
Diesel	ND	62.7		mg/Kg-dry	1	4/26/2012 11:53:00 AM
Lube Oil	ND	125		mg/Kg-dry	1	4/26/2012 11:53:00 AM
Surr: BFB	95.9	50-150		%REC	1	4/26/2012 11:53:00 AM
Surr: o-Terphenyl	100	50-150		%REC	1	4/26/2012 11:53:00 AM
RCRA_8		SW6010C		Analyst: CT		
Arsenic	2.14	2.02		mg/Kg-dry	1	4/23/2012 5:20:15 PM
Barium	206	1.01		mg/Kg-dry	1	4/23/2012 5:20:15 PM
Cadmium	0.101	0.101		mg/Kg-dry	1	4/23/2012 5:20:15 PM
Chromium	23.3	0.506		mg/Kg-dry	1	4/23/2012 5:20:15 PM
Lead	124	2.02		mg/Kg-dry	1	4/23/2012 5:20:15 PM
Selenium	ND	2.02		mg/Kg-dry	1	4/23/2012 5:20:15 PM
Silver	ND	2.02		mg/Kg-dry	1	4/23/2012 5:20:15 PM
RCRA_8		SW 7471B		Analyst: CT		
Mercury	0.0587	0.0175		mg/Kg-dry	1	4/23/2012
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B		Analyst: ajr		
1,1,1,2-Tetrachloroethane	ND	9.21		µg/Kg-dry	1	4/25/2012 3:25:00 PM
1,1,1-Trichloroethane	ND	460	Q	µg/Kg-dry	50	4/26/2012 12:02:00 PM
1,1,2,2-Tetrachloroethane	ND	9.21		µg/Kg-dry	1	4/25/2012 3:25:00 PM
1,1,2-Trichloroethane	ND	9.21		µg/Kg-dry	1	4/25/2012 3:25:00 PM
1,1-Dichloroethane	ND	460	Q	µg/Kg-dry	50	4/26/2012 12:02:00 PM
1,1-Dichloroethene	ND	460	Q	µg/Kg-dry	50	4/26/2012 12:02:00 PM
1,1-Dichloropropene	ND	460	Q	µg/Kg-dry	50	4/26/2012 12:02:00 PM
1,2,3-Trichlorobenzene	ND	9.21		µg/Kg-dry	1	4/25/2012 3:25:00 PM
1,2,3-Trichloropropane	ND	9.21		µg/Kg-dry	1	4/25/2012 3:25:00 PM
1,2,4-Trichlorobenzene	ND	9.21		µg/Kg-dry	1	4/25/2012 3:25:00 PM
1,2,4-Trimethylbenzene	ND	9.21		µg/Kg-dry	1	4/25/2012 3:25:00 PM
1,2-Dibromo-3-chloropropane	ND	9.21		µg/Kg-dry	1	4/25/2012 3:25:00 PM
1,2-Dibromoethane	ND	9.21		µg/Kg-dry	1	4/25/2012 3:25:00 PM
1,2-Dichlorobenzene	ND	9.21		µg/Kg-dry	1	4/25/2012 3:25:00 PM
1,2-Dichloroethane	ND	460	Q	µg/Kg-dry	50	4/26/2012 12:02:00 PM
1,2-Dichloropropane	ND	460	Q	µg/Kg-dry	50	4/26/2012 12:02:00 PM
1,3,5-Trimethylbenzene	ND	9.21		µg/Kg-dry	1	4/25/2012 3:25:00 PM
1,3-Dichlorobenzene	ND	9.21		µg/Kg-dry	1	4/25/2012 3:25:00 PM

Specialty Analytical

Date Reported: 10-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01
Lab ID: 1204192-003
Client Sample ID: GP14-S-4.0

Collection Date: 4/19/2012 3:00:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
1,3-Dichloropropane	ND	9.21		µg/Kg-dry	1	4/25/2012 3:25:00 PM
1,4-Dichlorobenzene	ND	9.21		µg/Kg-dry	1	4/25/2012 3:25:00 PM
2,2-Dichloropropane	ND	460	Q	µg/Kg-dry	50	4/26/2012 12:02:00 PM
2-Butanone	ND	36.8		µg/Kg-dry	1	4/25/2012 3:25:00 PM
2-Chlorotoluene	ND	9.21		µg/Kg-dry	1	4/25/2012 3:25:00 PM
2-Hexanone	ND	18.4		µg/Kg-dry	1	4/25/2012 3:25:00 PM
4-Chlorotoluene	ND	9.21		µg/Kg-dry	1	4/25/2012 3:25:00 PM
4-Isopropyltoluene	ND	9.21		µg/Kg-dry	1	4/25/2012 3:25:00 PM
4-Methyl-2-pentanone	ND	36.8		µg/Kg-dry	1	4/25/2012 3:25:00 PM
Acetone	ND	4,600	Q	µg/Kg-dry	50	4/26/2012 12:02:00 PM
Benzene	ND	460	Q	µg/Kg-dry	50	4/26/2012 12:02:00 PM
Bromobenzene	ND	9.21		µg/Kg-dry	1	4/25/2012 3:25:00 PM
Bromochloromethane	ND	460	Q	µg/Kg-dry	50	4/26/2012 12:02:00 PM
Bromodichloromethane	ND	460	Q	µg/Kg-dry	50	4/26/2012 12:02:00 PM
Bromoform	ND	9.21		µg/Kg-dry	1	4/25/2012 3:25:00 PM
Bromomethane	ND	460	Q	µg/Kg-dry	50	4/26/2012 12:02:00 PM
Carbon Disulfide	ND	460	Q	µg/Kg-dry	50	4/26/2012 12:02:00 PM
Carbon tetrachloride	ND	460	Q	µg/Kg-dry	50	4/26/2012 12:02:00 PM
Chlorobenzene	ND	9.21		µg/Kg-dry	1	4/25/2012 3:25:00 PM
Chloroethane	ND	460	Q	µg/Kg-dry	50	4/26/2012 12:02:00 PM
Chloroform	ND	460	Q	µg/Kg-dry	50	4/26/2012 12:02:00 PM
Chloromethane	ND	460	Q	µg/Kg-dry	50	4/26/2012 12:02:00 PM
cis-1,2-Dichloroethene	ND	460	Q	µg/Kg-dry	50	4/26/2012 12:02:00 PM
cis-1,3-Dichloropropene	ND	460	Q	µg/Kg-dry	50	4/26/2012 12:02:00 PM
Dibromochloromethane	ND	9.21		µg/Kg-dry	1	4/25/2012 3:25:00 PM
Dibromomethane	ND	460	Q	µg/Kg-dry	50	4/26/2012 12:02:00 PM
Dichlorodifluoromethane	ND	460	Q	µg/Kg-dry	50	4/26/2012 12:02:00 PM
Ethylbenzene	ND	9.21		µg/Kg-dry	1	4/25/2012 3:25:00 PM
Hexachlorobutadiene	ND	9.21		µg/Kg-dry	1	4/25/2012 3:25:00 PM
Isopropylbenzene	ND	9.21		µg/Kg-dry	1	4/25/2012 3:25:00 PM
m,p-Xylene	ND	18.4		µg/Kg-dry	1	4/25/2012 3:25:00 PM
Methyl tert-butyl ether	ND	460	Q	µg/Kg-dry	50	4/26/2012 12:02:00 PM
Methylene Chloride	ND	2,300	Q	µg/Kg-dry	50	4/26/2012 12:02:00 PM
Naphthalene	ND	9.21		µg/Kg-dry	1	4/25/2012 3:25:00 PM
n-Butylbenzene	ND	9.21		µg/Kg-dry	1	4/25/2012 3:25:00 PM
n-Propylbenzene	ND	9.21		µg/Kg-dry	1	4/25/2012 3:25:00 PM
o-Xylene	ND	9.21		µg/Kg-dry	1	4/25/2012 3:25:00 PM
sec-Butylbenzene	ND	9.21		µg/Kg-dry	1	4/25/2012 3:25:00 PM
Styrene	ND	9.21		µg/Kg-dry	1	4/25/2012 3:25:00 PM

Specialty Analytical

Date Reported: 10-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01
Lab ID: 1204192-003
Client Sample ID: GP14-S-4.0

Collection Date: 4/19/2012 3:00:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
tert-Butylbenzene	ND	9.21		µg/Kg-dry	1	4/25/2012 3:25:00 PM
Tetrachloroethene	ND	9.21		µg/Kg-dry	1	4/25/2012 3:25:00 PM
Toluene	ND	9.21		µg/Kg-dry	1	4/25/2012 3:25:00 PM
trans-1,2-Dichloroethene	ND	460	Q	µg/Kg-dry	50	4/26/2012 12:02:00 PM
trans-1,3-Dichloropropene	ND	9.21		µg/Kg-dry	1	4/25/2012 3:25:00 PM
Trichloroethene	ND	460	Q	µg/Kg-dry	50	4/26/2012 12:02:00 PM
Trichlorofluoromethane	ND	460	Q	µg/Kg-dry	50	4/26/2012 12:02:00 PM
Vinyl Chloride	ND	460	Q	µg/Kg-dry	50	4/26/2012 12:02:00 PM
Surr: 1,2-Dichloroethane-d4	113	71.5-112	S	%REC	1	4/25/2012 3:25:00 PM
Surr: 4-Bromofluorobenzene	95.1	75.7-122		%REC	1	4/25/2012 3:25:00 PM
Surr: Dibromofluoromethane	125	64.3-124	S	%REC	1	4/25/2012 3:25:00 PM
Surr: Toluene-d8	93.6	74.9-120		%REC	1	4/25/2012 3:25:00 PM

Specialty Analytical

Date Reported: 10-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01
Lab ID: 1204192-004
Client Sample ID: GP15-S-4.5

Collection Date: 4/19/2012 1:45:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID				Analyst: kbh
Gasoline	ND	27.0		mg/Kg-dry	1	4/26/2012 11:53:00 AM
Mineral Spirits	ND	27.0		mg/Kg-dry	1	4/26/2012 11:53:00 AM
Kerosene	ND	67.4		mg/Kg-dry	1	4/26/2012 11:53:00 AM
Diesel	ND	67.4		mg/Kg-dry	1	4/26/2012 11:53:00 AM
Lube Oil	ND	135		mg/Kg-dry	1	4/26/2012 11:53:00 AM
Surr: BFB	92.4	50-150		%REC	1	4/26/2012 11:53:00 AM
Surr: o-Terphenyl	91.0	50-150		%REC	1	4/26/2012 11:53:00 AM
RCRA_8		SW6010C				Analyst: CT
Arsenic	6.57	2.50		mg/Kg-dry	1	4/23/2012 5:25:00 PM
Barium	184	1.25		mg/Kg-dry	1	4/23/2012 5:25:00 PM
Cadmium	ND	0.125		mg/Kg-dry	1	4/23/2012 5:25:00 PM
Chromium	20.9	0.624		mg/Kg-dry	1	4/23/2012 5:25:00 PM
Lead	4.32	2.50		mg/Kg-dry	1	4/23/2012 5:25:00 PM
Selenium	ND	2.50		mg/Kg-dry	1	4/23/2012 5:25:00 PM
Silver	ND	2.50		mg/Kg-dry	1	4/23/2012 5:25:00 PM
RCRA_8		SW 7471B				Analyst: CT
Mercury	0.0325	0.0211		mg/Kg-dry	1	4/23/2012
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
1,1,1,2-Tetrachloroethane	ND	562	Q	µg/Kg-dry	50	4/26/2012 12:29:00 PM
1,1,1-Trichloroethane	ND	11.2		µg/Kg-dry	1	4/25/2012 3:52:00 PM
1,1,2,2-Tetrachloroethane	12.9	11.2		µg/Kg-dry	1	4/25/2012 3:52:00 PM
1,1,2-Trichloroethane	ND	11.2		µg/Kg-dry	1	4/25/2012 3:52:00 PM
1,1-Dichloroethane	ND	11.2		µg/Kg-dry	1	4/25/2012 3:52:00 PM
1,1-Dichloroethene	ND	11.2		µg/Kg-dry	1	4/25/2012 3:52:00 PM
1,1-Dichloropropene	ND	11.2		µg/Kg-dry	1	4/25/2012 3:52:00 PM
1,2,3-Trichlorobenzene	ND	562	Q	µg/Kg-dry	50	4/26/2012 12:29:00 PM
1,2,3-Trichloropropane	ND	562	Q	µg/Kg-dry	50	4/26/2012 12:29:00 PM
1,2,4-Trichlorobenzene	ND	11.2		µg/Kg-dry	1	4/25/2012 3:52:00 PM
1,2,4-Trimethylbenzene	ND	562	Q	µg/Kg-dry	50	4/26/2012 12:29:00 PM
1,2-Dibromo-3-chloropropane	ND	562	Q	µg/Kg-dry	50	4/26/2012 12:29:00 PM
1,2-Dibromoethane	ND	11.2		µg/Kg-dry	1	4/25/2012 3:52:00 PM
1,2-Dichlorobenzene	ND	562	Q	µg/Kg-dry	50	4/26/2012 12:29:00 PM
1,2-Dichloroethane	ND	11.2		µg/Kg-dry	1	4/25/2012 3:52:00 PM
1,2-Dichloropropane	ND	11.2		µg/Kg-dry	1	4/25/2012 3:52:00 PM
1,3,5-Trimethylbenzene	ND	562	Q	µg/Kg-dry	50	4/26/2012 12:29:00 PM
1,3-Dichlorobenzene	ND	562	Q	µg/Kg-dry	50	4/26/2012 12:29:00 PM

Specialty Analytical

Date Reported: 10-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01
Lab ID: 1204192-004
Client Sample ID: GP15-S-4.5

Collection Date: 4/19/2012 1:45:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
1,3-Dichloropropane	ND	11.2		µg/Kg-dry	1	4/25/2012 3:52:00 PM
1,4-Dichlorobenzene	ND	562	Q	µg/Kg-dry	50	4/26/2012 12:29:00 PM
2,2-Dichloropropane	ND	11.2		µg/Kg-dry	1	4/25/2012 3:52:00 PM
2-Butanone	ND	45.0		µg/Kg-dry	1	4/25/2012 3:52:00 PM
2-Chlorotoluene	ND	562	Q	µg/Kg-dry	50	4/26/2012 12:29:00 PM
2-Hexanone	ND	22.5		µg/Kg-dry	1	4/25/2012 3:52:00 PM
4-Chlorotoluene	ND	562	Q	µg/Kg-dry	50	4/26/2012 12:29:00 PM
4-Isopropyltoluene	ND	562	Q	µg/Kg-dry	50	4/26/2012 12:29:00 PM
4-Methyl-2-pentanone	ND	45.0		µg/Kg-dry	1	4/25/2012 3:52:00 PM
Acetone	ND	112		µg/Kg-dry	1	4/25/2012 3:52:00 PM
Benzene	ND	11.2		µg/Kg-dry	1	4/25/2012 3:52:00 PM
Bromobenzene	ND	562	Q	µg/Kg-dry	50	4/26/2012 12:29:00 PM
Bromochloromethane	ND	11.2		µg/Kg-dry	1	4/25/2012 3:52:00 PM
Bromodichloromethane	ND	11.2		µg/Kg-dry	1	4/25/2012 3:52:00 PM
Bromoform	ND	11.2		µg/Kg-dry	1	4/25/2012 3:52:00 PM
Bromomethane	ND	11.2		µg/Kg-dry	1	4/25/2012 3:52:00 PM
Carbon Disulfide	ND	11.2		µg/Kg-dry	1	4/25/2012 3:52:00 PM
Carbon tetrachloride	ND	11.2		µg/Kg-dry	1	4/25/2012 3:52:00 PM
Chlorobenzene	ND	11.2		µg/Kg-dry	1	4/25/2012 3:52:00 PM
Chloroethane	ND	11.2		µg/Kg-dry	1	4/25/2012 3:52:00 PM
Chloroform	ND	11.2		µg/Kg-dry	1	4/25/2012 3:52:00 PM
Chloromethane	ND	11.2		µg/Kg-dry	1	4/25/2012 3:52:00 PM
cis-1,2-Dichloroethene	ND	11.2		µg/Kg-dry	1	4/25/2012 3:52:00 PM
cis-1,3-Dichloropropene	ND	11.2		µg/Kg-dry	1	4/25/2012 3:52:00 PM
Dibromochloromethane	ND	11.2		µg/Kg-dry	1	4/25/2012 3:52:00 PM
Dibromomethane	ND	11.2		µg/Kg-dry	1	4/25/2012 3:52:00 PM
Dichlorodifluoromethane	ND	11.2		µg/Kg-dry	1	4/25/2012 3:52:00 PM
Ethylbenzene	ND	11.2		µg/Kg-dry	1	4/25/2012 3:52:00 PM
Hexachlorobutadiene	ND	562	Q	µg/Kg-dry	50	4/26/2012 12:29:00 PM
Isopropylbenzene	ND	11.2		µg/Kg-dry	1	4/25/2012 3:52:00 PM
m,p-Xylene	ND	22.5		µg/Kg-dry	1	4/25/2012 3:52:00 PM
Methyl tert-butyl ether	ND	11.2		µg/Kg-dry	1	4/25/2012 3:52:00 PM
Methylene Chloride	ND	56.2		µg/Kg-dry	1	4/25/2012 3:52:00 PM
Naphthalene	ND	562	Q	µg/Kg-dry	50	4/26/2012 12:29:00 PM
n-Butylbenzene	ND	562	Q	µg/Kg-dry	50	4/26/2012 12:29:00 PM
n-Propylbenzene	ND	562	Q	µg/Kg-dry	50	4/26/2012 12:29:00 PM
o-Xylene	ND	11.2		µg/Kg-dry	1	4/25/2012 3:52:00 PM
sec-Butylbenzene	ND	562	Q	µg/Kg-dry	50	4/26/2012 12:29:00 PM
Styrene	ND	11.2		µg/Kg-dry	1	4/25/2012 3:52:00 PM

Specialty Analytical

Date Reported: 10-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01
Lab ID: 1204192-004
Client Sample ID: GP15-S-4.5

Collection Date: 4/19/2012 1:45:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
tert-Butylbenzene	ND	562	Q	µg/Kg-dry	50	4/26/2012 12:29:00 PM
Tetrachloroethene	ND	11.2		µg/Kg-dry	1	4/25/2012 3:52:00 PM
Toluene	ND	11.2		µg/Kg-dry	1	4/25/2012 3:52:00 PM
trans-1,2-Dichloroethene	ND	11.2		µg/Kg-dry	1	4/25/2012 3:52:00 PM
trans-1,3-Dichloropropene	ND	11.2		µg/Kg-dry	1	4/25/2012 3:52:00 PM
Trichloroethene	ND	11.2		µg/Kg-dry	1	4/25/2012 3:52:00 PM
Trichlorofluoromethane	ND	11.2		µg/Kg-dry	1	4/25/2012 3:52:00 PM
Vinyl Chloride	ND	11.2		µg/Kg-dry	1	4/25/2012 3:52:00 PM
Surr: 1,2-Dichloroethane-d4	117	71.5-112	S	%REC	1	4/25/2012 3:52:00 PM
Surr: 4-Bromofluorobenzene	89.0	75.7-122		%REC	1	4/25/2012 3:52:00 PM
Surr: Dibromofluoromethane	116	64.3-124		%REC	1	4/25/2012 3:52:00 PM
Surr: Toluene-d8	103	74.9-120		%REC	1	4/25/2012 3:52:00 PM

Specialty Analytical

Date Reported: 10-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01
Lab ID: 1204192-005
Client Sample ID: GP15-S-2.0

Collection Date: 4/19/2012 1:30:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID				Analyst: kbh
Gasoline	ND	23.9		mg/Kg-dry	1	4/26/2012 11:53:00 AM
Mineral Spirits	ND	23.9		mg/Kg-dry	1	4/26/2012 11:53:00 AM
Kerosene	ND	59.9		mg/Kg-dry	1	4/26/2012 11:53:00 AM
Diesel	DIESEL	59.9		mg/Kg-dry	1	4/26/2012 11:53:00 AM
Lube Oil	OIL	120		mg/Kg-dry	1	4/26/2012 11:53:00 AM
Surr: BFB	97.7	50-150		%REC	1	4/26/2012 11:53:00 AM
Surr: o-Terphenyl	131	50-150		%REC	1	4/26/2012 11:53:00 AM
NWTPH-DX		NWTPH-DX				Analyst: kbh
Diesel	669	18.0	A1	mg/Kg-dry	1	4/25/2012 3:40:00 PM
Lube Oil	2,850	299		mg/Kg-dry	5	4/26/2012 3:40:00 PM
Surr: o-Terphenyl	170	50-150	SMI	%REC	1	4/25/2012 3:40:00 PM
RCRA_8		SW6010C				Analyst: CT
Arsenic	2.19	2.06		mg/Kg-dry	1	4/23/2012 5:52:48 PM
Barium	185	1.03		mg/Kg-dry	1	4/23/2012 5:52:48 PM
Cadmium	0.454	0.103		mg/Kg-dry	1	4/23/2012 5:52:48 PM
Chromium	22.1	0.516		mg/Kg-dry	1	4/23/2012 5:52:48 PM
Lead	51.8	2.06		mg/Kg-dry	1	4/23/2012 5:52:48 PM
Selenium	ND	2.06		mg/Kg-dry	1	4/23/2012 5:52:48 PM
Silver	ND	2.06		mg/Kg-dry	1	4/23/2012 5:52:48 PM
RCRA_8		SW 7471B				Analyst: CT
Mercury	0.0478	0.0167		mg/Kg-dry	1	4/23/2012
PAH'S BY GC/MS - LOW LEVEL		SW8270D				Analyst: bda
1-Methylnaphthalene	10.4	7.98		µg/Kg-dry	1	5/4/2012 8:43:00 AM
2-Methylnaphthalene	15.2	7.98		µg/Kg-dry	1	5/4/2012 8:43:00 AM
Acenaphthene	ND	7.98		µg/Kg-dry	1	5/4/2012 8:43:00 AM
Acenaphthylene	15.2	7.98		µg/Kg-dry	1	5/4/2012 8:43:00 AM
Anthracene	ND	7.98		µg/Kg-dry	1	5/4/2012 8:43:00 AM
Benz(a)anthracene	ND	7.98		µg/Kg-dry	1	5/4/2012 8:43:00 AM
Benzo(a)pyrene	ND	7.98		µg/Kg-dry	1	5/4/2012 8:43:00 AM
Benzo(b)fluoranthene	ND	7.98		µg/Kg-dry	1	5/4/2012 8:43:00 AM
Benzo(g,h,i)perylene	ND	7.98		µg/Kg-dry	1	5/4/2012 8:43:00 AM
Benzo(k)fluoranthene	ND	7.98		µg/Kg-dry	1	5/4/2012 8:43:00 AM
Chrysene	ND	7.98		µg/Kg-dry	1	5/4/2012 8:43:00 AM
Dibenz(a,h)anthracene	ND	7.98		µg/Kg-dry	1	5/4/2012 8:43:00 AM
Fluoranthene	54.3	7.98		µg/Kg-dry	1	5/4/2012 8:43:00 AM

Specialty Analytical

Date Reported: 10-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01
Lab ID: 1204192-005
Client Sample ID: GP15-S-2.0

Collection Date: 4/19/2012 1:30:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PAH'S BY GC/MS - LOW LEVEL		SW8270D				Analyst: bda
Fluorene	ND	7.98		µg/Kg-dry	1	5/4/2012 8:43:00 AM
Indeno(1,2,3-cd)pyrene	ND	7.98		µg/Kg-dry	1	5/4/2012 8:43:00 AM
Naphthalene	12.8	7.98		µg/Kg-dry	1	5/4/2012 8:43:00 AM
Phenanthrene	22.3	7.98		µg/Kg-dry	1	5/4/2012 8:43:00 AM
Pyrene	71.8	7.98		µg/Kg-dry	1	5/4/2012 8:43:00 AM
Surr: 2-Fluorobiphenyl	72.7	42.6-128		%REC	1	5/4/2012 8:43:00 AM
Surr: Nitrobenzene-d5	79.2	21.7-155		%REC	1	5/4/2012 8:43:00 AM
Surr: p-Terphenyl-d14	81.7	44.9-155		%REC	1	5/4/2012 8:43:00 AM
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
1,1,1,2-Tetrachloroethane	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
1,1,1-Trichloroethane	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
1,1,2,2-Tetrachloroethane	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
1,1,2-Trichloroethane	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
1,1-Dichloroethane	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
1,1-Dichloroethene	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
1,1-Dichloropropene	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
1,2,3-Trichlorobenzene	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
1,2,3-Trichloropropane	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
1,2,4-Trichlorobenzene	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
1,2,4-Trimethylbenzene	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
1,2-Dibromo-3-chloropropane	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
1,2-Dibromoethane	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
1,2-Dichlorobenzene	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
1,2-Dichloroethane	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
1,2-Dichloropropane	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
1,3,5-Trimethylbenzene	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
1,3-Dichlorobenzene	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
1,3-Dichloropropane	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
1,4-Dichlorobenzene	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
2,2-Dichloropropane	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
2-Butanone	ND	37.2		µg/Kg-dry	1	4/25/2012 4:18:00 PM
2-Chlorotoluene	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
2-Hexanone	ND	18.6		µg/Kg-dry	1	4/25/2012 4:18:00 PM
4-Chlorotoluene	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
4-Isopropyltoluene	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
4-Methyl-2-pentanone	ND	37.2		µg/Kg-dry	1	4/25/2012 4:18:00 PM
Acetone	ND	92.9		µg/Kg-dry	1	4/25/2012 4:18:00 PM
Benzene	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM

Specialty Analytical

Date Reported: 10-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01
Lab ID: 1204192-005
Client Sample ID: GP15-S-2.0

Collection Date: 4/19/2012 1:30:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
Bromobenzene	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
Bromochloromethane	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
Bromodichloromethane	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
Bromoform	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
Bromomethane	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
Carbon Disulfide	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
Carbon tetrachloride	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
Chlorobenzene	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
Chloroethane	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
Chloroform	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
Chloromethane	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
cis-1,2-Dichloroethene	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
cis-1,3-Dichloropropene	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
Dibromochloromethane	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
Dibromomethane	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
Dichlorodifluoromethane	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
Ethylbenzene	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
Hexachlorobutadiene	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
Isopropylbenzene	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
m,p-Xylene	ND	18.6		µg/Kg-dry	1	4/25/2012 4:18:00 PM
Methyl tert-butyl ether	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
Methylene Chloride	ND	46.4		µg/Kg-dry	1	4/25/2012 4:18:00 PM
Naphthalene	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
n-Butylbenzene	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
n-Propylbenzene	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
o-Xylene	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
sec-Butylbenzene	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
Styrene	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
tert-Butylbenzene	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
Tetrachloroethene	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
Toluene	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
trans-1,2-Dichloroethene	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
trans-1,3-Dichloropropene	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
Trichloroethene	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
Trichlorofluoromethane	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
Vinyl Chloride	ND	9.29		µg/Kg-dry	1	4/25/2012 4:18:00 PM
Surr: 1,2-Dichloroethane-d4	105	71.5-112		%REC	1	4/25/2012 4:18:00 PM
Surr: 4-Bromofluorobenzene	93.5	75.7-122		%REC	1	4/25/2012 4:18:00 PM
Surr: Dibromofluoromethane	109	64.3-124		%REC	1	4/25/2012 4:18:00 PM

Specialty Analytical

Date Reported: 10-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01
Lab ID: 1204192-005
Client Sample ID: GP15-S-2.0

Collection Date: 4/19/2012 1:30:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
Surr: Toluene-d8	98.4	74.9-120		%REC	1	4/25/2012 4:18:00 PM
PCB'S IN SOIL		SW 8082A				Analyst: jrp
Aroclor 1016	ND	0.399		µg/Kg-dry	1	5/4/2012 2:00:00 PM
Aroclor 1221	ND	0.399		µg/Kg-dry	1	5/4/2012 2:00:00 PM
Aroclor 1232	ND	0.399		µg/Kg-dry	1	5/4/2012 2:00:00 PM
Aroclor 1242	ND	0.399		µg/Kg-dry	1	5/4/2012 2:00:00 PM
Aroclor 1248	ND	0.399		µg/Kg-dry	1	5/4/2012 2:00:00 PM
Aroclor 1254	12.7	0.399		µg/Kg-dry	1	5/4/2012 2:00:00 PM
Aroclor 1260	ND	0.399		µg/Kg-dry	1	5/4/2012 2:00:00 PM
Aroclor 1262	ND	0.399		µg/Kg-dry	1	5/4/2012 2:00:00 PM
Aroclor 1268	ND	0.399		µg/Kg-dry	1	5/4/2012 2:00:00 PM
Surr: Decachlorobiphenyl	59.9	56.5-130		%REC	1	5/4/2012 2:00:00 PM

Specialty Analytical

Date Reported: 10-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01
Lab ID: 1204192-006
Client Sample ID: GP16-S-14.0

Collection Date: 4/19/2012 12:30:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID				Analyst: kbh
Gasoline	ND	23.7		mg/Kg-dry	1	4/26/2012 11:53:00 AM
Mineral Spirits	ND	23.7		mg/Kg-dry	1	4/26/2012 11:53:00 AM
Kerosene	ND	59.1		mg/Kg-dry	1	4/26/2012 11:53:00 AM
Diesel	ND	59.1		mg/Kg-dry	1	4/26/2012 11:53:00 AM
Lube Oil	ND	118		mg/Kg-dry	1	4/26/2012 11:53:00 AM
Surr: BFB	95.7	50-150		%REC	1	4/26/2012 11:53:00 AM
Surr: o-Terphenyl	97.0	50-150		%REC	1	4/26/2012 11:53:00 AM
RCRA_8		SW6010C				Analyst: CT
Arsenic	4.12	2.37		mg/Kg-dry	1	4/23/2012 5:57:31 PM
Barium	84.2	1.18		mg/Kg-dry	1	4/23/2012 5:57:31 PM
Cadmium	ND	0.118		mg/Kg-dry	1	4/23/2012 5:57:31 PM
Chromium	17.4	0.591		mg/Kg-dry	1	4/23/2012 5:57:31 PM
Lead	4.19	2.37		mg/Kg-dry	1	4/23/2012 5:57:31 PM
Selenium	ND	2.37		mg/Kg-dry	1	4/23/2012 5:57:31 PM
Silver	ND	2.37		mg/Kg-dry	1	4/23/2012 5:57:31 PM
RCRA_8		SW 7471B				Analyst: CT
Mercury	ND	0.0174		mg/Kg-dry	1	4/23/2012
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
1,1,1,2-Tetrachloroethane	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
1,1,1-Trichloroethane	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
1,1,2,2-Tetrachloroethane	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
1,1,2-Trichloroethane	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
1,1-Dichloroethane	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
1,1-Dichloroethene	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
1,1-Dichloropropene	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
1,2,3-Trichlorobenzene	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
1,2,3-Trichloropropane	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
1,2,4-Trichlorobenzene	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
1,2,4-Trimethylbenzene	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
1,2-Dibromo-3-chloropropane	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
1,2-Dibromoethane	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
1,2-Dichlorobenzene	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
1,2-Dichloroethane	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
1,2-Dichloropropane	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
1,3,5-Trimethylbenzene	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
1,3-Dichlorobenzene	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM

Specialty Analytical

Date Reported: 10-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01
Lab ID: 1204192-006
Client Sample ID: GP16-S-14.0

Collection Date: 4/19/2012 12:30:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
1,3-Dichloropropane	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
1,4-Dichlorobenzene	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
2,2-Dichloropropane	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
2-Butanone	ND	39.5		µg/Kg-dry	1	4/25/2012 4:45:00 PM
2-Chlorotoluene	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
2-Hexanone	ND	19.7		µg/Kg-dry	1	4/25/2012 4:45:00 PM
4-Chlorotoluene	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
4-Isopropyltoluene	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
4-Methyl-2-pentanone	ND	39.5		µg/Kg-dry	1	4/25/2012 4:45:00 PM
Acetone	ND	98.7		µg/Kg-dry	1	4/25/2012 4:45:00 PM
Benzene	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
Bromobenzene	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
Bromochloromethane	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
Bromodichloromethane	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
Bromoform	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
Bromomethane	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
Carbon Disulfide	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
Carbon tetrachloride	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
Chlorobenzene	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
Chloroethane	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
Chloroform	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
Chloromethane	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
cis-1,2-Dichloroethene	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
cis-1,3-Dichloropropene	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
Dibromochloromethane	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
Dibromomethane	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
Dichlorodifluoromethane	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
Ethylbenzene	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
Hexachlorobutadiene	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
Isopropylbenzene	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
m,p-Xylene	ND	19.7		µg/Kg-dry	1	4/25/2012 4:45:00 PM
Methyl tert-butyl ether	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
Methylene Chloride	ND	49.4		µg/Kg-dry	1	4/25/2012 4:45:00 PM
Naphthalene	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
n-Butylbenzene	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
n-Propylbenzene	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
o-Xylene	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
sec-Butylbenzene	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
Styrene	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM

Specialty Analytical

Date Reported: 10-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01
Lab ID: 1204192-006
Client Sample ID: GP16-S-14.0

Collection Date: 4/19/2012 12:30:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
tert-Butylbenzene	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
Tetrachloroethene	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
Toluene	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
trans-1,2-Dichloroethene	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
trans-1,3-Dichloropropene	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
Trichloroethene	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
Trichlorofluoromethane	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
Vinyl Chloride	ND	9.87		µg/Kg-dry	1	4/25/2012 4:45:00 PM
Surr: 1,2-Dichloroethane-d4	99.5	71.5-112		%REC	1	4/25/2012 4:45:00 PM
Surr: 4-Bromofluorobenzene	94.5	75.7-122		%REC	1	4/25/2012 4:45:00 PM
Surr: Dibromofluoromethane	123	64.3-124		%REC	1	4/25/2012 4:45:00 PM
Surr: Toluene-d8	73.2	74.9-120	S	%REC	1	4/25/2012 4:45:00 PM

Specialty Analytical

Date Reported: 10-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01
Lab ID: 1204192-007
Client Sample ID: GP16-S-1.0

Collection Date: 4/19/2012 11:30:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID		Analyst: kbh		
Gasoline	ND	25.5		mg/Kg-dry	1	4/26/2012 11:53:00 AM
Mineral Spirits	ND	25.5		mg/Kg-dry	1	4/26/2012 11:53:00 AM
Kerosene	ND	63.7		mg/Kg-dry	1	4/26/2012 11:53:00 AM
Diesel	ND	63.7		mg/Kg-dry	1	4/26/2012 11:53:00 AM
Lube Oil	ND	127		mg/Kg-dry	1	4/26/2012 11:53:00 AM
Surr: BFB	94.0	50-150		%REC	1	4/26/2012 11:53:00 AM
Surr: o-Terphenyl	95.3	50-150		%REC	1	4/26/2012 11:53:00 AM
RCRA_8		SW6010C		Analyst: CT		
Arsenic	6.12	2.55		mg/Kg-dry	1	4/23/2012 6:02:14 PM
Barium	231	1.27		mg/Kg-dry	1	4/23/2012 6:02:14 PM
Cadmium	ND	0.127		mg/Kg-dry	1	4/23/2012 6:02:14 PM
Chromium	25.9	0.637		mg/Kg-dry	1	4/23/2012 6:02:14 PM
Lead	124	2.55		mg/Kg-dry	1	4/23/2012 6:02:14 PM
Selenium	ND	2.55		mg/Kg-dry	1	4/23/2012 6:02:14 PM
Silver	ND	2.55		mg/Kg-dry	1	4/23/2012 6:02:14 PM
RCRA_8		SW 7471B		Analyst: CT		
Mercury	0.0297	0.0213		mg/Kg-dry	1	4/23/2012
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B		Analyst: ajr		
1,1,1,2-Tetrachloroethane	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
1,1,1-Trichloroethane	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
1,1,2,2-Tetrachloroethane	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
1,1,2-Trichloroethane	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
1,1-Dichloroethane	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
1,1-Dichloroethene	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
1,1-Dichloropropene	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
1,2,3-Trichlorobenzene	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
1,2,3-Trichloropropane	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
1,2,4-Trichlorobenzene	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
1,2,4-Trimethylbenzene	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
1,2-Dibromo-3-chloropropane	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
1,2-Dibromoethane	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
1,2-Dichlorobenzene	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
1,2-Dichloroethane	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
1,2-Dichloropropane	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
1,3,5-Trimethylbenzene	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
1,3-Dichlorobenzene	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM

Specialty Analytical

Date Reported: 10-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01
Lab ID: 1204192-007
Client Sample ID: GP16-S-1.0

Collection Date: 4/19/2012 11:30:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
1,3-Dichloropropane	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
1,4-Dichlorobenzene	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
2,2-Dichloropropane	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
2-Butanone	ND	38.7		µg/Kg-dry	1	4/26/2012 12:56:00 PM
2-Chlorotoluene	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
2-Hexanone	ND	19.3		µg/Kg-dry	1	4/26/2012 12:56:00 PM
4-Chlorotoluene	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
4-Isopropyltoluene	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
4-Methyl-2-pentanone	ND	38.7		µg/Kg-dry	1	4/26/2012 12:56:00 PM
Acetone	ND	96.7		µg/Kg-dry	1	4/26/2012 12:56:00 PM
Benzene	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
Bromobenzene	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
Bromochloromethane	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
Bromodichloromethane	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
Bromoform	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
Bromomethane	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
Carbon Disulfide	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
Carbon tetrachloride	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
Chlorobenzene	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
Chloroethane	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
Chloroform	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
Chloromethane	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
cis-1,2-Dichloroethene	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
cis-1,3-Dichloropropene	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
Dibromochloromethane	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
Dibromomethane	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
Dichlorodifluoromethane	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
Ethylbenzene	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
Hexachlorobutadiene	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
Isopropylbenzene	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
m,p-Xylene	ND	19.3		µg/Kg-dry	1	4/26/2012 12:56:00 PM
Methyl tert-butyl ether	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
Methylene Chloride	ND	48.4		µg/Kg-dry	1	4/26/2012 12:56:00 PM
Naphthalene	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
n-Butylbenzene	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
n-Propylbenzene	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
o-Xylene	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
sec-Butylbenzene	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
Styrene	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM

Specialty Analytical

Date Reported: 10-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01
Lab ID: 1204192-007
Client Sample ID: GP16-S-1.0

Collection Date: 4/19/2012 11:30:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
tert-Butylbenzene	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
Tetrachloroethene	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
Toluene	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
trans-1,2-Dichloroethene	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
trans-1,3-Dichloropropene	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
Trichloroethene	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
Trichlorofluoromethane	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
Vinyl Chloride	ND	9.67		µg/Kg-dry	1	4/26/2012 12:56:00 PM
Surr: 1,2-Dichloroethane-d4	115	71.5-112	S	%REC	1	4/26/2012 12:56:00 PM
Surr: 4-Bromofluorobenzene	94.7	75.7-122		%REC	1	4/26/2012 12:56:00 PM
Surr: Dibromofluoromethane	114	64.3-124		%REC	1	4/26/2012 12:56:00 PM
Surr: Toluene-d8	98.3	74.9-120		%REC	1	4/26/2012 12:56:00 PM

Specialty Analytical

Date Reported: 10-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01
Lab ID: 1204192-008
Client Sample ID: GP03-S-1.0

Collection Date: 4/19/2012 10:40:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID				Analyst: kbh
Gasoline	ND	26.2		mg/Kg-dry	1	4/26/2012 11:53:00 AM
Mineral Spirits	ND	26.2		mg/Kg-dry	1	4/26/2012 11:53:00 AM
Kerosene	ND	65.5		mg/Kg-dry	1	4/26/2012 11:53:00 AM
Diesel	ND	65.5		mg/Kg-dry	1	4/26/2012 11:53:00 AM
Lube Oil	ND	131		mg/Kg-dry	1	4/26/2012 11:53:00 AM
Surr: BFB	95.8	50-150		%REC	1	4/26/2012 11:53:00 AM
Surr: o-Terphenyl	99.9	50-150		%REC	1	4/26/2012 11:53:00 AM
RCRA_8		SW6010C				Analyst: CT
Arsenic	6.91	2.18		mg/Kg-dry	1	4/23/2012 6:06:58 PM
Barium	246	1.09		mg/Kg-dry	1	4/23/2012 6:06:58 PM
Cadmium	ND	0.109		mg/Kg-dry	1	4/23/2012 6:06:58 PM
Chromium	23.7	0.546		mg/Kg-dry	1	4/23/2012 6:06:58 PM
Lead	47.8	2.18		mg/Kg-dry	1	4/23/2012 6:06:58 PM
Selenium	ND	2.18		mg/Kg-dry	1	4/23/2012 6:06:58 PM
Silver	ND	2.18		mg/Kg-dry	1	4/23/2012 6:06:58 PM
RCRA_8		SW 7471B				Analyst: CT
Mercury	0.0257	0.0219		mg/Kg-dry	1	4/23/2012
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
1,1,1,2-Tetrachloroethane	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
1,1,1-Trichloroethane	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
1,1,2,2-Tetrachloroethane	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
1,1,2-Trichloroethane	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
1,1-Dichloroethane	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
1,1-Dichloroethene	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
1,1-Dichloropropene	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
1,2,3-Trichlorobenzene	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
1,2,3-Trichloropropane	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
1,2,4-Trichlorobenzene	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
1,2,4-Trimethylbenzene	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
1,2-Dibromo-3-chloropropane	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
1,2-Dibromoethane	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
1,2-Dichlorobenzene	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
1,2-Dichloroethane	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
1,2-Dichloropropane	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
1,3,5-Trimethylbenzene	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
1,3-Dichlorobenzene	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM

Specialty Analytical

Date Reported: 10-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01
Lab ID: 1204192-008
Client Sample ID: GP03-S-1.0

Collection Date: 4/19/2012 10:40:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
1,3-Dichloropropane	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
1,4-Dichlorobenzene	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
2,2-Dichloropropane	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
2-Butanone	ND	39.6		µg/Kg-dry	1	4/25/2012 5:48:00 PM
2-Chlorotoluene	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
2-Hexanone	ND	19.8		µg/Kg-dry	1	4/25/2012 5:48:00 PM
4-Chlorotoluene	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
4-Isopropyltoluene	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
4-Methyl-2-pentanone	ND	39.6		µg/Kg-dry	1	4/25/2012 5:48:00 PM
Acetone	ND	99.1		µg/Kg-dry	1	4/25/2012 5:48:00 PM
Benzene	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
Bromobenzene	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
Bromochloromethane	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
Bromodichloromethane	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
Bromoform	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
Bromomethane	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
Carbon Disulfide	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
Carbon tetrachloride	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
Chlorobenzene	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
Chloroethane	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
Chloroform	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
Chloromethane	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
cis-1,2-Dichloroethene	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
cis-1,3-Dichloropropene	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
Dibromochloromethane	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
Dibromomethane	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
Dichlorodifluoromethane	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
Ethylbenzene	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
Hexachlorobutadiene	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
Isopropylbenzene	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
m,p-Xylene	ND	19.8		µg/Kg-dry	1	4/25/2012 5:48:00 PM
Methyl tert-butyl ether	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
Methylene Chloride	ND	49.6		µg/Kg-dry	1	4/25/2012 5:48:00 PM
Naphthalene	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
n-Butylbenzene	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
n-Propylbenzene	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
o-Xylene	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
sec-Butylbenzene	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
Styrene	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM

Specialty Analytical

Date Reported: 10-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01
Lab ID: 1204192-008
Client Sample ID: GP03-S-1.0

Collection Date: 4/19/2012 10:40:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
tert-Butylbenzene	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
Tetrachloroethene	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
Toluene	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
trans-1,2-Dichloroethene	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
trans-1,3-Dichloropropene	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
Trichloroethene	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
Trichlorofluoromethane	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
Vinyl Chloride	ND	9.91		µg/Kg-dry	1	4/25/2012 5:48:00 PM
Surr: 1,2-Dichloroethane-d4	111	71.5-112		%REC	1	4/25/2012 5:48:00 PM
Surr: 4-Bromofluorobenzene	93.4	75.7-122		%REC	1	4/25/2012 5:48:00 PM
Surr: Dibromofluoromethane	122	64.3-124		%REC	1	4/25/2012 5:48:00 PM
Surr: Toluene-d8	77.0	74.9-120		%REC	1	4/25/2012 5:48:00 PM

Specialty Analytical

Date Reported: 10-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01
Lab ID: 1204192-009
Client Sample ID: GP05-S-1.0

Collection Date: 4/19/2012 9:30:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID						
NWHCID						Analyst: kbh
Gasoline	ND	23.7		mg/Kg-dry	1	4/26/2012 11:53:00 AM
Mineral Spirits	ND	23.7		mg/Kg-dry	1	4/26/2012 11:53:00 AM
Kerosene	ND	59.2		mg/Kg-dry	1	4/26/2012 11:53:00 AM
Diesel	ND	59.2		mg/Kg-dry	1	4/26/2012 11:53:00 AM
Lube Oil	OIL	118		mg/Kg-dry	1	4/26/2012 11:53:00 AM
Surr: BFB	95.9	50-150		%REC	1	4/26/2012 11:53:00 AM
Surr: o-Terphenyl	105	50-150		%REC	1	4/26/2012 11:53:00 AM
NWTPH-DX						
NWTPH-DX						Analyst: kbh
Diesel	79.4	17.8		mg/Kg-dry	1	4/25/2012 3:40:00 PM
Lube Oil	356	59.2		mg/Kg-dry	1	4/25/2012 3:40:00 PM
Surr: o-Terphenyl	98.8	50-150		%REC	1	4/25/2012 3:40:00 PM
RCRA_8						
SW6010C						Analyst: CT
Arsenic	ND	2.28		mg/Kg-dry	1	4/23/2012 6:11:42 PM
Barium	158	1.14		mg/Kg-dry	1	4/23/2012 6:11:42 PM
Cadmium	0.194	0.114		mg/Kg-dry	1	4/23/2012 6:11:42 PM
Chromium	19.9	0.570		mg/Kg-dry	1	4/23/2012 6:11:42 PM
Lead	208	2.28		mg/Kg-dry	1	4/23/2012 6:11:42 PM
Selenium	ND	2.28		mg/Kg-dry	1	4/23/2012 6:11:42 PM
Silver	ND	2.28		mg/Kg-dry	1	4/23/2012 6:11:42 PM
RCRA_8						
SW 7471B						Analyst: CT
Mercury	0.0521	0.0165		mg/Kg-dry	1	4/23/2012
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
SW8260B						Analyst: ajr
1,1,1,2-Tetrachloroethane	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
1,1,1-Trichloroethane	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
1,1,2,2-Tetrachloroethane	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
1,1,2-Trichloroethane	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
1,1-Dichloroethane	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
1,1-Dichloroethene	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
1,1-Dichloropropene	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
1,2,3-Trichlorobenzene	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
1,2,3-Trichloropropane	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
1,2,4-Trichlorobenzene	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
1,2,4-Trimethylbenzene	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
1,2-Dibromo-3-chloropropane	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
1,2-Dibromoethane	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM

Specialty Analytical

Date Reported: 10-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01
Lab ID: 1204192-009
Client Sample ID: GP05-S-1.0

Collection Date: 4/19/2012 9:30:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
1,2-Dichlorobenzene	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
1,2-Dichloroethane	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
1,2-Dichloropropane	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
1,3,5-Trimethylbenzene	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
1,3-Dichlorobenzene	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
1,3-Dichloropropane	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
1,4-Dichlorobenzene	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
2,2-Dichloropropane	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
2-Butanone	ND	36.2		µg/Kg-dry	1	4/25/2012 6:15:00 PM
2-Chlorotoluene	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
2-Hexanone	ND	18.1		µg/Kg-dry	1	4/25/2012 6:15:00 PM
4-Chlorotoluene	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
4-Isopropyltoluene	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
4-Methyl-2-pentanone	ND	36.2		µg/Kg-dry	1	4/25/2012 6:15:00 PM
Acetone	ND	90.6		µg/Kg-dry	1	4/25/2012 6:15:00 PM
Benzene	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
Bromobenzene	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
Bromochloromethane	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
Bromodichloromethane	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
Bromoform	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
Bromomethane	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
Carbon Disulfide	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
Carbon tetrachloride	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
Chlorobenzene	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
Chloroethane	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
Chloroform	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
Chloromethane	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
cis-1,2-Dichloroethene	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
cis-1,3-Dichloropropene	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
Dibromochloromethane	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
Dibromomethane	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
Dichlorodifluoromethane	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
Ethylbenzene	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
Hexachlorobutadiene	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
Isopropylbenzene	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
m,p-Xylene	ND	18.1		µg/Kg-dry	1	4/25/2012 6:15:00 PM
Methyl tert-butyl ether	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
Methylene Chloride	ND	45.3		µg/Kg-dry	1	4/25/2012 6:15:00 PM
Naphthalene	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM

Specialty Analytical

Date Reported: 10-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01
Lab ID: 1204192-009
Client Sample ID: GP05-S-1.0

Collection Date: 4/19/2012 9:30:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
n-Butylbenzene	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
n-Propylbenzene	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
o-Xylene	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
sec-Butylbenzene	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
Styrene	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
tert-Butylbenzene	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
Tetrachloroethene	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
Toluene	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
trans-1,2-Dichloroethene	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
trans-1,3-Dichloropropene	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
Trichloroethene	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
Trichlorofluoromethane	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
Vinyl Chloride	ND	9.06		µg/Kg-dry	1	4/25/2012 6:15:00 PM
Surr: 1,2-Dichloroethane-d4	110	71.5-112		%REC	1	4/25/2012 6:15:00 PM
Surr: 4-Bromofluorobenzene	94.1	75.7-122		%REC	1	4/25/2012 6:15:00 PM
Surr: Dibromofluoromethane	122	64.3-124		%REC	1	4/25/2012 6:15:00 PM
Surr: Toluene-d8	99.5	74.9-120		%REC	1	4/25/2012 6:15:00 PM

Specialty Analytical

Date Reported: 10-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01
Lab ID: 1204192-010
Client Sample ID: GP04-S-1.0

Collection Date: 4/19/2012 10:00:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID		Analyst: kbh		
Gasoline	ND	26.1		mg/Kg-dry	1	4/26/2012 11:53:00 AM
Mineral Spirits	ND	26.1		mg/Kg-dry	1	4/26/2012 11:53:00 AM
Kerosene	ND	65.3		mg/Kg-dry	1	4/26/2012 11:53:00 AM
Diesel	ND	65.3		mg/Kg-dry	1	4/26/2012 11:53:00 AM
Lube Oil	ND	131		mg/Kg-dry	1	4/26/2012 11:53:00 AM
Surr: BFB	95.4	50-150		%REC	1	4/26/2012 11:53:00 AM
Surr: o-Terphenyl	95.8	50-150		%REC	1	4/26/2012 11:53:00 AM
RCRA_8		SW6010C		Analyst: CT		
Arsenic	ND	2.25		mg/Kg-dry	1	4/23/2012 6:16:26 PM
Barium	190	1.13		mg/Kg-dry	1	4/23/2012 6:16:26 PM
Cadmium	ND	0.113		mg/Kg-dry	1	4/23/2012 6:16:26 PM
Chromium	17.9	0.563		mg/Kg-dry	1	4/23/2012 6:16:26 PM
Lead	6.83	2.25		mg/Kg-dry	1	4/23/2012 6:16:26 PM
Selenium	ND	2.25		mg/Kg-dry	1	4/23/2012 6:16:26 PM
Silver	ND	2.25		mg/Kg-dry	1	4/23/2012 6:16:26 PM
RCRA_8		SW 7471B		Analyst: CT		
Mercury	0.0227	0.0204		mg/Kg-dry	1	4/23/2012
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B		Analyst: ajr		
1,1,1,2-Tetrachloroethane	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
1,1,1-Trichloroethane	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
1,1,2,2-Tetrachloroethane	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
1,1,2-Trichloroethane	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
1,1-Dichloroethane	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
1,1-Dichloroethene	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
1,1-Dichloropropene	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
1,2,3-Trichlorobenzene	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
1,2,3-Trichloropropane	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
1,2,4-Trichlorobenzene	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
1,2,4-Trimethylbenzene	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
1,2-Dibromo-3-chloropropane	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
1,2-Dibromoethane	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
1,2-Dichlorobenzene	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
1,2-Dichloroethane	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
1,2-Dichloropropane	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
1,3,5-Trimethylbenzene	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
1,3-Dichlorobenzene	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM

Specialty Analytical

Date Reported: 10-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01
Lab ID: 1204192-010
Client Sample ID: GP04-S-1.0

Collection Date: 4/19/2012 10:00:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
1,3-Dichloropropane	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
1,4-Dichlorobenzene	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
2,2-Dichloropropane	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
2-Butanone	ND	39.9		µg/Kg-dry	1	4/25/2012 6:41:00 PM
2-Chlorotoluene	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
2-Hexanone	ND	20.0		µg/Kg-dry	1	4/25/2012 6:41:00 PM
4-Chlorotoluene	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
4-Isopropyltoluene	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
4-Methyl-2-pentanone	ND	39.9		µg/Kg-dry	1	4/25/2012 6:41:00 PM
Acetone	ND	99.8		µg/Kg-dry	1	4/25/2012 6:41:00 PM
Benzene	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
Bromobenzene	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
Bromochloromethane	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
Bromodichloromethane	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
Bromoform	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
Bromomethane	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
Carbon Disulfide	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
Carbon tetrachloride	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
Chlorobenzene	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
Chloroethane	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
Chloroform	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
Chloromethane	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
cis-1,2-Dichloroethene	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
cis-1,3-Dichloropropene	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
Dibromochloromethane	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
Dibromomethane	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
Dichlorodifluoromethane	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
Ethylbenzene	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
Hexachlorobutadiene	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
Isopropylbenzene	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
m,p-Xylene	ND	20.0		µg/Kg-dry	1	4/25/2012 6:41:00 PM
Methyl tert-butyl ether	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
Methylene Chloride	ND	49.9		µg/Kg-dry	1	4/25/2012 6:41:00 PM
Naphthalene	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
n-Butylbenzene	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
n-Propylbenzene	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
o-Xylene	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
sec-Butylbenzene	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
Styrene	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM

Specialty Analytical

Date Reported: 10-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01
Lab ID: 1204192-010
Client Sample ID: GP04-S-1.0

Collection Date: 4/19/2012 10:00:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
tert-Butylbenzene	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
Tetrachloroethene	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
Toluene	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
trans-1,2-Dichloroethene	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
trans-1,3-Dichloropropene	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
Trichloroethene	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
Trichlorofluoromethane	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
Vinyl Chloride	ND	9.98		µg/Kg-dry	1	4/25/2012 6:41:00 PM
Surr: 1,2-Dichloroethane-d4	108	71.5-112		%REC	1	4/25/2012 6:41:00 PM
Surr: 4-Bromofluorobenzene	89.1	75.7-122		%REC	1	4/25/2012 6:41:00 PM
Surr: Dibromofluoromethane	110	64.3-124		%REC	1	4/25/2012 6:41:00 PM
Surr: Toluene-d8	96.7	74.9-120		%REC	1	4/25/2012 6:41:00 PM

Specialty Analytical

Date Reported: 10-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01
Lab ID: 1204192-011
Client Sample ID: GP03-S-9.0

Collection Date: 4/19/2012 11:00:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST		PER CLIENT				Analyst: knb
Hold	Hold	0			1	5/10/2012 4:20:47 PM



Specialty Analytical
11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

QC SUMMARY REPORT

WO#: 1204192

10-May-12

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: 6010_S

Sample ID: 1204201-001AMS	SampType: MS	TestCode: 6010_S	Units: mg/Kg	Prep Date: 4/23/2012	RunNo: 3873						
Client ID: ZZZZZZ	Batch ID: 2401	TestNo: SW6010C	SW3050B	Analysis Date: 4/23/2012	SeqNo: 51733						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	112	1.85	92.59	11.73	108	86.1	109				
Barium	126	0.926	46.30	82.21	95.6	75	125				
Cadmium	4.43	0.093	4.630	0.05556	94.4	86.4	113				
Chromium	37.2	0.463	23.15	15.42	94.2	75	121				
Lead	91.9	1.85	92.59	6.852	91.8	84.9	109				
Selenium	84.5	1.85	92.59	0	91.3	77.7	116				
Silver	46.7	1.85	46.30	1.370	97.9	75	123				

Sample ID: MBLK-2401	SampType: MBLK	TestCode: 6010_S	Units: mg/Kg	Prep Date: 4/23/2012	RunNo: 3873						
Client ID: PBS	Batch ID: 2401	TestNo: SW6010C	SW3050B	Analysis Date: 4/23/2012	SeqNo: 51735						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	2.00									
Barium	ND	1.00									
Cadmium	ND	0.100									
Chromium	ND	0.500									
Lead	ND	2.00									
Selenium	ND	2.00									
Silver	ND	2.00									

Sample ID: LCS-2401	SampType: LCS	TestCode: 6010_S	Units: mg/Kg	Prep Date: 4/23/2012	RunNo: 3873						
Client ID: LCSS	Batch ID: 2401	TestNo: SW6010C	SW3050B	Analysis Date: 4/23/2012	SeqNo: 51736						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	102	2.00	100.0	0	102	85.1	107				

Qualifiers:

B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit



Specialty Analytical
11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

QC SUMMARY REPORT

WO#: 1204192

10-May-12

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: 6010_S

Sample ID: LCS-2401	SampType: LCS	TestCode: 6010_S	Units: mg/Kg	Prep Date: 4/23/2012	RunNo: 3873						
Client ID: LCSS	Batch ID: 2401	TestNo: SW6010C	SW3050B	Analysis Date: 4/23/2012	SeqNo: 51736						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	49.4	1.00	50.00	0	98.8	85.7	110				
Cadmium	4.92	0.100	5.000	0	98.4	87.2	109				
Chromium	24.8	0.500	25.00	0	99.2	84	113				
Lead	96.9	2.00	100.0	0	96.9	84.9	109				
Selenium	100	2.00	100.0	0	100	88.7	111				
Silver	48.5	2.00	50.00	0	97.0	79.3	109				

Sample ID: 1204201-001ADUP	SampType: DUP	TestCode: 6010_S	Units: mg/Kg	Prep Date: 4/23/2012	RunNo: 3873						
Client ID: ZZZZZZ	Batch ID: 2401	TestNo: SW6010C	SW3050B	Analysis Date: 4/23/2012	SeqNo: 51737						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	12.3	1.85						11.73	4.70	20	
Barium	81.9	0.926						82.21	0.372	20	
Cadmium	ND	0.093						0	0	20	
Chromium	15.8	0.463						15.42	2.20	20	
Lead	6.90	1.85						6.852	0.673	20	
Selenium	ND	1.85						0	0	20	
Silver	ND	1.85						0	0	20	

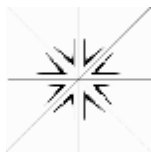
Sample ID: 1204201-001AMSD	SampType: MSD	TestCode: 6010_S	Units: mg/Kg	Prep Date: 4/23/2012	RunNo: 3873						
Client ID: ZZZZZZ	Batch ID: 2401	TestNo: SW6010C	SW3050B	Analysis Date: 4/23/2012	SeqNo: 51738						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	112	1.85	92.59	11.73	108	86.1	109	111.7	0	20	
Barium	125	0.926	46.30	82.21	91.4	75	125	126.5	1.55	20	

Qualifiers:

B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit



Specialty Analytical
11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

QC SUMMARY REPORT

WO#: 1204192

10-May-12

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: 6010_S

Sample ID: 1204201-001AMSD	SampType: MSD	TestCode: 6010_S	Units: mg/Kg	Prep Date: 4/23/2012	RunNo: 3873						
Client ID: ZZZZZZ	Batch ID: 2401	TestNo: SW6010C	SW3050B	Analysis Date: 4/23/2012	SeqNo: 51738						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	4.42	0.093	4.630	0.05556	94.2	86.4	113	4.426	0.209	20	
Chromium	37.1	0.463	23.15	15.42	93.7	75	121	37.21	0.299	20	
Lead	90.4	1.85	92.59	6.852	90.2	84.9	109	91.85	1.64	20	
Selenium	83.3	1.85	92.59	0	90.0	77.7	116	84.50	1.39	20	
Silver	46.3	1.85	46.30	1.370	97.0	75	123	46.68	0.857	20	

Sample ID: CCV	SampType: CCV	TestCode: 6010_S		Units: mg/Kg	Prep Date:			RunNo: 3873			
Client ID: CCV	Batch ID: 2401	TestNo: SW6010C		SW3050B	Analysis Date: 4/23/2012			SeqNo: 51741			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	104	2.00	100.0	0	104	90	110				
Barium	49.6	1.00	50.00	0	99.3	90	110				
Cadmium	4.93	0.100	5.000	0	98.6	90	110				
Chromium	25.9	0.500	25.00	0	104	90	110				
Lead	98.5	2.00	100.0	0	98.5	90	110				
Selenium	101	2.00	100.0	0	101	90	110				
Silver	49.1	2.00	50.00	0	98.1	90	110				

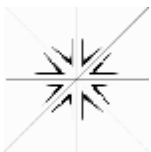
Sample ID: CCV	SampType: CCV	TestCode: 6010_S		Units: mg/Kg	Prep Date:			RunNo: 3873			
Client ID: CCV	Batch ID: 2401	TestNo: SW6010C		SW3050B	Analysis Date: 4/23/2012			SeqNo: 51750			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	106	2.00	100.0	0	106	90	110				
Barium	50.9	1.00	50.00	0	102	90	110				
Cadmium	5.04	0.100	5.000	0	101	90	110				

Qualifiers:

B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit



Specialty Analytical
11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

QC SUMMARY REPORT

WO#: 1204192

10-May-12

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: 6010_S

Sample ID: CCV	SampType: CCV	TestCode: 6010_S	Units: mg/Kg	Prep Date:	RunNo: 3873						
Client ID: CCV	Batch ID: 2401	TestNo: SW6010C	SW3050B	Analysis Date: 4/23/2012	SeqNo: 51750						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	25.7	0.500	25.00	0	103	90	110				
Lead	101	2.00	100.0	0	101	90	110				
Selenium	103	2.00	100.0	0	103	90	110				
Silver	49.9	2.00	50.00	0	99.9	90	110				

Sample ID: CCV	SampType: CCV	TestCode: 6010_S	Units: mg/Kg	Prep Date:	RunNo: 3873						
Client ID: CCV	Batch ID: 2401	TestNo: SW6010C	SW3050B	Analysis Date: 4/23/2012	SeqNo: 51758						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	107	2.00	100.0	0	107	90	110				
Barium	51.3	1.00	50.00	0	103	90	110				
Cadmium	5.11	0.100	5.000	0	102	90	110				
Chromium	26.2	0.500	25.00	0	105	90	110				
Lead	101	2.00	100.0	0	101	90	110				
Selenium	104	2.00	100.0	0	104	90	110				
Silver	50.8	2.00	50.00	0	102	90	110				

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit



Specialty Analytical
11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

QC SUMMARY REPORT

WO#: 1204192

10-May-12

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: 8082LL_S

Sample ID: CCV	SampType: CCV	TestCode: 8082LL_S	Units: µg/Kg	Prep Date:	RunNo: 4095						
Client ID: CCV	Batch ID: 2504	TestNo: SW 8082A	3545_8082LL	Analysis Date: 5/4/2012	SeqNo: 54908						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016/1260	69.3	0.333	66.67	0	104	85	115				
Aroclor 1254	66.7	0.333	66.67	0	100	85	115				
Aroclor 1260	66.7	0.333	66.67	0	100	85	115				

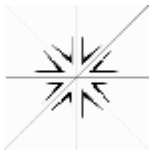
Sample ID: MB-2504	SampType: MBLK	TestCode: 8082LL_S	Units: µg/Kg	Prep Date: 5/3/2012	RunNo: 4095						
Client ID: PBS	Batch ID: 2504	TestNo: SW 8082A	3545_8082LL	Analysis Date: 5/4/2012	SeqNo: 54909						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.333									
Aroclor 1221	ND	0.333									
Aroclor 1232	ND	0.333									
Aroclor 1242	ND	0.333									
Aroclor 1248	ND	0.333									
Aroclor 1254	ND	0.333									
Aroclor 1260	ND	0.333									
Aroclor 1262	ND	0.333									
Aroclor 1268	ND	0.333									
Surr: Decachlorobiphenyl	5,290		6,667		79.4	56.5	130				

Sample ID: LCS-2504	SampType: LCS	TestCode: 8082LL_S	Units: µg/Kg	Prep Date: 5/3/2012	RunNo: 4095						
Client ID: LCSS	Batch ID: 2504	TestNo: SW 8082A	3545_8082LL	Analysis Date: 5/4/2012	SeqNo: 54910						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016/1260	59.3	0.333	66.67	0	89.0	44.3	137				

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit



Specialty Analytical
11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

QC SUMMARY REPORT

WO#: 1204192

10-May-12

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: 8082LL_S

Sample ID: 1204192-005AMS	SampType: MS	TestCode: 8082LL_S	Units: µg/Kg-dry	Prep Date: 5/3/2012	RunNo: 4095						
Client ID: GP15-S-2.0	Batch ID: 2504	TestNo: SW 8082A	3545_8082LL	Analysis Date: 5/4/2012	SeqNo: 54911						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aroclor 1016/1260	75.0	0.399	79.81	0	94.0	56.6	123				

Sample ID: 1204192-005AMSD	SampType: MSD	TestCode: 8082LL_S	Units: µg/Kg-dry	Prep Date: 5/3/2012	RunNo: 4095						
Client ID: GP15-S-2.0	Batch ID: 2504	TestNo: SW 8082A	3545_8082LL	Analysis Date: 5/4/2012	SeqNo: 54912						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aroclor 1016/1260	70.2	0.399	79.81	0	88.0	56.6	123	75.02	6.59	20	

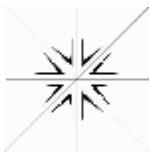
Sample ID: CCV	SampType: CCV	TestCode: 8082LL_S	Units: µg/Kg	Prep Date:	RunNo: 4095						
Client ID: CCV	Batch ID: 2504	TestNo: SW 8082A	3545_8082LL	Analysis Date: 5/4/2012	SeqNo: 54918						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aroclor 1016/1260	65.3	0.333	66.67	0	98.0	85	115				
Aroclor 1254	65.3	0.333	66.67	0	98.0	85	115				
Aroclor 1260	64.0	0.333	66.67	0	96.0	85	115				

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit



Specialty Analytical
11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

QC SUMMARY REPORT

WO#: 1204192

10-May-12

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: 8260_5035

Sample ID: CCV-2443	SampType: CCV	TestCode: 8260_5035	Units: µg/Kg	Prep Date:	RunNo: 3932						
Client ID: CCV	Batch ID: 2443	TestNo: SW8260B	SW5035A	Analysis Date: 4/25/2012	SeqNo: 52539						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	61.7	10.0	60.00	0	103	80	120				
1,2-Dichloropropane	64.6	10.0	60.00	0	108	80	120				
Chloroform	53.0	10.0	60.00	0	88.4	80	120				
Ethylbenzene	67.1	10.0	60.00	0	112	80	120				
Toluene	65.8	10.0	60.00	0	110	80	120				
Vinyl Chloride	61.7	10.0	60.00	0	103	80	120				

Sample ID: LCS-2443	SampType: LCS	TestCode: 8260_5035	Units: µg/Kg	Prep Date: 4/25/2012	RunNo: 3932						
Client ID: LCSS	Batch ID: 2443	TestNo: SW8260B	SW5035A	Analysis Date: 4/25/2012	SeqNo: 52540						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	56.3	10.0	60.00	0	93.8	80	120				
Benzene	66.4	10.0	60.00	0	111	80	120				
Chlorobenzene	64.4	10.0	60.00	0	107	80	120				
Toluene	65.6	10.0	60.00	0	109	80	120				
Trichloroethene	63.7	10.0	60.00	0	106	80	120				

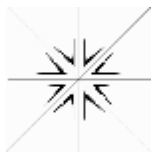
Sample ID: LCSD-2443	SampType: LCSD	TestCode: 8260_5035	Units: µg/Kg	Prep Date: 4/25/2012	RunNo: 3932						
Client ID: LCSS02	Batch ID: 2443	TestNo: SW8260B	SW5035A	Analysis Date: 4/25/2012	SeqNo: 52541						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	59.8	10.0	60.00	0	99.7	80	120	56.26	6.15	20	
Benzene	68.8	10.0	60.00	0	115	80	120	66.41	3.55	20	
Chlorobenzene	64.8	10.0	60.00	0	108	80	120	64.40	0.588	20	
Toluene	65.1	10.0	60.00	0	109	80	120	65.65	0.811	20	

Qualifiers:

B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit



Specialty Analytical
11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

QC SUMMARY REPORT

WO#: 1204192

10-May-12

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: 8260_5035

Sample ID: LCSD-2443	SampType: LCSD	TestCode: 8260_5035	Units: µg/Kg	Prep Date: 4/25/2012	RunNo: 3932						
Client ID: LCSS02	Batch ID: 2443	TestNo: SW8260B	SW5035A	Analysis Date: 4/25/2012	SeqNo: 52541						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene	65.7	10.0	60.00	0	110	80	120	63.71	3.09	20	

Sample ID: MBLK-2443	SampType: MBLK	TestCode: 8260_5035	Units: µg/Kg	Prep Date:	RunNo: 3932						
Client ID: PBS	Batch ID: 2443	TestNo: SW8260B	SW5035A	Analysis Date: 4/25/2012	SeqNo: 52542						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	10.0									
1,1,1-Trichloroethane	ND	10.0									
1,1,2,2-Tetrachloroethane	ND	10.0									
1,1,2-Trichloroethane	ND	10.0									
1,1-Dichloroethane	ND	10.0									
1,1-Dichloroethene	ND	10.0									
1,1-Dichloropropene	ND	10.0									
1,2,3-Trichlorobenzene	ND	10.0									
1,2,3-Trichloropropane	ND	10.0									
1,2,4-Trichlorobenzene	ND	10.0									
1,2,4-Trimethylbenzene	ND	10.0									
1,2-Dibromo-3-chloropropane	ND	10.0									
1,2-Dibromoethane	ND	10.0									
1,2-Dichlorobenzene	ND	10.0									
1,2-Dichloroethane	ND	10.0									
1,2-Dichloropropane	ND	10.0									
1,3,5-Trimethylbenzene	ND	10.0									
1,3-Dichlorobenzene	ND	10.0									
1,3-Dichloropropane	ND	10.0									

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit



Specialty Analytical
11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

QC SUMMARY REPORT

WO#: 1204192

10-May-12

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: 8260_5035

Sample ID: MBLK-2443	SampType: MBLK	TestCode: 8260_5035	Units: µg/Kg	Prep Date:				RunNo: 3932			
Client ID: PBS	Batch ID: 2443	TestNo: SW8260B	SW5035A	Analysis Date: 4/25/2012				SeqNo: 52542			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,4-Dichlorobenzene	ND	10.0									
2,2-Dichloropropane	ND	10.0									
2-Butanone	ND	40.0									
2-Chlorotoluene	ND	10.0									
2-Hexanone	ND	20.0									
4-Chlorotoluene	ND	10.0									
4-Isopropyltoluene	ND	10.0									
4-Methyl-2-pentanone	ND	40.0									
Acetone	ND	100									
Benzene	ND	10.0									
Bromobenzene	ND	10.0									
Bromochloromethane	ND	10.0									
Bromodichloromethane	ND	10.0									
Bromoform	ND	10.0									
Bromomethane	ND	10.0									
Carbon Disulfide	ND	10.0									
Carbon tetrachloride	ND	10.0									
Chlorobenzene	ND	10.0									
Chloroethane	ND	10.0									
Chloroform	ND	10.0									
Chloromethane	ND	10.0									
cis-1,2-Dichloroethene	ND	10.0									
cis-1,3-Dichloropropene	ND	10.0									
Dibromochloromethane	ND	10.0									
Dibromomethane	ND	10.0									
Dichlorodifluoromethane	ND	10.0									

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit



Specialty Analytical
11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

QC SUMMARY REPORT

WO#: 1204192

10-May-12

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: 8260_5035

Sample ID: MBLK-2443	SampType: MBLK	TestCode: 8260_5035	Units: µg/Kg	Prep Date:				RunNo: 3932			
Client ID: PBS	Batch ID: 2443	TestNo: SW8260B	SW5035A	Analysis Date: 4/25/2012				SeqNo: 52542			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethylbenzene	ND	10.0									
Hexachlorobutadiene	ND	10.0									
Isopropylbenzene	ND	10.0									
m,p-Xylene	ND	20.0									
Methyl tert-butyl ether	ND	10.0									
Methylene Chloride	ND	50.0									
Naphthalene	ND	10.0									
n-Butylbenzene	ND	10.0									
n-Propylbenzene	ND	10.0									
o-Xylene	ND	10.0									
sec-Butylbenzene	ND	10.0									
Styrene	ND	10.0									
tert-Butylbenzene	ND	10.0									
Tetrachloroethene	ND	10.0									
Toluene	ND	10.0									
trans-1,2-Dichloroethene	ND	10.0									
trans-1,3-Dichloropropene	ND	10.0									
Trichloroethene	ND	10.0									
Trichlorofluoromethane	ND	10.0									
Vinyl Chloride	ND	10.0									
Surr: 1,2-Dichloroethane-d4	97.1		100.0		97.1	71.5	112				
Surr: 4-Bromofluorobenzene	93.1		100.0		93.1	75.7	122				
Surr: Dibromofluoromethane	84.5		100.0		84.5	64.3	124				
Surr: Toluene-d8	98.6		100.0		98.6	74.9	120				

Qualifiers:

B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit



Specialty Analytical
11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

QC SUMMARY REPORT

WO#: 1204192

10-May-12

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: 8260_5035

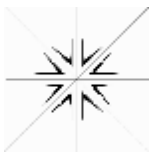
Sample ID: CCV	SampType: CCV	TestCode: 8260_5035		Units: µg/Kg	Prep Date:			RunNo: 3932			
Client ID: CCV	Batch ID: 2443	TestNo: SW8260B		SW5035A	Analysis Date: 4/26/2012			SeqNo: 54034			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	56.3	10.0	60.00	0	93.8	80	120				
1,2-Dichloropropane	60.4	10.0	60.00	0	101	80	120				
Chloroform	61.6	10.0	60.00	0	103	80	120				
Ethylbenzene	65.6	10.0	60.00	0	109	80	120				
Toluene	65.6	10.0	60.00	0	109	80	120				
Vinyl Chloride	59.5	10.0	60.00	0	99.2	80	120				

Qualifiers:

B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit



Specialty Analytical
11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

QC SUMMARY REPORT

WO#: 1204192

10-May-12

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: HCID_NW

Sample ID: MB-2405	SampType: MBLK	TestCode: HCID_NW	Units: mg/Kg	Prep Date: 4/23/2012	RunNo: 3854						
Client ID: PBS	Batch ID: 2405	TestNo: NWHCID		Analysis Date: 4/26/2012	SeqNo: 51551						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	20.0									
Mineral Spirits	ND	20.0									
Kerosene	ND	50.0									
Diesel	ND	50.0									
Lube Oil	ND	100									
Surr: BFB	96.4		100.0		96.4	50	150				
Surr: o-Terphenyl	99.4		100.0		99.4	50	150				

Sample ID: 1204198-001ADUP	SampType: DUP	TestCode: HCID_NW	Units: mg/Kg-dry	Prep Date: 4/23/2012	RunNo: 3854						
Client ID: ZZZZZZ	Batch ID: 2405	TestNo: NWHCID		Analysis Date: 4/26/2012	SeqNo: 51553						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	27.1						0	0	20	
Mineral Spirits	ND	27.1						0	0	20	
Kerosene	ND	67.7						0	0	20	
Diesel	ND	67.7						0	0	20	
Lube Oil	ND	135						0	0	20	

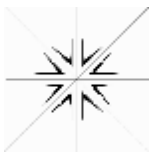
Sample ID: 1204192-002ADUP	SampType: DUP	TestCode: HCID_NW	Units: mg/Kg-dry	Prep Date: 4/23/2012	RunNo: 3854						
Client ID: GP15-S-7.5	Batch ID: 2405	TestNo: NWHCID		Analysis Date: 4/26/2012	SeqNo: 51805						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	24.0						0	0	20	
Mineral Spirits	ND	24.0						0	0	20	
Kerosene	ND	59.9						0	0	20	

Qualifiers:

B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit



Specialty Analytical
11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

QC SUMMARY REPORT

WO#: 1204192

10-May-12

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: HCID_NW

Sample ID: 1204192-002ADUP	SampType: DUP	TestCode: HCID_NW	Units: mg/Kg-dry	Prep Date: 4/23/2012	RunNo: 3854						
Client ID: GP15-S-7.5	Batch ID: 2405	TestNo: NWHCID		Analysis Date: 4/26/2012	SeqNo: 51805						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel	ND	59.9						0	0	20	
Lube Oil	ND	120						0	0	20	

Sample ID: 1204192-011ADUP	SampType: DUP	TestCode: HCID_NW	Units: mg/Kg-dry	Prep Date: 4/23/2012	RunNo: 3854						
Client ID: GP03-S-9.0	Batch ID: 2405	TestNo: NWHCID		Analysis Date: 4/26/2012	SeqNo: 51814						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	27.9						0	0	20	
Mineral Spirits	ND	27.9						0	0	20	
Kerosene	ND	69.8						0	0	20	
Diesel	ND	69.8						0	0	20	
Lube Oil	ND	140						0	0	20	

Qualifiers:

B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit



Specialty Analytical
11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

QC SUMMARY REPORT

WO#: 1204192

10-May-12

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: HG_CTS

Sample ID: MB-2410	SampType: MBLK	TestCode: HG_CTS	Units: mg/Kg	Prep Date: 4/23/2012	RunNo: 3879
Client ID: PBS	Batch ID: 2410	TestNo: SW 7471B	SW 7471B	Analysis Date: 4/23/2012	SeqNo: 51837
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Mercury ND 0.0167

Sample ID: LCS-2410	SampType: LCS	TestCode: HG_CTS	Units: mg/Kg	Prep Date: 4/23/2012	RunNo: 3879
Client ID: LCSS	Batch ID: 2410	TestNo: SW 7471B	SW 7471B	Analysis Date: 4/23/2012	SeqNo: 51838
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Mercury 0.256 0.0167 0.2500 0 103 88.2 113

Sample ID: 1204192-003ADUP	SampType: DUP	TestCode: HG_CTS	Units: mg/Kg-dry	Prep Date: 4/23/2012	RunNo: 3879
Client ID: GP14-S-4.0	Batch ID: 2410	TestNo: SW 7471B	SW 7471B	Analysis Date: 4/23/2012	SeqNo: 51841
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Mercury 0.0501 0.0175 0.05868 15.8 20

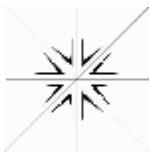
Sample ID: 1204192-003AMS	SampType: MS	TestCode: HG_CTS	Units: mg/Kg-dry	Prep Date: 4/23/2012	RunNo: 3879
Client ID: GP14-S-4.0	Batch ID: 2410	TestNo: SW 7471B	SW 7471B	Analysis Date: 4/23/2012	SeqNo: 51842
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Mercury 0.349 0.0196 0.2940 0.05868 98.7 78.1 125

Sample ID: 1204192-003AMSD	SampType: MSD	TestCode: HG_CTS	Units: mg/Kg-dry	Prep Date: 4/23/2012	RunNo: 3879
Client ID: GP14-S-4.0	Batch ID: 2410	TestNo: SW 7471B	SW 7471B	Analysis Date: 4/23/2012	SeqNo: 51843
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Mercury 0.363 0.0196 0.2940 0.05868 104 78.1 125 0.3488 3.96 20

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits



Specialty Analytical
11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

QC SUMMARY REPORT

WO#: 1204192

10-May-12

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: HG_CTS

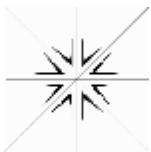
Sample ID: CCV	SampType: CCV	TestCode: HG_CTS	Units: mg/Kg	Prep Date:	RunNo: 3879						
Client ID: CCV	Batch ID: 2410	TestNo: SW 7471B	SW 7471B	Analysis Date: 4/23/2012	SeqNo: 51852						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.260	0.0167	0.2500	0	104	90	110				

Sample ID: CCV	SampType: CCV	TestCode: HG_CTS	Units: mg/Kg	Prep Date:	RunNo: 3879						
Client ID: CCV	Batch ID: 2410	TestNo: SW 7471B	SW 7471B	Analysis Date: 4/23/2012	SeqNo: 51853						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.258	0.0167	0.2500	0	103	90	110				

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit



Specialty Analytical
11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

QC SUMMARY REPORT

WO#: 1204192

10-May-12

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: NWTPHDX_S

Sample ID: MB-2433	SampType: MBLK	TestCode: NWTPHDX_S	Units: mg/Kg	Prep Date: 4/23/2012	RunNo: 3928						
Client ID: PBS	Batch ID: 2433	TestNo: NWTPH-Dx	SW3545A	Analysis Date: 4/25/2012	SeqNo: 52446						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel	ND	15.0									
Lube Oil	ND	50.0									
Surr: o-Terphenyl	30.2		33.30		90.8	50	150				

Sample ID: LCS-2433	SampType: LCS	TestCode: NWTPHDX_S	Units: mg/Kg	Prep Date: 4/23/2012	RunNo: 3928						
Client ID: LCSS	Batch ID: 2433	TestNo: NWTPH-Dx	SW3545A	Analysis Date: 4/25/2012	SeqNo: 52447						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel	162	15.0	166.5	0	97.1	76.3	125				
Lube Oil	160	50.0	166.5	0	96.0	69.9	127				

Sample ID: CCV	SampType: CCV	TestCode: NWTPHDX_S	Units: mg/Kg	Prep Date:	RunNo: 3928						
Client ID: CCV	Batch ID: 2433	TestNo: NWTPH-Dx	SW3545A	Analysis Date: 4/26/2012	SeqNo: 52675						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel	1,050	15.0	1,022	0	102	85	115				
Lube Oil	492	50.0	524.5	0	93.8	85	115				

Sample ID: CCV	SampType: CCV	TestCode: NWTPHDX_S	Units: mg/Kg	Prep Date:	RunNo: 3928						
Client ID: CCV	Batch ID: 2433	TestNo: NWTPH-Dx	SW3545A	Analysis Date: 4/26/2012	SeqNo: 52678						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

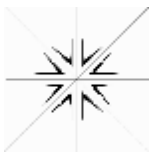
Diesel	1,430	15.0	1,363	0	105	85	115				
Lube Oil	599	50.0	699.3	0	85.7	85	115				

Qualifiers:

B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit



Specialty Analytical
11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

QC SUMMARY REPORT

WO#: 1204192

10-May-12

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: NWTPHDX_S

Sample ID: CCV	SampType: CCV	TestCode: NWTPHDX_S	Units: mg/Kg	Prep Date:	RunNo: 4116						
Client ID: CCV	Batch ID: 2506	TestNo: NWTPH-Dx	SW3545A	Analysis Date: 5/7/2012	SeqNo: 55110						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel	1,350	15.0	1,363	0	99.3	85	115				
Lube Oil	679	50.0	672.0	0	101	85	115				

Sample ID: MB-2506	SampType: MBLK	TestCode: NWTPHDX_S	Units: mg/Kg	Prep Date: 5/3/2012	RunNo: 4116						
Client ID: PBS	Batch ID: 2506	TestNo: NWTPH-Dx	SW3545A	Analysis Date: 5/7/2012	SeqNo: 55111						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel	ND	15.0									
Lube Oil	ND	50.0									
Surr: o-Terphenyl	33.5		33.30		101	50	150				

Sample ID: LCS-2506		SampType: LCS		TestCode: NWTPHDX_S		Units: mg/Kg		Prep Date: 5/3/2012		RunNo: 4116			
Client ID: LCSS		Batch ID: 2506		TestNo: NWTPH-Dx		SW3545A		Analysis Date: 5/7/2012		SeqNo: 55112			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel	176	15.0	166.5	0	105	76.3	125				
Lube Oil	164	50.0	166.5	0	98.7	69.9	127				

Sample ID: 1204207-010ADUP	SampType: DUP	TestCode: NWTPHDX_S	Units: mg/Kg-dry	Prep Date: 5/3/2012	RunNo: 4116						
Client ID: ZZZZZZ	Batch ID: 2506	TestNo: NWTPH-Dx	SW3545A	Analysis Date: 5/7/2012	SeqNo: 55116						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel	ND	19.5						0	0	20	
Lube Oil	167	65.1						139.5	17.9	20	

Qualifiers:

B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit



Specialty Analytical
11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

QC SUMMARY REPORT

WO#: 1204192

10-May-12

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: NWTPHDX_S

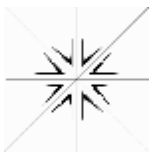
Sample ID: CCV	SampType: CCV	TestCode: NWTPHDX_S Units: mg/Kg				Prep Date:			RunNo: 4116		
Client ID: CCV	Batch ID: 2506	TestNo: NWTPH-Dx		SW3545A		Analysis Date: 5/7/2012			SeqNo: 55117		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	1,030	15.0	1,022	0	101	85	115				
Lube Oil	537	50.0	524.5	0	102	85	115				

Qualifiers:

B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit



Specialty Analytical
11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

QC SUMMARY REPORT

WO#: 1204192

10-May-12

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: NWTPHGX_SA

Sample ID: LCS-2509	SampType: LCS	TestCode: NWTPHGX_S	Units: mg/Kg	Prep Date: 5/3/2012	RunNo: 4081						
Client ID: LCSS	Batch ID: 2509	TestNo: NWTPH-Gx	SW5035A	Analysis Date: 5/3/2012	SeqNo: 54725						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	45.7	2.50	50.00	0	91.3	53.5	121				

Sample ID: MB-2509	SampType: MBLK	TestCode: NWTPHGX_S	Units: mg/Kg	Prep Date: 5/3/2012	RunNo: 4081						
Client ID: PBS	Batch ID: 2509	TestNo: NWTPH-Gx	SW5035A	Analysis Date: 5/3/2012	SeqNo: 54726						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	2.50									
Surr: 4-Bromofluorobenzene	4.42		5.000		88.5	50	150				

Sample ID: 1204192-004CDUP	SampType: DUP	TestCode: NWTPHGX_S	Units: mg/Kg-dry	Prep Date: 5/3/2012	RunNo: 4081						
Client ID: GP15-S-4.5	Batch ID: 2509	TestNo: NWTPH-Gx	SW5035A	Analysis Date: 5/3/2012	SeqNo: 54728						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	7.49						0	0	20	

Sample ID: CCV	SampType: CCV	TestCode: NWTPHGX_S	Units: mg/Kg	Prep Date:	RunNo: 4081						
Client ID: CCV	Batch ID: 2509	TestNo: NWTPH-Gx	SW5035A	Analysis Date: 5/4/2012	SeqNo: 54896						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	127	2.50	125.0	0	102	80	120				

Sample ID: CCV	SampType: CCV	TestCode: NWTPHGX_S	Units: mg/Kg	Prep Date:	RunNo: 4081						
Client ID: CCV	Batch ID: 2509	TestNo: NWTPH-Gx	SW5035A	Analysis Date: 5/4/2012	SeqNo: 54901						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:

B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit



Specialty Analytical
11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

QC SUMMARY REPORT

WO#: 1204192

10-May-12

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

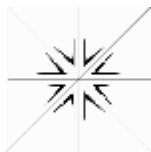
TestCode: NWTPHGX_SA

Sample ID: CCV	SampType: CCV	TestCode: NWTPHGX_S Units: mg/Kg				Prep Date:			RunNo: 4081		
Client ID: CCV	Batch ID: 2509	TestNo: NWTPH-Gx		SW5035A		Analysis Date: 5/4/2012			SeqNo: 54901		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	143	2.50	150.0	0	95.2	80	120				

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit



Specialty Analytical
11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

QC SUMMARY REPORT

WO#: 1204192

10-May-12

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: PAHLL_S

Sample ID: CCV-2502	SampType: CCV	TestCode: PAHLL_S	Units: µg/Kg	Prep Date:	RunNo: 4077						
Client ID: CCV	Batch ID: 2502	TestNo: SW8270D	SW 3545A	Analysis Date: 5/4/2012	SeqNo: 54684						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Methylnaphthalene	76.7	6.67	66.67	0	115	80	120				
2-Methylnaphthalene	59.3	6.67	66.67	0	89.0	80	120				
Acenaphthene	58.7	6.67	66.67	0	88.0	80	120				
Acenaphthylene	59.3	6.67	66.67	0	89.0	80	120				
Anthracene	59.3	6.67	66.67	0	89.0	80	120				
Benz(a)anthracene	56.7	6.67	66.67	0	85.0	80	120				
Benzo(a)pyrene	57.3	6.67	66.67	0	86.0	80	120				
Benzo(b)fluoranthene	65.3	6.67	66.67	0	98.0	80	120				
Benzo(g,h,i)perylene	56.7	6.67	66.67	0	85.0	80	120				
Benzo(k)fluoranthene	68.0	6.67	66.67	0	102	80	120				
Chrysene	67.3	6.67	66.67	0	101	80	120				
Dibenz(a,h)anthracene	55.3	6.67	66.67	0	83.0	80	120				
Fluoranthene	63.3	6.67	66.67	0	95.0	80	120				
Fluorene	65.3	6.67	66.67	0	98.0	80	120				
Indeno(1,2,3-cd)pyrene	56.7	6.67	66.67	0	85.0	80	120				
Naphthalene	58.7	6.67	66.67	0	88.0	80	120				
Phenanthrene	56.0	6.67	66.67	0	84.0	80	120				
Pyrene	60.7	6.67	66.67	0	91.0	80	120				

Sample ID: MB-2502	SampType: MBLK	TestCode: PAHLL_S	Units: µg/Kg	Prep Date: 5/3/2012	RunNo: 4077						
Client ID: PBS	Batch ID: 2502	TestNo: SW8270D	SW 3545A	Analysis Date: 5/4/2012	SeqNo: 54685						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Methylnaphthalene	ND	6.67									
2-Methylnaphthalene	ND	6.67									

Qualifiers:

B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit



Specialty Analytical
11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

QC SUMMARY REPORT

WO#: 1204192

10-May-12

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: PAHLL_S

Sample ID: MB-2502	SampType: MBLK	TestCode: PAHLL_S	Units: µg/Kg	Prep Date: 5/3/2012	RunNo: 4077						
Client ID: PBS	Batch ID: 2502	TestNo: SW8270D	SW 3545A	Analysis Date: 5/4/2012	SeqNo: 54685						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	6.67									
Acenaphthylene	ND	6.67									
Anthracene	ND	6.67									
Benz(a)anthracene	ND	6.67									
Benzo(a)pyrene	ND	6.67									
Benzo(b)fluoranthene	ND	6.67									
Benzo(g,h,i)perylene	ND	6.67									
Benzo(k)fluoranthene	ND	6.67									
Chrysene	ND	6.67									
Dibenz(a,h)anthracene	ND	6.67									
Fluoranthene	ND	6.67									
Fluorene	ND	6.67									
Indeno(1,2,3-cd)pyrene	ND	6.67									
Naphthalene	ND	6.67									
Phenanthrene	ND	6.67									
Pyrene	ND	6.67									
Surr: 2-Fluorobiphenyl	4,180		6,667		62.7	42.6	128				
Surr: Nitrobenzene-d5	4,760		6,667		71.4	21.7	155				
Surr: p-Terphenyl-d14	6,840		6,667		103	44.9	155				

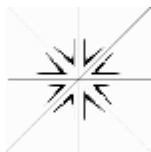
Sample ID: LCS-2502	SampType: LCS	TestCode: PAHLL_S	Units: µg/Kg	Prep Date: 5/3/2012	RunNo: 4077						
Client ID: LCSS	Batch ID: 2502	TestNo: SW8270D	SW 3545A	Analysis Date: 5/4/2012	SeqNo: 54687						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	235	6.67	333.3	0	70.4	39.6	107				

Qualifiers:

B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit



Specialty Analytical
11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

QC SUMMARY REPORT

WO#: 1204192

10-May-12

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: PAHLL_S

Sample ID: LCS-2502	SampType: LCS	TestCode: PAHLL_S	Units: µg/Kg	Prep Date: 5/3/2012	RunNo: 4077						
Client ID: LCSS	Batch ID: 2502	TestNo: SW8270D	SW 3545A	Analysis Date: 5/4/2012	SeqNo: 54687						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthylene	239	6.67	333.3	0	71.8	38.9	102				
Anthracene	293	6.67	333.3	0	88.0	43.4	119				
Benz(a)anthracene	333	6.67	333.3	0	99.8	48.4	121				
Benzo(a)pyrene	335	6.67	333.3	0	101	37.7	137				
Benzo(b)fluoranthene	386	6.67	333.3	0	116	58.6	117				
Benzo(g,h,i)perylene	352	6.67	333.3	0	106	49.7	135				
Benzo(k)fluoranthene	370	6.67	333.3	0	111	46.1	124				
Chrysene	364	6.67	333.3	0	109	57.1	130				
Dibenz(a,h)anthracene	361	6.67	333.3	0	108	44.2	124				
Fluoranthene	359	6.67	333.3	0	108	53.4	113				
Fluorene	254	6.67	333.3	0	76.2	37.1	114				
Indeno(1,2,3-cd)pyrene	353	6.67	333.3	0	106	47.9	121				
Naphthalene	235	6.67	333.3	0	70.6	29.1	109				
Phenanthrene	277	6.67	333.3	0	83.0	48.4	115				
Pyrene	309	6.67	333.3	0	92.8	47.2	134				

Sample ID: 1204192-005AMS	SampType: MS	TestCode: PAHLL_S	Units: µg/Kg-dry	Prep Date: 5/3/2012	RunNo: 4077						
Client ID: GP15-S-2.0	Batch ID: 2502	TestNo: SW8270D	SW 3545A	Analysis Date: 5/4/2012	SeqNo: 54688						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	306	7.98	399.0	1.596	76.2	33.7	111				
Acenaphthylene	326	7.98	399.0	15.16	77.8	32.3	125				
Anthracene	317	7.98	399.0	3.990	78.4	42.7	121				
Benz(a)anthracene	361	7.98	399.0	1.596	90.0	63.4	121				
Benzo(a)pyrene	319	7.98	399.0	3.990	79.0	64.6	110				

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit



Specialty Analytical
11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

QC SUMMARY REPORT

WO#: 1204192

10-May-12

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: PAHLL_S

Sample ID: 1204192-005AMS	SampType: MS	TestCode: PAHLL_S	Units: µg/Kg-dry	Prep Date: 5/3/2012	RunNo: 4077						
Client ID: GP15-S-2.0	Batch ID: 2502	TestNo: SW8270D	SW 3545A	Analysis Date: 5/4/2012	SeqNo: 54688						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(b)fluoranthene	385	7.98	399.0	3.990	95.6	41.6	172				
Benzo(g,h,i)perylene	308	7.98	399.0	0	77.2	15	128				
Benzo(k)fluoranthene	402	7.98	399.0	3.990	99.8	47.9	140				
Chrysene	314	7.98	399.0	6.385	77.0	37.5	125				
Dibenz(a,h)anthracene	326	7.98	399.0	1.596	81.4	23.6	125				
Fluoranthene	449	7.98	399.0	54.27	99.0	56.8	141				
Fluorene	333	7.98	399.0	5.587	82.0	48.6	117				
Indeno(1,2,3-cd)pyrene	291	7.98	399.0	2.394	72.2	26.8	133				
Naphthalene	326	7.98	399.0	12.77	78.6	27.7	108				
Phenanthrene	401	7.98	399.0	22.35	94.8	20.2	139				
Pyrene	394	7.98	399.0	71.83	80.8	26.8	142				

Sample ID: 1204192-005AMSD	SampType: MSD	TestCode: PAHLL_S	Units: µg/Kg-dry	Prep Date: 5/3/2012	RunNo: 4077						
Client ID: GP15-S-2.0	Batch ID: 2502	TestNo: SW8270D	SW 3545A	Analysis Date: 5/4/2012	SeqNo: 54689						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	293	7.98	399.0	1.596	73.0	33.7	111	305.7	4.27	20	
Acenaphthylene	305	7.98	399.0	15.16	72.6	32.3	125	325.6	6.58	20	
Anthracene	329	7.98	399.0	3.990	81.4	42.7	121	316.8	3.71	20	
Benz(a)anthracene	271	7.98	399.0	1.596	67.4	63.4	121	360.7	28.6	20	R
Benzo(a)pyrene	342	7.98	399.0	3.990	84.8	64.6	110	319.2	7.00	20	
Benzo(b)fluoranthene	454	7.98	399.0	3.990	113	41.6	172	385.5	16.3	20	
Benzo(g,h,i)perylene	328	7.98	399.0	0	82.2	15	128	308.1	6.27	20	
Benzo(k)fluoranthene	326	7.98	399.0	3.990	80.8	47.9	140	402.2	20.8	20	R
Chrysene	402	7.98	399.0	6.385	99.2	37.5	125	313.6	24.7	20	R

Qualifiers:

B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit



Specialty Analytical
11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

QC SUMMARY REPORT

WO#: 1204192

10-May-12

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: PAHLL_S

Sample ID: 1204192-005AMSD	SampType: MSD	TestCode: PAHLL_S	Units: µg/Kg-dry	Prep Date: 5/3/2012	RunNo: 4077						
Client ID: GP15-S-2.0	Batch ID: 2502	TestNo: SW8270D	SW 3545A	Analysis Date: 5/4/2012	SeqNo: 54689						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibenz(a,h)anthracene	322	7.98	399.0	1.596	80.2	23.6	125	326.4	1.48	20	
Fluoranthene	414	7.98	399.0	54.27	90.2	56.8	141	449.3	8.13	20	
Fluorene	305	7.98	399.0	5.587	75.0	48.6	117	332.8	8.76	20	
Indeno(1,2,3-cd)pyrene	331	7.98	399.0	2.394	82.4	26.8	133	290.5	13.1	20	
Naphthalene	294	7.98	399.0	12.77	70.6	27.7	108	326.4	10.3	20	
Phenanthrene	366	7.98	399.0	22.35	86.2	20.2	139	400.6	8.95	20	
Pyrene	404	7.98	399.0	71.83	83.2	26.8	142	394.3	2.40	20	

Qualifiers:

B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

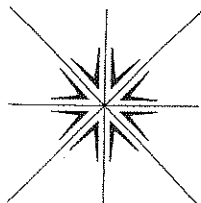
KEY TO FLAGS

Rev. May 12, 2010

- A This sample contains a Gasoline Range Organic not identified as a specific hydrocarbon product. The result was quantified against gasoline calibration standards
- A1 This sample contains a Diesel Range Organic not identified as a specific hydrocarbon product. The result was quantified against diesel calibration standards.
- A2 This sample contains a Lube Oil Range Organic not identified as a specific hydrocarbon product. The result was quantified against a lube oil calibration standard.
- A3 The result was determined to be Non-Detect based on hydrocarbon pattern recognition. The product was carry-over from another hydrocarbon type.
- A4 The product appears to be aged or degraded diesel.
- B The blank exhibited a positive result great than the reporting limit for this compound.
- CN See Case Narrative.
- D Result is based from a dilution.
- E Result exceeds the calibration range for this compound. The result should be considered as estimate.
- F The positive result for this hydrocarbon is due to single component contamination. The product does not match any hydrocarbon in the fuels library.
- G Result may be biased high due to biogenic interferences. Clean up is recommended.
- H Sample was analyzed outside recommended holding time.
- HT At clients request, samples was analyzed outside of recommended holding time.
- J The result for this analyte is between the MDL and the PQL and should be considered as estimated concentration.
- K Diesel result is biased high due to amount of Oil contained in the sample.
- L Diesel result is biased high due to amount of Gasoline contained in the sample.
- M Oil result is biased high due to amount of Diesel contained in the sample.
- MC Sample concentration is greater than 4x the spiked value, the spiked value is considered insignificant.
- MI Result is outside control limits due to matrix interference.
- MSA Value determined by Method of Standard Addition.
- O Laboratory Control Standard (LCS) exceeded laboratory control limits, but meets CCV criteria. Data meets EPA requirements.
- Q Detection levels elevated due to sample matrix.
- R RPD control limits were exceeded.
- RF Duplicate failed due to result being at or near the method-reporting limit.
- RP Matrix spike values exceed established QC limits; post digestion spike is in control.
- S Recovery is outside control limits.
- SC Closing CCV or LCS exceeded high recovery control limits, but associated samples are non-detect. Data meets EPA requirements.
- * The result for this parameter was greater than the maximum contaminant level of the TCLP regulatory limit.

CHAIN OF CUSTODY RECORD

Page ____ of ____



Specialty Analytical

11711 SE Capps Road
Clackamas, OR 97015
Phone: 503-607-1331
Fax: 503-607-1336

Contact Person/Project Manager CHRISTINA JOHNSON
Company MFA
Address 400 MILL PLAIN BLVD. SUITE 400
VALUVER, WA 98060
Phone 360-694-2691 Fax 360-906-1958
Project No. 05104.01.031 Project Name 32nd STREET
Project Site Location OR WA Other _____
Invoice To same P.O. No. _____

Collected By: _____
Signature [Signature]
Printed LINDSEY CROSBY

Signature _____
Printed _____

Turn Around Time

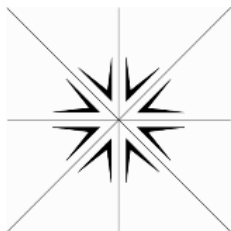
☐ Normal 5-7 Business Days

☐ Rush _____

Specify

Rush Analyses Must Be Scheduled With The Lab In Advance

				No. of Containers	Analyses										For Laboratory Use	
Date	Time	Sample I.D.	Matrix		HClD	Total PCBs	VOCs	*DX	PAH	PCB	HClD	Lab Job No.	Shipped Via	Air Bill No.		
4/19/12	1530	GP14-S-8.5	S	6	X	X	X	X				1204192				
	1400	GP15-S-7.5			X	X	X				X					
	1500	GP14-S-4.0			X	X	X				X					
	1345	GP15-S-4.5			X	X	X				X					
	1330	GP15-S-2.0			X	X	X	X	X	X						
	1230	GP16-S-14.0			X	X	X									
	1130	GP16-S-1.0			X	X	X									
	10:40	GP03-S-1.0			X	X	X									
	09:30	GP05-S-1.0			X	X	X	X								
	10:00	GP04-S-1.0			X	X	X									
	11:00	GP03-S-9.0			X	X	X				X					
Relinquished By: <u>[Signature]</u>				Date	Time	Received By: <u>[Signature]</u>				Relinquished By: <u>[Signature]</u>				Date	Time	
Company: <u>Manufacturing</u>				4/20/12	11:17	Company: <u>[Signature]</u>				Company: <u>[Signature]</u>				4/20/12	15:15	
Unless Reclaimed, Samples Will Be Disposed of 60 Days After Receipt. Samples held beyond 60 days subject to storage fee(s)										Received For Lab By: <u>[Signature]</u>				Date	Time	
														4/20/12	15:15	



Specialty Analytical

11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

May 08, 2012

Christina Johnson
Maul Foster & Alongi
400 E. Mill Plain Blvd.
Suite 400
Vancouver, Washington 98660
TEL: (360) 694-2691
FAX: (360) 906-1958
RE: 32nd Street / 0564.01.03T01

Dear Christina Johnson:

Order No.: 1204193

Specialty Analytical received 3 sample(s) on 4/20/2012 for the analyses presented in the following report.

There were no problems with the analysis and all data for associated QC met EPA or laboratory specifications, except where noted in the Case Narrative, or as qualified with flags. Results apply only to the samples analyzed. Without approval of the laboratory, the reproduction of this report is only permitted in its entirety.

If you have any questions regarding these tests, please feel free to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Marty French". The signature is stylized with a cursive, flowing script.

Marty French
Lab Director

Specialty Analytical

Date Reported: 08-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01
Lab ID: 1204193-001
Client Sample ID: GP15-W-25.0

Collection Date: 4/19/2012 1:50:00 PM

Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH HCID						
NWHCID						Analyst: kbh
Diesel	ND	0.606		mg/L	1	4/24/2012 8:09:00 AM
Gasoline	ND	0.241		mg/L	1	4/24/2012 8:09:00 AM
Kerosene	ND	0.606		mg/L	1	4/24/2012 8:09:00 AM
Lube Oil	ND	0.606		mg/L	1	4/24/2012 8:09:00 AM
Mineral Spirits	ND	0.241		mg/L	1	4/24/2012 8:09:00 AM
Surr: BFB	45.1	30.2-133		%REC	1	4/24/2012 8:09:00 AM
Surr: o-Terphenyl	64.6	50-150		%REC	1	4/24/2012 8:09:00 AM
RCRA 8 AQUEOUS						
SW6010C						Analyst: CT
Arsenic	ND	0.020		mg/L	1	4/24/2012 6:36:09 PM
Barium	0.145	0.010		mg/L	1	4/24/2012 6:36:09 PM
Cadmium	ND	0.001		mg/L	1	4/24/2012 6:36:09 PM
Chromium	0.028	0.005		mg/L	1	4/24/2012 6:36:09 PM
Lead	ND	0.020		mg/L	1	4/24/2012 6:36:09 PM
Selenium	ND	0.020		mg/L	1	4/24/2012 6:36:09 PM
Silver	ND	0.010		mg/L	1	4/25/2012 11:03:58 AM
RCRA 8 AQUEOUS						
E7470A						Analyst: CT
Mercury	ND	0.00010		mg/L	1	4/24/2012 3:08:50 PM
VOLATILE ORGANICS BY GC/MS						
SW8260B						Analyst: rg
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM
1,1,1-Trichloroethane	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM
1,1-Dichloroethane	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM
1,1-Dichloroethene	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM
1,1-Dichloropropene	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM
1,2,3-Trichlorobenzene	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM
1,2-Dibromoethane	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM
1,2-Dichloroethane	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM
1,2-Dichloropropane	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM

Specialty Analytical

Date Reported: 08-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01
Lab ID: 1204193-001
Client Sample ID: GP15-W-25.0

Collection Date: 4/19/2012 1:50:00 PM

Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS BY GC/MS		SW8260B				Analyst: rg
1,3-Dichloropropane	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM
2,2-Dichloropropane	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM
2-Butanone	ND	10.0		µg/L	1	4/26/2012 7:14:00 PM
2-Chlorotoluene	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM
2-Hexanone	ND	10.0		µg/L	1	4/26/2012 7:14:00 PM
4-Chlorotoluene	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM
4-Isopropyltoluene	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM
4-Methyl-2-pentanone	ND	20.0		µg/L	1	4/26/2012 7:14:00 PM
Acetone	ND	50.0		µg/L	1	4/26/2012 7:14:00 PM
Acrylonitrile	ND	5.00		µg/L	1	4/26/2012 7:14:00 PM
Benzene	ND	0.300		µg/L	1	4/26/2012 7:14:00 PM
Bromobenzene	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM
Bromochloromethane	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM
Bromodichloromethane	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM
Bromoform	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM
Bromomethane	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM
Carbon disulfide	ND	2.00		µg/L	1	4/26/2012 7:14:00 PM
Carbon tetrachloride	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM
Chlorobenzene	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM
Chloroethane	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM
Chloroform	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM
Chloromethane	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM
Dibromochloromethane	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM
Dibromomethane	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM
Dichlorodifluoromethane	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM
Ethylbenzene	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM
Hexachlorobutadiene	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM
Isopropylbenzene	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM
m,p-Xylene	ND	2.00		µg/L	1	4/26/2012 7:14:00 PM
Methyl tert-butyl ether	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM
Methylene chloride	ND	20.0		µg/L	1	4/26/2012 7:14:00 PM
Naphthalene	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM
n-Butylbenzene	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM
n-Propylbenzene	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM
o-Xylene	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM
sec-Butylbenzene	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM

Specialty Analytical

Date Reported: 08-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01
Lab ID: 1204193-001
Client Sample ID: GP15-W-25.0

Collection Date: 4/19/2012 1:50:00 PM

Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS BY GC/MS		SW8260B		Analyst: rg		
Styrene	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM
tert-Butylbenzene	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM
Tetrachloroethene	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM
Toluene	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM
Trichloroethene	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM
Trichlorofluoromethane	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM
Vinyl chloride	ND	1.00		µg/L	1	4/26/2012 7:14:00 PM
Surr: 1,2-Dichloroethane-d4	92.4	72.2-129		%REC	1	4/26/2012 7:14:00 PM
Surr: 4-Bromofluorobenzene	112	73.5-125		%REC	1	4/26/2012 7:14:00 PM
Surr: Dibromofluoromethane	101	58.8-148		%REC	1	4/26/2012 7:14:00 PM
Surr: Toluene-d8	120	79.8-137		%REC	1	4/26/2012 7:14:00 PM

Specialty Analytical

Date Reported: 08-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01
Lab ID: 1204193-002
Client Sample ID: GP14-W-25.0

Collection Date: 4/19/2012 4:00:00 PM

Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH HCID						
NWHCID						Analyst: kbh
Diesel	ND	0.606		mg/L	1	4/24/2012 8:09:00 AM
Gasoline	ND	0.240		mg/L	1	4/24/2012 8:09:00 AM
Kerosene	ND	0.606		mg/L	1	4/24/2012 8:09:00 AM
Lube Oil	ND	0.606		mg/L	1	4/24/2012 8:09:00 AM
Mineral Spirits	ND	0.240		mg/L	1	4/24/2012 8:09:00 AM
Surr: BFB	38.0	30.2-133		%REC	1	4/24/2012 8:09:00 AM
Surr: o-Terphenyl	54.3	50-150		%REC	1	4/24/2012 8:09:00 AM
RCRA 8 AQUEOUS						
SW6010C						Analyst: CT
Arsenic	ND	0.020		mg/L	1	4/24/2012 6:40:44 PM
Barium	ND	0.010		mg/L	1	4/24/2012 6:40:44 PM
Cadmium	ND	0.001		mg/L	1	4/24/2012 6:40:44 PM
Chromium	0.006	0.005		mg/L	1	4/24/2012 6:40:44 PM
Lead	ND	0.020		mg/L	1	4/24/2012 6:40:44 PM
Selenium	ND	0.020		mg/L	1	4/24/2012 6:40:44 PM
Silver	ND	0.010		mg/L	1	4/25/2012 11:08:29 AM
RCRA 8 AQUEOUS						
E7470A						Analyst: CT
Mercury	ND	0.00010		mg/L	1	4/24/2012 3:08:50 PM
VOLATILE ORGANICS BY GC/MS						
SW8260B						Analyst: rg
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM
1,1,1-Trichloroethane	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM
1,1-Dichloroethane	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM
1,1-Dichloroethene	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM
1,1-Dichloropropene	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM
1,2,3-Trichlorobenzene	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM
1,2-Dibromoethane	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM
1,2-Dichloroethane	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM
1,2-Dichloropropane	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM

Specialty Analytical

Date Reported: 08-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01
Lab ID: 1204193-002
Client Sample ID: GP14-W-25.0

Collection Date: 4/19/2012 4:00:00 PM

Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS BY GC/MS		SW8260B				Analyst: rg
1,3-Dichloropropane	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM
2,2-Dichloropropane	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM
2-Butanone	ND	10.0		µg/L	1	4/26/2012 7:48:00 PM
2-Chlorotoluene	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM
2-Hexanone	ND	10.0		µg/L	1	4/26/2012 7:48:00 PM
4-Chlorotoluene	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM
4-Isopropyltoluene	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM
4-Methyl-2-pentanone	ND	20.0		µg/L	1	4/26/2012 7:48:00 PM
Acetone	ND	50.0		µg/L	1	4/26/2012 7:48:00 PM
Acrylonitrile	ND	5.00		µg/L	1	4/26/2012 7:48:00 PM
Benzene	ND	0.300		µg/L	1	4/26/2012 7:48:00 PM
Bromobenzene	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM
Bromochloromethane	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM
Bromodichloromethane	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM
Bromoform	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM
Bromomethane	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM
Carbon disulfide	ND	2.00		µg/L	1	4/26/2012 7:48:00 PM
Carbon tetrachloride	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM
Chlorobenzene	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM
Chloroethane	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM
Chloroform	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM
Chloromethane	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM
Dibromochloromethane	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM
Dibromomethane	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM
Dichlorodifluoromethane	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM
Ethylbenzene	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM
Hexachlorobutadiene	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM
Isopropylbenzene	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM
m,p-Xylene	ND	2.00		µg/L	1	4/26/2012 7:48:00 PM
Methyl tert-butyl ether	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM
Methylene chloride	ND	20.0		µg/L	1	4/26/2012 7:48:00 PM
Naphthalene	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM
n-Butylbenzene	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM
n-Propylbenzene	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM
o-Xylene	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM
sec-Butylbenzene	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM

Specialty Analytical

Date Reported: 08-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01
Lab ID: 1204193-002
Client Sample ID: GP14-W-25.0

Collection Date: 4/19/2012 4:00:00 PM

Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS BY GC/MS		SW8260B				Analyst: rg
Styrene	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM
tert-Butylbenzene	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM
Tetrachloroethene	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM
Toluene	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM
Trichloroethene	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM
Trichlorofluoromethane	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM
Vinyl chloride	ND	1.00		µg/L	1	4/26/2012 7:48:00 PM
Surr: 1,2-Dichloroethane-d4	103	72.2-129		%REC	1	4/26/2012 7:48:00 PM
Surr: 4-Bromofluorobenzene	103	73.5-125		%REC	1	4/26/2012 7:48:00 PM
Surr: Dibromofluoromethane	120	58.8-148		%REC	1	4/26/2012 7:48:00 PM
Surr: Toluene-d8	112	79.8-137		%REC	1	4/26/2012 7:48:00 PM

Specialty Analytical

Date Reported: 08-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01
Lab ID: 1204193-003
Client Sample ID: GP16-W-25.0

Collection Date: 4/19/2012 12:00:00 PM

Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH HCID		NWHCID		Analyst: kbh		
Diesel	ND	0.612		mg/L	1	4/24/2012 8:09:00 AM
Gasoline	ND	0.243		mg/L	1	4/24/2012 8:09:00 AM
Kerosene	ND	0.612		mg/L	1	4/24/2012 8:09:00 AM
Lube Oil	ND	0.612		mg/L	1	4/24/2012 8:09:00 AM
Mineral Spirits	ND	0.243		mg/L	1	4/24/2012 8:09:00 AM
Surr: BFB	53.5	30.2-133		%REC	1	4/24/2012 8:09:00 AM
Surr: o-Terphenyl	80.5	50-150		%REC	1	4/24/2012 8:09:00 AM
RCRA 8 AQUEOUS		SW6010C		Analyst: CT		
Arsenic	ND	0.020		mg/L	1	4/24/2012 6:45:20 PM
Barium	0.203	0.010		mg/L	1	4/24/2012 6:45:20 PM
Cadmium	ND	0.001		mg/L	1	4/24/2012 6:45:20 PM
Chromium	0.035	0.005		mg/L	1	4/24/2012 6:45:20 PM
Lead	ND	0.020		mg/L	1	4/24/2012 6:45:20 PM
Selenium	ND	0.020		mg/L	1	4/24/2012 6:45:20 PM
Silver	ND	0.010		mg/L	1	4/25/2012 11:13:03 AM
RCRA 8 AQUEOUS		E7470A		Analyst: CT		
Mercury	ND	0.00010		mg/L	1	4/24/2012 3:08:50 PM
VOLATILE ORGANICS BY GC/MS		SW8260B		Analyst: rg		
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM
1,1,1-Trichloroethane	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM
1,1-Dichloroethane	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM
1,1-Dichloroethene	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM
1,1-Dichloropropene	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM
1,2,3-Trichlorobenzene	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM
1,2-Dibromoethane	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM
1,2-Dichloroethane	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM
1,2-Dichloropropane	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM

Specialty Analytical

Date Reported: 08-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01
Lab ID: 1204193-003
Client Sample ID: GP16-W-25.0

Collection Date: 4/19/2012 12:00:00 PM

Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS BY GC/MS		SW8260B				Analyst: rg
1,3-Dichloropropane	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM
2,2-Dichloropropane	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM
2-Butanone	ND	10.0		µg/L	1	4/26/2012 8:22:00 PM
2-Chlorotoluene	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM
2-Hexanone	ND	10.0		µg/L	1	4/26/2012 8:22:00 PM
4-Chlorotoluene	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM
4-Isopropyltoluene	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM
4-Methyl-2-pentanone	ND	20.0		µg/L	1	4/26/2012 8:22:00 PM
Acetone	ND	50.0		µg/L	1	4/26/2012 8:22:00 PM
Acrylonitrile	ND	5.00		µg/L	1	4/26/2012 8:22:00 PM
Benzene	ND	0.300		µg/L	1	4/26/2012 8:22:00 PM
Bromobenzene	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM
Bromochloromethane	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM
Bromodichloromethane	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM
Bromoform	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM
Bromomethane	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM
Carbon disulfide	ND	2.00		µg/L	1	4/26/2012 8:22:00 PM
Carbon tetrachloride	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM
Chlorobenzene	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM
Chloroethane	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM
Chloroform	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM
Chloromethane	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM
Dibromochloromethane	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM
Dibromomethane	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM
Dichlorodifluoromethane	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM
Ethylbenzene	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM
Hexachlorobutadiene	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM
Isopropylbenzene	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM
m,p-Xylene	ND	2.00		µg/L	1	4/26/2012 8:22:00 PM
Methyl tert-butyl ether	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM
Methylene chloride	ND	20.0		µg/L	1	4/26/2012 8:22:00 PM
Naphthalene	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM
n-Butylbenzene	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM
n-Propylbenzene	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM
o-Xylene	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM
sec-Butylbenzene	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM

Specialty Analytical

Date Reported: 08-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01
Lab ID: 1204193-003
Client Sample ID: GP16-W-25.0

Collection Date: 4/19/2012 12:00:00 PM

Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS BY GC/MS		SW8260B				Analyst: rg
Styrene	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM
tert-Butylbenzene	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM
Tetrachloroethene	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM
Toluene	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM
Trichloroethene	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM
Trichlorofluoromethane	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM
Vinyl chloride	ND	1.00		µg/L	1	4/26/2012 8:22:00 PM
Surr: 1,2-Dichloroethane-d4	101	72.2-129		%REC	1	4/26/2012 8:22:00 PM
Surr: 4-Bromofluorobenzene	105	73.5-125		%REC	1	4/26/2012 8:22:00 PM
Surr: Dibromofluoromethane	116	58.8-148		%REC	1	4/26/2012 8:22:00 PM
Surr: Toluene-d8	112	79.8-137		%REC	1	4/26/2012 8:22:00 PM

QC SUMMARY REPORT

WO#: 1204193

08-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: 6010_W

Sample ID: ICV	SampType: ICV	TestCode: 6010_W		Units: mg/L	Prep Date:			RunNo: 3905			
Client ID: ICV	Batch ID: 2400	TestNo: SW6010C		SW3010A	Analysis Date: 4/24/2012			SeqNo: 52128			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.04	0.020	1.000	0	104	90	110				
Barium	0.525	0.010	0.5000	0	105	90	110				
Cadmium	0.052	0.001	0.05000	0	104	90	110				
Chromium	0.252	0.005	0.2500	0	101	90	110				
Lead	1.02	0.020	1.000	0	102	90	110				
Selenium	1.04	0.020	1.000	0	104	90	110				
Silver	0.484	0.010	0.5000	0	96.9	90	110				

Sample ID: MBLK-2400	SampType: MBLK	TestCode: 6010_W	Units: mg/L	Prep Date: 4/23/2012	RunNo: 3905						
Client ID: PBW	Batch ID: 2400	TestNo: SW6010C	SW3010A	Analysis Date: 4/24/2012	SeqNo: 52129						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.020									
Barium	ND	0.010									
Cadmium	ND	0.001									
Chromium	ND	0.005									
Lead	ND	0.020									
Selenium	ND	0.020									
Silver	ND	0.010									

Sample ID: LCS-2400	SampType: LCS	TestCode: 6010_W	Units: mg/L	Prep Date: 4/23/2012	RunNo: 3905						
Client ID: LCSW	Batch ID: 2400	TestNo: SW6010C	SW3010A	Analysis Date: 4/24/2012	SeqNo: 52130						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.03	0.020	1.000	0	103	93.8	107				

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

WO#: 1204193

08-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: 6010_W

Sample ID: LCS-2400	SampType: LCS	TestCode: 6010_W	Units: mg/L	Prep Date: 4/23/2012	RunNo: 3905						
Client ID: LCSW	Batch ID: 2400	TestNo: SW6010C	SW3010A	Analysis Date: 4/24/2012	SeqNo: 52130						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	0.515	0.010	0.5000	0	103	95	111				
Cadmium	0.051	0.001	0.05000	0	102	91.8	110				
Chromium	0.252	0.005	0.2500	0	101	93.9	113				
Lead	0.990	0.020	1.000	0	99.0	93.1	112				
Selenium	0.992	0.020	1.000	0	99.2	93.9	111				
Silver	0.462	0.010	0.5000	0	92.4	87.1	113				

Sample ID: 1204195-004BDUP	SampType: DUP	TestCode: 6010_W	Units: mg/L	Prep Date: 4/23/2012	RunNo: 3905						
Client ID: ZZZZZZ	Batch ID: 2400	TestNo: SW6010C	SW3010A	Analysis Date: 4/24/2012	SeqNo: 52132						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.020						0	0	20	
Barium	0.071	0.010						0.07510	5.47	20	
Cadmium	ND	0.001						0	0	20	
Lead	ND	0.020						0	0	20	
Selenium	ND	0.020						0	0	20	
Silver	ND	0.010						0	0	20	

Sample ID: 1204195-004BMS	SampType: MS	TestCode: 6010_W	Units: mg/L	Prep Date: 4/23/2012	RunNo: 3905						
Client ID: ZZZZZZ	Batch ID: 2400	TestNo: SW6010C	SW3010A	Analysis Date: 4/24/2012	SeqNo: 52133						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.05	0.020	1.000	0	105	90.1	110				
Barium	0.588	0.010	0.5000	0.07510	103	90.7	112				
Cadmium	0.051	0.001	0.05000	0	102	93.4	110				

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

WO#: 1204193

08-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: 6010_W

Sample ID: 1204195-004BMS	SampType: MS	TestCode: 6010_W	Units: mg/L	Prep Date: 4/23/2012	RunNo: 3905						
Client ID: ZZZZZZ	Batch ID: 2400	TestNo: SW6010C	SW3010A	Analysis Date: 4/24/2012	SeqNo: 52133						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.254	0.005	0.2500	0.005000	99.8	93.4	112				
Lead	0.970	0.020	1.000	0	97.0	91.9	112				
Selenium	1.04	0.020	1.000	0	104	93.5	113				
Silver	0.483	0.010	0.5000	0	96.6	90.1	113				

Sample ID: 1204195-004BMSD	SampType: MSD	TestCode: 6010_W	Units: mg/L	Prep Date: 4/23/2012	RunNo: 3905						
Client ID: ZZZZZZ	Batch ID: 2400	TestNo: SW6010C	SW3010A	Analysis Date: 4/24/2012	SeqNo: 52134						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.05	0.020	1.000	0	105	90.1	110	1.047	0.0955	20	
Barium	0.604	0.010	0.5000	0.07510	106	90.7	112	0.5876	2.79	20	
Cadmium	0.052	0.001	0.05000	0	104	93.4	110	0.05110	1.55	20	
Chromium	0.254	0.005	0.2500	0.005000	99.7	93.4	112	0.2544	0.0393	20	
Lead	0.985	0.020	1.000	0	98.5	91.9	112	0.9701	1.55	20	
Selenium	1.05	0.020	1.000	0	105	93.5	113	1.039	0.958	20	
Silver	0.483	0.010	0.5000	0	96.7	90.1	113	0.4829	0.103	20	

Sample ID: ICV	SampType: ICV	TestCode: 6010_W	Units: mg/L	Prep Date:	RunNo: 3905						
Client ID: ICV	Batch ID: 2400	TestNo: SW6010C	SW3010A	Analysis Date: 4/25/2012	SeqNo: 52310						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver	0.533	0.010	0.5000	0	107	90	110				

QC SUMMARY REPORT

WO#: 1204193

08-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: 6010_W

Sample ID: CCV	SampType: CCV	TestCode: 6010_W	Units: mg/L	Prep Date:				RunNo: 3905			
Client ID: CCV	Batch ID: 2400	TestNo: SW6010C	SW3010A	Analysis Date: 4/25/2012				SeqNo: 52315			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.01	0.020	1.000	0	101	90	110				
Barium	0.470	0.010	0.5000	0	93.9	90	110				
Cadmium	0.046	0.001	0.05000	0	91.4	90	110				
Chromium	0.253	0.005	0.2500	0	101	90	110				
Lead	0.968	0.020	1.000	0	96.8	90	110				
Selenium	0.966	0.020	1.000	0	96.6	90	110				
Silver	0.522	0.010	0.5000	0	104	90	110				

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

QC SUMMARY REPORT

WO#: 1204193

08-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: 8260_W

Sample ID: CCV-3971	SampType: CCV	TestCode: 8260_W	Units: µg/L	Prep Date:	RunNo: 3971						
Client ID: CCV	Batch ID: R3971	TestNo: SW8260B		Analysis Date: 4/26/2012	SeqNo: 53104						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	39.9	1.00	40.00	0	99.8	80	120				
1,2-Dichloropropane	41.8	1.00	40.00	0	104	80	120				
Chloroform	40.2	1.00	40.00	0	100	80	120				
Ethylbenzene	42.5	1.00	40.00	0	106	80	120				
Toluene	42.0	1.00	40.00	0	105	80	120				
Vinyl chloride	44.4	1.00	40.00	0	111	80	120				

Sample ID: MBLK-3971	SampType: MBLK	TestCode: 8260_W	Units: µg/L	Prep Date:					RunNo: 3971		
Client ID: PBW	Batch ID: R3971	TestNo: SW8260B	Analysis Date: 4/26/2012					SeqNo: 53106			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	1.00									
1,1,1-Trichloroethane	ND	1.00									
1,1,2,2-Tetrachloroethane	ND	1.00									
1,1,2-Trichloroethane	ND	1.00									
1,1-Dichloroethane	ND	1.00									
1,1-Dichloroethene	ND	1.00									
1,1-Dichloropropene	ND	1.00									
1,2,3-Trichlorobenzene	ND	1.00									
1,2,3-Trichloropropane	ND	1.00									
1,2,4-Trichlorobenzene	ND	1.00									
1,2,4-Trimethylbenzene	ND	1.00									
1,2-Dibromo-3-chloropropane	ND	1.00									
1,2-Dibromoethane	ND	1.00									
1,2-Dichlorobenzene	ND	1.00									

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

QC SUMMARY REPORT

WO#: 1204193

08-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: 8260_W

Sample ID: MBLK-3971	SampType: MBLK	TestCode: 8260_W	Units: µg/L	Prep Date:	RunNo: 3971						
Client ID: PBW	Batch ID: R3971	TestNo: SW8260B		Analysis Date: 4/26/2012	SeqNo: 53106						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloroethane	ND	1.00									
1,2-Dichloropropane	ND	1.00									
1,3,5-Trimethylbenzene	ND	1.00									
1,3-Dichlorobenzene	ND	1.00									
1,3-Dichloropropane	ND	1.00									
1,4-Dichlorobenzene	ND	1.00									
2,2-Dichloropropane	ND	1.00									
2-Butanone	ND	10.0									
2-Chlorotoluene	ND	1.00									
2-Hexanone	ND	10.0									
4-Chlorotoluene	ND	1.00									
4-Isopropyltoluene	ND	1.00									
4-Methyl-2-pentanone	ND	20.0									
Acetone	ND	50.0									
Acrylonitrile	ND	5.00									
Benzene	ND	0.300									
Bromobenzene	ND	1.00									
Bromochloromethane	ND	1.00									
Bromodichloromethane	ND	1.00									
Bromoform	ND	1.00									
Bromomethane	ND	1.00									
Carbon disulfide	ND	2.00									
Carbon tetrachloride	ND	1.00									
Chlorobenzene	ND	1.00									
Chloroethane	ND	1.00									
Chloroform	ND	1.00									

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

QC SUMMARY REPORT

WO#: 1204193

08-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: 8260_W

Sample ID: MBLK-3971	SampType: MBLK	TestCode: 8260_W	Units: µg/L	Prep Date:	RunNo: 3971						
Client ID: PBW	Batch ID: R3971	TestNo: SW8260B		Analysis Date: 4/26/2012	SeqNo: 53106						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloromethane	ND	1.00									
cis-1,2-Dichloroethene	ND	1.00									
cis-1,3-Dichloropropene	ND	1.00									
Dibromochloromethane	ND	1.00									
Dibromomethane	ND	1.00									
Dichlorodifluoromethane	ND	1.00									
Ethylbenzene	ND	1.00									
Hexachlorobutadiene	ND	1.00									
Isopropylbenzene	ND	1.00									
m,p-Xylene	ND	2.00									
Methyl tert-butyl ether	ND	1.00									
Methylene chloride	ND	20.0									
Naphthalene	ND	1.00									
n-Butylbenzene	ND	1.00									
n-Propylbenzene	ND	1.00									
o-Xylene	ND	1.00									
sec-Butylbenzene	ND	1.00									
Styrene	ND	1.00									
tert-Butylbenzene	ND	1.00									
Tetrachloroethene	ND	1.00									
Toluene	ND	1.00									
trans-1,2-Dichloroethene	ND	1.00									
trans-1,3-Dichloropropene	ND	1.00									
Trichloroethene	ND	1.00									
Trichlorofluoromethane	ND	1.00									
Vinyl chloride	ND	1.00									

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

QC SUMMARY REPORT

WO#: 1204193

08-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: 8260_W

Sample ID: MBLK-3971	SampType: MBLK	TestCode: 8260_W	Units: µg/L	Prep Date:	RunNo: 3971						
Client ID: PBW	Batch ID: R3971	TestNo: SW8260B		Analysis Date: 4/26/2012	SeqNo: 53106						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	103		100.0		103	72.2	129				
Surr: 4-Bromofluorobenzene	105		100.0		105	73.5	125				
Surr: Dibromofluoromethane	111		100.0		111	58.8	148				
Surr: Toluene-d8	113		100.0		113	79.8	137				

Sample ID: CCV-3971	SampType: CCV	TestCode: 8260_W	Units: µg/L	Prep Date:	RunNo: 3971						
Client ID: CCV	Batch ID: R3971	TestNo: SW8260B		Analysis Date: 4/30/2012	SeqNo: 53370						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	47.7	1.00	40.00	0	119	80	120				
1,2-Dichloropropane	41.6	1.00	40.00	0	104	80	120				
Chloroform	42.1	1.00	40.00	0	105	80	120				
Ethylbenzene	40.2	1.00	40.00	0	100	80	120				
Toluene	39.9	1.00	40.00	0	99.7	80	120				
Vinyl chloride	36.9	1.00	40.00	0	92.3	80	120				

Sample ID: CCB-3971	SampType: CCB	TestCode: 8260_W	Units: µg/L	Prep Date:	RunNo: 3971						
Client ID: CCB	Batch ID: R3971	TestNo: SW8260B		Analysis Date: 4/30/2012	SeqNo: 53371						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	1.00									
1,1,1-Trichloroethane	ND	1.00									
1,1,2,2-Tetrachloroethane	ND	1.00									
1,1,2-Trichloroethane	ND	1.00									
1,1-Dichloroethane	ND	1.00									

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

QC SUMMARY REPORT

WO#: 1204193

08-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: 8260_W

Sample ID: CCB-3971	SampType: CCB	TestCode: 8260_W	Units: µg/L	Prep Date:	RunNo: 3971						
Client ID: CCB	Batch ID: R3971	TestNo: SW8260B		Analysis Date: 4/30/2012	SeqNo: 53371						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	ND	1.00									
1,1-Dichloropropene	ND	1.00									
1,2,3-Trichlorobenzene	ND	1.00									
1,2,3-Trichloropropane	ND	1.00									
1,2,4-Trichlorobenzene	ND	1.00									
1,2,4-Trimethylbenzene	ND	1.00									
1,2-Dibromo-3-chloropropane	ND	1.00									
1,2-Dibromoethane	ND	1.00									
1,2-Dichlorobenzene	ND	1.00									
1,2-Dichloroethane	ND	1.00									
1,2-Dichloropropane	ND	1.00									
1,3,5-Trimethylbenzene	ND	1.00									
1,3-Dichlorobenzene	ND	1.00									
1,3-Dichloropropane	ND	1.00									
1,4-Dichlorobenzene	ND	1.00									
2,2-Dichloropropane	ND	1.00									
2-Butanone	ND	10.0									
2-Chlorotoluene	ND	1.00									
2-Hexanone	ND	10.0									
4-Chlorotoluene	ND	1.00									
4-Isopropyltoluene	ND	1.00									
4-Methyl-2-pentanone	ND	20.0									
Acetone	ND	50.0									
Acrylonitrile	ND	5.00									
Benzene	ND	0.300									
Bromobenzene	ND	1.00									

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

QC SUMMARY REPORT

WO#: 1204193

08-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: 8260_W

Sample ID: CCB-3971	SampType: CCB	TestCode: 8260_W	Units: µg/L	Prep Date:	RunNo: 3971						
Client ID: CCB	Batch ID: R3971	TestNo: SW8260B		Analysis Date: 4/30/2012	SeqNo: 53371						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromochloromethane	ND	1.00									
Bromodichloromethane	ND	1.00									
Bromoform	ND	1.00									
Bromomethane	ND	1.00									
Carbon disulfide	ND	2.00									
Carbon tetrachloride	ND	1.00									
Chlorobenzene	ND	1.00									
Chloroethane	ND	1.00									
Chloroform	ND	1.00									
Chloromethane	ND	1.00									
cis-1,2-Dichloroethene	ND	1.00									
cis-1,3-Dichloropropene	ND	1.00									
Dibromochloromethane	ND	1.00									
Dibromomethane	ND	1.00									
Dichlorodifluoromethane	ND	1.00									
Ethylbenzene	ND	1.00									
Hexachlorobutadiene	ND	1.00									
Isopropylbenzene	ND	1.00									
m,p-Xylene	ND	2.00									
Methyl tert-butyl ether	ND	1.00									
Methylene chloride	ND	20.0									
Naphthalene	ND	1.00									
n-Butylbenzene	ND	1.00									
n-Propylbenzene	ND	1.00									
o-Xylene	ND	1.00									
sec-Butylbenzene	ND	1.00									

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

QC SUMMARY REPORT

WO#: 1204193

08-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: 8260_W

Sample ID: CCB-3971	SampType: CCB	TestCode: 8260_W	Units: µg/L	Prep Date:					RunNo: 3971			
Client ID: CCB	Batch ID: R3971	TestNo: SW8260B			Analysis Date: 4/30/2012					SeqNo: 53371		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Styrene	ND	1.00										
tert-Butylbenzene	ND	1.00										
Tetrachloroethene	ND	1.00										
Toluene	ND	1.00										
trans-1,2-Dichloroethene	ND	1.00										
trans-1,3-Dichloropropene	ND	1.00										
Trichloroethene	ND	1.00										
Trichlorofluoromethane	ND	1.00										
Vinyl chloride	ND	1.00										
Surr: 1,2-Dichloroethane-d4	104		100.0		104	72.2	129					
Surr: 4-Bromofluorobenzene	116		100.0		116	73.5	125					
Surr: Dibromofluoromethane	119		100.0		119	58.8	148					
Surr: Toluene-d8	107		100.0		107	79.8	137					

Sample ID: A1204176-004DMS	SampType: MSD	TestCode: 8260_W	Units: µg/L	Prep Date:	RunNo: 3971						
Client ID: ZZZZZZ	Batch ID: R3971	TestNo: SW8260B		Analysis Date: 4/30/2012	SeqNo: 53373						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	42.9	1.00	40.00	0	107	51.4	176	30.27	34.4	20	RMI
Benzene	46.7	0.300	40.00	2.930	109	71.5	118	34.77	29.3	20	RMI
Chlorobenzene	41.4	1.00	40.00	0	104	79.8	114	26.14	45.3	20	RMI
Toluene	43.4	1.00	40.00	0.3300	108	79.6	121	26.78	47.4	20	RMI
Trichloroethene	44.7	1.00	40.00	0	112	73.6	120	30.62	37.4	20	RMI

QC SUMMARY REPORT

WO#: 1204193

08-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: 8260_W

Sample ID: A1204176-004DMS	SampType: MS	TestCode: 8260_W	Units: µg/L	Prep Date:	RunNo: 3971						
Client ID: ZZZZZZ	Batch ID: R3971	TestNo: SW8260B	Analysis Date: 4/30/2012	SeqNo: 53374							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	30.3	1.00	40.00	0	75.7	51.4	176				
Benzene	34.8	0.300	40.00	2.930	79.6	71.5	118				
Chlorobenzene	46.1	1.00	40.00	0	115	79.8	114				S
Toluene	46.8	1.00	40.00	0.3300	116	79.6	121				
Trichloroethene	30.6	1.00	40.00	0	76.6	73.6	120				

Sample ID: LCS-3971	SampType: LCS	TestCode: 8260_W	Units: µg/L	Prep Date:	RunNo: 3971						
Client ID: LCSW	Batch ID: R3971	TestNo: SW8260B	Analysis Date: 4/26/2012	SeqNo: 54352							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	39.9	1.00	40.00	0	99.8	69.9	130				
Benzene	39.5	0.300	40.00	0	98.8	77.9	125				
Chlorobenzene	39.1	1.00	40.00	0	97.8	82.5	114				
Toluene	42.0	1.00	40.00	0	105	74.6	119				
Trichloroethene	41.2	1.00	40.00	0	103	74.7	125				

QC SUMMARY REPORT

WO#: 1204193

08-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: HG_CT

Sample ID: MB-2415		SampType: MBLK	TestCode: HG_CT		Units: mg/L	Prep Date: 4/24/2012				RunNo: 3891		
Client ID: PBW		Batch ID: 2415	TestNo: E7470A		E245.1	Analysis Date: 4/24/2012				SeqNo: 51945		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury ND 0.00010

Sample ID: LCS-2415		SampType: LCS	TestCode: HG_CT		Units: mg/L	Prep Date: 4/24/2012				RunNo: 3891	
Client ID: LCSW	Batch ID: 2415		TestNo: E7470A		E245.1	Analysis Date: 4/24/2012				SeqNo: 51946	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.00412 0.00010 0.004000 0 103 85.4 116

Sample ID: 1204179-001CDUP	SampType: DUP	TestCode: HG_CT	Units: mg/L	Prep Date: 4/24/2012	RunNo: 3891						
Client ID: ZZZZZZ	Batch ID: 2415	TestNo: E7470A	E245.1	Analysis Date: 4/24/2012	SeqNo: 51948						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury ND 0.00010 0 0 20

Sample ID: 1204179-001CMS	SampType: MS	TestCode: HG_CT	Units: mg/L	Prep Date: 4/24/2012	RunNo: 3891						
Client ID: ZZZZZZ	Batch ID: 2415	TestNo: E7470A	E245.1	Analysis Date: 4/24/2012	SeqNo: 51949						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.00327 0.00010 0.004000 0 81.8 69.5 125

Sample ID: 1204179-001CMSD	SampType: MSD	TestCode: HG_CT	Units: mg/L	Prep Date: 4/24/2012	RunNo: 3891						
Client ID: ZZZZZZ	Batch ID: 2415	TestNo: E7470A	E245.1	Analysis Date: 4/24/2012	SeqNo: 51950						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.00326 0.00010 0.004000 0 81.4 69.5 125 0.003273 0.521 20

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 13 of 15
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

WO#: 1204193

08-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: HG_CT

Sample ID: CCV		SampType: CCV		TestCode: HG_CT		Units: mg/L		Prep Date:			RunNo: 3891		
Client ID: CCV		Batch ID: 2415		TestNo: E7470A		E245.1		Analysis Date: 4/24/2012			SeqNo: 51962		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00428	0.00010	0.004000	0	107	90	110				

Sample ID: CCV		SampType: CCV		TestCode: HG_CT		Units: mg/L		Prep Date:			RunNo: 3891		
Client ID: CCV		Batch ID: 2415		TestNo: E7470A		E245.1		Analysis Date: 4/24/2012			SeqNo: 51963		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00411	0.00010	0.004000	0	103	90	110				

QC SUMMARY REPORT

WO#: 1204193

08-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03T01

TestCode: NWTPHHCID_W

Sample ID: MB-2411	SampType: MBLK	TestCode: NWTPHHCID	Units: mg/L	Prep Date: 4/23/2012	RunNo: 3886						
Client ID: PBW	Batch ID: 2411	TestNo: NWHCID	HCID_W	Analysis Date: 4/24/2012	SeqNo: 51920						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	ND	0.630									
Gasoline	ND	0.250									
Kerosene	ND	0.630									
Lube Oil	ND	0.630									
Mineral Spirits	ND	0.250									
Surr: BFB	0.558		1.000		55.8	30.2	133				
Surr: o-Terphenyl	0.927		1.000		92.7	50	150				

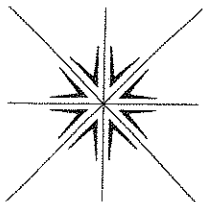
Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 15 of 15
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

KEY TO FLAGS

Rev. May 12, 2010

- A This sample contains a Gasoline Range Organic not identified as a specific hydrocarbon product. The result was quantified against gasoline calibration standards
- A1 This sample contains a Diesel Range Organic not identified as a specific hydrocarbon product. The result was quantified against diesel calibration standards.
- A2 This sample contains a Lube Oil Range Organic not identified as a specific hydrocarbon product. The result was quantified against a lube oil calibration standard.
- A3 The result was determined to be Non-Detect based on hydrocarbon pattern recognition. The product was carry-over from another hydrocarbon type.
- A4 The product appears to be aged or degraded diesel.
- B The blank exhibited a positive result great than the reporting limit for this compound.
- CN See Case Narrative.
- D Result is based from a dilution.
- E Result exceeds the calibration range for this compound. The result should be considered as estimate.
- F The positive result for this hydrocarbon is due to single component contamination. The product does not match any hydrocarbon in the fuels library.
- G Result may be biased high due to biogenic interferences. Clean up is recommended.
- H Sample was analyzed outside recommended holding time.
- HT At clients request, samples was analyzed outside of recommended holding time.
- J The result for this analyte is between the MDL and the PQL and should be considered as estimated concentration.
- K Diesel result is biased high due to amount of Oil contained in the sample.
- L Diesel result is biased high due to amount of Gasoline contained in the sample.
- M Oil result is biased high due to amount of Diesel contained in the sample.
- MC Sample concentration is greater than 4x the spiked value, the spiked value is considered insignificant.
- MI Result is outside control limits due to matrix interference.
- MSA Value determined by Method of Standard Addition.
- O Laboratory Control Standard (LCS) exceeded laboratory control limits, but meets CCV criteria. Data meets EPA requirements.
- Q Detection levels elevated due to sample matrix.
- R RPD control limits were exceeded.
- RF Duplicate failed due to result being at or near the method-reporting limit.
- RP Matrix spike values exceed established QC limits; post digestion spike is in control.
- S Recovery is outside control limits.
- SC Closing CCV or LCS exceeded high recovery control limits, but associated samples are non-detect. Data meets EPA requirements.
- * The result for this parameter was greater than the maximum contaminant level of the TCLP regulatory limit.

Page of



11711 SE Capps Road
Clackamas, OR 97015
Phone: 503-607-1331
Fax: 503-607-1336

Company USCMFA

Address 400 EAST MILL PULPIN Suite 400

VANCOUVER, WA 98106

Phone 360-694-2691 Fax 360-906-1958

Project No. 0504.010501 Project Name 32nd STREET

Project Site Location OR WA Other _____

Invoice To SAINE P.O. No. _____

Collected By:

Signature _____

Printed

Signature.

Printed.

Turn Around Time

☐ Normal 5-7 Business Days☐ Rush

Specify

Rush Analyses Must Be Scheduled With The Lab In Advance

Analyses

For Laboratory Use

Lab Job No. 1204193

Shipped Via

Air Bill No.

Temperature On Receipt °C

Specialty Analytical Containers? Y / N

Specialty Analytical Trip Blanks? Y / N

[illegible]

Relinquished By:

Company:

Date _____

Time

Received By:

Company:

Relinquished B

Company:

Date _____

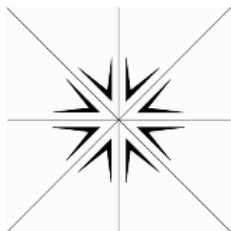
Time

Unless Reclaimed, Samples Will Be Disposed of 60 Days After Receipt.
Samples held beyond 60 days subject to storage fee(s)

Received For Lab By:

Date _____

Time



Specialty Analytical

11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

May 10, 2012

Christina Johnson
Maul Foster & Alongi
400 E. Mill Plain Blvd.
Suite 400
Vancouver, Washington 98660
TEL: (360) 694-2691
FAX: (360) 906-1958
RE: 32nd Street / 0564.01.03 T01

Dear Christina Johnson:

Order No.: 1204206

Specialty Analytical received 4 sample(s) on 4/23/2012 for the analyses presented in the following report.

There were no problems with the analysis and all data for associated QC met EPA or laboratory specifications, except where noted in the Case Narrative, or as qualified with flags. Results apply only to the samples analyzed. Without approval of the laboratory, the reproduction of this report is only permitted in its entirety.

If you have any questions regarding these tests, please feel free to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Marty French". The signature is stylized with a cursive-like flow.

Marty French
Lab Director

Specialty Analytical

Date Reported: 10-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03 T01
Lab ID: 1204206-001
Client Sample ID: GP09-W-30.0

Collection Date: 4/20/2012 10:10:00 AM

Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-DX - RBC		NWTPH-DX				Analyst: kbh
Diesel	1.33	0.082	A1	mg/L	1	4/27/2012
Lube Oil	1.19	0.206	A2	mg/L	1	4/27/2012
Surr: o-Terphenyl	104	50-150		%REC	1	4/27/2012
NWTPH HCID		NWHCID				Analyst: kbh
Diesel	DIESEL	0.647		mg/L	1	4/26/2012 5:21:00 PM
Gasoline	ND	0.257		mg/L	1	4/26/2012 5:21:00 PM
Kerosene	ND	0.647		mg/L	1	4/26/2012 5:21:00 PM
Lube Oil	OIL	0.647		mg/L	1	4/26/2012 5:21:00 PM
Mineral Spirits	ND	0.257		mg/L	1	4/26/2012 5:21:00 PM
Surr: BFB	69.0	30.2-133		%REC	1	4/26/2012 5:21:00 PM
Surr: o-Terphenyl	79.0	50-150		%REC	1	4/26/2012 5:21:00 PM
RCRA 8 AQUEOUS		SW6010C				Analyst: CT
Arsenic	ND	0.020		mg/L	1	4/25/2012 3:34:30 PM
Barium	0.677	0.010		mg/L	1	4/25/2012 3:34:30 PM
Cadmium	ND	0.001		mg/L	1	4/25/2012 3:34:30 PM
Chromium	0.038	0.005		mg/L	1	4/25/2012 3:34:30 PM
Lead	ND	0.020		mg/L	1	4/25/2012 3:34:30 PM
Selenium	ND	0.020		mg/L	1	4/25/2012 3:34:30 PM
Silver	ND	0.010		mg/L	1	4/25/2012 3:34:30 PM
RCRA 8 AQUEOUS		E7470A				Analyst: CT
Mercury	ND	0.00010		mg/L	1	4/24/2012 3:08:50 PM
PAH'S BY GC/MS - LOW LEVEL		SW8270D				Analyst: bda
1-Methylnaphthalene	0.065	0.054		µg/L	1	4/30/2012 2:49:00 PM
2-Methylnaphthalene	ND	0.054		µg/L	1	4/30/2012 2:49:00 PM
Acenaphthene	ND	0.054		µg/L	1	4/30/2012 2:49:00 PM
Acenaphthylene	ND	0.054		µg/L	1	4/30/2012 2:49:00 PM
Anthracene	ND	0.054		µg/L	1	4/30/2012 2:49:00 PM
Benzo(a)pyrene	ND	0.054		µg/L	1	4/30/2012 2:49:00 PM
Benzo(b)fluoranthene	ND	0.054		µg/L	1	4/30/2012 2:49:00 PM
Benzo(g,h,i)perylene	ND	0.054		µg/L	1	4/30/2012 2:49:00 PM
Benzo(k)fluoranthene	ND	0.054		µg/L	1	4/30/2012 2:49:00 PM
Benzo[a]anthracene	ND	0.054		µg/L	1	4/30/2012 2:49:00 PM
Chrysene	ND	0.054		µg/L	1	4/30/2012 2:49:00 PM
Dibenz(a,h)anthracene	ND	0.054		µg/L	1	4/30/2012 2:49:00 PM
Fluoranthene	ND	0.054		µg/L	1	4/30/2012 2:49:00 PM

Specialty Analytical

Date Reported: 10-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03 T01
Lab ID: 1204206-001
Client Sample ID: GP09-W-30.0

Collection Date: 4/20/2012 10:10:00 AM

Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PAH'S BY GC/MS - LOW LEVEL		SW8270D		Analyst: bda		
Fluorene	ND	0.054		µg/L	1	4/30/2012 2:49:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.054		µg/L	1	4/30/2012 2:49:00 PM
Naphthalene	0.205	0.054		µg/L	1	4/30/2012 2:49:00 PM
Phenanthrene	ND	0.054		µg/L	1	4/30/2012 2:49:00 PM
Pyrene	ND	0.054		µg/L	1	4/30/2012 2:49:00 PM
Surr: 2-Fluorobiphenyl	79.0	18.6-106		%REC	1	4/30/2012 2:49:00 PM
Surr: Nitrobenzene-d5	78.8	17-130		%REC	1	4/30/2012 2:49:00 PM
Surr: Terphenyl-d14	86.5	39.6-131		%REC	1	4/30/2012 2:49:00 PM
VOLATILE ORGANICS BY GC/MS		SW8260B		Analyst: rg		
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
1,1,1-Trichloroethane	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
1,1-Dichloroethane	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
1,1-Dichloroethene	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
1,1-Dichloropropene	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
1,2,3-Trichlorobenzene	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
1,2-Dibromoethane	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
1,2-Dichloroethane	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
1,2-Dichloropropane	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
1,3-Dichloropropane	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
2,2-Dichloropropane	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
2-Butanone	ND	10.0		µg/L	1	5/4/2012 2:41:00 PM
2-Chlorotoluene	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
2-Hexanone	ND	10.0		µg/L	1	5/4/2012 2:41:00 PM
4-Chlorotoluene	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
4-Isopropyltoluene	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
4-Methyl-2-pentanone	ND	20.0		µg/L	1	5/4/2012 2:41:00 PM
Acetone	ND	50.0		µg/L	1	5/4/2012 2:41:00 PM
Acrylonitrile	ND	5.00		µg/L	1	5/4/2012 2:41:00 PM

Specialty Analytical

Date Reported: 10-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03 T01
Lab ID: 1204206-001
Client Sample ID: GP09-W-30.0

Collection Date: 4/20/2012 10:10:00 AM

Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS BY GC/MS		SW8260B				Analyst: rg
Benzene	ND	0.300		µg/L	1	5/4/2012 2:41:00 PM
Bromobenzene	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
Bromochloromethane	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
Bromodichloromethane	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
Bromoform	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
Bromomethane	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
Carbon disulfide	ND	2.00		µg/L	1	5/4/2012 2:41:00 PM
Carbon tetrachloride	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
Chlorobenzene	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
Chloroethane	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
Chloroform	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
Chloromethane	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
Dibromochloromethane	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
Dibromomethane	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
Dichlorodifluoromethane	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
Ethylbenzene	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
Hexachlorobutadiene	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
Isopropylbenzene	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
m,p-Xylene	ND	2.00		µg/L	1	5/4/2012 2:41:00 PM
Methyl tert-butyl ether	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
Methylene chloride	ND	20.0		µg/L	1	5/4/2012 2:41:00 PM
Naphthalene	ND	1.00	H	µg/L	1	5/8/2012 11:08:00 PM
n-Butylbenzene	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
n-Propylbenzene	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
o-Xylene	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
sec-Butylbenzene	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
Styrene	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
tert-Butylbenzene	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
Tetrachloroethene	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
Toluene	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
Trichloroethene	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
Trichlorofluoromethane	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
Vinyl chloride	ND	1.00		µg/L	1	5/4/2012 2:41:00 PM
Surr: 1,2-Dichloroethane-d4	110	85.3-116		%REC	1	5/4/2012 2:41:00 PM
Surr: 4-Bromofluorobenzene	103	88.1-120		%REC	1	5/4/2012 2:41:00 PM

Specialty Analytical

Date Reported: 10-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03 T01
Lab ID: 1204206-001
Client Sample ID: GP09-W-30.0

Collection Date: 4/20/2012 10:10:00 AM

Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS BY GC/MS		SW8260B		Analyst: rg		
Surr: Dibromofluoromethane	93.4	94.2-122	S	%REC	1	5/4/2012 2:41:00 PM
Surr: Toluene-d8	98.8	86.2-135		%REC	1	5/4/2012 2:41:00 PM
PCB'S IN WATER		SW 8082A		Analyst: jrj		
Aroclor 1016	ND	0.022		µg/L	1	4/30/2012 2:00:00 PM
Aroclor 1221	ND	0.022		µg/L	1	4/30/2012 2:00:00 PM
Aroclor 1232	ND	0.022		µg/L	1	4/30/2012 2:00:00 PM
Aroclor 1242	ND	0.022		µg/L	1	4/30/2012 2:00:00 PM
Aroclor 1248	ND	0.022		µg/L	1	4/30/2012 2:00:00 PM
Aroclor 1254	ND	0.022		µg/L	1	4/30/2012 2:00:00 PM
Aroclor 1260	ND	0.022		µg/L	1	4/30/2012 2:00:00 PM
Aroclor 1262	ND	0.022		µg/L	1	4/30/2012 2:00:00 PM
Aroclor 1268	ND	0.022		µg/L	1	4/30/2012 2:00:00 PM
Surr: Decachlorobiphenyl	43.9	56.9-123	SMI	%REC	1	4/30/2012 2:00:00 PM

Specialty Analytical

Date Reported: 10-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03 T01
Lab ID: 1204206-002
Client Sample ID: GP13-W-25.0

Collection Date: 4/20/2012 8:40:00 AM

Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH HCID						
NWHCID						Analyst: kbh
Diesel	ND	0.655		mg/L	1	4/26/2012 5:21:00 PM
Gasoline	ND	0.260		mg/L	1	4/26/2012 5:21:00 PM
Kerosene	ND	0.655		mg/L	1	4/26/2012 5:21:00 PM
Lube Oil	ND	0.655		mg/L	1	4/26/2012 5:21:00 PM
Mineral Spirits	ND	0.260		mg/L	1	4/26/2012 5:21:00 PM
Surr: BFB	74.6	30.2-133		%REC	1	4/26/2012 5:21:00 PM
Surr: o-Terphenyl	82.7	50-150		%REC	1	4/26/2012 5:21:00 PM
RCRA 8 AQUEOUS						
SW6010C						Analyst: CT
Arsenic	0.041	0.020		mg/L	1	4/25/2012 3:39:02 PM
Barium	6.40	0.010		mg/L	1	4/25/2012 3:39:02 PM
Cadmium	ND	0.001		mg/L	1	4/25/2012 3:39:02 PM
Chromium	0.309	0.005		mg/L	1	4/25/2012 3:39:02 PM
Lead	0.149	0.020		mg/L	1	4/25/2012 3:39:02 PM
Selenium	ND	0.020		mg/L	1	4/25/2012 3:39:02 PM
Silver	0.033	0.010		mg/L	1	4/25/2012 3:39:02 PM
RCRA 8 AQUEOUS						
E7470A						Analyst: CT
Mercury	0.00050	0.00010		mg/L	1	4/24/2012 3:08:50 PM
VOLATILE ORGANICS BY GC/MS						
SW8260B						Analyst: rg
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	5/4/2012 3:15:00 PM
1,1,1-Trichloroethane	ND	1.00		µg/L	1	5/4/2012 3:15:00 PM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	5/4/2012 3:15:00 PM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	5/4/2012 3:15:00 PM
1,1-Dichloroethane	ND	1.00		µg/L	1	5/4/2012 3:15:00 PM
1,1-Dichloroethene	ND	1.00		µg/L	1	5/4/2012 3:15:00 PM
1,1-Dichloropropene	ND	1.00		µg/L	1	5/4/2012 3:15:00 PM
1,2,3-Trichlorobenzene	ND	1.00		µg/L	1	5/4/2012 3:15:00 PM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	5/4/2012 3:15:00 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	5/4/2012 3:15:00 PM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	5/4/2012 3:15:00 PM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	5/4/2012 3:15:00 PM
1,2-Dibromoethane	ND	1.00		µg/L	1	5/4/2012 3:15:00 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	5/4/2012 3:15:00 PM
1,2-Dichloroethane	ND	1.00		µg/L	1	5/4/2012 3:15:00 PM
1,2-Dichloropropane	ND	1.00		µg/L	1	5/4/2012 3:15:00 PM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	5/4/2012 3:15:00 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	5/4/2012 3:15:00 PM

Specialty Analytical

Date Reported: 10-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03 T01
Lab ID: 1204206-002
Client Sample ID: GP13-W-25.0

Collection Date: 4/20/2012 8:40:00 AM

Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS BY GC/MS		SW8260B		Analyst: rg		
1,3-Dichloropropane	ND	1.00		µg/L	1	5/4/2012 3:15:00 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	5/4/2012 3:15:00 PM
2,2-Dichloropropane	ND	1.00		µg/L	1	5/4/2012 3:15:00 PM
2-Butanone	ND	10.0		µg/L	1	5/4/2012 3:15:00 PM
2-Chlorotoluene	ND	1.00		µg/L	1	5/4/2012 3:15:00 PM
2-Hexanone	ND	10.0		µg/L	1	5/4/2012 3:15:00 PM
4-Chlorotoluene	ND	1.00		µg/L	1	5/4/2012 3:15:00 PM
4-Isopropyltoluene	ND	1.00		µg/L	1	5/4/2012 3:15:00 PM
4-Methyl-2-pentanone	ND	20.0		µg/L	1	5/4/2012 3:15:00 PM
Acetone	ND	50.0		µg/L	1	5/4/2012 3:15:00 PM
Acrylonitrile	ND	5.00		µg/L	1	5/4/2012 3:15:00 PM
Benzene	ND	0.300		µg/L	1	5/4/2012 3:15:00 PM
Bromobenzene	ND	1.00		µg/L	1	5/4/2012 3:15:00 PM
Bromochloromethane	ND	1.00		µg/L	1	5/4/2012 3:15:00 PM
Bromodichloromethane	ND	1.00		µg/L	1	5/4/2012 3:15:00 PM
Bromoform	ND	1.00		µg/L	1	5/4/2012 3:15:00 PM
Bromomethane	1.84	1.00		µg/L	1	5/4/2012 3:15:00 PM
Carbon disulfide	ND	2.00		µg/L	1	5/4/2012 3:15:00 PM
Carbon tetrachloride	ND	1.00		µg/L	1	5/4/2012 3:15:00 PM
Chlorobenzene	ND	1.00		µg/L	1	5/4/2012 3:15:00 PM
Chloroethane	ND	1.00		µg/L	1	5/4/2012 3:15:00 PM
Chloroform	ND	1.00		µg/L	1	5/4/2012 3:15:00 PM
Chloromethane	7.27	1.00		µg/L	1	5/4/2012 3:15:00 PM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	5/4/2012 3:15:00 PM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	5/4/2012 3:15:00 PM
Dibromochloromethane	ND	1.00		µg/L	1	5/4/2012 3:15:00 PM
Dibromomethane	ND	1.00		µg/L	1	5/4/2012 3:15:00 PM
Dichlorodifluoromethane	ND	1.00		µg/L	1	5/4/2012 3:15:00 PM
Ethylbenzene	ND	1.00		µg/L	1	5/4/2012 3:15:00 PM
Hexachlorobutadiene	ND	1.00		µg/L	1	5/4/2012 3:15:00 PM
Isopropylbenzene	ND	1.00		µg/L	1	5/4/2012 3:15:00 PM
m,p-Xylene	ND	2.00		µg/L	1	5/4/2012 3:15:00 PM
Methyl tert-butyl ether	ND	1.00		µg/L	1	5/4/2012 3:15:00 PM
Methylene chloride	ND	20.0		µg/L	1	5/4/2012 3:15:00 PM
Naphthalene	ND	1.00	H	µg/L	1	5/8/2012 11:42:00 PM
n-Butylbenzene	ND	1.00		µg/L	1	5/4/2012 3:15:00 PM
n-Propylbenzene	ND	1.00		µg/L	1	5/4/2012 3:15:00 PM
o-Xylene	ND	1.00		µg/L	1	5/4/2012 3:15:00 PM
sec-Butylbenzene	ND	1.00		µg/L	1	5/4/2012 3:15:00 PM

Specialty Analytical

Date Reported: 10-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03 T01
Lab ID: 1204206-002
Client Sample ID: GP13-W-25.0

Collection Date: 4/20/2012 8:40:00 AM

Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS BY GC/MS		SW8260B				Analyst: rg
Styrene	ND	1.00		µg/L	1	5/4/2012 3:15:00 PM
tert-Butylbenzene	ND	1.00		µg/L	1	5/4/2012 3:15:00 PM
Tetrachloroethene	ND	1.00		µg/L	1	5/4/2012 3:15:00 PM
Toluene	ND	1.00		µg/L	1	5/4/2012 3:15:00 PM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	5/4/2012 3:15:00 PM
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	5/4/2012 3:15:00 PM
Trichloroethene	ND	1.00		µg/L	1	5/4/2012 3:15:00 PM
Trichlorofluoromethane	ND	1.00		µg/L	1	5/4/2012 3:15:00 PM
Vinyl chloride	ND	1.00		µg/L	1	5/4/2012 3:15:00 PM
Surr: 1,2-Dichloroethane-d4	109	85.3-116		%REC	1	5/4/2012 3:15:00 PM
Surr: 4-Bromofluorobenzene	99.6	88.1-120		%REC	1	5/4/2012 3:15:00 PM
Surr: Dibromofluoromethane	98.1	94.2-122		%REC	1	5/4/2012 3:15:00 PM
Surr: Toluene-d8	102	86.2-135		%REC	1	5/4/2012 3:15:00 PM

Specialty Analytical

Date Reported: 10-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03 T01
Lab ID: 1204206-003
Client Sample ID: GP08-W-25.0

Collection Date: 4/20/2012 12:00:00 PM

Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH HCID						
NWHCID						Analyst: kbh
Diesel	ND	0.602		mg/L	1	4/26/2012 5:21:00 PM
Gasoline	ND	0.239		mg/L	1	4/26/2012 5:21:00 PM
Kerosene	ND	0.602		mg/L	1	4/26/2012 5:21:00 PM
Lube Oil	ND	0.602		mg/L	1	4/26/2012 5:21:00 PM
Mineral Spirits	ND	0.239		mg/L	1	4/26/2012 5:21:00 PM
Surr: BFB	66.5	30.2-133		%REC	1	4/26/2012 5:21:00 PM
Surr: o-Terphenyl	72.8	50-150		%REC	1	4/26/2012 5:21:00 PM
RCRA 8 AQUEOUS						
SW6010C						Analyst: CT
Arsenic	ND	0.020		mg/L	1	4/25/2012 2:43:58 PM
Barium	0.018	0.010		mg/L	1	4/25/2012 2:43:58 PM
Cadmium	ND	0.001		mg/L	1	4/25/2012 2:43:58 PM
Chromium	0.007	0.005		mg/L	1	4/25/2012 2:43:58 PM
Lead	ND	0.020		mg/L	1	4/25/2012 2:43:58 PM
Selenium	ND	0.020		mg/L	1	4/25/2012 2:43:58 PM
Silver	ND	0.010		mg/L	1	4/25/2012 2:43:58 PM
RCRA 8 AQUEOUS						
E7470A						Analyst: CT
Mercury	ND	0.00010		mg/L	1	4/24/2012 3:08:50 PM
VOLATILE ORGANICS BY GC/MS						
SW8260B						Analyst: rg
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM
1,1,1-Trichloroethane	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM
1,1-Dichloroethane	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM
1,1-Dichloroethene	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM
1,1-Dichloropropene	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM
1,2,3-Trichlorobenzene	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM
1,2-Dibromoethane	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM
1,2-Dichloroethane	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM
1,2-Dichloropropane	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM

Specialty Analytical

Date Reported: 10-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03 T01
Lab ID: 1204206-003
Client Sample ID: GP08-W-25.0

Collection Date: 4/20/2012 12:00:00 PM

Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS BY GC/MS		SW8260B				Analyst: rg
1,3-Dichloropropane	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM
2,2-Dichloropropane	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM
2-Butanone	ND	10.0		µg/L	1	5/4/2012 3:49:00 PM
2-Chlorotoluene	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM
2-Hexanone	ND	10.0		µg/L	1	5/4/2012 3:49:00 PM
4-Chlorotoluene	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM
4-Isopropyltoluene	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM
4-Methyl-2-pentanone	ND	20.0		µg/L	1	5/4/2012 3:49:00 PM
Acetone	ND	50.0		µg/L	1	5/4/2012 3:49:00 PM
Acrylonitrile	ND	5.00		µg/L	1	5/4/2012 3:49:00 PM
Benzene	ND	0.300		µg/L	1	5/4/2012 3:49:00 PM
Bromobenzene	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM
Bromochloromethane	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM
Bromodichloromethane	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM
Bromoform	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM
Bromomethane	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM
Carbon disulfide	ND	2.00		µg/L	1	5/4/2012 3:49:00 PM
Carbon tetrachloride	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM
Chlorobenzene	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM
Chloroethane	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM
Chloroform	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM
Chloromethane	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM
Dibromochloromethane	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM
Dibromomethane	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM
Dichlorodifluoromethane	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM
Ethylbenzene	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM
Hexachlorobutadiene	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM
Isopropylbenzene	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM
m,p-Xylene	ND	2.00		µg/L	1	5/4/2012 3:49:00 PM
Methyl tert-butyl ether	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM
Methylene chloride	ND	20.0		µg/L	1	5/4/2012 3:49:00 PM
Naphthalene	ND	1.00	H	µg/L	1	5/9/2012 12:16:00 AM
n-Butylbenzene	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM
n-Propylbenzene	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM
o-Xylene	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM
sec-Butylbenzene	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM

Specialty Analytical

Date Reported: 10-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03 T01
Lab ID: 1204206-003
Client Sample ID: GP08-W-25.0

Collection Date: 4/20/2012 12:00:00 PM

Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS BY GC/MS		SW8260B				Analyst: rg
Styrene	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM
tert-Butylbenzene	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM
Tetrachloroethene	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM
Toluene	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM
Trichloroethene	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM
Trichlorofluoromethane	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM
Vinyl chloride	ND	1.00		µg/L	1	5/4/2012 3:49:00 PM
Surr: 1,2-Dichloroethane-d4	111	85.3-116		%REC	1	5/4/2012 3:49:00 PM
Surr: 4-Bromofluorobenzene	101	88.1-120		%REC	1	5/4/2012 3:49:00 PM
Surr: Dibromofluoromethane	99.3	94.2-122		%REC	1	5/4/2012 3:49:00 PM
Surr: Toluene-d8	102	86.2-135		%REC	1	5/4/2012 3:49:00 PM

Specialty Analytical

Date Reported: 10-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03 T01
Lab ID: 1204206-004
Client Sample ID: GP10-W-25.0

Collection Date: 4/20/2012 3:00:00 PM

Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH HCID						
NWHCID						Analyst: kbh
Diesel	ND	0.634		mg/L	1	4/26/2012 5:21:00 PM
Gasoline	ND	0.252		mg/L	1	4/26/2012 5:21:00 PM
Kerosene	ND	0.634		mg/L	1	4/26/2012 5:21:00 PM
Lube Oil	ND	0.634		mg/L	1	4/26/2012 5:21:00 PM
Mineral Spirits	ND	0.252		mg/L	1	4/26/2012 5:21:00 PM
Surr: BFB	70.9	30.2-133		%REC	1	4/26/2012 5:21:00 PM
Surr: o-Terphenyl	75.8	50-150		%REC	1	4/26/2012 5:21:00 PM
RCRA 8 AQUEOUS						
SW6010C						Analyst: CT
Arsenic	0.020	0.020		mg/L	1	4/25/2012 3:43:46 PM
Barium	0.272	0.010		mg/L	1	4/25/2012 3:43:46 PM
Cadmium	ND	0.001		mg/L	1	4/25/2012 3:43:46 PM
Chromium	0.044	0.005		mg/L	1	4/25/2012 3:43:46 PM
Lead	ND	0.020		mg/L	1	4/25/2012 3:43:46 PM
Selenium	ND	0.020		mg/L	1	4/25/2012 3:43:46 PM
Silver	ND	0.010		mg/L	1	4/25/2012 3:43:46 PM
RCRA 8 AQUEOUS						
E7470A						Analyst: CT
Mercury	ND	0.00010		mg/L	1	4/24/2012 3:08:50 PM
VOLATILE ORGANICS BY GC/MS						
SW8260B						Analyst: rg
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM
1,1,1-Trichloroethane	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM
1,1-Dichloroethane	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM
1,1-Dichloroethene	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM
1,1-Dichloropropene	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM
1,2,3-Trichlorobenzene	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM
1,2-Dibromoethane	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM
1,2-Dichloroethane	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM
1,2-Dichloropropane	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM

Specialty Analytical

Date Reported: 10-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03 T01
Lab ID: 1204206-004
Client Sample ID: GP10-W-25.0

Collection Date: 4/20/2012 3:00:00 PM

Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS BY GC/MS		SW8260B				Analyst: rg
1,3-Dichloropropane	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM
2,2-Dichloropropane	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM
2-Butanone	ND	10.0		µg/L	1	5/4/2012 4:24:00 PM
2-Chlorotoluene	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM
2-Hexanone	ND	10.0		µg/L	1	5/4/2012 4:24:00 PM
4-Chlorotoluene	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM
4-Isopropyltoluene	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM
4-Methyl-2-pentanone	ND	20.0		µg/L	1	5/4/2012 4:24:00 PM
Acetone	ND	50.0		µg/L	1	5/4/2012 4:24:00 PM
Acrylonitrile	ND	5.00		µg/L	1	5/4/2012 4:24:00 PM
Benzene	ND	0.300		µg/L	1	5/4/2012 4:24:00 PM
Bromobenzene	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM
Bromochloromethane	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM
Bromodichloromethane	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM
Bromoform	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM
Bromomethane	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM
Carbon disulfide	ND	2.00		µg/L	1	5/4/2012 4:24:00 PM
Carbon tetrachloride	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM
Chlorobenzene	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM
Chloroethane	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM
Chloroform	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM
Chloromethane	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM
Dibromochloromethane	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM
Dibromomethane	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM
Dichlorodifluoromethane	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM
Ethylbenzene	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM
Hexachlorobutadiene	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM
Isopropylbenzene	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM
m,p-Xylene	ND	2.00		µg/L	1	5/4/2012 4:24:00 PM
Methyl tert-butyl ether	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM
Methylene chloride	ND	20.0		µg/L	1	5/4/2012 4:24:00 PM
Naphthalene	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM
n-Butylbenzene	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM
n-Propylbenzene	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM
o-Xylene	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM
sec-Butylbenzene	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM

Specialty Analytical

Date Reported: 10-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03 T01
Lab ID: 1204206-004
Client Sample ID: GP10-W-25.0

Collection Date: 4/20/2012 3:00:00 PM

Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS BY GC/MS		SW8260B				Analyst: rg
Styrene	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM
tert-Butylbenzene	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM
Tetrachloroethene	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM
Toluene	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM
Trichloroethene	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM
Trichlorofluoromethane	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM
Vinyl chloride	ND	1.00		µg/L	1	5/4/2012 4:24:00 PM
Surr: 1,2-Dichloroethane-d4	111	85.3-116		%REC	1	5/4/2012 4:24:00 PM
Surr: 4-Bromofluorobenzene	102	88.1-120		%REC	1	5/4/2012 4:24:00 PM
Surr: Dibromofluoromethane	99.3	94.2-122		%REC	1	5/4/2012 4:24:00 PM
Surr: Toluene-d8	102	86.2-135		%REC	1	5/4/2012 4:24:00 PM

QC SUMMARY REPORT

WO#: 1204206

10-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03 T01

TestCode: 6010_W

Sample ID: ICV	SampType: ICV	TestCode: 6010_W		Units: mg/L	Prep Date:			RunNo: 3908			
Client ID: ICV	Batch ID: 2414	TestNo: SW6010C		SW3010A	Analysis Date: 4/25/2012			SeqNo: 52316			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.05	0.020	1.000	0	105	90	110				
Barium	0.530	0.010	0.5000	0	106	90	110				
Cadmium	0.051	0.001	0.05000	0	103	90	110				
Chromium	0.265	0.005	0.2500	0	106	90	110				
Lead	1.04	0.020	1.000	0	104	90	110				
Selenium	1.07	0.020	1.000	0	107	90	110				
Silver	0.533	0.010	0.5000	0	107	90	110				

Sample ID: MBLK-2414	SampType: MBLK	TestCode: 6010_W	Units: mg/L	Prep Date:	RunNo: 3908						
Client ID: PBW	Batch ID: 2414	TestNo: SW6010C	SW3010A	Analysis Date: 4/25/2012	SeqNo: 52318						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.020									
Barium	ND	0.010									
Cadmium	ND	0.001									
Chromium	ND	0.005									
Lead	ND	0.020									
Selenium	ND	0.020									
Silver	ND	0.010									

Sample ID: LCS-2414	SampType: LCS	TestCode: 6010_W	Units: mg/L	Prep Date: 4/24/2012	RunNo: 3908						
Client ID: LCSW	Batch ID: 2414	TestNo: SW6010C	SW3010A	Analysis Date: 4/25/2012	SeqNo: 52319						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.04	0.020	1.000	0	104	93.8	107				

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 1 of 22
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

WO#: 1204206

10-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03 T01

TestCode: 6010_W

Sample ID: LCS-2414	SampType: LCS	TestCode: 6010_W	Units: mg/L	Prep Date: 4/24/2012	RunNo: 3908						
Client ID: LCSW	Batch ID: 2414	TestNo: SW6010C	SW3010A	Analysis Date: 4/25/2012	SeqNo: 52319						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	0.506	0.010	0.5000	0	101	95	111				
Cadmium	0.050	0.001	0.05000	0	99.6	91.8	110				
Chromium	0.265	0.005	0.2500	0	106	93.9	113				
Lead	1.00	0.020	1.000	0	100	93.1	112				
Selenium	1.03	0.020	1.000	0	103	93.9	111				
Silver	0.532	0.010	0.5000	0	106	87.1	113				

Sample ID: 1204206-003CDUP	SampType: DUP	TestCode: 6010_W	Units: mg/L	Prep Date: 4/24/2012	RunNo: 3908						
Client ID: GP08-W-25.0	Batch ID: 2414	TestNo: SW6010C	SW3010A	Analysis Date: 4/25/2012	SeqNo: 52321						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.020						0	0	20	
Barium	0.018	0.010						0.01850	2.74	20	
Cadmium	ND	0.001						0	0	20	
Chromium	0.007	0.005						0.007000	0	20	
Lead	ND	0.020						0	0	20	
Selenium	ND	0.020						0	0	20	
Silver	ND	0.010						0	0	20	

Sample ID: 1204206-003CMS	SampType: MS	TestCode: 6010_W	Units: mg/L	Prep Date: 4/24/2012	RunNo: 3908						
Client ID: GP08-W-25.0	Batch ID: 2414	TestNo: SW6010C	SW3010A	Analysis Date: 4/25/2012	SeqNo: 52322						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.02	0.020	1.000	0	102	90.1	110				
Barium	0.506	0.010	0.5000	0.01850	97.6	90.7	112				

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

QC SUMMARY REPORT

WO#: 1204206

10-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03 T01

TestCode: 6010_W

Sample ID: 1204206-003CMS	SampType: MS	TestCode: 6010_W	Units: mg/L	Prep Date: 4/24/2012	RunNo: 3908						
Client ID: GP08-W-25.0	Batch ID: 2414	TestNo: SW6010C	SW3010A	Analysis Date: 4/25/2012	SeqNo: 52322						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	0.049	0.001	0.05000	0	97.4	93.4	110				
Chromium	0.260	0.005	0.2500	0.007000	101	93.4	112				
Lead	0.960	0.020	1.000	0	96.0	91.9	112				
Selenium	1.01	0.020	1.000	0	101	93.5	113				
Silver	0.530	0.010	0.5000	0	106	90.1	113				

Sample ID: 1204206-003CMSD	SampType: MSD	TestCode: 6010_W	Units: mg/L	Prep Date: 4/24/2012	RunNo: 3908						
Client ID: GP08-W-25.0	Batch ID: 2414	TestNo: SW6010C	SW3010A	Analysis Date: 4/25/2012	SeqNo: 52323						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.08	0.020	1.000	0	108	90.1	110	1.017	5.73	20	
Barium	0.541	0.010	0.5000	0.01850	104	90.7	112	0.5064	6.55	20	
Cadmium	0.050	0.001	0.05000	0	101	93.4	110	0.04870	3.63	20	
Chromium	0.270	0.005	0.2500	0.007000	105	93.4	112	0.2602	3.66	20	
Lead	1.03	0.020	1.000	0	103	91.9	112	0.9604	6.99	20	
Selenium	1.06	0.020	1.000	0	106	93.5	113	1.010	5.30	20	
Silver	0.543	0.010	0.5000	0	109	90.1	113	0.5302	2.35	20	

Sample ID: CCV	SampType: CCV	TestCode: 6010_W		Units: mg/L	Prep Date:			RunNo: 3908			
Client ID: CCV	Batch ID: 2414	TestNo: SW6010C		SW3010A	Analysis Date: 4/25/2012			SeqNo: 52328			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.998	0.020	1.000	0	99.8	90	110				
Barium	0.457	0.010	0.5000	0	91.3	90	110				
Cadmium	0.046	0.001	0.05000	0	92.0	90	110				

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

QC SUMMARY REPORT

WO#: 1204206

10-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03 T01

TestCode: 6010_W

Sample ID: CCV	SampType: CCV	TestCode: 6010_W	Units: mg/L	Prep Date:	RunNo: 3908						
Client ID: CCV	Batch ID: 2414	TestNo: SW6010C	SW3010A	Analysis Date: 4/25/2012	SeqNo: 52328						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.247	0.005	0.2500	0	98.6	90	110				
Lead	0.944	0.020	1.000	0	94.4	90	110				
Selenium	0.933	0.020	1.000	0	93.3	90	110				
Silver	0.516	0.010	0.5000	0	103	90	110				

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

Page 4 of 22

QC SUMMARY REPORT

WO#: 1204206

10-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03 T01

TestCode: 8082LL_W

Sample ID: CCV	SampType: CCV	TestCode: 8082LL_W	Units: µg/L	Prep Date:	RunNo: 3991						
Client ID: CCV	Batch ID: 2459	TestNo: SW 8082A	SW3510_PCB	Analysis Date: 4/30/2012	SeqNo: 53322						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016/1260	1.96	0.020	2.000	0	98.0	85	115				

Sample ID: MB-2459	SampType: MBLK	TestCode: 8082LL_W	Units: µg/L	Prep Date: 4/27/2012	RunNo: 3991						
Client ID: PBW	Batch ID: 2459	TestNo: SW 8082A	SW3510_PCB	Analysis Date: 4/30/2012	SeqNo: 53323						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.020									
Aroclor 1221	ND	0.020									
Aroclor 1232	ND	0.020									
Aroclor 1242	ND	0.020									
Aroclor 1248	ND	0.020									
Aroclor 1254	ND	0.020									
Aroclor 1260	ND	0.020									
Aroclor 1262	ND	0.020									
Aroclor 1268	ND	0.020									
Surr: Decachlorobiphenyl	144		200.0		71.9	56.9	123				

Sample ID: LCS-2459	SampType: LCS	TestCode: 8082LL_W	Units: µg/L	Prep Date: 4/27/2012	RunNo: 3991						
Client ID: LCSW	Batch ID: 2459	TestNo: SW 8082A	SW3510_PCB	Analysis Date: 4/30/2012	SeqNo: 53324						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016/1260	1.66	0.020	2.000	0	83.0	40.4	110				

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

QC SUMMARY REPORT

WO#: 1204206

10-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03 T01

TestCode: 8082LL_W

Sample ID: LCSD-2459	SampType: LCSD	TestCode: 8082LL_W		Units: µg/L		Prep Date: 4/27/2012			RunNo: 3991		
Client ID: LCSS02	Batch ID: 2459	TestNo: SW 8082A		SW3510_PCB		Analysis Date: 4/30/2012			SeqNo: 53325		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016/1260	1.60	0.020	2.000	0	80.0	40.4	110	1.660	3.68	20	

Sample ID: CCV	SampType: CCV	TestCode: 8082LL_W		Units: µg/L		Prep Date:			RunNo: 3991		
Client ID: CCV	Batch ID: 2459	TestNo: SW 8082A		SW3510_PCB		Analysis Date: 4/30/2012			SeqNo: 53327		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016/1260	2.18	0.020	2.000	0	109	85	115				

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

QC SUMMARY REPORT

WO#: 1204206

10-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03 T01

TestCode: 8260_W

Sample ID: CCB-4156	SampType: CCB	TestCode: 8260_W	Units: µg/L	Prep Date:	RunNo: 4156						
Client ID: CCB	Batch ID: R4156	TestNo: SW8260B		Analysis Date: 5/4/2012	SeqNo: 55625						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	1.00									
1,1,1-Trichloroethane	ND	1.00									
1,1,2,2-Tetrachloroethane	ND	1.00									
1,1,2-Trichloroethane	ND	1.00									
1,1-Dichloroethane	ND	1.00									
1,1-Dichloroethene	ND	1.00									
1,1-Dichloropropene	ND	1.00									
1,2,3-Trichlorobenzene	ND	1.00									
1,2,3-Trichloropropane	ND	1.00									
1,2,4-Trichlorobenzene	ND	1.00									
1,2,4-Trimethylbenzene	ND	1.00									
1,2-Dibromo-3-chloropropane	ND	1.00									
1,2-Dibromoethane	ND	1.00									
1,2-Dichlorobenzene	ND	1.00									
1,2-Dichloroethane	ND	1.00									
1,2-Dichloropropane	ND	1.00									
1,3,5-Trimethylbenzene	ND	1.00									
1,3-Dichlorobenzene	ND	1.00									
1,3-Dichloropropane	ND	1.00									
1,4-Dichlorobenzene	ND	1.00									
2,2-Dichloropropane	ND	1.00									
2-Butanone	ND	10.0									
2-Chlorotoluene	ND	1.00									
2-Hexanone	ND	10.0									
4-Chlorotoluene	ND	1.00									
4-Isopropyltoluene	ND	1.00									

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

Page 7 of 22

QC SUMMARY REPORT

WO#: 1204206

10-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03 T01

TestCode: 8260_W

Sample ID: CCB-4156	SampType: CCB	TestCode: 8260_W	Units: µg/L	Prep Date:	RunNo: 4156						
Client ID: CCB	Batch ID: R4156	TestNo: SW8260B		Analysis Date: 5/4/2012	SeqNo: 55625						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Methyl-2-pentanone	ND	20.0									
Acetone	ND	50.0									
Acrylonitrile	ND	5.00									
Benzene	ND	0.300									
Bromobenzene	ND	1.00									
Bromochloromethane	ND	1.00									
Bromodichloromethane	ND	1.00									
Bromoform	ND	1.00									
Bromomethane	ND	1.00									
Carbon disulfide	ND	2.00									
Carbon tetrachloride	ND	1.00									
Chlorobenzene	ND	1.00									
Chloroethane	ND	1.00									
Chloroform	ND	1.00									
Chloromethane	ND	1.00									
cis-1,2-Dichloroethene	ND	1.00									
cis-1,3-Dichloropropene	ND	1.00									
Dibromochloromethane	ND	1.00									
Dibromomethane	ND	1.00									
Dichlorodifluoromethane	ND	1.00									
Ethylbenzene	ND	1.00									
Hexachlorobutadiene	ND	1.00									
Isopropylbenzene	ND	1.00									
m,p-Xylene	ND	2.00									
Methyl tert-butyl ether	ND	1.00									
Methylene chloride	ND	20.0									

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

QC SUMMARY REPORT

WO#: 1204206

10-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03 T01

TestCode: 8260_W

Sample ID: CCB-4156	SampType: CCB	TestCode: 8260_W	Units: µg/L	Prep Date:	RunNo: 4156						
Client ID: CCB	Batch ID: R4156	TestNo: SW8260B		Analysis Date: 5/4/2012	SeqNo: 55625						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	1.00									
n-Butylbenzene	ND	1.00									
n-Propylbenzene	ND	1.00									
o-Xylene	ND	1.00									
sec-Butylbenzene	ND	1.00									
Styrene	ND	1.00									
tert-Butylbenzene	ND	1.00									
Tetrachloroethene	ND	1.00									
Toluene	ND	1.00									
trans-1,2-Dichloroethene	ND	1.00									
trans-1,3-Dichloropropene	ND	1.00									
Trichloroethene	ND	1.00									
Trichlorofluoromethane	ND	1.00									
Vinyl chloride	ND	1.00									
Surr: 1,2-Dichloroethane-d4	111										
Surr: 4-Bromofluorobenzene	99.7										
Surr: Dibromofluoromethane	94.4										
Surr: Toluene-d8	102										

Sample ID: LCS-4156	SampType: LCS	TestCode: 8260_W	Units: µg/L	Prep Date:	RunNo: 4156						
Client ID: LCSW	Batch ID: R4156	TestNo: SW8260B		Analysis Date: 4/27/2012	SeqNo: 55626						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	49.6	1.00	40.00	0	124	61.2	135				
Benzene	42.8	0.300	40.00	0	107	76.8	125				

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

QC SUMMARY REPORT

WO#: 1204206

10-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03 T01

TestCode: 8260_W

Sample ID: LCS-4156	SampType: LCS	TestCode: 8260_W	Units: µg/L	Prep Date:	RunNo: 4156						
Client ID: LCSW	Batch ID: R4156	TestNo: SW8260B		Analysis Date: 4/27/2012	SeqNo: 55626						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	42.3	1.00	40.00	0	106	84.1	116				
Toluene	46.6	1.00	40.00	0	117	82	122				
Trichloroethene	47.9	1.00	40.00	0	120	68.5	124				

Sample ID: MBLK-4156	SampType: MBLK	TestCode: 8260_W	Units: µg/L	Prep Date:	RunNo: 4156						
Client ID: PBW	Batch ID: R4156	TestNo: SW8260B		Analysis Date: 4/27/2012	SeqNo: 55627						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	1.00									
1,1,1-Trichloroethane	ND	1.00									
1,1,2,2-Tetrachloroethane	ND	1.00									
1,1,2-Trichloroethane	ND	1.00									
1,1-Dichloroethane	ND	1.00									
1,1-Dichloroethene	ND	1.00									
1,1-Dichloropropene	ND	1.00									
1,2,3-Trichlorobenzene	ND	1.00									
1,2,3-Trichloropropane	ND	1.00									
1,2,4-Trichlorobenzene	ND	1.00									
1,2,4-Trimethylbenzene	ND	1.00									
1,2-Dibromo-3-chloropropane	ND	1.00									
1,2-Dibromoethane	ND	1.00									
1,2-Dichlorobenzene	ND	1.00									
1,2-Dichloroethane	ND	1.00									
1,2-Dichloropropane	ND	1.00									
1,3,5-Trimethylbenzene	ND	1.00									

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

QC SUMMARY REPORT

WO#: 1204206

10-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03 T01

TestCode: 8260_W

Sample ID: MBLK-4156	SampType: MBLK	TestCode: 8260_W	Units: µg/L	Prep Date:	RunNo: 4156						
Client ID: PBW	Batch ID: R4156	TestNo: SW8260B		Analysis Date: 4/27/2012	SeqNo: 55627						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichlorobenzene	ND	1.00									
1,3-Dichloropropane	ND	1.00									
1,4-Dichlorobenzene	ND	1.00									
2,2-Dichloropropane	ND	1.00									
2-Butanone	ND	10.0									
2-Chlorotoluene	ND	1.00									
2-Hexanone	ND	10.0									
4-Chlorotoluene	ND	1.00									
4-Isopropyltoluene	ND	1.00									
4-Methyl-2-pentanone	ND	20.0									
Acetone	ND	50.0									
Acrylonitrile	ND	5.00									
Benzene	ND	0.300									
Bromobenzene	ND	1.00									
Bromochloromethane	ND	1.00									
Bromodichloromethane	ND	1.00									
Bromoform	ND	1.00									
Bromomethane	ND	1.00									
Carbon disulfide	ND	2.00									
Carbon tetrachloride	ND	1.00									
Chlorobenzene	ND	1.00									
Chloroethane	ND	1.00									
Chloroform	ND	1.00									
Chloromethane	ND	1.00									
cis-1,2-Dichloroethene	ND	1.00									
cis-1,3-Dichloropropene	ND	1.00									

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

Page 11 of 22

QC SUMMARY REPORT

WO#: 1204206

10-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03 T01

TestCode: 8260_W

Sample ID: MBLK-4156	SampType: MBLK	TestCode: 8260_W	Units: µg/L	Prep Date:	RunNo: 4156						
Client ID: PBW	Batch ID: R4156	TestNo: SW8260B	Analysis Date: 4/27/2012	SeqNo: 55627							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	ND	1.00									
Dibromomethane	ND	1.00									
Dichlorodifluoromethane	ND	1.00									
Ethylbenzene	ND	1.00									
Hexachlorobutadiene	ND	1.00									
Isopropylbenzene	ND	1.00									
m,p-Xylene	ND	2.00									
Methyl tert-butyl ether	ND	1.00									
Methylene chloride	ND	20.0									
Naphthalene	ND	1.00									
n-Butylbenzene	ND	1.00									
n-Propylbenzene	ND	1.00									
o-Xylene	ND	1.00									
sec-Butylbenzene	ND	1.00									
Styrene	ND	1.00									
tert-Butylbenzene	ND	1.00									
Tetrachloroethene	ND	1.00									
Toluene	ND	1.00									
trans-1,2-Dichloroethene	ND	1.00									
trans-1,3-Dichloropropene	ND	1.00									
Trichloroethene	ND	1.00									
Trichlorofluoromethane	ND	1.00									
Vinyl chloride	ND	1.00									
Surr: 1,2-Dichloroethane-d4	96.8		100.0		96.8	85.3	116				
Surr: 4-Bromofluorobenzene	106		100.0		106	88.1	120				
Surr: Dibromofluoromethane	115		100.0		115	94.2	122				

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

QC SUMMARY REPORT

WO#: 1204206

10-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03 T01

TestCode: 8260_W

Sample ID: MBLK-4156		SampType: MBLK	TestCode: 8260_W		Units: µg/L	Prep Date:				RunNo: 4156		
Client ID: PBW		Batch ID: R4156	TestNo: SW8260B			Analysis Date: 4/27/2012				SeqNo: 55627		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Surr: Toluene-d8 119 100.0 119 86.2 135

Sample ID: CCB-4156		SampType: CCB	TestCode: 8260_W		Units: µg/L	Prep Date:				RunNo: 4156		
Client ID: CCB	Batch ID: R4156		TestNo: SW8260B			Analysis Date: 5/8/2012				SeqNo: 55633		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Naphthalene ND 1.00

Sample ID: CCV-4156		SampType: CCV	TestCode: 8260_W		Units: µg/L		Prep Date:			RunNo: 4156		
Client ID: CCV		Batch ID: R4156		TestNo: SW8260B		Analysis Date: 5/4/2012			SeqNo: 55661			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1-Dichloroethene 39.4 1.00 40.00 0 98.6 80 120
 1,2-Dichloropropane 45.8 1.00 40.00 0 114 80 120
 Chloroform 39.4 1.00 40.00 0 98.4 80 120
 Ethylbenzene 38.5 1.00 40.00 0 96.3 80 120
 Toluene 41.0 1.00 40.00 0 103 80 120
 Vinyl chloride 34.6 1.00 40.00 0 86.4 80 120

Sample ID: 1204195-004DMS		SampType: MS		TestCode: 8260_W		Units: µg/L		Prep Date:			RunNo: 4156		
Client ID: ZZZZZZ		Batch ID: R4156		TestNo: SW8260B		Analysis Date: 5/4/2012			SeqNo: 55679				
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1-Dichloroethene 15.4 1.00 40.00 0 38.4 51.4 176 SMCH
 Benzene 841 0.300 40.00 0 2,100 71.5 118 SMCH

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
 R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

WO#: 1204206

10-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03 T01

TestCode: 8260_W

Sample ID: 1204195-004DMS	SampType: MS	TestCode: 8260_W	Units: µg/L	Prep Date:	RunNo: 4156						
Client ID: ZZZZZZ	Batch ID: R4156	TestNo: SW8260B		Analysis Date: 5/4/2012	SeqNo: 55679						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	14.2	1.00	40.00	0	35.5	79.8	114				SMCH
Toluene	214	1.00	40.00	0	535	79.6	121				SMCH
Trichloroethene	25.5	1.00	40.00	0	63.8	73.6	120				SMCH

Sample ID: 1204195-004DMSD	SampType: MSD	TestCode: 8260_W	Units: µg/L	Prep Date:					RunNo: 4156		
Client ID: ZZZZZZ	Batch ID: R4156	TestNo: SW8260B	Analysis Date: 5/4/2012					SeqNo: 55680			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	33.8	1.00	40.00	0	84.4	51.4	176	15.38	74.9	20	RMCH
Benzene	824	0.300	40.00	0	2,060	71.5	118	841.0	2.08	20	SMCH
Chlorobenzene	31.9	1.00	40.00	0	79.8	79.8	114	14.18	76.9	20	SRMCH
Toluene	228	1.00	40.00	0	571	79.6	121	214.1	6.47	20	SMCH
Trichloroethene	47.0	1.00	40.00	0	118	73.6	120	25.54	59.2	20	RMCH

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

Page 14 of 22

QC SUMMARY REPORT

WO#: 1204206

10-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03 T01

TestCode: HG_CT

Sample ID: MB-2415	SampType: MBLK	TestCode: HG_CT	Units: mg/L	Prep Date: 4/24/2012	RunNo: 3891
Client ID: PBW	Batch ID: 2415	TestNo: E7470A	E245.1	Analysis Date: 4/24/2012	SeqNo: 51945
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Mercury ND 0.00010

Sample ID: LCS-2415	SampType: LCS	TestCode: HG_CT	Units: mg/L	Prep Date: 4/24/2012	RunNo: 3891
Client ID: LCSW	Batch ID: 2415	TestNo: E7470A	E245.1	Analysis Date: 4/24/2012	SeqNo: 51946
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Mercury 0.00412 0.00010 0.004000 0 103 85.4 116

Sample ID: 1204179-001CDUP	SampType: DUP	TestCode: HG_CT	Units: mg/L	Prep Date: 4/24/2012	RunNo: 3891
Client ID: ZZZZZZ	Batch ID: 2415	TestNo: E7470A	E245.1	Analysis Date: 4/24/2012	SeqNo: 51948
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Mercury ND 0.00010 0 0 20

Sample ID: 1204179-001CMS	SampType: MS	TestCode: HG_CT	Units: mg/L	Prep Date: 4/24/2012	RunNo: 3891
Client ID: ZZZZZZ	Batch ID: 2415	TestNo: E7470A	E245.1	Analysis Date: 4/24/2012	SeqNo: 51949
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Mercury 0.00327 0.00010 0.004000 0 81.8 69.5 125

Sample ID: 1204179-001CMSD	SampType: MSD	TestCode: HG_CT	Units: mg/L	Prep Date: 4/24/2012	RunNo: 3891
Client ID: ZZZZZZ	Batch ID: 2415	TestNo: E7470A	E245.1	Analysis Date: 4/24/2012	SeqNo: 51950
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Mercury 0.00326 0.00010 0.004000 0 81.4 69.5 125 0.003273 0.521 20

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 15 of 22
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

WO#: 1204206

10-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03 T01

TestCode: HG_CT

Sample ID: CCV		SampType: CCV		TestCode: HG_CT		Units: mg/L		Prep Date:			RunNo: 3891		
Client ID: CCV		Batch ID: 2415		TestNo: E7470A		E245.1		Analysis Date: 4/24/2012			SeqNo: 51962		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00428	0.00010	0.004000	0	107	90	110				

Sample ID: CCV		SampType: CCV		TestCode: HG_CT		Units: mg/L		Prep Date:			RunNo: 3891		
Client ID: CCV		Batch ID: 2415		TestNo: E7470A		E245.1		Analysis Date: 4/24/2012			SeqNo: 51963		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00411	0.00010	0.004000	0	103	90	110				

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

Page 16 of 22

QC SUMMARY REPORT

WO#: 1204206

10-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03 T01

TestCode: NWTPHDXLL_W

Sample ID: MB-2460		SampType: MBLK		TestCode: NWTPHDXLL		Units: mg/L		Prep Date:			RunNo: 3969		
Client ID: PBW		Batch ID: 2460		TestNo: NWTPH-Dx		SW3510B		Analysis Date: 4/27/2012			SeqNo: 53955		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel	ND	0.080									
Lube Oil	ND	0.200									
Surr: o-Terphenyl	0.166		0.2000		82.8	50	150				

Sample ID: LCS-2460	SampType: LCS	TestCode: NWTPHDXLL	Units: mg/L	Prep Date:	RunNo: 3969						
Client ID: LCSW	Batch ID: 2460	TestNo: NWTPH-Dx	SW3510B	Analysis Date: 4/27/2012	SeqNo: 53956						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel	0.999	0.080	1.000	0	99.9	60.7	121				
Lube Oil	0.962	0.200	1.000	0	96.2	64	126				

Sample ID: LCSD-2460	SampType: LCSD	TestCode: NWTPHDXLL	Units: mg/L	Prep Date:				RunNo: 3969			
Client ID: LCSS02	Batch ID: 2460	TestNo: NWTPH-Dx	SW3510B	Analysis Date: 4/27/2012				SeqNo: 53957			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel	0.989	0.080	1.000	0	98.9	60.7	121	0.9989	0.946	20	
Lube Oil	0.956	0.200	1.000	0	95.6	64	126	0.9621	0.624	20	

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

QC SUMMARY REPORT

WO#: 1204206

10-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03 T01

TestCode: NWTPHHCID_W

Sample ID: MB-2438	SampType: MBLK	TestCode: NWTPHHCID	Units: mg/L	Prep Date: 4/25/2012	RunNo: 3946						
Client ID: PBW	Batch ID: 2438	TestNo: NWHCID	HCID_W	Analysis Date: 4/26/2012	SeqNo: 52758						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	ND	0.630									
Gasoline	ND	0.250									
Kerosene	ND	0.630									
Lube Oil	ND	0.630									
Mineral Spirits	ND	0.250									
Surr: BFB	0.641		1.000		64.1	30.2	133				
Surr: o-Terphenyl	0.748		1.000		74.8	50	150				

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

Page 18 of 22

QC SUMMARY REPORT

WO#: 1204206

10-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03 T01

TestCode: PAHLL_W

Sample ID: CCV-2464		SampType: CCV		TestCode: PAHLL_W		Units: µg/L		Prep Date:			RunNo: 3979		
Client ID: CCV		Batch ID: 2464		TestNo: SW8270D		SW 3510C		Analysis Date: 4/30/2012			SeqNo: 53179		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1-Methylnaphthalene	1.06	0.050	1.000	0	106	80	120				
2-Methylnaphthalene	1.01	0.050	1.000	0	101	80	120				
Acenaphthene	0.930	0.050	1.000	0	93.0	80	120				
Acenaphthylene	0.960	0.050	1.000	0	96.0	80	120				
Anthracene	1.00	0.050	1.000	0	100	80	120				
Benzo(a)pyrene	0.920	0.050	1.000	0	92.0	80	120				
Benzo(b)fluoranthene	0.930	0.050	1.000	0	93.0	80	120				
Benzo(g,h,i)perylene	0.930	0.050	1.000	0	93.0	80	120				
Benzo(k)fluoranthene	1.06	0.050	1.000	0	106	80	120				
Benzo[a]anthracene	0.840	0.050	1.000	0	84.0	80	120				
Chrysene	1.07	0.050	1.000	0	107	80	120				
Dibenz(a,h)anthracene	0.960	0.050	1.000	0	96.0	80	120				
Fluoranthene	1.05	0.050	1.000	0	105	80	120				
Fluorene	0.970	0.050	1.000	0	97.0	80	120				
Indeno(1,2,3-cd)pyrene	1.06	0.050	1.000	0	106	80	120				
Naphthalene	0.980	0.050	1.000	0	98.0	80	120				
Phenanthrene	0.960	0.050	1.000	0	96.0	80	120				
Pyrene	0.920	0.050	1.000	0	92.0	80	120				

Sample ID: MB-2464		SampType: MBLK	TestCode: PAHLL_W		Units: µg/L	Prep Date: 4/27/2012				RunNo: 3979		
Client ID: PBW		Batch ID: 2464	TestNo: SW8270D		SW 3510C	Analysis Date: 4/30/2012				SeqNo: 53180		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1-Methylnaphthalene	ND	0.050									
2-Methylnaphthalene	ND	0.050									

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

Page 19 of 22

QC SUMMARY REPORT

WO#: 1204206

10-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03 T01

TestCode: PAHLL_W

Sample ID: MB-2464		SampType: MBLK		TestCode: PAHLL_W		Units: µg/L		Prep Date: 4/27/2012			RunNo: 3979		
Client ID: PBW		Batch ID: 2464		TestNo: SW8270D		SW 3510C		Analysis Date: 4/30/2012			SeqNo: 53180		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	ND	0.050									
Acenaphthylene	ND	0.050									
Anthracene	ND	0.050									
Benzo(a)pyrene	ND	0.050									
Benzo(b)fluoranthene	ND	0.050									
Benzo(g,h,i)perylene	ND	0.050									
Benzo(k)fluoranthene	ND	0.050									
Benzo[a]anthracene	ND	0.050									
Chrysene	ND	0.050									
Dibenz(a,h)anthracene	ND	0.050									
Fluoranthene	ND	0.050									
Fluorene	ND	0.050									
Indeno(1,2,3-cd)pyrene	ND	0.050									
Naphthalene	ND	0.050									
Phenanthrene	ND	0.050									
Pyrene	ND	0.050									

Surr: 2-Fluorobiphenyl	85.6		100.0		85.6	18.6	106				
Surr: Nitrobenzene-d5	90.2		100.0		90.2	17	130				
Surr: Terphenyl-d14	96.5		100.0		96.5	39.6	131				

Sample ID: LCS-2464	SampType: LCS	TestCode: PAHLL_W	Units: µg/L	Prep Date: 4/27/2012	RunNo: 3979						
Client ID: LCSW	Batch ID: 2464	TestNo: SW8270D	SW 3510C	Analysis Date: 4/30/2012	SeqNo: 53184						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	3.29	0.050	5.000	0	65.8	35.1	100				

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

Page 20 of 22

QC SUMMARY REPORT

WO#: 1204206

10-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03 T01

TestCode: PAHLL_W

Sample ID: LCS-2464		SampType: LCS	TestCode: PAHLL_W		Units: µg/L	Prep Date: 4/27/2012				RunNo: 3979	
Client ID: LCSW	Batch ID: 2464		TestNo: SW8270D		SW 3510C	Analysis Date: 4/30/2012				SeqNo: 53184	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthylene	3.68	0.050	5.000	0	73.6	29	89.1				
Anthracene	3.62	0.050	5.000	0	72.4	42	97.4				
Benzo(a)pyrene	3.48	0.050	5.000	0	69.6	23.4	103				
Benzo(b)fluoranthene	3.46	0.050	5.000	0	69.2	36.6	99.5				
Benzo(g,h,i)perylene	3.36	0.050	5.000	0	67.2	20.8	120				
Benzo(k)fluoranthene	3.64	0.050	5.000	0	72.8	39.7	93.4				
Benzo[a]anthracene	3.40	0.050	5.000	0	68.0	34.2	95.8				
Chrysene	3.80	0.050	5.000	0	76.0	39.1	119				
Dibenz(a,h)anthracene	3.33	0.050	5.000	0	66.6	5.05	89				
Fluoranthene	4.13	0.050	5.000	0	82.6	42.4	95.9				
Fluorene	3.72	0.050	5.000	0	74.4	37.4	88.4				
Indeno(1,2,3-cd)pyrene	3.47	0.050	5.000	0	69.4	10.5	98.4				
Naphthalene	3.44	0.050	5.000	0	68.8	25.6	106				
Phenanthrene	3.69	0.050	5.000	0	73.8	38.1	106				
Pyrene	3.72	0.050	5.000	0	74.4	41.3	118				

Sample ID: LCSD-2464	SampType: LCSD	TestCode: PAHLL_W	Units: µg/L	Prep Date: 4/27/2012	RunNo: 3979						
Client ID: LCSS02	Batch ID: 2464	TestNo: SW8270D	SW 3510C	Analysis Date: 4/30/2012	SeqNo: 53185						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	4.32	0.050	5.000	0	86.4	35.1	100	3.290	27.1	20	R
Acenaphthylene	4.42	0.050	5.000	0	88.4	29	89.1	3.680	18.3	20	
Anthracene	4.27	0.050	5.000	0	85.4	42	97.4	3.620	16.5	20	
Benzo(a)pyrene	4.15	0.050	5.000	0	83.0	23.4	103	3.480	17.6	20	
Benzo(b)fluoranthene	4.55	0.050	5.000	0	91.0	36.6	99.5	3.460	27.2	20	R

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

Page 21 of 22

QC SUMMARY REPORT

WO#: 1204206

10-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03 T01

TestCode: PAHLL_W

Sample ID: LCSD-2464	SampType: LCSD	TestCode: PAHLL_W	Units: µg/L	Prep Date: 4/27/2012	RunNo: 3979						
Client ID: LCSS02	Batch ID: 2464	TestNo: SW8270D	SW 3510C	Analysis Date: 4/30/2012	SeqNo: 53185						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(g,h,i)perylene	4.03	0.050	5.000	0	80.6	20.8	120	3.360	18.1	20	
Benzo(k)fluoranthene	4.14	0.050	5.000	0	82.8	39.7	93.4	3.640	12.9	20	
Benzo[a]anthracene	4.10	0.050	5.000	0	82.0	34.2	95.8	3.400	18.7	20	
Chrysene	4.75	0.050	5.000	0	95.0	39.1	119	3.800	22.2	20	R
Dibenz(a,h)anthracene	4.25	0.050	5.000	0	85.0	5.05	89	3.330	24.3	20	R
Fluoranthene	4.92	0.050	5.000	0	98.4	42.4	95.9	4.130	17.5	20	SO
Fluorene	4.60	0.050	5.000	0	92.0	37.4	88.4	3.720	21.2	20	SRO
Indeno(1,2,3-cd)pyrene	4.20	0.050	5.000	0	84.0	10.5	98.4	3.470	19.0	20	
Naphthalene	4.30	0.050	5.000	0	86.0	25.6	106	3.440	22.2	20	R
Phenanthrene	4.37	0.050	5.000	0	87.4	38.1	106	3.690	16.9	20	
Pyrene	4.44	0.050	5.000	0	88.8	41.3	118	3.720	17.6	20	

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

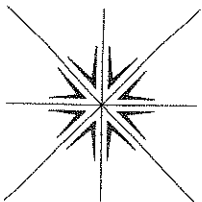
Page 22 of 22

KEY TO FLAGS

Rev. May 12, 2010

- A This sample contains a Gasoline Range Organic not identified as a specific hydrocarbon product. The result was quantified against gasoline calibration standards
- A1 This sample contains a Diesel Range Organic not identified as a specific hydrocarbon product. The result was quantified against diesel calibration standards.
- A2 This sample contains a Lube Oil Range Organic not identified as a specific hydrocarbon product. The result was quantified against a lube oil calibration standard.
- A3 The result was determined to be Non-Detect based on hydrocarbon pattern recognition. The product was carry-over from another hydrocarbon type.
- A4 The product appears to be aged or degraded diesel.
- B The blank exhibited a positive result great than the reporting limit for this compound.
- CN See Case Narrative.
- D Result is based from a dilution.
- E Result exceeds the calibration range for this compound. The result should be considered as estimate.
- F The positive result for this hydrocarbon is due to single component contamination. The product does not match any hydrocarbon in the fuels library.
- G Result may be biased high due to biogenic interferences. Clean up is recommended.
- H Sample was analyzed outside recommended holding time.
- HT At clients request, samples was analyzed outside of recommended holding time.
- J The result for this analyte is between the MDL and the PQL and should be considered as estimated concentration.
- K Diesel result is biased high due to amount of Oil contained in the sample.
- L Diesel result is biased high due to amount of Gasoline contained in the sample.
- M Oil result is biased high due to amount of Diesel contained in the sample.
- MC Sample concentration is greater than 4x the spiked value, the spiked value is considered insignificant.
- MI Result is outside control limits due to matrix interference.
- MSA Value determined by Method of Standard Addition.
- O Laboratory Control Standard (LCS) exceeded laboratory control limits, but meets CCV criteria. Data meets EPA requirements.
- Q Detection levels elevated due to sample matrix.
- R RPD control limits were exceeded.
- RF Duplicate failed due to result being at or near the method-reporting limit.
- RP Matrix spike values exceed established QC limits; post digestion spike is in control.
- S Recovery is outside control limits.
- SC Closing CCV or LCS exceeded high recovery control limits, but associated samples are non-detect. Data meets EPA requirements.
- * The result for this parameter was greater than the maximum contaminant level of the TCLP regulatory limit.

Page 1 of 1



11711 SE Capps Road
Clackamas, OR 97015
Phone: 503-607-1331
Fax: 503-607-1336

Contact Person/Project Manager Christina Johnson / Justin Pounds
Company MFA
Address 400 East Mill Plain Ste 400
Vancouver, WA 98660
Phone 360-694-2691 Fax 360-906-1958
Project No. 0564.01.03 to 1 Project Name 32nd Street
Project Site Location OR (WA) Other _____
Invoice To Same P.O. No. _____

Collected By:

Signature_____

Printed.

Signature_

Printed_

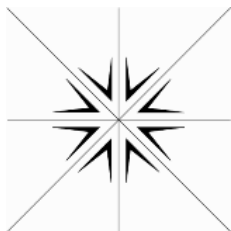
Turn Around Time

☒ Normal 5-7 Business Days☐ Rush

Specify

Rush Analyses Must Be Scheduled With The Lab In Advance

[illegible]



Specialty Analytical

11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

May 16, 2012

Christina Johnson
Maul Foster & Alongi
400 E. Mill Plain Blvd.
Suite 400
Vancouver, Washington 98660
TEL: (360) 694-2691
FAX: (360) 906-1958
RE: 32nd Street / 0564.01.03 T01

Dear Christina Johnson:

Order No.: 1204207

Specialty Analytical received 14 sample(s) on 4/23/2012 for the analyses presented in the following report.

There were no problems with the analysis and all data for associated QC met EPA or laboratory specifications, except where noted in the Case Narrative, or as qualified with flags. Results apply only to the samples analyzed. Without approval of the laboratory, the reproduction of this report is only permitted in its entirety.

If you have any questions regarding these tests, please feel free to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Marty French", written in a cursive style.

Marty French
Lab Director

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03 T01
Lab ID: 1204207-001
Client Sample ID: GP07-S-11.5

Collection Date: 4/20/2012 1:30:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST		PER CLIENT				Analyst: knb
Hold	Hold	0			1	5/10/2012 4:20:47 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03 T01
Lab ID: 1204207-002
Client Sample ID: GP07-S-4.0

Collection Date: 4/20/2012 1:15:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID		Analyst: kbh		
Gasoline	ND	25.3		mg/Kg-dry	1	4/24/2012 8:09:00 AM
Mineral Spirits	ND	25.3		mg/Kg-dry	1	4/24/2012 8:09:00 AM
Kerosene	ND	63.1		mg/Kg-dry	1	4/24/2012 8:09:00 AM
Diesel	ND	63.1		mg/Kg-dry	1	4/24/2012 8:09:00 AM
Lube Oil	ND	126		mg/Kg-dry	1	4/24/2012 8:09:00 AM
Surr: BFB	88.4	50-150		%REC	1	4/24/2012 8:09:00 AM
Surr: o-Terphenyl	85.4	50-150		%REC	1	4/24/2012 8:09:00 AM
RCRA_8		SW6010C		Analyst: CT		
Arsenic	2.47	2.10		mg/Kg-dry	1	4/24/2012 8:44:40 PM
Barium	222	1.05		mg/Kg-dry	1	4/24/2012 8:44:40 PM
Cadmium	ND	0.105		mg/Kg-dry	1	4/24/2012 8:44:40 PM
Chromium	17.0	0.526		mg/Kg-dry	1	4/24/2012 8:44:40 PM
Lead	2.14	2.10		mg/Kg-dry	1	4/24/2012 8:44:40 PM
Selenium	ND	2.10		mg/Kg-dry	1	4/24/2012 8:44:40 PM
Silver	2.61	2.10		mg/Kg-dry	1	4/25/2012 12:34:36 PM
RCRA_8		SW 7471B		Analyst: CT		
Mercury	0.0218	0.0198		mg/Kg-dry	1	4/26/2012 3:01:40 PM
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B		Analyst: ajr		
1,1,1,2-Tetrachloroethane	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
1,1,1-Trichloroethane	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
1,1,2,2-Tetrachloroethane	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
1,1,2-Trichloroethane	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
1,1-Dichloroethane	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
1,1-Dichloroethene	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
1,1-Dichloropropene	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
1,2,3-Trichlorobenzene	9.59	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
1,2,3-Trichloropropane	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
1,2,4-Trichlorobenzene	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
1,2,4-Trimethylbenzene	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
1,2-Dibromo-3-chloropropane	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
1,2-Dibromoethane	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
1,2-Dichlorobenzene	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
1,2-Dichloroethane	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
1,2-Dichloropropane	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
1,3,5-Trimethylbenzene	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
1,3-Dichlorobenzene	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03 T01
Lab ID: 1204207-002
Client Sample ID: GP07-S-4.0

Collection Date: 4/20/2012 1:15:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
1,3-Dichloropropane	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
1,4-Dichlorobenzene	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
2,2-Dichloropropane	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
2-Butanone	ND	37.0		µg/Kg-dry	1	4/26/2012 2:16:00 PM
2-Chlorotoluene	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
2-Hexanone	ND	18.5		µg/Kg-dry	1	4/26/2012 2:16:00 PM
4-Chlorotoluene	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
4-Isopropyltoluene	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
4-Methyl-2-pentanone	ND	37.0		µg/Kg-dry	1	4/26/2012 2:16:00 PM
Acetone	ND	92.6		µg/Kg-dry	1	4/26/2012 2:16:00 PM
Benzene	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
Bromobenzene	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
Bromochloromethane	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
Bromodichloromethane	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
Bromoform	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
Bromomethane	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
Carbon Disulfide	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
Carbon tetrachloride	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
Chlorobenzene	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
Chloroethane	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
Chloroform	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
Chloromethane	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
cis-1,2-Dichloroethene	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
cis-1,3-Dichloropropene	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
Dibromochloromethane	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
Dibromomethane	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
Dichlorodifluoromethane	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
Ethylbenzene	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
Hexachlorobutadiene	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
Isopropylbenzene	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
m,p-Xylene	ND	18.5		µg/Kg-dry	1	4/26/2012 2:16:00 PM
Methyl tert-butyl ether	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
Methylene Chloride	ND	46.3		µg/Kg-dry	1	4/26/2012 2:16:00 PM
Naphthalene	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
n-Butylbenzene	9.69	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
n-Propylbenzene	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
o-Xylene	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
sec-Butylbenzene	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
Styrene	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03 T01
Lab ID: 1204207-002
Client Sample ID: GP07-S-4.0

Collection Date: 4/20/2012 1:15:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
tert-Butylbenzene	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
Tetrachloroethene	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
Toluene	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
trans-1,2-Dichloroethene	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
trans-1,3-Dichloropropene	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
Trichloroethene	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
Trichlorofluoromethane	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
Vinyl Chloride	ND	9.26		µg/Kg-dry	1	4/26/2012 2:16:00 PM
Surr: 1,2-Dichloroethane-d4	140	71.5-112	S	%REC	1	4/26/2012 2:16:00 PM
Surr: 4-Bromofluorobenzene	118	75.7-122		%REC	1	4/26/2012 2:16:00 PM
Surr: Dibromofluoromethane	166	64.3-124	S	%REC	1	4/26/2012 2:16:00 PM
Surr: Toluene-d8	112	74.9-120		%REC	1	4/26/2012 2:16:00 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03 T01
Lab ID: 1204207-003
Client Sample ID: GP09-S-25.0

Collection Date: 4/20/2012 10:00:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST		PER CLIENT				Analyst: knb
Hold	Hold	0			1	5/10/2012 4:20:47 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03 T01
Lab ID: 1204207-004
Client Sample ID: GP09-S-3.0

Collection Date: 4/20/2012 9:30:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID		Analyst: kbh		
Gasoline	ND	23.2		mg/Kg-dry	1	4/24/2012 8:09:00 AM
Mineral Spirits	ND	23.2		mg/Kg-dry	1	4/24/2012 8:09:00 AM
Kerosene	ND	58.0		mg/Kg-dry	1	4/24/2012 8:09:00 AM
Diesel	ND	58.0		mg/Kg-dry	1	4/24/2012 8:09:00 AM
Lube Oil	ND	116		mg/Kg-dry	1	4/24/2012 8:09:00 AM
Surr: BFB	89.4	50-150		%REC	1	4/24/2012 8:09:00 AM
Surr: o-Terphenyl	89.4	50-150		%REC	1	4/24/2012 8:09:00 AM
RCRA_8		SW6010C		Analyst: CT		
Arsenic	ND	2.15		mg/Kg-dry	1	4/24/2012 8:49:26 PM
Barium	218	1.07		mg/Kg-dry	1	4/24/2012 8:49:26 PM
Cadmium	0.140	0.107		mg/Kg-dry	1	4/24/2012 8:49:26 PM
Chromium	14.8	0.537		mg/Kg-dry	1	4/24/2012 8:49:26 PM
Lead	21.8	2.15		mg/Kg-dry	1	4/24/2012 8:49:26 PM
Selenium	ND	2.15		mg/Kg-dry	1	4/24/2012 8:49:26 PM
Silver	3.82	2.15		mg/Kg-dry	1	4/25/2012 12:39:20 PM
RCRA_8		SW 7471B		Analyst: CT		
Mercury	0.0211	0.0194		mg/Kg-dry	1	4/26/2012 3:01:40 PM
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B		Analyst: ajr		
1,1,1,2-Tetrachloroethane	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
1,1,1-Trichloroethane	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
1,1,2,2-Tetrachloroethane	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
1,1,2-Trichloroethane	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
1,1-Dichloroethane	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
1,1-Dichloroethene	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
1,1-Dichloropropene	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
1,2,3-Trichlorobenzene	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
1,2,3-Trichloropropane	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
1,2,4-Trichlorobenzene	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
1,2,4-Trimethylbenzene	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
1,2-Dibromo-3-chloropropane	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
1,2-Dibromoethane	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
1,2-Dichlorobenzene	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
1,2-Dichloroethane	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
1,2-Dichloropropane	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
1,3,5-Trimethylbenzene	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
1,3-Dichlorobenzene	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03 T01
Lab ID: 1204207-004
Client Sample ID: GP09-S-3.0

Collection Date: 4/20/2012 9:30:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
1,3-Dichloropropane	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
1,4-Dichlorobenzene	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
2,2-Dichloropropane	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
2-Butanone	ND	36.9		µg/Kg-dry	1	4/26/2012 2:51:00 PM
2-Chlorotoluene	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
2-Hexanone	ND	18.5		µg/Kg-dry	1	4/26/2012 2:51:00 PM
4-Chlorotoluene	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
4-Isopropyltoluene	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
4-Methyl-2-pentanone	ND	36.9		µg/Kg-dry	1	4/26/2012 2:51:00 PM
Acetone	ND	92.4		µg/Kg-dry	1	4/26/2012 2:51:00 PM
Benzene	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
Bromobenzene	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
Bromochloromethane	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
Bromodichloromethane	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
Bromoform	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
Bromomethane	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
Carbon Disulfide	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
Carbon tetrachloride	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
Chlorobenzene	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
Chloroethane	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
Chloroform	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
Chloromethane	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
cis-1,2-Dichloroethene	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
cis-1,3-Dichloropropene	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
Dibromochloromethane	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
Dibromomethane	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
Dichlorodifluoromethane	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
Ethylbenzene	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
Hexachlorobutadiene	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
Isopropylbenzene	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
m,p-Xylene	ND	18.5		µg/Kg-dry	1	4/26/2012 2:51:00 PM
Methyl tert-butyl ether	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
Methylene Chloride	ND	46.2		µg/Kg-dry	1	4/26/2012 2:51:00 PM
Naphthalene	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
n-Butylbenzene	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
n-Propylbenzene	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
o-Xylene	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
sec-Butylbenzene	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
Styrene	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03 T01
Lab ID: 1204207-004
Client Sample ID: GP09-S-3.0

Collection Date: 4/20/2012 9:30:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
tert-Butylbenzene	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
Tetrachloroethene	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
Toluene	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
trans-1,2-Dichloroethene	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
trans-1,3-Dichloropropene	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
Trichloroethene	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
Trichlorofluoromethane	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
Vinyl Chloride	ND	9.24		µg/Kg-dry	1	4/26/2012 2:51:00 PM
Surr: 1,2-Dichloroethane-d4	141	71.5-112	S	%REC	1	4/26/2012 2:51:00 PM
Surr: 4-Bromofluorobenzene	117	75.7-122		%REC	1	4/26/2012 2:51:00 PM
Surr: Dibromofluoromethane	164	64.3-124	S	%REC	1	4/26/2012 2:51:00 PM
Surr: Toluene-d8	116	74.9-120		%REC	1	4/26/2012 2:51:00 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03 T01
Lab ID: 1204207-005
Client Sample ID: GP09-S-14.0

Collection Date: 4/20/2012 9:45:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID		Analyst: kbh		
Gasoline	ND	25.6		mg/Kg-dry	1	4/24/2012 8:09:00 AM
Mineral Spirits	ND	25.6		mg/Kg-dry	1	4/24/2012 8:09:00 AM
Kerosene	ND	64.0		mg/Kg-dry	1	4/24/2012 8:09:00 AM
Diesel	ND	64.0		mg/Kg-dry	1	4/24/2012 8:09:00 AM
Lube Oil	ND	128		mg/Kg-dry	1	4/24/2012 8:09:00 AM
Surr: BFB	86.3	50-150		%REC	1	4/24/2012 8:09:00 AM
Surr: o-Terphenyl	85.0	50-150		%REC	1	4/24/2012 8:09:00 AM
RCRA_8		SW6010C		Analyst: CT		
Arsenic	9.26	2.21		mg/Kg-dry	1	4/24/2012 8:53:56 PM
Barium	165	1.10		mg/Kg-dry	1	4/24/2012 8:53:56 PM
Cadmium	0.121	0.110		mg/Kg-dry	1	4/24/2012 8:53:56 PM
Chromium	19.8	0.552		mg/Kg-dry	1	4/24/2012 8:53:56 PM
Lead	7.96	2.21		mg/Kg-dry	1	4/24/2012 8:53:56 PM
Selenium	ND	2.21		mg/Kg-dry	1	4/24/2012 8:53:56 PM
Silver	2.33	2.21		mg/Kg-dry	1	4/25/2012 12:44:03 PM
RCRA_8		SW 7471B		Analyst: CT		
Mercury	0.0370	0.0183		mg/Kg-dry	1	4/26/2012 3:01:40 PM
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B		Analyst: ajr		
1,1,1,2-Tetrachloroethane	ND	10.2		µg/Kg-dry	1	4/26/2012 3:17:00 PM
1,1,1-Trichloroethane	ND	10.2		µg/Kg-dry	1	4/26/2012 6:51:00 PM
1,1,2,2-Tetrachloroethane	ND	10.2		µg/Kg-dry	1	4/26/2012 3:17:00 PM
1,1,2-Trichloroethane	ND	10.2		µg/Kg-dry	1	4/26/2012 3:17:00 PM
1,1-Dichloroethane	ND	10.2		µg/Kg-dry	1	4/26/2012 6:51:00 PM
1,1-Dichloroethene	ND	10.2		µg/Kg-dry	1	4/26/2012 6:51:00 PM
1,1-Dichloropropene	ND	10.2		µg/Kg-dry	1	4/26/2012 6:51:00 PM
1,2,3-Trichlorobenzene	ND	10.2		µg/Kg-dry	1	4/26/2012 3:17:00 PM
1,2,3-Trichloropropane	ND	10.2		µg/Kg-dry	1	4/26/2012 3:17:00 PM
1,2,4-Trichlorobenzene	ND	10.2		µg/Kg-dry	1	4/26/2012 3:17:00 PM
1,2,4-Trimethylbenzene	ND	10.2		µg/Kg-dry	1	4/26/2012 3:17:00 PM
1,2-Dibromo-3-chloropropane	ND	10.2		µg/Kg-dry	1	4/26/2012 3:17:00 PM
1,2-Dibromoethane	ND	10.2		µg/Kg-dry	1	4/26/2012 3:17:00 PM
1,2-Dichlorobenzene	ND	10.2		µg/Kg-dry	1	4/26/2012 3:17:00 PM
1,2-Dichloroethane	ND	10.2		µg/Kg-dry	1	4/26/2012 6:51:00 PM
1,2-Dichloropropane	ND	10.2		µg/Kg-dry	1	4/26/2012 6:51:00 PM
1,3,5-Trimethylbenzene	ND	10.2		µg/Kg-dry	1	4/26/2012 3:17:00 PM
1,3-Dichlorobenzene	ND	10.2		µg/Kg-dry	1	4/26/2012 3:17:00 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03 T01
Lab ID: 1204207-005
Client Sample ID: GP09-S-14.0

Collection Date: 4/20/2012 9:45:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
1,3-Dichloropropane	ND	10.2		µg/Kg-dry	1	4/26/2012 3:17:00 PM
1,4-Dichlorobenzene	ND	10.2		µg/Kg-dry	1	4/26/2012 3:17:00 PM
2,2-Dichloropropane	ND	10.2		µg/Kg-dry	1	4/26/2012 6:51:00 PM
2-Butanone	ND	40.6		µg/Kg-dry	1	4/26/2012 6:51:00 PM
2-Chlorotoluene	ND	10.2		µg/Kg-dry	1	4/26/2012 3:17:00 PM
2-Hexanone	ND	20.3		µg/Kg-dry	1	4/26/2012 3:17:00 PM
4-Chlorotoluene	ND	10.2		µg/Kg-dry	1	4/26/2012 3:17:00 PM
4-Isopropyltoluene	ND	10.2		µg/Kg-dry	1	4/26/2012 3:17:00 PM
4-Methyl-2-pentanone	ND	40.6		µg/Kg-dry	1	4/26/2012 3:17:00 PM
Acetone	ND	102		µg/Kg-dry	1	4/26/2012 6:51:00 PM
Benzene	ND	10.2		µg/Kg-dry	1	4/26/2012 6:51:00 PM
Bromobenzene	ND	10.2		µg/Kg-dry	1	4/26/2012 3:17:00 PM
Bromochloromethane	ND	10.2		µg/Kg-dry	1	4/26/2012 6:51:00 PM
Bromodichloromethane	ND	10.2		µg/Kg-dry	1	4/26/2012 6:51:00 PM
Bromoform	ND	10.2		µg/Kg-dry	1	4/26/2012 3:17:00 PM
Bromomethane	ND	10.2		µg/Kg-dry	1	4/26/2012 6:51:00 PM
Carbon Disulfide	ND	10.2		µg/Kg-dry	1	4/26/2012 6:51:00 PM
Carbon tetrachloride	ND	10.2		µg/Kg-dry	1	4/26/2012 6:51:00 PM
Chlorobenzene	ND	10.2		µg/Kg-dry	1	4/26/2012 3:17:00 PM
Chloroethane	ND	10.2		µg/Kg-dry	1	4/26/2012 6:51:00 PM
Chloroform	ND	10.2		µg/Kg-dry	1	4/26/2012 6:51:00 PM
Chloromethane	ND	10.2		µg/Kg-dry	1	4/26/2012 6:51:00 PM
cis-1,2-Dichloroethene	ND	10.2		µg/Kg-dry	1	4/26/2012 6:51:00 PM
cis-1,3-Dichloropropene	ND	10.2		µg/Kg-dry	1	4/26/2012 6:51:00 PM
Dibromochloromethane	ND	10.2		µg/Kg-dry	1	4/26/2012 3:17:00 PM
Dibromomethane	ND	10.2		µg/Kg-dry	1	4/26/2012 6:51:00 PM
Dichlorodifluoromethane	ND	10.2		µg/Kg-dry	1	4/26/2012 6:51:00 PM
Ethylbenzene	ND	10.2		µg/Kg-dry	1	4/26/2012 3:17:00 PM
Hexachlorobutadiene	ND	10.2		µg/Kg-dry	1	4/26/2012 3:17:00 PM
Isopropylbenzene	ND	10.2		µg/Kg-dry	1	4/26/2012 3:17:00 PM
m,p-Xylene	ND	20.3		µg/Kg-dry	1	4/26/2012 3:17:00 PM
Methyl tert-butyl ether	ND	10.2		µg/Kg-dry	1	4/26/2012 6:51:00 PM
Methylene Chloride	ND	50.8		µg/Kg-dry	1	4/26/2012 6:51:00 PM
Naphthalene	ND	10.2		µg/Kg-dry	1	4/26/2012 3:17:00 PM
n-Butylbenzene	ND	10.2		µg/Kg-dry	1	4/26/2012 3:17:00 PM
n-Propylbenzene	ND	10.2		µg/Kg-dry	1	4/26/2012 3:17:00 PM
o-Xylene	ND	10.2		µg/Kg-dry	1	4/26/2012 3:17:00 PM
sec-Butylbenzene	ND	10.2		µg/Kg-dry	1	4/26/2012 3:17:00 PM
Styrene	ND	10.2		µg/Kg-dry	1	4/26/2012 3:17:00 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03 T01
Lab ID: 1204207-005
Client Sample ID: GP09-S-14.0

Collection Date: 4/20/2012 9:45:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
tert-Butylbenzene	ND	10.2		µg/Kg-dry	1	4/26/2012 3:17:00 PM
Tetrachloroethene	ND	10.2		µg/Kg-dry	1	4/26/2012 3:17:00 PM
Toluene	ND	10.2		µg/Kg-dry	1	4/26/2012 3:17:00 PM
trans-1,2-Dichloroethene	ND	10.2		µg/Kg-dry	1	4/26/2012 6:51:00 PM
trans-1,3-Dichloropropene	ND	10.2		µg/Kg-dry	1	4/26/2012 3:17:00 PM
Trichloroethene	ND	10.2		µg/Kg-dry	1	4/26/2012 6:51:00 PM
Trichlorofluoromethane	ND	10.2		µg/Kg-dry	1	4/26/2012 6:51:00 PM
Vinyl Chloride	ND	10.2		µg/Kg-dry	1	4/26/2012 6:51:00 PM
Surr: 1,2-Dichloroethane-d4	150	71.5-112	S	%REC	1	4/26/2012 3:17:00 PM
Surr: 4-Bromofluorobenzene	118	75.7-122		%REC	1	4/26/2012 3:17:00 PM
Surr: Dibromofluoromethane	176	64.3-124	S	%REC	1	4/26/2012 3:17:00 PM
Surr: Toluene-d8	122	74.9-120	S	%REC	1	4/26/2012 3:17:00 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03 T01
Lab ID: 1204207-006
Client Sample ID: GP10-S-4.0

Collection Date: 4/20/2012 2:30:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST		PER CLIENT				Analyst: knb
Hold	Hold	0			1	5/10/2012 4:20:47 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03 T01
Lab ID: 1204207-007
Client Sample ID: GP10-S-8.5

Collection Date: 4/20/2012 3:00:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID				Analyst: kbh
Gasoline	ND	23.5		mg/Kg-dry	1	4/24/2012 8:09:00 AM
Mineral Spirits	ND	23.5		mg/Kg-dry	1	4/24/2012 8:09:00 AM
Kerosene	ND	58.7		mg/Kg-dry	1	4/24/2012 8:09:00 AM
Diesel	ND	58.7		mg/Kg-dry	1	4/24/2012 8:09:00 AM
Lube Oil	ND	117		mg/Kg-dry	1	4/24/2012 8:09:00 AM
Surr: BFB	93.3	50-150		%REC	1	4/24/2012 8:09:00 AM
Surr: o-Terphenyl	90.1	50-150		%REC	1	4/24/2012 8:09:00 AM
RCRA_8		SW6010C				Analyst: CT
Arsenic	5.67	2.02		mg/Kg-dry	1	4/24/2012 8:58:27 PM
Barium	110	1.01		mg/Kg-dry	1	4/24/2012 8:58:27 PM
Cadmium	ND	0.101		mg/Kg-dry	1	4/24/2012 8:58:27 PM
Chromium	18.3	0.506		mg/Kg-dry	1	4/24/2012 8:58:27 PM
Lead	ND	2.02		mg/Kg-dry	1	4/24/2012 8:58:27 PM
Selenium	ND	2.02		mg/Kg-dry	1	4/24/2012 8:58:27 PM
Silver	2.65	2.02		mg/Kg-dry	1	4/25/2012 12:48:33 PM
RCRA_8		SW 7471B				Analyst: CT
Mercury	0.0220	0.0184		mg/Kg-dry	1	4/26/2012 3:01:40 PM
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
1,1,1,2-Tetrachloroethane	ND	8.99		µg/Kg-dry	1	4/26/2012 7:17:00 PM
1,1,1-Trichloroethane	ND	449	Q	µg/Kg-dry	50	4/30/2012 1:54:00 PM
1,1,2,2-Tetrachloroethane	ND	8.99		µg/Kg-dry	1	4/26/2012 7:17:00 PM
1,1,2-Trichloroethane	ND	8.99		µg/Kg-dry	1	4/26/2012 7:17:00 PM
1,1-Dichloroethane	ND	449	Q	µg/Kg-dry	50	4/30/2012 1:54:00 PM
1,1-Dichloroethene	ND	449	Q	µg/Kg-dry	50	4/30/2012 1:54:00 PM
1,1-Dichloropropene	ND	449	Q	µg/Kg-dry	50	4/30/2012 1:54:00 PM
1,2,3-Trichlorobenzene	ND	8.99		µg/Kg-dry	1	4/26/2012 7:17:00 PM
1,2,3-Trichloropropane	ND	8.99		µg/Kg-dry	1	4/26/2012 7:17:00 PM
1,2,4-Trichlorobenzene	ND	8.99		µg/Kg-dry	1	4/26/2012 7:17:00 PM
1,2,4-Trimethylbenzene	ND	8.99		µg/Kg-dry	1	4/26/2012 7:17:00 PM
1,2-Dibromo-3-chloropropane	ND	8.99		µg/Kg-dry	1	4/26/2012 7:17:00 PM
1,2-Dibromoethane	ND	8.99		µg/Kg-dry	1	4/26/2012 7:17:00 PM
1,2-Dichlorobenzene	ND	8.99		µg/Kg-dry	1	4/26/2012 7:17:00 PM
1,2-Dichloroethane	ND	449	Q	µg/Kg-dry	50	4/30/2012 1:54:00 PM
1,2-Dichloropropane	ND	449	Q	µg/Kg-dry	50	4/30/2012 1:54:00 PM
1,3,5-Trimethylbenzene	ND	8.99		µg/Kg-dry	1	4/26/2012 7:17:00 PM
1,3-Dichlorobenzene	ND	8.99		µg/Kg-dry	1	4/26/2012 7:17:00 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03 T01
Lab ID: 1204207-007
Client Sample ID: GP10-S-8.5

Collection Date: 4/20/2012 3:00:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
1,3-Dichloropropane	ND	8.99		µg/Kg-dry	1	4/26/2012 7:17:00 PM
1,4-Dichlorobenzene	ND	8.99		µg/Kg-dry	1	4/26/2012 7:17:00 PM
2,2-Dichloropropane	ND	449	Q	µg/Kg-dry	50	4/30/2012 1:54:00 PM
2-Butanone	ND	1,800	Q	µg/Kg-dry	50	4/30/2012 1:54:00 PM
2-Chlorotoluene	ND	8.99		µg/Kg-dry	1	4/26/2012 7:17:00 PM
2-Hexanone	ND	18.0		µg/Kg-dry	1	4/26/2012 7:17:00 PM
4-Chlorotoluene	ND	8.99		µg/Kg-dry	1	4/26/2012 7:17:00 PM
4-Isopropyltoluene	ND	8.99		µg/Kg-dry	1	4/26/2012 7:17:00 PM
4-Methyl-2-pentanone	ND	36.0		µg/Kg-dry	1	4/26/2012 7:17:00 PM
Acetone	ND	4,490	Q	µg/Kg-dry	50	4/30/2012 1:54:00 PM
Benzene	ND	449	Q	µg/Kg-dry	50	4/30/2012 1:54:00 PM
Bromobenzene	ND	8.99		µg/Kg-dry	1	4/26/2012 7:17:00 PM
Bromochloromethane	ND	449	Q	µg/Kg-dry	50	4/30/2012 1:54:00 PM
Bromodichloromethane	ND	449	Q	µg/Kg-dry	50	4/30/2012 1:54:00 PM
Bromoform	ND	8.99		µg/Kg-dry	1	4/26/2012 7:17:00 PM
Bromomethane	ND	449	Q	µg/Kg-dry	50	4/30/2012 1:54:00 PM
Carbon Disulfide	ND	449	Q	µg/Kg-dry	50	4/30/2012 1:54:00 PM
Carbon tetrachloride	ND	449	Q	µg/Kg-dry	50	4/30/2012 1:54:00 PM
Chlorobenzene	ND	8.99		µg/Kg-dry	1	4/26/2012 7:17:00 PM
Chloroethane	ND	449	Q	µg/Kg-dry	50	4/30/2012 1:54:00 PM
Chloroform	ND	449	Q	µg/Kg-dry	50	4/30/2012 1:54:00 PM
Chloromethane	ND	449	Q	µg/Kg-dry	50	4/30/2012 1:54:00 PM
cis-1,2-Dichloroethene	ND	8.99		µg/Kg-dry	1	4/26/2012 7:17:00 PM
cis-1,3-Dichloropropene	ND	8.99		µg/Kg-dry	1	4/26/2012 7:17:00 PM
Dibromochloromethane	ND	8.99		µg/Kg-dry	1	4/26/2012 7:17:00 PM
Dibromomethane	ND	449	Q	µg/Kg-dry	50	4/30/2012 1:54:00 PM
Dichlorodifluoromethane	ND	449	Q	µg/Kg-dry	50	4/30/2012 1:54:00 PM
Ethylbenzene	ND	8.99		µg/Kg-dry	1	4/26/2012 7:17:00 PM
Hexachlorobutadiene	ND	8.99		µg/Kg-dry	1	4/26/2012 7:17:00 PM
Isopropylbenzene	ND	8.99		µg/Kg-dry	1	4/26/2012 7:17:00 PM
m,p-Xylene	ND	18.0		µg/Kg-dry	1	4/26/2012 7:17:00 PM
Methyl tert-butyl ether	ND	449	Q	µg/Kg-dry	50	4/30/2012 1:54:00 PM
Methylene Chloride	ND	2,250	Q	µg/Kg-dry	50	4/30/2012 1:54:00 PM
Naphthalene	ND	8.99		µg/Kg-dry	1	4/26/2012 7:17:00 PM
n-Butylbenzene	ND	8.99		µg/Kg-dry	1	4/26/2012 7:17:00 PM
n-Propylbenzene	ND	8.99		µg/Kg-dry	1	4/26/2012 7:17:00 PM
o-Xylene	ND	8.99		µg/Kg-dry	1	4/26/2012 7:17:00 PM
sec-Butylbenzene	ND	8.99		µg/Kg-dry	1	4/26/2012 7:17:00 PM
Styrene	ND	8.99		µg/Kg-dry	1	4/26/2012 7:17:00 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03 T01
Lab ID: 1204207-007
Client Sample ID: GP10-S-8.5

Collection Date: 4/20/2012 3:00:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
tert-Butylbenzene	ND	8.99		µg/Kg-dry	1	4/26/2012 7:17:00 PM
Tetrachloroethene	ND	8.99		µg/Kg-dry	1	4/26/2012 7:17:00 PM
Toluene	ND	8.99		µg/Kg-dry	1	4/26/2012 7:17:00 PM
trans-1,2-Dichloroethene	ND	449	Q	µg/Kg-dry	50	4/30/2012 1:54:00 PM
trans-1,3-Dichloropropene	ND	8.99		µg/Kg-dry	1	4/26/2012 7:17:00 PM
Trichloroethene	ND	449	Q	µg/Kg-dry	50	4/30/2012 1:54:00 PM
Trichlorofluoromethane	ND	449	Q	µg/Kg-dry	50	4/30/2012 1:54:00 PM
Vinyl Chloride	ND	449	Q	µg/Kg-dry	50	4/30/2012 1:54:00 PM
Surr: 1,2-Dichloroethane-d4	129	71.5-112	S	%REC	1	4/26/2012 7:17:00 PM
Surr: 4-Bromofluorobenzene	114	75.7-122		%REC	1	4/26/2012 7:17:00 PM
Surr: Dibromofluoromethane	155	64.3-124	S	%REC	1	4/26/2012 7:17:00 PM
Surr: Toluene-d8	111	74.9-120		%REC	1	4/26/2012 7:17:00 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03 T01
Lab ID: 1204207-008
Client Sample ID: GP08-S-4.0

Collection Date: 4/20/2012 11:30:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID						
NWHCID						Analyst: kbh
Gasoline	ND	25.4		mg/Kg-dry	1	4/24/2012 8:09:00 AM
Mineral Spirits	ND	25.4		mg/Kg-dry	1	4/24/2012 8:09:00 AM
Kerosene	ND	63.6		mg/Kg-dry	1	4/24/2012 8:09:00 AM
Diesel	ND	63.6		mg/Kg-dry	1	4/24/2012 8:09:00 AM
Lube Oil	ND	127		mg/Kg-dry	1	4/24/2012 8:09:00 AM
Surr: BFB	90.2	50-150		%REC	1	4/24/2012 8:09:00 AM
Surr: o-Terphenyl	87.3	50-150		%REC	1	4/24/2012 8:09:00 AM
RCRA_8						
SW6010C						Analyst: CT
Arsenic	ND	2.12		mg/Kg-dry	1	4/24/2012 9:26:32 PM
Barium	149	1.06		mg/Kg-dry	1	4/24/2012 9:26:32 PM
Cadmium	ND	0.106		mg/Kg-dry	1	4/24/2012 9:26:32 PM
Chromium	16.8	0.530		mg/Kg-dry	1	4/24/2012 9:26:32 PM
Lead	ND	2.12		mg/Kg-dry	1	4/24/2012 9:26:32 PM
Selenium	ND	2.12		mg/Kg-dry	1	4/24/2012 9:26:32 PM
Silver	ND	2.12		mg/Kg-dry	1	4/25/2012 1:35:01 PM
RCRA_8						
SW 7471B						Analyst: CT
Mercury	0.0267	0.0172		mg/Kg-dry	1	4/26/2012 3:01:40 PM
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
SW8260B						Analyst: ajr
1,1,1,2-Tetrachloroethane	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
1,1,1-Trichloroethane	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
1,1,2,2-Tetrachloroethane	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
1,1,2-Trichloroethane	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
1,1-Dichloroethane	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
1,1-Dichloroethene	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
1,1-Dichloropropene	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
1,2,3-Trichlorobenzene	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
1,2,3-Trichloropropane	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
1,2,4-Trichlorobenzene	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
1,2,4-Trimethylbenzene	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
1,2-Dibromo-3-chloropropane	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
1,2-Dibromoethane	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
1,2-Dichlorobenzene	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
1,2-Dichloroethane	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
1,2-Dichloropropane	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
1,3,5-Trimethylbenzene	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
1,3-Dichlorobenzene	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03 T01
Lab ID: 1204207-008
Client Sample ID: GP08-S-4.0

Collection Date: 4/20/2012 11:30:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
1,3-Dichloropropane	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
1,4-Dichlorobenzene	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
2,2-Dichloropropane	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
2-Butanone	ND	42.4		µg/Kg-dry	1	4/26/2012 4:11:00 PM
2-Chlorotoluene	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
2-Hexanone	ND	21.2		µg/Kg-dry	1	4/26/2012 4:11:00 PM
4-Chlorotoluene	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
4-Isopropyltoluene	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
4-Methyl-2-pentanone	ND	42.4		µg/Kg-dry	1	4/26/2012 4:11:00 PM
Acetone	ND	106		µg/Kg-dry	1	4/26/2012 4:11:00 PM
Benzene	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
Bromobenzene	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
Bromochloromethane	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
Bromodichloromethane	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
Bromoform	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
Bromomethane	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
Carbon Disulfide	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
Carbon tetrachloride	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
Chlorobenzene	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
Chloroethane	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
Chloroform	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
Chloromethane	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
cis-1,2-Dichloroethene	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
cis-1,3-Dichloropropene	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
Dibromochloromethane	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
Dibromomethane	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
Dichlorodifluoromethane	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
Ethylbenzene	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
Hexachlorobutadiene	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
Isopropylbenzene	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
m,p-Xylene	ND	21.2		µg/Kg-dry	1	4/26/2012 4:11:00 PM
Methyl tert-butyl ether	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
Methylene Chloride	ND	53.0		µg/Kg-dry	1	4/26/2012 4:11:00 PM
Naphthalene	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
n-Butylbenzene	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
n-Propylbenzene	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
o-Xylene	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
sec-Butylbenzene	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
Styrene	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03 T01
Lab ID: 1204207-008
Client Sample ID: GP08-S-4.0

Collection Date: 4/20/2012 11:30:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
tert-Butylbenzene	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
Tetrachloroethene	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
Toluene	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
trans-1,2-Dichloroethene	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
trans-1,3-Dichloropropene	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
Trichloroethene	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
Trichlorofluoromethane	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
Vinyl Chloride	ND	10.6		µg/Kg-dry	1	4/26/2012 4:11:00 PM
Surr: 1,2-Dichloroethane-d4	128	71.5-112	S	%REC	1	4/26/2012 4:11:00 PM
Surr: 4-Bromofluorobenzene	118	75.7-122		%REC	1	4/26/2012 4:11:00 PM
Surr: Dibromofluoromethane	163	64.3-124	S	%REC	1	4/26/2012 4:11:00 PM
Surr: Toluene-d8	113	74.9-120		%REC	1	4/26/2012 4:11:00 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03 T01
Lab ID: 1204207-009
Client Sample ID: GP13-S-4.0

Collection Date: 4/20/2012 8:15:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID		Analyst: kbh		
Gasoline	ND	22.9		mg/Kg-dry	1	4/24/2012 8:09:00 AM
Mineral Spirits	ND	22.9		mg/Kg-dry	1	4/24/2012 8:09:00 AM
Kerosene	ND	57.3		mg/Kg-dry	1	4/24/2012 8:09:00 AM
Diesel	DIESEL	57.3		mg/Kg-dry	1	4/24/2012 8:09:00 AM
Lube Oil	OIL	115		mg/Kg-dry	1	4/24/2012 8:09:00 AM
Surr: BFB	91.4	50-150		%REC	1	4/24/2012 8:09:00 AM
Surr: o-Terphenyl	102	50-150		%REC	1	4/24/2012 8:09:00 AM
NWTPH-DX		NWTPH-DX		Analyst: kbh		
Diesel	241	17.2	A1	mg/Kg-dry	1	5/7/2012 7:43:00 PM
Lube Oil	258	57.3		mg/Kg-dry	1	5/7/2012 7:43:00 PM
Surr: o-Terphenyl	104	50-150		%REC	1	5/7/2012 7:43:00 PM
RCRA_8		SW6010C		Analyst: CT		
Arsenic	ND	1.97		mg/Kg-dry	1	4/24/2012 9:31:02 PM
Barium	153	0.987		mg/Kg-dry	1	4/24/2012 9:31:02 PM
Cadmium	ND	0.099		mg/Kg-dry	1	4/24/2012 9:31:02 PM
Chromium	9.17	0.494		mg/Kg-dry	1	4/24/2012 9:31:02 PM
Lead	2.39	1.97		mg/Kg-dry	1	4/24/2012 9:31:02 PM
Selenium	ND	1.97		mg/Kg-dry	1	4/24/2012 9:31:02 PM
Silver	3.80	1.97		mg/Kg-dry	1	4/25/2012 1:39:46 PM
RCRA_8		SW 7471B		Analyst: CT		
Mercury	0.0520	0.0155		mg/Kg-dry	1	4/26/2012 3:01:40 PM
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B		Analyst: ajr		
1,1,1,2-Tetrachloroethane	ND	9.49		µg/Kg-dry	1	4/26/2012 4:37:00 PM
1,1,1-Trichloroethane	ND	845	Q	µg/Kg-dry	50	4/30/2012 2:21:00 PM
1,1,2,2-Tetrachloroethane	ND	9.49		µg/Kg-dry	1	4/26/2012 4:37:00 PM
1,1,2-Trichloroethane	ND	9.49		µg/Kg-dry	1	4/26/2012 4:37:00 PM
1,1-Dichloroethane	ND	845	Q	µg/Kg-dry	50	4/30/2012 2:21:00 PM
1,1-Dichloroethene	ND	845	Q	µg/Kg-dry	50	4/30/2012 2:21:00 PM
1,1-Dichloropropene	ND	845	Q	µg/Kg-dry	50	4/30/2012 2:21:00 PM
1,2,3-Trichlorobenzene	ND	9.49		µg/Kg-dry	1	4/26/2012 4:37:00 PM
1,2,3-Trichloropropane	ND	9.49		µg/Kg-dry	1	4/26/2012 4:37:00 PM
1,2,4-Trichlorobenzene	ND	9.49		µg/Kg-dry	1	4/26/2012 4:37:00 PM
1,2,4-Trimethylbenzene	ND	9.49		µg/Kg-dry	1	4/26/2012 4:37:00 PM
1,2-Dibromo-3-chloropropane	ND	9.49		µg/Kg-dry	1	4/26/2012 4:37:00 PM
1,2-Dibromoethane	ND	9.49		µg/Kg-dry	1	4/26/2012 4:37:00 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03 T01
Lab ID: 1204207-009
Client Sample ID: GP13-S-4.0

Collection Date: 4/20/2012 8:15:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
1,2-Dichlorobenzene	ND	9.49		µg/Kg-dry	1	4/26/2012 4:37:00 PM
1,2-Dichloroethane	ND	845	Q	µg/Kg-dry	50	4/30/2012 2:21:00 PM
1,2-Dichloropropane	ND	845	Q	µg/Kg-dry	50	4/30/2012 2:21:00 PM
1,3,5-Trimethylbenzene	ND	9.49		µg/Kg-dry	1	4/26/2012 4:37:00 PM
1,3-Dichlorobenzene	ND	9.49		µg/Kg-dry	1	4/26/2012 4:37:00 PM
1,3-Dichloropropane	ND	9.49		µg/Kg-dry	1	4/26/2012 4:37:00 PM
1,4-Dichlorobenzene	ND	9.49		µg/Kg-dry	1	4/26/2012 4:37:00 PM
2,2-Dichloropropane	ND	845	Q	µg/Kg-dry	50	4/30/2012 2:21:00 PM
2-Butanone	ND	3,380	Q	µg/Kg-dry	50	4/30/2012 2:21:00 PM
2-Chlorotoluene	ND	9.49		µg/Kg-dry	1	4/26/2012 4:37:00 PM
2-Hexanone	ND	19.0		µg/Kg-dry	1	4/26/2012 4:37:00 PM
4-Chlorotoluene	ND	9.49		µg/Kg-dry	1	4/26/2012 4:37:00 PM
4-Isopropyltoluene	ND	9.49		µg/Kg-dry	1	4/26/2012 4:37:00 PM
4-Methyl-2-pentanone	ND	38.0		µg/Kg-dry	1	4/26/2012 4:37:00 PM
Acetone	ND	8,450	Q	µg/Kg-dry	50	4/30/2012 2:21:00 PM
Benzene	ND	845	Q	µg/Kg-dry	50	4/30/2012 2:21:00 PM
Bromobenzene	ND	9.49		µg/Kg-dry	1	4/26/2012 4:37:00 PM
Bromochloromethane	ND	845	Q	µg/Kg-dry	50	4/30/2012 2:21:00 PM
Bromodichloromethane	ND	845	Q	µg/Kg-dry	50	4/30/2012 2:21:00 PM
Bromoform	ND	9.49		µg/Kg-dry	1	4/26/2012 4:37:00 PM
Bromomethane	ND	845	Q	µg/Kg-dry	50	4/30/2012 2:21:00 PM
Carbon Disulfide	ND	845	Q	µg/Kg-dry	50	4/30/2012 2:21:00 PM
Carbon tetrachloride	ND	845	Q	µg/Kg-dry	50	4/30/2012 2:21:00 PM
Chlorobenzene	ND	9.49		µg/Kg-dry	1	4/26/2012 4:37:00 PM
Chloroethane	ND	845	Q	µg/Kg-dry	50	4/30/2012 2:21:00 PM
Chloroform	ND	845	Q	µg/Kg-dry	50	4/30/2012 2:21:00 PM
Chloromethane	ND	845	Q	µg/Kg-dry	50	4/30/2012 2:21:00 PM
cis-1,2-Dichloroethene	ND	845	Q	µg/Kg-dry	50	4/30/2012 2:21:00 PM
cis-1,3-Dichloropropene	ND	845	Q	µg/Kg-dry	50	4/30/2012 2:21:00 PM
Dibromochloromethane	ND	9.49		µg/Kg-dry	1	4/26/2012 4:37:00 PM
Dibromomethane	ND	845	Q	µg/Kg-dry	50	4/30/2012 2:21:00 PM
Dichlorodifluoromethane	ND	845	Q	µg/Kg-dry	50	4/30/2012 2:21:00 PM
Ethylbenzene	ND	9.49		µg/Kg-dry	1	4/26/2012 4:37:00 PM
Hexachlorobutadiene	ND	9.49		µg/Kg-dry	1	4/26/2012 4:37:00 PM
Isopropylbenzene	ND	9.49		µg/Kg-dry	1	4/26/2012 4:37:00 PM
m,p-Xylene	ND	19.0		µg/Kg-dry	1	4/26/2012 4:37:00 PM
Methyl tert-butyl ether	ND	845	Q	µg/Kg-dry	50	4/30/2012 2:21:00 PM
Methylene Chloride	ND	4,220	Q	µg/Kg-dry	50	4/30/2012 2:21:00 PM
Naphthalene	ND	9.49		µg/Kg-dry	1	4/26/2012 4:37:00 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03 T01
Lab ID: 1204207-009
Client Sample ID: GP13-S-4.0

Collection Date: 4/20/2012 8:15:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
n-Butylbenzene	ND	9.49		µg/Kg-dry	1	4/26/2012 4:37:00 PM
n-Propylbenzene	ND	9.49		µg/Kg-dry	1	4/26/2012 4:37:00 PM
o-Xylene	ND	9.49		µg/Kg-dry	1	4/26/2012 4:37:00 PM
sec-Butylbenzene	ND	9.49		µg/Kg-dry	1	4/26/2012 4:37:00 PM
Styrene	ND	9.49		µg/Kg-dry	1	4/26/2012 4:37:00 PM
tert-Butylbenzene	ND	9.49		µg/Kg-dry	1	4/26/2012 4:37:00 PM
Tetrachloroethene	ND	9.49		µg/Kg-dry	1	4/26/2012 4:37:00 PM
Toluene	ND	9.49		µg/Kg-dry	1	4/26/2012 4:37:00 PM
trans-1,2-Dichloroethene	ND	845	Q	µg/Kg-dry	50	4/30/2012 2:21:00 PM
trans-1,3-Dichloropropene	ND	9.49		µg/Kg-dry	1	4/26/2012 4:37:00 PM
Trichloroethene	ND	845	Q	µg/Kg-dry	50	4/30/2012 2:21:00 PM
Trichlorofluoromethane	ND	845	Q	µg/Kg-dry	50	4/30/2012 2:21:00 PM
Vinyl Chloride	ND	845	Q	µg/Kg-dry	50	4/30/2012 2:21:00 PM
Surr: 1,2-Dichloroethane-d4	107	71.5-112		%REC	1	4/26/2012 4:37:00 PM
Surr: 4-Bromofluorobenzene	97.8	75.7-122		%REC	1	4/26/2012 4:37:00 PM
Surr: Dibromofluoromethane	93.7	64.3-124		%REC	50	4/30/2012 2:21:00 PM
Surr: Toluene-d8	88.1	74.9-120		%REC	1	4/26/2012 4:37:00 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03 T01
Lab ID: 1204207-010
Client Sample ID: GP13-S-13.0

Collection Date: 4/20/2012 8:30:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID		Analyst: kbh		
Gasoline	ND	26.1		mg/Kg-dry	1	4/24/2012 8:09:00 AM
Mineral Spirits	ND	26.1		mg/Kg-dry	1	4/24/2012 8:09:00 AM
Kerosene	ND	65.1		mg/Kg-dry	1	4/24/2012 8:09:00 AM
Diesel	DIESEL	65.1		mg/Kg-dry	1	4/24/2012 8:09:00 AM
Lube Oil	OIL	130		mg/Kg-dry	1	4/24/2012 8:09:00 AM
Surr: BFB	86.1	50-150		%REC	1	4/24/2012 8:09:00 AM
Surr: o-Terphenyl	93.0	50-150		%REC	1	4/24/2012 8:09:00 AM
NWTPH-DX		NWTPH-DX		Analyst: kbh		
Diesel	ND	19.5		mg/Kg-dry	1	5/7/2012 7:43:00 PM
Lube Oil	139	65.1		mg/Kg-dry	1	5/7/2012 7:43:00 PM
Surr: o-Terphenyl	80.4	50-150		%REC	1	5/7/2012 7:43:00 PM
RCRA_8		SW6010C		Analyst: CT		
Arsenic	3.37	2.61		mg/Kg-dry	1	4/24/2012 8:26:43 PM
Barium	194	1.30		mg/Kg-dry	1	4/24/2012 8:26:43 PM
Cadmium	ND	0.130		mg/Kg-dry	1	4/24/2012 8:26:43 PM
Chromium	16.5	0.651		mg/Kg-dry	1	4/24/2012 8:26:43 PM
Lead	17.2	2.61		mg/Kg-dry	1	4/24/2012 8:26:43 PM
Selenium	ND	2.61		mg/Kg-dry	1	4/24/2012 8:26:43 PM
Silver	ND	2.61		mg/Kg-dry	1	4/25/2012 12:16:46 PM
RCRA_8		SW 7471B		Analyst: CT		
Mercury	0.0586	0.0204		mg/Kg-dry	1	4/26/2012 3:01:40 PM
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B		Analyst: ajr		
1,1,1,2-Tetrachloroethane	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
1,1,1-Trichloroethane	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
1,1,2,2-Tetrachloroethane	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
1,1,2-Trichloroethane	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
1,1-Dichloroethane	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
1,1-Dichloroethene	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
1,1-Dichloropropene	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
1,2,3-Trichlorobenzene	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
1,2,3-Trichloropropane	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
1,2,4-Trichlorobenzene	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
1,2,4-Trimethylbenzene	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
1,2-Dibromo-3-chloropropane	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
1,2-Dibromoethane	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03 T01
Lab ID: 1204207-010
Client Sample ID: GP13-S-13.0

Collection Date: 4/20/2012 8:30:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
1,2-Dichlorobenzene	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
1,2-Dichloroethane	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
1,2-Dichloropropane	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
1,3,5-Trimethylbenzene	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
1,3-Dichlorobenzene	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
1,3-Dichloropropane	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
1,4-Dichlorobenzene	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
2,2-Dichloropropane	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
2-Butanone	ND	38.7		µg/Kg-dry	1	4/30/2012 2:47:00 PM
2-Chlorotoluene	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
2-Hexanone	ND	19.4		µg/Kg-dry	1	4/30/2012 2:47:00 PM
4-Chlorotoluene	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
4-Isopropyltoluene	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
4-Methyl-2-pentanone	ND	38.7		µg/Kg-dry	1	4/30/2012 2:47:00 PM
Acetone	ND	96.9		µg/Kg-dry	1	4/30/2012 2:47:00 PM
Benzene	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
Bromobenzene	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
Bromochloromethane	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
Bromodichloromethane	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
Bromoform	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
Bromomethane	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
Carbon Disulfide	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
Carbon tetrachloride	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
Chlorobenzene	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
Chloroethane	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
Chloroform	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
Chloromethane	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
cis-1,2-Dichloroethene	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
cis-1,3-Dichloropropene	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
Dibromochloromethane	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
Dibromomethane	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
Dichlorodifluoromethane	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
Ethylbenzene	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
Hexachlorobutadiene	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
Isopropylbenzene	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
m,p-Xylene	ND	19.4		µg/Kg-dry	1	4/30/2012 2:47:00 PM
Methyl tert-butyl ether	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
Methylene Chloride	ND	48.4		µg/Kg-dry	1	4/30/2012 2:47:00 PM
Naphthalene	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03 T01
Lab ID: 1204207-010
Client Sample ID: GP13-S-13.0

Collection Date: 4/20/2012 8:30:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
n-Butylbenzene	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
n-Propylbenzene	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
o-Xylene	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
sec-Butylbenzene	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
Styrene	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
tert-Butylbenzene	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
Tetrachloroethene	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
Toluene	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
trans-1,2-Dichloroethene	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
trans-1,3-Dichloropropene	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
Trichloroethene	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
Trichlorofluoromethane	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
Vinyl Chloride	ND	9.69		µg/Kg-dry	1	4/30/2012 2:47:00 PM
Surr: 1,2-Dichloroethane-d4	120	71.5-112	S	%REC	1	4/30/2012 2:47:00 PM
Surr: 4-Bromofluorobenzene	109	75.7-122		%REC	1	4/30/2012 2:47:00 PM
Surr: Dibromofluoromethane	121	64.3-124		%REC	1	4/30/2012 2:47:00 PM
Surr: Toluene-d8	116	74.9-120		%REC	1	4/30/2012 2:47:00 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03 T01
Lab ID: 1204207-011
Client Sample ID: GP04-S-4.0

Collection Date: 4/20/2012 5:15:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID		Analyst: kbh		
Gasoline	ND	27.2		mg/Kg-dry	1	4/24/2012 8:09:00 AM
Mineral Spirits	ND	27.2		mg/Kg-dry	1	4/24/2012 8:09:00 AM
Kerosene	ND	67.9		mg/Kg-dry	1	4/24/2012 8:09:00 AM
Diesel	ND	67.9		mg/Kg-dry	1	4/24/2012 8:09:00 AM
Lube Oil	ND	136		mg/Kg-dry	1	4/24/2012 8:09:00 AM
Surr: BFB	77.2	50-150		%REC	1	4/24/2012 8:09:00 AM
Surr: o-Terphenyl	77.7	50-150		%REC	1	4/24/2012 8:09:00 AM
RCRA_8		SW6010C		Analyst: CT		
Arsenic	6.49	2.61		mg/Kg-dry	1	4/24/2012 9:35:33 PM
Barium	321	1.31		mg/Kg-dry	1	4/24/2012 9:35:33 PM
Cadmium	ND	0.131		mg/Kg-dry	1	4/24/2012 9:35:33 PM
Chromium	21.4	0.653		mg/Kg-dry	1	4/24/2012 9:35:33 PM
Lead	3.27	2.61		mg/Kg-dry	1	4/24/2012 9:35:33 PM
Selenium	ND	2.61		mg/Kg-dry	1	4/24/2012 9:35:33 PM
Silver	ND	2.61		mg/Kg-dry	1	4/25/2012 1:44:15 PM
RCRA_8		SW 7471B		Analyst: CT		
Mercury	0.0314	0.0227		mg/Kg-dry	1	4/26/2012 3:01:40 PM
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B		Analyst: ajr		
1,1,1,2-Tetrachloroethane	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
1,1,1-Trichloroethane	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
1,1,2,2-Tetrachloroethane	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
1,1,2-Trichloroethane	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
1,1-Dichloroethane	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
1,1-Dichloroethene	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
1,1-Dichloropropene	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
1,2,3-Trichlorobenzene	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
1,2,3-Trichloropropane	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
1,2,4-Trichlorobenzene	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
1,2,4-Trimethylbenzene	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
1,2-Dibromo-3-chloropropane	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
1,2-Dibromoethane	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
1,2-Dichlorobenzene	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
1,2-Dichloroethane	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
1,2-Dichloropropane	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
1,3,5-Trimethylbenzene	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
1,3-Dichlorobenzene	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03 T01
Lab ID: 1204207-011
Client Sample ID: GP04-S-4.0

Collection Date: 4/20/2012 5:15:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
1,3-Dichloropropane	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
1,4-Dichlorobenzene	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
2,2-Dichloropropane	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
2-Butanone	ND	41.2		µg/Kg-dry	1	4/26/2012 5:31:00 PM
2-Chlorotoluene	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
2-Hexanone	ND	20.6		µg/Kg-dry	1	4/26/2012 5:31:00 PM
4-Chlorotoluene	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
4-Isopropyltoluene	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
4-Methyl-2-pentanone	ND	41.2		µg/Kg-dry	1	4/26/2012 5:31:00 PM
Acetone	ND	103		µg/Kg-dry	1	4/26/2012 5:31:00 PM
Benzene	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
Bromobenzene	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
Bromochloromethane	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
Bromodichloromethane	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
Bromoform	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
Bromomethane	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
Carbon Disulfide	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
Carbon tetrachloride	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
Chlorobenzene	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
Chloroethane	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
Chloroform	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
Chloromethane	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
cis-1,2-Dichloroethene	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
cis-1,3-Dichloropropene	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
Dibromochloromethane	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
Dibromomethane	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
Dichlorodifluoromethane	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
Ethylbenzene	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
Hexachlorobutadiene	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
Isopropylbenzene	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
m,p-Xylene	ND	20.6		µg/Kg-dry	1	4/26/2012 5:31:00 PM
Methyl tert-butyl ether	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
Methylene Chloride	ND	51.5		µg/Kg-dry	1	4/26/2012 5:31:00 PM
Naphthalene	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
n-Butylbenzene	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
n-Propylbenzene	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
o-Xylene	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
sec-Butylbenzene	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
Styrene	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03 T01
Lab ID: 1204207-011
Client Sample ID: GP04-S-4.0

Collection Date: 4/20/2012 5:15:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
tert-Butylbenzene	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
Tetrachloroethene	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
Toluene	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
trans-1,2-Dichloroethene	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
trans-1,3-Dichloropropene	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
Trichloroethene	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
Trichlorofluoromethane	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
Vinyl Chloride	ND	10.3		µg/Kg-dry	1	4/26/2012 5:31:00 PM
Surr: 1,2-Dichloroethane-d4	132	71.5-112	S	%REC	1	4/26/2012 5:31:00 PM
Surr: 4-Bromofluorobenzene	118	75.7-122		%REC	1	4/26/2012 5:31:00 PM
Surr: Dibromofluoromethane	165	64.3-124	S	%REC	1	4/26/2012 5:31:00 PM
Surr: Toluene-d8	117	74.9-120		%REC	1	4/26/2012 5:31:00 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03 T01
Lab ID: 1204207-012
Client Sample ID: GP05-S-5.0

Collection Date: 4/20/2012 5:30:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID		Analyst: kbh		
Gasoline	ND	26.8		mg/Kg-dry	1	4/24/2012 8:09:00 AM
Mineral Spirits	ND	26.8		mg/Kg-dry	1	4/24/2012 8:09:00 AM
Kerosene	ND	67.0		mg/Kg-dry	1	4/24/2012 8:09:00 AM
Diesel	ND	67.0		mg/Kg-dry	1	4/24/2012 8:09:00 AM
Lube Oil	ND	134		mg/Kg-dry	1	4/24/2012 8:09:00 AM
Surr: BFB	90.8	50-150		%REC	1	4/24/2012 8:09:00 AM
Surr: o-Terphenyl	90.1	50-150		%REC	1	4/24/2012 8:09:00 AM
RCRA_8		SW6010C		Analyst: CT		
Arsenic	5.36	2.48		mg/Kg-dry	1	4/24/2012 9:40:05 PM
Barium	239	1.24		mg/Kg-dry	1	4/24/2012 9:40:05 PM
Cadmium	ND	0.124		mg/Kg-dry	1	4/24/2012 9:40:05 PM
Chromium	21.0	0.620		mg/Kg-dry	1	4/24/2012 9:40:05 PM
Lead	5.48	2.48		mg/Kg-dry	1	4/24/2012 9:40:05 PM
Selenium	ND	2.48		mg/Kg-dry	1	4/24/2012 9:40:05 PM
Silver	ND	2.48		mg/Kg-dry	1	4/25/2012 1:49:00 PM
RCRA_8		SW 7471B		Analyst: CT		
Mercury	0.0281	0.0210		mg/Kg-dry	1	4/26/2012 3:01:40 PM
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B		Analyst: ajr		
1,1,1,2-Tetrachloroethane	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
1,1,1-Trichloroethane	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
1,1,2,2-Tetrachloroethane	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
1,1,2-Trichloroethane	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
1,1-Dichloroethane	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
1,1-Dichloroethene	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
1,1-Dichloropropene	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
1,2,3-Trichlorobenzene	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
1,2,3-Trichloropropane	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
1,2,4-Trichlorobenzene	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
1,2,4-Trimethylbenzene	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
1,2-Dibromo-3-chloropropane	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
1,2-Dibromoethane	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
1,2-Dichlorobenzene	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
1,2-Dichloroethane	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
1,2-Dichloropropane	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
1,3,5-Trimethylbenzene	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
1,3-Dichlorobenzene	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03 T01
Lab ID: 1204207-012
Client Sample ID: GP05-S-5.0

Collection Date: 4/20/2012 5:30:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
1,3-Dichloropropane	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
1,4-Dichlorobenzene	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
2,2-Dichloropropane	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
2-Butanone	ND	40.6		µg/Kg-dry	1	4/30/2012 3:14:00 PM
2-Chlorotoluene	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
2-Hexanone	ND	20.3		µg/Kg-dry	1	4/30/2012 3:14:00 PM
4-Chlorotoluene	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
4-Isopropyltoluene	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
4-Methyl-2-pentanone	ND	40.6		µg/Kg-dry	1	4/30/2012 3:14:00 PM
Acetone	152	101		µg/Kg-dry	1	4/30/2012 3:14:00 PM
Benzene	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
Bromobenzene	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
Bromochloromethane	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
Bromodichloromethane	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
Bromoform	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
Bromomethane	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
Carbon Disulfide	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
Carbon tetrachloride	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
Chlorobenzene	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
Chloroethane	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
Chloroform	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
Chloromethane	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
cis-1,2-Dichloroethene	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
cis-1,3-Dichloropropene	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
Dibromochloromethane	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
Dibromomethane	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
Dichlorodifluoromethane	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
Ethylbenzene	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
Hexachlorobutadiene	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
Isopropylbenzene	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
m,p-Xylene	ND	20.3		µg/Kg-dry	1	4/30/2012 3:14:00 PM
Methyl tert-butyl ether	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
Methylene Chloride	ND	50.7		µg/Kg-dry	1	4/30/2012 3:14:00 PM
Naphthalene	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
n-Butylbenzene	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
n-Propylbenzene	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
o-Xylene	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
sec-Butylbenzene	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
Styrene	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03 T01
Lab ID: 1204207-012
Client Sample ID: GP05-S-5.0

Collection Date: 4/20/2012 5:30:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
tert-Butylbenzene	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
Tetrachloroethene	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
Toluene	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
trans-1,2-Dichloroethene	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
trans-1,3-Dichloropropene	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
Trichloroethene	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
Trichlorofluoromethane	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
Vinyl Chloride	ND	10.1		µg/Kg-dry	1	4/30/2012 3:14:00 PM
Surr: 1,2-Dichloroethane-d4	135	71.5-112	S	%REC	1	4/30/2012 3:14:00 PM
Surr: 4-Bromofluorobenzene	118	75.7-122		%REC	1	4/30/2012 3:14:00 PM
Surr: Dibromofluoromethane	134	64.3-124	S	%REC	1	4/30/2012 3:14:00 PM
Surr: Toluene-d8	127	74.9-120	S	%REC	1	4/30/2012 3:14:00 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03 T01
Lab ID: 1204207-013
Client Sample ID: GP08-S-12.0

Collection Date: 4/20/2012 11:45:00 AM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST		PER CLIENT				Analyst: knb
Hold	Hold	0			1	5/10/2012 4:20:47 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03 T01
Lab ID: 1204207-014
Client Sample ID: GP03-S-4.0

Collection Date: 4/20/2012 5:00:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID		Analyst: kbh		
Gasoline	ND	27.3		mg/Kg-dry	1	4/24/2012 8:09:00 AM
Mineral Spirits	ND	27.3		mg/Kg-dry	1	4/24/2012 8:09:00 AM
Kerosene	ND	68.1		mg/Kg-dry	1	4/24/2012 8:09:00 AM
Diesel	ND	68.1		mg/Kg-dry	1	4/24/2012 8:09:00 AM
Lube Oil	ND	136		mg/Kg-dry	1	4/24/2012 8:09:00 AM
Surr: BFB	86.8	50-150		%REC	1	4/24/2012 8:09:00 AM
Surr: o-Terphenyl	85.1	50-150		%REC	1	4/24/2012 8:09:00 AM
RCRA_8		SW6010C		Analyst: CT		
Arsenic	6.92	2.43		mg/Kg-dry	1	4/24/2012 9:44:38 PM
Barium	266	1.22		mg/Kg-dry	1	4/24/2012 9:44:38 PM
Cadmium	ND	0.122		mg/Kg-dry	1	4/24/2012 9:44:38 PM
Chromium	21.0	0.608		mg/Kg-dry	1	4/24/2012 9:44:38 PM
Lead	3.53	2.43		mg/Kg-dry	1	4/24/2012 9:44:38 PM
Selenium	ND	2.43		mg/Kg-dry	1	4/24/2012 9:44:38 PM
Silver	ND	2.43		mg/Kg-dry	1	4/25/2012 1:53:30 PM
RCRA_8		SW 7471B		Analyst: CT		
Mercury	0.0494	0.0220		mg/Kg-dry	1	4/26/2012 3:01:40 PM
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B		Analyst: ajr		
1,1,1,2-Tetrachloroethane	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
1,1,1-Trichloroethane	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
1,1,2,2-Tetrachloroethane	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
1,1,2-Trichloroethane	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
1,1-Dichloroethane	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
1,1-Dichloroethene	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
1,1-Dichloropropene	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
1,2,3-Trichlorobenzene	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
1,2,3-Trichloropropane	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
1,2,4-Trichlorobenzene	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
1,2,4-Trimethylbenzene	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
1,2-Dibromo-3-chloropropane	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
1,2-Dibromoethane	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
1,2-Dichlorobenzene	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
1,2-Dichloroethane	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
1,2-Dichloropropane	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
1,3,5-Trimethylbenzene	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
1,3-Dichlorobenzene	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03 T01
Lab ID: 1204207-014
Client Sample ID: GP03-S-4.0

Collection Date: 4/20/2012 5:00:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
1,3-Dichloropropane	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
1,4-Dichlorobenzene	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
2,2-Dichloropropane	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
2-Butanone	ND	40.7		µg/Kg-dry	1	4/30/2012 3:41:00 PM
2-Chlorotoluene	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
2-Hexanone	ND	20.3		µg/Kg-dry	1	4/30/2012 3:41:00 PM
4-Chlorotoluene	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
4-Isopropyltoluene	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
4-Methyl-2-pentanone	ND	40.7		µg/Kg-dry	1	4/30/2012 3:41:00 PM
Acetone	ND	102		µg/Kg-dry	1	4/30/2012 3:41:00 PM
Benzene	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
Bromobenzene	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
Bromochloromethane	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
Bromodichloromethane	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
Bromoform	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
Bromomethane	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
Carbon Disulfide	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
Carbon tetrachloride	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
Chlorobenzene	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
Chloroethane	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
Chloroform	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
Chloromethane	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
cis-1,2-Dichloroethene	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
cis-1,3-Dichloropropene	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
Dibromochloromethane	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
Dibromomethane	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
Dichlorodifluoromethane	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
Ethylbenzene	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
Hexachlorobutadiene	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
Isopropylbenzene	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
m,p-Xylene	ND	20.3		µg/Kg-dry	1	4/30/2012 3:41:00 PM
Methyl tert-butyl ether	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
Methylene Chloride	ND	50.9		µg/Kg-dry	1	4/30/2012 3:41:00 PM
Naphthalene	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
n-Butylbenzene	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
n-Propylbenzene	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
o-Xylene	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
sec-Butylbenzene	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
Styrene	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM

Specialty Analytical

Date Reported: 16-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03 T01
Lab ID: 1204207-014
Client Sample ID: GP03-S-4.0

Collection Date: 4/20/2012 5:00:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
tert-Butylbenzene	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
Tetrachloroethene	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
Toluene	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
trans-1,2-Dichloroethene	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
trans-1,3-Dichloropropene	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
Trichloroethene	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
Trichlorofluoromethane	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
Vinyl Chloride	ND	10.2		µg/Kg-dry	1	4/30/2012 3:41:00 PM
Surr: 1,2-Dichloroethane-d4	146	71.5-112	S	%REC	1	4/30/2012 3:41:00 PM
Surr: 4-Bromofluorobenzene	123	75.7-122	S	%REC	1	4/30/2012 3:41:00 PM
Surr: Dibromofluoromethane	140	64.3-124	S	%REC	1	4/30/2012 3:41:00 PM
Surr: Toluene-d8	127	74.9-120	S	%REC	1	4/30/2012 3:41:00 PM

QC SUMMARY REPORT

WO#: 1204207

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03 T01

TestCode: 6010_S

Sample ID: ICV	SampType: ICV	TestCode: 6010_S		Units: mg/Kg	Prep Date:			RunNo: 3903			
Client ID: ICV	Batch ID: 2418	TestNo: SW6010C		SW3050B	Analysis Date: 4/24/2012			SeqNo: 52080			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	104	2.00	100.0	0	104	90	110				
Barium	52.5	1.00	50.00	0	105	90	110				
Cadmium	5.19	0.100	5.000	0	104	90	110				
Chromium	25.2	0.500	25.00	0	101	90	110				
Lead	102	2.00	100.0	0	102	90	110				
Selenium	104	2.00	100.0	0	104	90	110				
Silver	48.4	2.00	50.00	0	96.9	90	110				

Sample ID: MBLK-2418	SampType: MBLK	TestCode: 6010_S	Units: mg/Kg	Prep Date: 4/24/2012	RunNo: 3903						
Client ID: PBS	Batch ID: 2418	TestNo: SW6010C	SW3050B	Analysis Date: 4/24/2012	SeqNo: 52082						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	2.00									
Barium	ND	1.00									
Cadmium	ND	0.100									
Chromium	ND	0.500									
Lead	ND	2.00									
Selenium	ND	2.00									

Sample ID: LCS-2418	SampType: LCS	TestCode: 6010_S	Units: mg/Kg	Prep Date: 4/24/2012	RunNo: 3903						
Client ID: LCSS	Batch ID: 2418	TestNo: SW6010C	SW3050B	Analysis Date: 4/24/2012	SeqNo: 52083						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	86.0	2.00	100.0	0	86.0	85.1	107				
Barium	47.6	1.00	50.00	0	95.2	85.7	110				

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

WO#: 1204207

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03 T01

TestCode: 6010_S

Sample ID: LCS-2418	SampType: LCS	TestCode: 6010_S	Units: mg/Kg	Prep Date: 4/24/2012	RunNo: 3903						
Client ID: LCSS	Batch ID: 2418	TestNo: SW6010C	SW3050B	Analysis Date: 4/24/2012	SeqNo: 52083						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	4.65	0.100	5.000	0	93.0	87.2	109				
Chromium	21.6	0.500	25.00	0	86.6	84	113				
Lead	86.8	2.00	100.0	0	86.8	84.9	109				
Selenium	89.7	2.00	100.0	0	89.7	88.7	111				

Sample ID: 1204207-010ADUP	SampType: DUP	TestCode: 6010_S	Units: mg/Kg-dry	Prep Date: 4/24/2012	RunNo: 3903						
Client ID: GP13-S-13.0	Batch ID: 2418	TestNo: SW6010C	SW3050B	Analysis Date: 4/24/2012	SeqNo: 52086						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	2.61						3.375	200	20	
Barium	193	1.30						194.1	0.538	20	
Cadmium	ND	0.130						0	0	20	
Chromium	16.7	0.651						16.50	1.18	20	
Lead	17.9	2.61						17.17	4.38	20	
Selenium	ND	2.61						0	0	20	

Sample ID: 1204207-010AMS	SampType: MS	TestCode: 6010_S	Units: mg/Kg-dry	Prep Date: 4/24/2012	RunNo: 3903						
Client ID: GP13-S-13.0	Batch ID: 2418	TestNo: SW6010C	SW3050B	Analysis Date: 4/24/2012	SeqNo: 52087						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	122	2.61	130.3	3.375	90.9	86.1	109				
Barium	248	1.30	65.15	194.1	83.2	75	125				
Cadmium	6.29	0.130	6.515	0	96.6	86.4	113				
Chromium	47.9	0.651	32.57	16.50	96.4	75	121				
Lead	137	2.61	130.3	17.17	92.1	84.9	109				

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

WO#: 1204207

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03 T01

TestCode: 6010_S

Sample ID: 1204207-010AMS	SampType: MS	TestCode: 6010_S	Units: mg/Kg-dry	Prep Date: 4/24/2012	RunNo: 3903						
Client ID: GP13-S-13.0	Batch ID: 2418	TestNo: SW6010C	SW3050B	Analysis Date: 4/24/2012	SeqNo: 52087						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Selenium	121	2.61	130.3	0	92.7	77.7	116				

Sample ID: 1204207-010AMSD		SampType: MSD		TestCode: 6010_S		Units: mg/Kg-dry		Prep Date: 4/24/2012		RunNo: 3903			
Client ID: GP13-S-13.0		Batch ID: 2418		TestNo: SW6010C		SW3050B		Analysis Date: 4/24/2012		SeqNo: 52088			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	125	2.61	130.3	3.375	93.0	86.1	109	121.8	2.29	20	
Barium	258	1.30	65.15	194.1	97.4	75	125	248.3	3.66	20	
Cadmium	6.46	0.130	6.515	0	99.2	86.4	113	6.293	2.66	20	
Chromium	49.2	0.651	32.57	16.50	100	75	121	47.88	2.68	20	
Lead	139	2.61	130.3	17.17	93.6	84.9	109	137.2	1.41	20	
Selenium	123	2.61	130.3	0	94.1	77.7	116	120.8	1.48	20	

Sample ID: ICV		SampType: ICV		TestCode: 6010_S		Units: mg/Kg		Prep Date:			RunNo: 3903		
Client ID: ICV		Batch ID: 2418		TestNo: SW6010C		SW3050B		Analysis Date: 4/25/2012			SeqNo: 52329		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Silver	53.3	2.00	50.00	0	107	90	110				

Sample ID: MBLK-2418		SampType: MBLK		TestCode: 6010_S		Units: mg/Kg		Prep Date:		RunNo: 3903			
Client ID: PBS		Batch ID: 2418		TestNo: SW6010C		SW3050B		Analysis Date: 4/25/2012		SeqNo: 52331			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Silver	ND	2.00									

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

QC SUMMARY REPORT

WO#: 1204207

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03 T01

TestCode: 6010_S

Sample ID: LCS-2418		SampType: LCS		TestCode: 6010_S		Units: mg/Kg		Prep Date: 4/24/2012			RunNo: 3903		
Client ID: LCSS		Batch ID: 2418		TestNo: SW6010C		SW3050B		Analysis Date: 4/25/2012			SeqNo: 52332		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Silver 52.4 2.00 50.00 0 105 79.3 109

Sample ID: 1204207-010ADUP		SampType: DUP		TestCode: 6010_S		Units: mg/Kg-dry		Prep Date: 4/24/2012		RunNo: 3903			
Client ID: GP13-S-13.0		Batch ID: 2418		TestNo: SW6010C		SW3050B		Analysis Date: 4/25/2012		SeqNo: 52337			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Silver ND 2.61 0 0 20

Sample ID: 1204207-010AMS	SampType: MS	TestCode: 6010_S	Units: mg/Kg-dry	Prep Date: 4/24/2012	RunNo: 3903						
Client ID: GP13-S-13.0	Batch ID: 2418	TestNo: SW6010C	SW3050B	Analysis Date: 4/25/2012	SeqNo: 52338						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Silver 73.1 2.61 65.15 1.941 109 75 123

Sample ID: 1204207-010AMSD		SampType: MSD		TestCode: 6010_S		Units: mg/Kg-dry		Prep Date: 4/24/2012			RunNo: 3903		
Client ID: GP13-S-13.0		Batch ID: 2418		TestNo: SW6010C		SW3050B		Analysis Date: 4/25/2012			SeqNo: 52339		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Silver 69.6 2.61 65.15 1.941 104 75 123 73.08 4.82 20

Sample ID: CCV	SampType: CCV	TestCode: 6010_S	Units: mg/Kg	Prep Date:	RunNo: 3903						
Client ID: CCV	Batch ID: 2418	TestNo: SW6010C	SW3050B	Analysis Date: 4/25/2012	SeqNo: 52354						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Silver 50.7 2.00 50.00 0 101 90 110

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

WO#: 1204207

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03 T01

TestCode: 8260_5035

Sample ID: CCV-2489		SampType: CCV		TestCode: 8260_5035		Units: µg/Kg-dry		Prep Date:		RunNo: 4026			
Client ID: CCV		Batch ID: 2489		TestNo: SW8260B		SW5035A		Analysis Date: 4/26/2012		SeqNo: 53974			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1-Dichloroethene	54.0	10.0	60.00	0	90.0	80	120				
1,2-Dichloropropane	64.3	10.0	60.00	0	107	80	120				
Chloroform	49.0	10.0	60.00	0	81.7	80	120				
Ethylbenzene	66.8	10.0	60.00	0	111	80	120				
Trichloroethene	64.2	10.0	60.00	0	107	80	120				
Vinyl Chloride	55.9	10.0	60.00	0	93.1	80	120				

Sample ID: LCS-2489	SampType: LCS	TestCode: 8260_5035	Units: µg/Kg-dry	Prep Date: 4/26/2012	RunNo: 4026						
Client ID: LCSS	Batch ID: 2489	TestNo: SW8260B	SW5035A	Analysis Date: 4/26/2012	SeqNo: 53975						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1-Dichloroethene	62.4	10.0	60.00	0	104	80	120				
Benzene	47.8	10.0	60.00	0	79.7	80	120				SO
Chlorobenzene	65.2	10.0	60.00	0	109	80	120				
Toluene	65.6	10.0	60.00	0	109	80	120				
Trichloroethene	64.5	10.0	60.00	0	107	80	120				

Sample ID: MBLK-2489		SampType: CCB		TestCode: 8260_5035		Units: µg/Kg-dry		Prep Date:		RunNo: 4026			
Client ID: CCB		Batch ID: 2489		TestNo: SW8260B		SW5035A		Analysis Date: 4/26/2012		SeqNo: 53977			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1,1,2-Tetrachloroethane	ND	10.0									
1,1,1-Trichloroethane	ND	10.0									
1,1,2,2-Tetrachloroethane	ND	10.0									
1,1,2-Trichloroethane	ND	10.0									

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

QC SUMMARY REPORT

WO#: 1204207

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03 T01

TestCode: 8260_5035

Sample ID: MBLK-2489	SampType: CCB	TestCode: 8260_5035	Units: µg/Kg-dry	Prep Date:				RunNo: 4026			
Client ID: CCB	Batch ID: 2489	TestNo: SW8260B	SW5035A	Analysis Date: 4/26/2012				SeqNo: 53977			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	ND	10.0									
1,1-Dichloroethene	ND	10.0									
1,1-Dichloropropene	ND	10.0									
1,2,3-Trichlorobenzene	ND	10.0									
1,2,3-Trichloropropane	ND	10.0									
1,2,4-Trichlorobenzene	ND	10.0									
1,2,4-Trimethylbenzene	ND	10.0									
1,2-Dibromo-3-chloropropane	ND	10.0									
1,2-Dibromoethane	ND	10.0									
1,2-Dichlorobenzene	ND	10.0									
1,2-Dichloroethane	ND	10.0									
1,2-Dichloropropane	ND	10.0									
1,3,5-Trimethylbenzene	ND	10.0									
1,3-Dichlorobenzene	ND	10.0									
1,3-Dichloropropane	ND	10.0									
1,4-Dichlorobenzene	ND	10.0									
2,2-Dichloropropane	ND	10.0									
2-Butanone	ND	40.0									
2-Chlorotoluene	ND	10.0									
2-Hexanone	ND	20.0									
4-Chlorotoluene	ND	10.0									
4-Isopropyltoluene	ND	10.0									
4-Methyl-2-pentanone	ND	40.0									
Acetone	ND	100									
Benzene	ND	10.0									
Bromobenzene	ND	10.0									

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

QC SUMMARY REPORT

WO#: 1204207

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03 T01

TestCode: 8260_5035

Sample ID: MBLK-2489	SampType: CCB	TestCode: 8260_5035	Units: µg/Kg-dry	Prep Date:				RunNo: 4026			
Client ID: CCB	Batch ID: 2489	TestNo: SW8260B	SW5035A	Analysis Date: 4/26/2012				SeqNo: 53977			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromochloromethane	ND	10.0									
Bromodichloromethane	ND	10.0									
Bromoform	ND	10.0									
Bromomethane	ND	10.0									
Carbon Disulfide	ND	10.0									
Carbon tetrachloride	ND	10.0									
Chlorobenzene	ND	10.0									
Chloroethane	ND	10.0									
Chloroform	ND	10.0									
Chloromethane	ND	10.0									
cis-1,2-Dichloroethene	ND	10.0									
cis-1,3-Dichloropropene	ND	10.0									
Dibromochloromethane	ND	10.0									
Dibromomethane	ND	10.0									
Dichlorodifluoromethane	ND	10.0									
Ethylbenzene	ND	10.0									
Hexachlorobutadiene	ND	10.0									
Isopropylbenzene	ND	10.0									
m,p-Xylene	ND	20.0									
Methyl tert-butyl ether	ND	10.0									
Methylene Chloride	ND	50.0									
Naphthalene	ND	10.0									
n-Butylbenzene	ND	10.0									
n-Propylbenzene	ND	10.0									
o-Xylene	ND	10.0									
sec-Butylbenzene	ND	10.0									

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

QC SUMMARY REPORT

WO#: 1204207

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03 T01

TestCode: 8260_5035

Sample ID: MBLK-2489	SampType: CCB	TestCode: 8260_5035	Units: µg/Kg-dry	Prep Date:				RunNo: 4026			
Client ID: CCB	Batch ID: 2489	TestNo: SW8260B	SW5035A	Analysis Date: 4/26/2012				SeqNo: 53977			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Styrene	ND	10.0									
tert-Butylbenzene	ND	10.0									
Tetrachloroethene	ND	10.0									
Toluene	ND	10.0									
trans-1,2-Dichloroethene	ND	10.0									
trans-1,3-Dichloropropene	ND	10.0									
Trichloroethene	ND	10.0									
Trichlorofluoromethane	ND	10.0									
Vinyl Chloride	ND	10.0									
Surr: 1,2-Dichloroethane-d4	96.0		100.0		96.0	71.5	112				
Surr: 4-Bromofluorobenzene	92.4		100.0		92.4	75.7	122				
Surr: Dibromofluoromethane	106		100.0		106	64.3	124				
Surr: Toluene-d8	101		100.0		101	74.9	120				

Sample ID: LCSD-2489	SampType: LCSD	TestCode: 8260_5035	Units: µg/Kg-dry	Prep Date: 4/26/2012	RunNo: 4026						
Client ID: LCSS02	Batch ID: 2489	TestNo: SW8260B	SW5035A	Analysis Date: 4/26/2012	SeqNo: 53983						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	62.2	10.0	60.00	0	104	80	120	62.43	0.450	20	
Benzene	66.8	10.0	60.00	0	111	80	120	47.80	33.1	20	
Chlorobenzene	64.9	10.0	60.00	0	108	80	120	65.17	0.446	20	
Toluene	64.0	10.0	60.00	0	107	80	120	65.55	2.39	20	
Trichloroethene	63.8	10.0	60.00	0	106	80	120	64.49	0.997	20	

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

QC SUMMARY REPORT

WO#: 1204207

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03 T01

TestCode: 8260_5035

Sample ID: CCV	SampType: CCV	TestCode: 8260_5035	Units: µg/Kg	Prep Date:	RunNo: 4026						
Client ID: CCV	Batch ID: 2489	TestNo: SW8260B	SW5035A	Analysis Date: 4/30/2012	SeqNo: 54083						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	60.8	10.0	60.00	0	101	80	120				
1,2-Dichloropropane	67.9	10.0	60.00	0	113	80	120				
Chloroform	63.5	10.0	60.00	0	106	80	120				
Ethylbenzene	66.8	10.0	60.00	0	111	80	120				
Trichloroethene	63.4	10.0	60.00	0	106	80	120				
Vinyl Chloride	56.5	10.0	60.00	0	94.2	80	120				

Sample ID: CCB-2489	SampType: CCB	TestCode: 8260_5035		Units: µg/Kg	Prep Date:				RunNo: 4026		
Client ID: CCB	Batch ID: 2489	TestNo: SW8260B		SW5035A	Analysis Date: 4/30/2012				SeqNo: 56976		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	10.0									
1,1,1-Trichloroethane	ND	10.0									
1,1,2,2-Tetrachloroethane	ND	10.0									
1,1,2-Trichloroethane	ND	10.0									
1,1-Dichloroethane	ND	10.0									
1,1-Dichloroethene	ND	10.0									
1,1-Dichloropropene	ND	10.0									
1,2,3-Trichlorobenzene	ND	10.0									
1,2,3-Trichloropropane	ND	10.0									
1,2,4-Trichlorobenzene	ND	10.0									
1,2,4-Trimethylbenzene	ND	10.0									
1,2-Dibromo-3-chloropropane	ND	10.0									
1,2-Dibromoethane	ND	10.0									
1,2-Dichlorobenzene	ND	10.0									

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

Page 9 of 17

QC SUMMARY REPORT

WO#: 1204207

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03 T01

TestCode: 8260_5035

Sample ID: CCB-2489	SampType: CCB	TestCode: 8260_5035	Units: µg/Kg	Prep Date:				RunNo: 4026			
Client ID: CCB	Batch ID: 2489	TestNo: SW8260B	SW5035A	Analysis Date: 4/30/2012				SeqNo: 56976			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloroethane	ND	10.0									
1,2-Dichloropropane	ND	10.0									
1,3,5-Trimethylbenzene	ND	10.0									
1,3-Dichlorobenzene	ND	10.0									
1,3-Dichloropropane	ND	10.0									
1,4-Dichlorobenzene	ND	10.0									
2,2-Dichloropropane	ND	10.0									
2-Butanone	ND	40.0									
2-Chlorotoluene	ND	10.0									
2-Hexanone	ND	20.0									
4-Chlorotoluene	ND	10.0									
4-Isopropyltoluene	ND	10.0									
4-Methyl-2-pentanone	ND	40.0									
Acetone	ND	100									
Benzene	ND	10.0									
Bromobenzene	ND	10.0									
Bromochloromethane	ND	10.0									
Bromodichloromethane	ND	10.0									
Bromoform	ND	10.0									
Bromomethane	ND	10.0									
Carbon Disulfide	ND	10.0									
Carbon tetrachloride	ND	10.0									
Chlorobenzene	ND	10.0									
Chloroethane	ND	10.0									
Chloroform	ND	10.0									
Chloromethane	ND	10.0									

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

Page 10 of 17

QC SUMMARY REPORT

WO#: 1204207

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03 T01

TestCode: 8260_5035

Sample ID: CCB-2489	SampType: CCB	TestCode: 8260_5035	Units: µg/Kg	Prep Date:	RunNo: 4026						
Client ID: CCB	Batch ID: 2489	TestNo: SW8260B	SW5035A	Analysis Date: 4/30/2012	SeqNo: 56976						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,2-Dichloroethene	ND	10.0									
cis-1,3-Dichloropropene	ND	10.0									
Dibromochloromethane	ND	10.0									
Dibromomethane	ND	10.0									
Dichlorodifluoromethane	ND	10.0									
Ethylbenzene	ND	10.0									
Hexachlorobutadiene	ND	10.0									
Isopropylbenzene	ND	10.0									
m,p-Xylene	ND	20.0									
Methyl tert-butyl ether	ND	10.0									
Methylene Chloride	ND	50.0									
Naphthalene	ND	10.0									
n-Butylbenzene	13.0	10.0									
n-Propylbenzene	ND	10.0									
o-Xylene	ND	10.0									
sec-Butylbenzene	ND	10.0									
Styrene	ND	10.0									
tert-Butylbenzene	ND	10.0									
Tetrachloroethene	ND	10.0									
Toluene	ND	10.0									
trans-1,2-Dichloroethene	ND	10.0									
trans-1,3-Dichloropropene	ND	10.0									
Trichloroethene	ND	10.0									
Trichlorofluoromethane	ND	10.0									
Vinyl Chloride	ND	10.0									
Surr: 1,2-Dichloroethane-d4	100		100.0		100	71.5	112				

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

QC SUMMARY REPORT

WO#: 1204207

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03 T01

TestCode: 8260_5035

Sample ID: CCB-2489	SampType: CCB	TestCode: 8260_5035	Units: µg/Kg	Prep Date:	RunNo: 4026						
Client ID: CCB	Batch ID: 2489	TestNo: SW8260B	SW5035A	Analysis Date: 4/30/2012	SeqNo: 56976						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	93.8		100.0		93.8	75.7	122				
Surr: Dibromofluoromethane	102		100.0		102	64.3	124				
Surr: Toluene-d8	100		100.0		100	74.9	120				

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

Page 12 of 17

QC SUMMARY REPORT

WO#: 1204207

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03 T01

TestCode: HCID_NW

Sample ID: MB-2420	SampType: MBLK	TestCode: HCID_NW	Units: mg/Kg	Prep Date: 4/24/2012	RunNo: 3901						
Client ID: PBS	Batch ID: 2420	TestNo: NWHCID		Analysis Date: 4/24/2012	SeqNo: 52104						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	20.0									
Mineral Spirits	ND	20.0									
Kerosene	ND	50.0									
Diesel	ND	50.0									
Lube Oil	ND	100									
Surr: BFB	94.5		100.0		94.5	50	150				
Surr: o-Terphenyl	92.8		100.0		92.8	50	150				

Sample ID: 1204207-005ADUP	SampType: DUP	TestCode: HCID_NW	Units: mg/Kg-dry	Prep Date: 4/24/2012	RunNo: 3901						
Client ID: GP09-S-14.0	Batch ID: 2420	TestNo: NWHCID		Analysis Date: 4/24/2012	SeqNo: 52114						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	25.6						0	0	20	
Mineral Spirits	ND	25.6						0	0	20	
Kerosene	ND	64.0						0	0	20	
Diesel	ND	64.0						0	0	20	
Lube Oil	ND	128						0	0	20	

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

Page 13 of 17

QC SUMMARY REPORT

WO#: 1204207

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03 T01

TestCode: HG_CTS

Sample ID: MB-2435	SampType: MBLK	TestCode: HG_CTS	Units: mg/Kg	Prep Date: 4/25/2012	RunNo: 3939
Client ID: PBS	Batch ID: 2435	TestNo: SW 7471B	SW 7471B	Analysis Date: 4/26/2012	SeqNo: 52658
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Mercury ND 0.0167

Sample ID: LCS-2435	SampType: LCS	TestCode: HG_CTS	Units: mg/Kg	Prep Date: 4/25/2012	RunNo: 3939
Client ID: LCSS	Batch ID: 2435	TestNo: SW 7471B	SW 7471B	Analysis Date: 4/26/2012	SeqNo: 52659
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Mercury 0.258 0.0167 0.2500 0 103 88.2 113

Sample ID: 1204207-002ADUP	SampType: DUP	TestCode: HG_CTS	Units: mg/Kg-dry	Prep Date: 4/25/2012	RunNo: 3939
Client ID: GP07-S-4.0	Batch ID: 2435	TestNo: SW 7471B	SW 7471B	Analysis Date: 4/26/2012	SeqNo: 52661
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Mercury 0.0214 0.0198 0.02178 1.87 20

Sample ID: 1204207-002AMS	SampType: MS	TestCode: HG_CTS	Units: mg/Kg-dry	Prep Date: 4/25/2012	RunNo: 3939
Client ID: GP07-S-4.0	Batch ID: 2435	TestNo: SW 7471B	SW 7471B	Analysis Date: 4/26/2012	SeqNo: 52662
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Mercury 0.350 0.0211 0.3156 0.02178 104 78.1 125

Sample ID: 1204207-002AMSD	SampType: MSD	TestCode: HG_CTS	Units: mg/Kg-dry	Prep Date: 4/25/2012	RunNo: 3939
Client ID: GP07-S-4.0	Batch ID: 2435	TestNo: SW 7471B	SW 7471B	Analysis Date: 4/26/2012	SeqNo: 52663
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Mercury 0.345 0.0211 0.3156 0.02178 102 78.1 125 0.3501 1.57 20

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 14 of 17
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

WO#: 1204207

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03 T01

TestCode: HG_CTS

Sample ID: CCV		SampType: CCV		TestCode: HG_CTS		Units: mg/Kg		Prep Date:			RunNo: 3939		
Client ID: CCV		Batch ID: 2435		TestNo: SW 7471B		SW 7471B		Analysis Date: 4/26/2012			SeqNo: 52673		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.264	0.0167	0.2500	0	106	90	110

Sample ID: CCV	SampType: CCV	TestCode: HG_CTS	Units: mg/Kg	Prep Date:	RunNo: 3939						
Client ID: CCV	Batch ID: 2435	TestNo: SW 7471B	SW 7471B	Analysis Date: 4/26/2012	SeqNo: 52674						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.255	0.0167	0.2500	0	102	90	110

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

Page 15 of 17

QC SUMMARY REPORT

WO#: 1204207

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03 T01

TestCode: NWTPHDX_S

Sample ID: CCV	SampType: CCV	TestCode: NWTPHDX_S	Units: mg/Kg	Prep Date:	RunNo: 4116						
Client ID: CCV	Batch ID: 2506	TestNo: NWTPH-Dx	SW3545A	Analysis Date: 5/7/2012	SeqNo: 55110						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel	1,350	15.0	1,363	0	99.3	85	115				
Lube Oil	679	50.0	672.0	0	101	85	115				

Sample ID: MB-2506		SampType: MBLK		TestCode: NWTPHDX_S		Units: mg/Kg		Prep Date: 5/3/2012		RunNo: 4116			
Client ID: PBS		Batch ID: 2506		TestNo: NWTPH-Dx		SW3545A		Analysis Date: 5/7/2012		SeqNo: 55111			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel	ND	15.0									
Lube Oil	ND	50.0									
Surr: o-Terphenyl	33.5		33.30		101	50	150				

Sample ID: LCS-2506		SampType: LCS		TestCode: NWTPHDX_S		Units: mg/Kg		Prep Date: 5/3/2012		RunNo: 4116			
Client ID: LCSS		Batch ID: 2506		TestNo: NWTPH-Dx		SW3545A		Analysis Date: 5/7/2012		SeqNo: 55112			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel	176	15.0	166.5	0	105	76.3	125				
Lube Oil	164	50.0	166.5	0	98.7	69.9	127				

Sample ID: 1204207-010ADUP	SampType: DUP	TestCode: NWTPHDX_S	Units: mg/Kg-dry	Prep Date: 5/3/2012	RunNo: 4116						
Client ID: GP13-S-13.0	Batch ID: 2506	TestNo: NWTPH-Dx	SW3545A	Analysis Date: 5/7/2012	SeqNo: 55116						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel	ND	19.5						0	0	20	
Lube Oil	167	65.1						139.5	17.9	20	

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 16 of 17
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

WO#: 1204207

16-May-12

Specialty Analytical

Client: Maul Foster & Alongi

Project: 32nd Street / 0564.01.03 T01

TestCode: NWTPHDX_S

Sample ID: CCV	SampType: CCV	TestCode: NWTPHDX_S	Units: mg/Kg	Prep Date:	RunNo: 4116						
Client ID: CCV	Batch ID: 2506	TestNo: NWTPH-Dx	SW3545A	Analysis Date: 5/7/2012	SeqNo: 55117						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	1,030	15.0	1,022	0	101	85	115				
Lube Oil	537	50.0	524.5	0	102	85	115				

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

Page 17 of 17

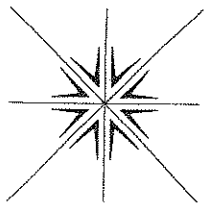
KEY TO FLAGS

Rev. May 12, 2010

- A This sample contains a Gasoline Range Organic not identified as a specific hydrocarbon product. The result was quantified against gasoline calibration standards
- A1 This sample contains a Diesel Range Organic not identified as a specific hydrocarbon product. The result was quantified against diesel calibration standards.
- A2 This sample contains a Lube Oil Range Organic not identified as a specific hydrocarbon product. The result was quantified against a lube oil calibration standard.
- A3 The result was determined to be Non-Detect based on hydrocarbon pattern recognition. The product was carry-over from another hydrocarbon type.
- A4 The product appears to be aged or degraded diesel.
- B The blank exhibited a positive result great than the reporting limit for this compound.
- CN See Case Narrative.
- D Result is based from a dilution.
- E Result exceeds the calibration range for this compound. The result should be considered as estimate.
- F The positive result for this hydrocarbon is due to single component contamination. The product does not match any hydrocarbon in the fuels library.
- G Result may be biased high due to biogenic interferences. Clean up is recommended.
- H Sample was analyzed outside recommended holding time.
- HT At clients request, samples was analyzed outside of recommended holding time.
- J The result for this analyte is between the MDL and the PQL and should be considered as estimated concentration.
- K Diesel result is biased high due to amount of Oil contained in the sample.
- L Diesel result is biased high due to amount of Gasoline contained in the sample.
- M Oil result is biased high due to amount of Diesel contained in the sample.
- MC Sample concentration is greater than 4x the spiked value, the spiked value is considered insignificant.
- MI Result is outside control limits due to matrix interference.
- MSA Value determined by Method of Standard Addition.
- O Laboratory Control Standard (LCS) exceeded laboratory control limits, but meets CCV criteria. Data meets EPA requirements.
- Q Detection levels elevated due to sample matrix.
- R RPD control limits were exceeded.
- RF Duplicate failed due to result being at or near the method-reporting limit.
- RP Matrix spike values exceed established QC limits; post digestion spike is in control.
- S Recovery is outside control limits.
- SC Closing CCV or LCS exceeded high recovery control limits, but associated samples are non-detect. Data meets EPA requirements.
- * The result for this parameter was greater than the maximum contaminant level of the TCLP regulatory limit.

CHAIN OF CUSTODY RECORD

Page 1 of 2



Specialty Analytical

11711 SE Capps Road
Clackamas, OR 97015
Phone: 503-607-1331
Fax: 503-607-1336

Contact Person/Project Manager GILBERTA JOHNSON / Justin Pounds
Company MFA
Address 400 EAST MILL PLAIN SUITE 400
VANCOUVER, WA 98660
Phone 360-694-2691 Fax 360-906-1958
Project No. 1564-0103701 Project Name 32ND STREET
Project Site Location OR WA Other _____
Invoice To same P.O. No. _____

Collected By:

Signature Lindsey Crosby

Printed LINDSEY CROSBY

Signature _____

Printed _____

Turn Around Time

☐ Normal 5-7 Business Days

☐ Rush _____

Specify

Rush Analyses Must Be Scheduled With The Lab In Advance

				No. of Containers	Analyses										For Laboratory Use					
Date	Time	Sample I.D.	Matrix		HCID	total PCBs & metals	VOCs (8260B)	*							Lab Job No.	Shipped Via	Air Bill No.	Temperature On Receipt _____ °C	Specialty Analytical Containers? Y / N	Specialty Analytical Trip Blanks? Y / N
4/20/12	1330	GP07-S-11.5	S	10	X	X									X	* Followup analyses				
	1315	GP07-S-4.0	S		X	X	X								X	may include PCBs				
	1000	GP09-S-25.0			X	X	X								X	(sim), VOCs, PCBs,				
	0930	GP09-S-3.0			X	X	X									* EPH				
	0945	GP09-S-14.0			X	X	X													
	1430	GP10-S-4.0			X	X	X								X					
	1500	GP10-S-8.5			X	X	X													
	1130	GP08-S-4.0			X	X	X													
	0815	GP13-S-4.0			X	X	X													
	0830	GP13-S-13.0			X	X	X													
	1715	GP04-S-4.0			X	X	X													
	1730	GP05-S-5.0			X	X	X													

Relinquished By: <u>[Signature]</u>	Date	Time	Received By: <u>[Signature]</u>	Relinquished By: <u>[Signature]</u>	Date	Time
Company: <u>NAUFORSTHAW</u>	<u>4/23/12</u>	<u>1135</u>	Company: <u>[Signature]</u>	Company: <u>[Signature]</u>	<u>4/23/12</u>	<u>1325</u>

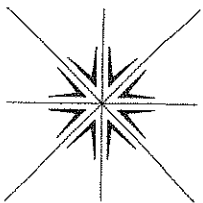
Unless Reclaimed, Samples Will Be Disposed of 60 Days After Receipt. Samples held beyond 60 days subject to storage fee(s)				Received For Lab By: <u>Nikki Bippes</u>	Date	Time
					<u>4/23/12</u>	<u>1325</u>

Copies: White-Original

Yellow-Project File

Pink-Customer Copy

~~Justin Pounds~~ Page 2 of 2



11711 SE Capps Road
Clackamas, OR 97015
Phone: 503-607-1331
Fax: 503-607-1336

Collected By:

Signature.

Printed

Signature.

Printed_

Turn Around Time

☐ Normal 5-7 Business Days☐ Rush

Specify

Rush Analyses Must Be Scheduled With The Lab In Advance

Contact Person/Project Manager

Company MFA

Address 400 MILL PLAIN BLVD SUITE 400

VANCOUVER WA 98660

Phone 800-1094-2691

Fax 3100 - 906 - 1958

Project No. 0564.01.02 Td Project Name 32nd Street

Project Site Location OR

WA

Other

Invoice To same

P.O. No.

For Laboratory Use

Lab Job No. 1204-207

Shipped Via Special

Air Bill No.

Temperature On Receipt _____ °C

Specialty Analytical Containers? Y / N

Specialty Analytical Trip Blanks? Y / N

Comments

Lab I.D.

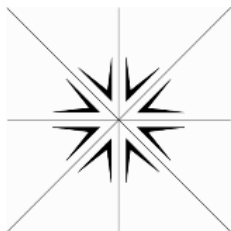
* Follow up analysis may include PAHs (Sim) VOCs, PCBs, and ~~SPH~~

[illegible]

Copies: White-Original

Yellow-Project File

Pink-Customer Copy



Specialty Analytical

11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

May 17, 2012

Christina Johnson
Maul Foster & Alongi
400 E. Mill Plain Blvd.
Suite 400
Vancouver, Washington 98660
TEL: (360) 694-2691
FAX: (360) 906-1958
RE: 32nd Street / 0564.01.03-01

Dear Christina Johnson:

Order No.: 1204262

Specialty Analytical received 4 sample(s) on 4/30/2012 for the analyses presented in the following report.

There were no problems with the analysis and all data for associated QC met EPA or laboratory specifications, except where noted in the Case Narrative, or as qualified with flags. Results apply only to the samples analyzed. Without approval of the laboratory, the reproduction of this report is only permitted in its entirety.

If you have any questions regarding these tests, please feel free to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Marty French". The signature is stylized with a cursive-like flow.

Marty French
Lab Director

Specialty Analytical

Date Reported: 17-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03-01
Lab ID: 1204262-001
Client Sample ID: GP07-S-0.0

Collection Date: 4/27/2012 1:30:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID		Analyst: kbh		
Gasoline	ND	22.2		mg/Kg-dry	1	4/30/2012 11:36:00 PM
Mineral Spirits	ND	22.2		mg/Kg-dry	1	4/30/2012 11:36:00 PM
Kerosene	ND	55.5		mg/Kg-dry	1	4/30/2012 11:36:00 PM
Diesel	ND	55.5		mg/Kg-dry	1	4/30/2012 11:36:00 PM
Lube Oil	ND	111		mg/Kg-dry	1	4/30/2012 11:36:00 PM
Surr: BFB	101	50-150		%REC	1	4/30/2012 11:36:00 PM
Surr: o-Terphenyl	103	50-150		%REC	1	4/30/2012 11:36:00 PM
RCRA_8		SW6010C		Analyst: CT		
Arsenic	2.39	2.14		mg/Kg-dry	1	5/1/2012 6:00:09 PM
Barium	130	1.07		mg/Kg-dry	1	5/1/2012 6:00:09 PM
Cadmium	0.267	0.107		mg/Kg-dry	1	5/1/2012 6:00:09 PM
Chromium	6.19	0.534		mg/Kg-dry	1	5/1/2012 6:00:09 PM
Lead	37.9	2.14		mg/Kg-dry	1	5/1/2012 6:00:09 PM
Selenium	ND	2.14		mg/Kg-dry	1	5/1/2012 6:00:09 PM
Silver	2.80	2.14		mg/Kg-dry	1	5/1/2012 6:00:09 PM
RCRA_8		SW 7471B		Analyst: eh		
Mercury	ND	0.0164		mg/Kg-dry	1	5/1/2012 2:54:23 PM
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B		Analyst: ajr		
1,1,1,2-Tetrachloroethane	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
1,1,1-Trichloroethane	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
1,1,2,2-Tetrachloroethane	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
1,1,2-Trichloroethane	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
1,1-Dichloroethane	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
1,1-Dichloroethene	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
1,1-Dichloropropene	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
1,2,3-Trichlorobenzene	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
1,2,3-Trichloropropane	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
1,2,4-Trichlorobenzene	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
1,2,4-Trimethylbenzene	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
1,2-Dibromo-3-chloropropane	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
1,2-Dibromoethane	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
1,2-Dichlorobenzene	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
1,2-Dichloroethane	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
1,2-Dichloropropane	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
1,3,5-Trimethylbenzene	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
1,3-Dichlorobenzene	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM

Specialty Analytical

Date Reported: 17-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03-01
Lab ID: 1204262-001
Client Sample ID: GP07-S-0.0

Collection Date: 4/27/2012 1:30:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
1,3-Dichloropropane	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
1,4-Dichlorobenzene	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
2,2-Dichloropropane	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
2-Butanone	ND	38.5		µg/Kg-dry	1	5/1/2012 8:30:00 PM
2-Chlorotoluene	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
2-Hexanone	ND	19.2		µg/Kg-dry	1	5/1/2012 8:30:00 PM
4-Chlorotoluene	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
4-Isopropyltoluene	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
4-Methyl-2-pentanone	ND	38.5		µg/Kg-dry	1	5/1/2012 8:30:00 PM
Acetone	ND	96.2		µg/Kg-dry	1	5/1/2012 8:30:00 PM
Benzene	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
Bromobenzene	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
Bromochloromethane	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
Bromodichloromethane	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
Bromoform	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
Bromomethane	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
Carbon Disulfide	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
Carbon tetrachloride	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
Chlorobenzene	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
Chloroethane	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
Chloroform	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
Chloromethane	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
cis-1,2-Dichloroethene	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
cis-1,3-Dichloropropene	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
Dibromochloromethane	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
Dibromomethane	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
Dichlorodifluoromethane	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
Ethylbenzene	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
Hexachlorobutadiene	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
Isopropylbenzene	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
m,p-Xylene	ND	19.2		µg/Kg-dry	1	5/1/2012 8:30:00 PM
Methyl tert-butyl ether	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
Methylene Chloride	ND	48.1		µg/Kg-dry	1	5/1/2012 8:30:00 PM
Naphthalene	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
n-Butylbenzene	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
n-Propylbenzene	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
o-Xylene	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
sec-Butylbenzene	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
Styrene	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM

Specialty Analytical

Date Reported: 17-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03-01
Lab ID: 1204262-001
Client Sample ID: GP07-S-0.0

Collection Date: 4/27/2012 1:30:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
tert-Butylbenzene	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
Tetrachloroethene	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
Toluene	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
trans-1,2-Dichloroethene	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
trans-1,3-Dichloropropene	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
Trichloroethene	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
Trichlorofluoromethane	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
Vinyl Chloride	ND	9.62		µg/Kg-dry	1	5/1/2012 8:30:00 PM
Surr: 1,2-Dichloroethane-d4	106	71.5-112		%REC	1	5/1/2012 8:30:00 PM
Surr: 4-Bromofluorobenzene	80.3	75.7-122		%REC	1	5/1/2012 8:30:00 PM
Surr: Dibromofluoromethane	93.6	64.3-124		%REC	1	5/1/2012 8:30:00 PM
Surr: Toluene-d8	91.1	74.9-120		%REC	1	5/1/2012 8:30:00 PM

Specialty Analytical

Date Reported: 17-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03-01
Lab ID: 1204262-002
Client Sample ID: GP08-S-0.0

Collection Date: 4/27/2012 1:00:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID		Analyst: kbh		
Gasoline	ND	22.9		mg/Kg-dry	1	4/30/2012 11:36:00 PM
Mineral Spirits	ND	22.9		mg/Kg-dry	1	4/30/2012 11:36:00 PM
Kerosene	ND	57.2		mg/Kg-dry	1	4/30/2012 11:36:00 PM
Diesel	ND	57.2		mg/Kg-dry	1	4/30/2012 11:36:00 PM
Lube Oil	ND	114		mg/Kg-dry	1	4/30/2012 11:36:00 PM
Surr: BFB	99.0	50-150		%REC	1	4/30/2012 11:36:00 PM
Surr: o-Terphenyl	101	50-150		%REC	1	4/30/2012 11:36:00 PM
RCRA_8		SW6010C		Analyst: CT		
Arsenic	12.6	2.04		mg/Kg-dry	1	5/1/2012 6:04:38 PM
Barium	198	1.02		mg/Kg-dry	1	5/1/2012 6:04:38 PM
Cadmium	0.225	0.102		mg/Kg-dry	1	5/1/2012 6:04:38 PM
Chromium	24.2	0.510		mg/Kg-dry	1	5/1/2012 6:04:38 PM
Lead	21.0	2.04		mg/Kg-dry	1	5/1/2012 6:04:38 PM
Selenium	ND	2.04		mg/Kg-dry	1	5/1/2012 6:04:38 PM
Silver	2.20	2.04		mg/Kg-dry	1	5/1/2012 6:04:38 PM
RCRA_8		SW 7471B		Analyst: eh		
Mercury	0.0754	0.0110		mg/Kg-dry	1	5/1/2012 2:54:23 PM
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B		Analyst: ajr		
1,1,1,2-Tetrachloroethane	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
1,1,1-Trichloroethane	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
1,1,2,2-Tetrachloroethane	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
1,1,2-Trichloroethane	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
1,1-Dichloroethane	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
1,1-Dichloroethene	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
1,1-Dichloropropene	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
1,2,3-Trichlorobenzene	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
1,2,3-Trichloropropane	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
1,2,4-Trichlorobenzene	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
1,2,4-Trimethylbenzene	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
1,2-Dibromo-3-chloropropane	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
1,2-Dibromoethane	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
1,2-Dichlorobenzene	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
1,2-Dichloroethane	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
1,2-Dichloropropane	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
1,3,5-Trimethylbenzene	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
1,3-Dichlorobenzene	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM

Specialty Analytical

Date Reported: 17-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03-01
Lab ID: 1204262-002
Client Sample ID: GP08-S-0.0

Collection Date: 4/27/2012 1:00:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
1,3-Dichloropropane	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
1,4-Dichlorobenzene	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
2,2-Dichloropropane	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
2-Butanone	ND	38.5		µg/Kg-dry	1	5/1/2012 8:57:00 PM
2-Chlorotoluene	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
2-Hexanone	ND	19.2		µg/Kg-dry	1	5/1/2012 8:57:00 PM
4-Chlorotoluene	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
4-Isopropyltoluene	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
4-Methyl-2-pentanone	ND	38.5		µg/Kg-dry	1	5/1/2012 8:57:00 PM
Acetone	ND	96.1		µg/Kg-dry	1	5/1/2012 8:57:00 PM
Benzene	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
Bromobenzene	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
Bromochloromethane	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
Bromodichloromethane	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
Bromoform	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
Bromomethane	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
Carbon Disulfide	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
Carbon tetrachloride	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
Chlorobenzene	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
Chloroethane	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
Chloroform	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
Chloromethane	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
cis-1,2-Dichloroethene	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
cis-1,3-Dichloropropene	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
Dibromochloromethane	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
Dibromomethane	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
Dichlorodifluoromethane	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
Ethylbenzene	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
Hexachlorobutadiene	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
Isopropylbenzene	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
m,p-Xylene	ND	19.2		µg/Kg-dry	1	5/1/2012 8:57:00 PM
Methyl tert-butyl ether	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
Methylene Chloride	ND	48.1		µg/Kg-dry	1	5/1/2012 8:57:00 PM
Naphthalene	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
n-Butylbenzene	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
n-Propylbenzene	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
o-Xylene	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
sec-Butylbenzene	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
Styrene	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM

Specialty Analytical

Date Reported: 17-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03-01
Lab ID: 1204262-002
Client Sample ID: GP08-S-0.0

Collection Date: 4/27/2012 1:00:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
tert-Butylbenzene	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
Tetrachloroethene	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
Toluene	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
trans-1,2-Dichloroethene	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
trans-1,3-Dichloropropene	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
Trichloroethene	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
Trichlorofluoromethane	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
Vinyl Chloride	ND	9.61		µg/Kg-dry	1	5/1/2012 8:57:00 PM
Surr: 1,2-Dichloroethane-d4	104	71.5-112		%REC	1	5/1/2012 8:57:00 PM
Surr: 4-Bromofluorobenzene	79.5	75.7-122		%REC	1	5/1/2012 8:57:00 PM
Surr: Dibromofluoromethane	93.2	64.3-124		%REC	1	5/1/2012 8:57:00 PM
Surr: Toluene-d8	90.2	74.9-120		%REC	1	5/1/2012 8:57:00 PM

Specialty Analytical

Date Reported: 17-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03-01
Lab ID: 1204262-003
Client Sample ID: GP10-S-0.0

Collection Date: 4/27/2012 2:00:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID		Analyst: kbh		
Gasoline	ND	24.2		mg/Kg-dry	1	4/30/2012 11:36:00 PM
Mineral Spirits	ND	24.2		mg/Kg-dry	1	4/30/2012 11:36:00 PM
Kerosene	ND	60.5		mg/Kg-dry	1	4/30/2012 11:36:00 PM
Diesel	ND	60.5		mg/Kg-dry	1	4/30/2012 11:36:00 PM
Lube Oil	ND	121		mg/Kg-dry	1	4/30/2012 11:36:00 PM
Surr: BFB	94.0	50-150		%REC	1	4/30/2012 11:36:00 PM
Surr: o-Terphenyl	96.2	50-150		%REC	1	4/30/2012 11:36:00 PM
RCRA_8		SW6010C		Analyst: CT		
Arsenic	ND	2.16		mg/Kg-dry	1	5/1/2012 5:42:20 PM
Barium	190	1.08		mg/Kg-dry	1	5/1/2012 5:42:20 PM
Cadmium	ND	0.108		mg/Kg-dry	1	5/1/2012 5:42:20 PM
Chromium	18.1	0.540		mg/Kg-dry	1	5/1/2012 5:42:20 PM
Lead	ND	2.16		mg/Kg-dry	1	5/1/2012 5:42:20 PM
Selenium	ND	2.16		mg/Kg-dry	1	5/1/2012 5:42:20 PM
Silver	2.16	2.16		mg/Kg-dry	1	5/1/2012 5:42:20 PM
RCRA_8		SW 7471B		Analyst: eh		
Mercury	0.0158	0.0121		mg/Kg-dry	1	5/1/2012 2:54:23 PM
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B		Analyst: ajr		
1,1,1,2-Tetrachloroethane	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
1,1,1-Trichloroethane	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
1,1,2,2-Tetrachloroethane	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
1,1,2-Trichloroethane	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
1,1-Dichloroethane	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
1,1-Dichloroethene	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
1,1-Dichloropropene	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
1,2,3-Trichlorobenzene	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
1,2,3-Trichloropropane	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
1,2,4-Trichlorobenzene	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
1,2,4-Trimethylbenzene	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
1,2-Dibromo-3-chloropropane	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
1,2-Dibromoethane	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
1,2-Dichlorobenzene	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
1,2-Dichloroethane	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
1,2-Dichloropropane	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
1,3,5-Trimethylbenzene	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
1,3-Dichlorobenzene	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM

Specialty Analytical

Date Reported: 17-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03-01
Lab ID: 1204262-003
Client Sample ID: GP10-S-0.0

Collection Date: 4/27/2012 2:00:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
1,3-Dichloropropane	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
1,4-Dichlorobenzene	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
2,2-Dichloropropane	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
2-Butanone	ND	44.6		µg/Kg-dry	1	5/1/2012 9:23:00 PM
2-Chlorotoluene	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
2-Hexanone	ND	22.3		µg/Kg-dry	1	5/1/2012 9:23:00 PM
4-Chlorotoluene	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
4-Isopropyltoluene	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
4-Methyl-2-pentanone	ND	44.6		µg/Kg-dry	1	5/1/2012 9:23:00 PM
Acetone	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
Benzene	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
Bromobenzene	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
Bromochloromethane	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
Bromodichloromethane	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
Bromoform	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
Bromomethane	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
Carbon Disulfide	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
Carbon tetrachloride	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
Chlorobenzene	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
Chloroethane	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
Chloroform	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
Chloromethane	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
cis-1,2-Dichloroethene	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
cis-1,3-Dichloropropene	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
Dibromochloromethane	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
Dibromomethane	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
Dichlorodifluoromethane	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
Ethylbenzene	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
Hexachlorobutadiene	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
Isopropylbenzene	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
m,p-Xylene	ND	22.3		µg/Kg-dry	1	5/1/2012 9:23:00 PM
Methyl tert-butyl ether	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
Methylene Chloride	ND	55.8		µg/Kg-dry	1	5/1/2012 9:23:00 PM
Naphthalene	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
n-Butylbenzene	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
n-Propylbenzene	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
o-Xylene	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
sec-Butylbenzene	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
Styrene	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM

Specialty Analytical

Date Reported: 17-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03-01
Lab ID: 1204262-003
Client Sample ID: GP10-S-0.0

Collection Date: 4/27/2012 2:00:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
tert-Butylbenzene	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
Tetrachloroethene	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
Toluene	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
trans-1,2-Dichloroethene	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
trans-1,3-Dichloropropene	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
Trichloroethene	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
Trichlorofluoromethane	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
Vinyl Chloride	ND	11.2		µg/Kg-dry	1	5/1/2012 9:23:00 PM
Surr: 1,2-Dichloroethane-d4	103	71.5-112		%REC	1	5/1/2012 9:23:00 PM
Surr: 4-Bromofluorobenzene	80.4	75.7-122		%REC	1	5/1/2012 9:23:00 PM
Surr: Dibromofluoromethane	93.4	64.3-124		%REC	1	5/1/2012 9:23:00 PM
Surr: Toluene-d8	91.3	74.9-120		%REC	1	5/1/2012 9:23:00 PM

Specialty Analytical

Date Reported: 17-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03-01
Lab ID: 1204262-004
Client Sample ID: GP14-S-0.0

Collection Date: 4/27/2012 2:30:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID				Analyst: kbh
Gasoline	ND	22.1		mg/Kg-dry	1	4/30/2012 11:36:00 PM
Mineral Spirits	ND	22.1		mg/Kg-dry	1	4/30/2012 11:36:00 PM
Kerosene	ND	55.2		mg/Kg-dry	1	4/30/2012 11:36:00 PM
Diesel	ND	55.2		mg/Kg-dry	1	4/30/2012 11:36:00 PM
Lube Oil	OIL	110		mg/Kg-dry	1	4/30/2012 11:36:00 PM
Surr: BFB	94.8	50-150		%REC	1	4/30/2012 11:36:00 PM
Surr: o-Terphenyl	97.7	50-150		%REC	1	4/30/2012 11:36:00 PM
RCRA_8		SW6010C				Analyst: CT
Arsenic	ND	1.97		mg/Kg-dry	1	5/1/2012 6:09:21 PM
Barium	75.5	0.986		mg/Kg-dry	1	5/1/2012 6:09:21 PM
Cadmium	ND	0.099		mg/Kg-dry	1	5/1/2012 6:09:21 PM
Chromium	3.62	0.493		mg/Kg-dry	1	5/1/2012 6:09:21 PM
Lead	ND	1.97		mg/Kg-dry	1	5/1/2012 6:09:21 PM
Selenium	ND	1.97		mg/Kg-dry	1	5/1/2012 6:09:21 PM
Silver	ND	1.97		mg/Kg-dry	1	5/1/2012 6:09:21 PM
RCRA_8		SW 7471B				Analyst: eh
Mercury	0.0151	0.00864		mg/Kg-dry	1	5/1/2012 2:54:23 PM
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
1,1,1,2-Tetrachloroethane	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
1,1,1-Trichloroethane	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
1,1,2,2-Tetrachloroethane	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
1,1,2-Trichloroethane	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
1,1-Dichloroethane	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
1,1-Dichloroethene	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
1,1-Dichloropropene	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
1,2,3-Trichlorobenzene	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
1,2,3-Trichloropropane	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
1,2,4-Trichlorobenzene	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
1,2,4-Trimethylbenzene	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
1,2-Dibromo-3-chloropropane	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
1,2-Dibromoethane	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
1,2-Dichlorobenzene	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
1,2-Dichloroethane	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
1,2-Dichloropropane	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
1,3,5-Trimethylbenzene	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
1,3-Dichlorobenzene	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM

Specialty Analytical

Date Reported: 17-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03-01
Lab ID: 1204262-004
Client Sample ID: GP14-S-0.0

Collection Date: 4/27/2012 2:30:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
1,3-Dichloropropane	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
1,4-Dichlorobenzene	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
2,2-Dichloropropane	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
2-Butanone	ND	38.8		µg/Kg-dry	1	5/1/2012 9:50:00 PM
2-Chlorotoluene	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
2-Hexanone	33.6	19.4		µg/Kg-dry	1	5/1/2012 9:50:00 PM
4-Chlorotoluene	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
4-Isopropyltoluene	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
4-Methyl-2-pentanone	ND	38.8		µg/Kg-dry	1	5/1/2012 9:50:00 PM
Acetone	ND	97.1		µg/Kg-dry	1	5/1/2012 9:50:00 PM
Benzene	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
Bromobenzene	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
Bromochloromethane	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
Bromodichloromethane	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
Bromoform	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
Bromomethane	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
Carbon Disulfide	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
Carbon tetrachloride	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
Chlorobenzene	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
Chloroethane	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
Chloroform	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
Chloromethane	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
cis-1,2-Dichloroethene	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
cis-1,3-Dichloropropene	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
Dibromochloromethane	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
Dibromomethane	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
Dichlorodifluoromethane	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
Ethylbenzene	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
Hexachlorobutadiene	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
Isopropylbenzene	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
m,p-Xylene	ND	19.4		µg/Kg-dry	1	5/1/2012 9:50:00 PM
Methyl tert-butyl ether	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
Methylene Chloride	ND	48.6		µg/Kg-dry	1	5/1/2012 9:50:00 PM
Naphthalene	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
n-Butylbenzene	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
n-Propylbenzene	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
o-Xylene	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
sec-Butylbenzene	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
Styrene	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM

Specialty Analytical

Date Reported: 17-May-12

CLIENT: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03-01
Lab ID: 1204262-004
Client Sample ID: GP14-S-0.0

Collection Date: 4/27/2012 2:30:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B				Analyst: ajr
tert-Butylbenzene	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
Tetrachloroethene	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
Toluene	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
trans-1,2-Dichloroethene	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
trans-1,3-Dichloropropene	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
Trichloroethene	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
Trichlorofluoromethane	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
Vinyl Chloride	ND	9.71		µg/Kg-dry	1	5/1/2012 9:50:00 PM
Surr: 1,2-Dichloroethane-d4	103	71.5-112		%REC	1	5/1/2012 9:50:00 PM
Surr: 4-Bromofluorobenzene	82.4	75.7-122		%REC	1	5/1/2012 9:50:00 PM
Surr: Dibromofluoromethane	92.5	64.3-124		%REC	1	5/1/2012 9:50:00 PM
Surr: Toluene-d8	91.9	74.9-120		%REC	1	5/1/2012 9:50:00 PM

QC SUMMARY REPORT

WO#: 1204262

17-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03-01

TestCode: 6010_S

Sample ID: ICV	SampType: ICV	TestCode: 6010_S		Units: mg/Kg	Prep Date:			RunNo: 4025			
Client ID: ICV	Batch ID: 2476	TestNo: SW6010C		SW3050B	Analysis Date: 5/1/2012			SeqNo: 53818			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	105	2.00	100.0	0	105	90	110				
Barium	52.5	1.00	50.00	0	105	90	110				
Cadmium	5.14	0.100	5.000	0	103	90	110				
Chromium	25.3	0.500	25.00	0	101	90	110				
Lead	102	2.00	100.0	0	102	90	110				
Selenium	105	2.00	100.0	0	105	90	110				
Silver	48.9	2.00	50.00	0	97.8	90	110				

Sample ID: MBLK-2476	SampType: MBLK	TestCode: 6010_S	Units: mg/Kg	Prep Date: 5/1/2012	RunNo: 4025						
Client ID: PBS	Batch ID: 2476	TestNo: SW6010C	SW3050B	Analysis Date: 5/1/2012	SeqNo: 53820						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	2.00									
Barium	ND	1.00									
Cadmium	ND	0.100									
Chromium	ND	0.500									
Lead	ND	2.00									
Selenium	ND	2.00									
Silver	ND	2.00									

Sample ID: LCS-2476	SampType: LCS	TestCode: 6010_S	Units: mg/Kg	Prep Date: 5/1/2012	RunNo: 4025						
Client ID: LCSS	Batch ID: 2476	TestNo: SW6010C	SW3050B	Analysis Date: 5/1/2012	SeqNo: 53821						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	98.8	2.00	100.0	0	98.8	85.1	107				

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

WO#: 1204262

17-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03-01

TestCode: 6010_S

Sample ID: LCS-2476	SampType: LCS	TestCode: 6010_S	Units: mg/Kg	Prep Date: 5/1/2012	RunNo: 4025						
Client ID: LCSS	Batch ID: 2476	TestNo: SW6010C	SW3050B	Analysis Date: 5/1/2012	SeqNo: 53821						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	50.7	1.00	50.00	0	101	85.7	110				
Cadmium	4.82	0.100	5.000	0	96.4	87.2	109				
Chromium	24.9	0.500	25.00	0	99.8	84	113				
Lead	96.9	2.00	100.0	0	96.9	84.9	109				
Selenium	99.7	2.00	100.0	0	99.7	88.7	111				
Silver	40.8	2.00	50.00	0	81.5	79.3	109				

Sample ID: 1204262-003ADUP	SampType: DUP	TestCode: 6010_S	Units: mg/Kg-dry	Prep Date: 5/1/2012	RunNo: 4025						
Client ID: GP10-S-0.0	Batch ID: 2476	TestNo: SW6010C	SW3050B	Analysis Date: 5/1/2012	SeqNo: 53824						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	3.80	2.16						1.124	109	20	
Barium	196	1.08						189.9	3.03	20	
Cadmium	ND	0.108						0	0	20	
Chromium	18.8	0.540						18.14	3.40	20	
Lead	2.40	2.16						0	200	20	
Selenium	ND	2.16						0	0	20	
Silver	ND	2.16						2.161	200	20	

Sample ID: 1204262-003AMS	SampType: MS	TestCode: 6010_S	Units: mg/Kg-dry	Prep Date: 5/1/2012	RunNo: 4025						
Client ID: GP10-S-0.0	Batch ID: 2476	TestNo: SW6010C	SW3050B	Analysis Date: 5/1/2012	SeqNo: 53825						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	111	2.24	112.1	1.124	98.2	86.1	109				
Barium	254	1.12	56.04	189.9	114	75	125				

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

WO#: 1204262

17-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03-01

TestCode: 6010_S

Sample ID: 1204262-003AMS	SampType: MS	TestCode: 6010_S	Units: mg/Kg-dry	Prep Date: 5/1/2012	RunNo: 4025						
Client ID: GP10-S-0.0	Batch ID: 2476	TestNo: SW6010C	SW3050B	Analysis Date: 5/1/2012	SeqNo: 53825						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	5.13	0.112	5.604	0	91.6	86.4	113				
Chromium	45.2	0.560	28.02	18.14	96.6	75	121				
Lead	105	2.24	112.1	0	93.6	84.9	109				
Selenium	99.5	2.24	112.1	0	88.8	77.7	116				
Silver	52.3	2.24	56.04	2.161	89.6	75	123				

Sample ID: 1204262-003AMSD	SampType: MSD	TestCode: 6010_S		Units: mg/Kg-dry		Prep Date: 5/1/2012			RunNo: 4025		
Client ID: GP10-S-0.0	Batch ID: 2476	TestNo: SW6010C		SW3050B		Analysis Date: 5/1/2012			SeqNo: 53826		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	111	2.24	112.1	1.124	98.4	86.1	109	111.2	0.181	20	S
Barium	262	1.12	56.04	189.9	129	75	125	253.7	3.17	20	
Cadmium	5.21	0.112	5.604	0	93.0	86.4	113	5.133	1.52	20	
Chromium	45.9	0.560	28.02	18.14	98.9	75	121	45.22	1.40	20	
Lead	110	2.24	112.1	0	97.9	84.9	109	105.0	4.48	20	
Selenium	101	2.24	112.1	0	90.1	77.7	116	99.48	1.48	20	
Silver	52.6	2.24	56.04	2.161	89.9	75	123	52.35	0.406	20	

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

QC SUMMARY REPORT

WO#: 1204262

17-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03-01

TestCode: 8260_5035

Sample ID: MBLK-2495	SampType: MBLK	TestCode: 8260_5035	Units: µg/Kg	Prep Date:	RunNo: 4036						
Client ID: PBS	Batch ID: 2495	TestNo: SW8260B	SW5035A	Analysis Date: 4/30/2012	SeqNo: 54109						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	10.0									
1,1,1-Trichloroethane	ND	10.0									
1,1,2,2-Tetrachloroethane	ND	10.0									
1,1,2-Trichloroethane	ND	10.0									
1,1-Dichloroethane	ND	10.0									
1,1-Dichloroethene	ND	10.0									
1,1-Dichloropropene	ND	10.0									
1,2,3-Trichlorobenzene	ND	10.0									
1,2,3-Trichloropropane	ND	10.0									
1,2,4-Trichlorobenzene	ND	10.0									
1,2,4-Trimethylbenzene	ND	10.0									
1,2-Dibromo-3-chloropropane	ND	10.0									
1,2-Dibromoethane	ND	10.0									
1,2-Dichlorobenzene	ND	10.0									
1,2-Dichloroethane	ND	10.0									
1,2-Dichloropropane	ND	10.0									
1,3,5-Trimethylbenzene	ND	10.0									
1,3-Dichlorobenzene	ND	10.0									
1,3-Dichloropropane	ND	10.0									
1,4-Dichlorobenzene	ND	10.0									
2,2-Dichloropropane	ND	10.0									
2-Butanone	ND	40.0									
2-Chlorotoluene	ND	10.0									
2-Hexanone	ND	20.0									
4-Chlorotoluene	ND	10.0									
4-Isopropyltoluene	ND	10.0									

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

QC SUMMARY REPORT

WO#: 1204262

17-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03-01

TestCode: 8260_5035

Sample ID: MBLK-2495	SampType: MBLK	TestCode: 8260_5035		Units: µg/Kg	Prep Date:				RunNo: 4036		
Client ID: PBS	Batch ID: 2495	TestNo: SW8260B		SW5035A	Analysis Date: 4/30/2012				SeqNo: 54109		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Methyl-2-pentanone	ND	40.0									
Acetone	ND	100									
Benzene	ND	10.0									
Bromobenzene	ND	10.0									
Bromochloromethane	ND	10.0									
Bromodichloromethane	ND	10.0									
Bromoform	ND	10.0									
Bromomethane	ND	10.0									
Carbon Disulfide	ND	10.0									
Carbon tetrachloride	ND	10.0									
Chlorobenzene	ND	10.0									
Chloroethane	ND	10.0									
Chloroform	ND	10.0									
Chloromethane	ND	10.0									
cis-1,2-Dichloroethene	ND	10.0									
cis-1,3-Dichloropropene	ND	10.0									
Dibromochloromethane	ND	10.0									
Dibromomethane	ND	10.0									
Dichlorodifluoromethane	ND	10.0									
Ethylbenzene	ND	10.0									
Hexachlorobutadiene	ND	10.0									
Isopropylbenzene	ND	10.0									
m,p-Xylene	ND	20.0									
Methyl tert-butyl ether	ND	10.0									
Methylene Chloride	ND	50.0									
Naphthalene	ND	10.0									

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

QC SUMMARY REPORT

WO#: 1204262

17-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03-01

TestCode: 8260_5035

Sample ID: MBLK-2495	SampType: MBLK	TestCode: 8260_5035	Units: µg/Kg	Prep Date:					RunNo: 4036		
Client ID: PBS	Batch ID: 2495	TestNo: SW8260B	SW5035A	Analysis Date: 4/30/2012					SeqNo: 54109		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Butylbenzene	ND	10.0									
n-Propylbenzene	ND	10.0									
o-Xylene	ND	10.0									
sec-Butylbenzene	ND	10.0									
Styrene	ND	10.0									
tert-Butylbenzene	ND	10.0									
Tetrachloroethene	ND	10.0									
Toluene	ND	10.0									
trans-1,2-Dichloroethene	ND	10.0									
trans-1,3-Dichloropropene	ND	10.0									
Trichloroethene	ND	10.0									
Trichlorofluoromethane	ND	10.0									
Vinyl Chloride	ND	10.0									
Surr: 1,2-Dichloroethane-d4	98.5		100.0		98.5	71.5	112				
Surr: 4-Bromofluorobenzene	93.2		100.0		93.2	75.7	122				
Surr: Dibromofluoromethane	101		100.0		101	64.3	124				
Surr: Toluene-d8	103		100.0		103	74.9	120				

Sample ID: LCS-2495	SampType: LCS	TestCode: 8260_5035	Units: µg/Kg	Prep Date: 4/30/2012	RunNo: 4036						
Client ID: LCSS	Batch ID: 2495	TestNo: SW8260B	SW5035A	Analysis Date: 4/30/2012	SeqNo: 54110						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	67.6	10.0	60.00	0	113	80	120				
Chlorobenzene	68.0	10.0	60.00	0	113	80	120				
Toluene	69.6	10.0	60.00	0	116	80	120				

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 6 of 18
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

WO#: 1204262

17-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03-01

TestCode: 8260_5035

Sample ID: LCS-2495		SampType: LCS		TestCode: 8260_5035		Units: µg/Kg		Prep Date: 4/30/2012		RunNo: 4036			
Client ID: LCSS		Batch ID: 2495		TestNo: SW8260B		SW5035A		Analysis Date: 4/30/2012		SeqNo: 54110			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Trichloroethene	67.3	10.0	60.00	0	112	80	120				

Sample ID: LCSD-2495	SampType: LCSD	TestCode: 8260_5035	Units: µg/Kg	Prep Date: 4/30/2012	RunNo: 4036						
Client ID: LCSS02	Batch ID: 2495	TestNo: SW8260B	SW5035A	Analysis Date: 4/30/2012	SeqNo: 54111						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1-Dichloroethene	64.6	10.0	60.00	0	108	80	120	67.55	4.54	20	
Chlorobenzene	64.8	10.0	60.00	0	108	80	120	67.97	4.71	20	
Toluene	67.0	10.0	60.00	0	112	80	120	69.62	3.91	20	
Trichloroethene	63.4	10.0	60.00	0	106	80	120	67.32	5.98	20	

Sample ID: CCB-2495		SampType: CCB		TestCode: 8260_5035		Units: µg/Kg		Prep Date:			RunNo: 4036		
Client ID: CCB		Batch ID: 2495		TestNo: SW8260B		SW5035A		Analysis Date: 4/30/2012			SeqNo: 54112		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1,1,2-Tetrachloroethane	ND	10.0									
1,1,1-Trichloroethane	ND	10.0									
1,1,2,2-Tetrachloroethane	ND	10.0									
1,1,2-Trichloroethane	ND	10.0									
1,1-Dichloroethane	ND	10.0									
1,1-Dichloroethane	ND	10.0									
1,1-Dichloropropene	ND	10.0									
1,2,3-Trichlorobenzene	ND	10.0									
1,2,3-Trichloropropane	ND	10.0									
1,2,4-Trichlorobenzene	ND	10.0									

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 7 of 18
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

WO#: 1204262

17-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03-01

TestCode: 8260_5035

Sample ID: CCB-2495	SampType: CCB	TestCode: 8260_5035	Units: µg/Kg	Prep Date:					RunNo: 4036		
Client ID: CCB	Batch ID: 2495	TestNo: SW8260B	SW5035A	Analysis Date: 4/30/2012					SeqNo: 54112		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	ND	10.0									
1,2-Dibromo-3-chloropropane	ND	10.0									
1,2-Dibromoethane	ND	10.0									
1,2-Dichlorobenzene	ND	10.0									
1,2-Dichloroethane	ND	10.0									
1,2-Dichloropropane	ND	10.0									
1,3,5-Trimethylbenzene	ND	10.0									
1,3-Dichlorobenzene	ND	10.0									
1,3-Dichloropropane	ND	10.0									
1,4-Dichlorobenzene	ND	10.0									
2,2-Dichloropropane	ND	10.0									
2-Butanone	ND	40.0									
2-Chlorotoluene	ND	10.0									
2-Hexanone	ND	20.0									
4-Chlorotoluene	ND	10.0									
4-Isopropyltoluene	ND	10.0									
4-Methyl-2-pentanone	ND	40.0									
Acetone	ND	100									
Benzene	ND	10.0									
Bromobenzene	ND	10.0									
Bromochloromethane	ND	10.0									
Bromodichloromethane	ND	10.0									
Bromoform	ND	10.0									
Bromomethane	ND	10.0									
Carbon Disulfide	ND	10.0									
Carbon tetrachloride	ND	10.0									

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

WO#: 1204262

17-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03-01

TestCode: 8260_5035

Sample ID: CCB-2495	SampType: CCB	TestCode: 8260_5035	Units: µg/Kg	Prep Date:				RunNo: 4036			
Client ID: CCB	Batch ID: 2495	TestNo: SW8260B	SW5035A	Analysis Date: 4/30/2012				SeqNo: 54112			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	ND	10.0									
Chloroethane	ND	10.0									
Chloroform	ND	10.0									
Chloromethane	ND	10.0									
cis-1,2-Dichloroethene	ND	10.0									
cis-1,3-Dichloropropene	ND	10.0									
Dibromochloromethane	ND	10.0									
Dibromomethane	ND	10.0									
Dichlorodifluoromethane	ND	10.0									
Ethylbenzene	ND	10.0									
Hexachlorobutadiene	ND	10.0									
Isopropylbenzene	ND	10.0									
m,p-Xylene	ND	20.0									
Methyl tert-butyl ether	ND	10.0									
Methylene Chloride	ND	50.0									
Naphthalene	ND	10.0									
n-Butylbenzene	13.0	10.0									
n-Propylbenzene	ND	10.0									
o-Xylene	ND	10.0									
sec-Butylbenzene	ND	10.0									
Styrene	ND	10.0									
tert-Butylbenzene	ND	10.0									
Tetrachloroethene	ND	10.0									
Toluene	ND	10.0									
trans-1,2-Dichloroethene	ND	10.0									
trans-1,3-Dichloropropene	ND	10.0									

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

QC SUMMARY REPORT

WO#: 1204262

17-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03-01

TestCode: 8260_5035

Sample ID: CCB-2495	SampType: CCB	TestCode: 8260_5035	Units: µg/Kg	Prep Date:	RunNo: 4036						
Client ID: CCB	Batch ID: 2495	TestNo: SW8260B	SW5035A	Analysis Date: 4/30/2012	SeqNo: 54112						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene	ND	10.0									
Trichlorofluoromethane	ND	10.0									
Vinyl Chloride	ND	10.0									
Surr: 1,2-Dichloroethane-d4	100		100.0		100	71.5	112				
Surr: 4-Bromofluorobenzene	93.8		100.0		93.8	75.7	122				
Surr: Dibromofluoromethane	102		100.0		102	64.3	124				
Surr: Toluene-d8	100		100.0		100	74.9	120				

Sample ID: LCS-2495	SampType: LCS	TestCode: 8260_5035	Units: µg/Kg	Prep Date: 4/30/2012	RunNo: 4036						
Client ID: LCSS	Batch ID: 2495	TestNo: SW8260B	SW5035A	Analysis Date: 5/1/2012	SeqNo: 54128						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	71.3	10.0	60.00	0	119	80	120				

Sample ID: LCSD-2495	SampType: LCSD	TestCode: 8260_5035		Units: µg/Kg	Prep Date: 4/30/2012				RunNo: 4036		
Client ID: LCSS02	Batch ID: 2495	TestNo: SW8260B		SW5035A	Analysis Date: 5/1/2012				SeqNo: 54129		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	70.8	10.0	60.00	0	118	80	120	72.71	2.69	20	

Sample ID: CCV-2495	SampType: CCV	TestCode: 8260_5035	Units: µg/Kg	Prep Date:	RunNo: 4036						
Client ID: CCV	Batch ID: 2495	TestNo: SW8260B	SW5035A	Analysis Date: 5/3/2012	SeqNo: 54619						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	71.2	10.0	60.00	0	119	80	120				

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 10 of 18
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

WO#: 1204262

17-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03-01

TestCode: 8260_5035

Sample ID: CCV-2495	SampType: CCV	TestCode: 8260_5035	Units: µg/Kg	Prep Date:	RunNo: 4036						
Client ID: CCV	Batch ID: 2495	TestNo: SW8260B	SW5035A	Analysis Date: 5/3/2012	SeqNo: 54619						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloropropane	63.9	10.0	60.00	0	106	80	120				
Chloroform	60.3	10.0	60.00	0	101	80	120				
Ethylbenzene	62.6	10.0	60.00	0	104	80	120				
Toluene	63.7	10.0	60.00	0	106	80	120				
Vinyl Chloride	59.7	10.0	60.00	0	99.5	80	120				

Sample ID: CCB-2495	SampType: CCB	TestCode: 8260_5035	Units: µg/Kg	Prep Date:	RunNo: 4036						
Client ID: CCB	Batch ID: 2495	TestNo: SW8260B	SW5035A	Analysis Date: 5/3/2012	SeqNo: 54642						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	10.0									
1,1,1-Trichloroethane	ND	10.0									
1,1,2,2-Tetrachloroethane	ND	10.0									
1,1,2-Trichloroethane	ND	10.0									
1,1-Dichloroethane	ND	10.0									
1,1-Dichloroethene	ND	10.0									
1,1-Dichloropropene	ND	10.0									
1,2,3-Trichlorobenzene	ND	10.0									
1,2,3-Trichloropropane	ND	10.0									
1,2,4-Trichlorobenzene	ND	10.0									
1,2,4-Trimethylbenzene	ND	10.0									
1,2-Dibromo-3-chloropropane	ND	10.0									
1,2-Dibromoethane	ND	10.0									
1,2-Dichlorobenzene	ND	10.0									
1,2-Dichloroethane	ND	10.0									

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

QC SUMMARY REPORT

WO#: 1204262

17-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03-01

TestCode: 8260_5035

Sample ID: CCB-2495	SampType: CCB	TestCode: 8260_5035	Units: µg/Kg	Prep Date:	RunNo: 4036						
Client ID: CCB	Batch ID: 2495	TestNo: SW8260B	SW5035A	Analysis Date: 5/3/2012	SeqNo: 54642						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloropropane	ND	10.0									
1,3,5-Trimethylbenzene	ND	10.0									
1,3-Dichlorobenzene	ND	10.0									
1,3-Dichloropropane	ND	10.0									
1,4-Dichlorobenzene	ND	10.0									
2,2-Dichloropropane	ND	10.0									
2-Butanone	ND	40.0									
2-Chlorotoluene	ND	10.0									
2-Hexanone	ND	20.0									
4-Chlorotoluene	ND	10.0									
4-Isopropyltoluene	ND	10.0									
4-Methyl-2-pentanone	ND	40.0									
Acetone	ND	100									
Benzene	ND	10.0									
Bromobenzene	ND	10.0									
Bromochloromethane	ND	10.0									
Bromodichloromethane	ND	10.0									
Bromoform	ND	10.0									
Bromomethane	ND	10.0									
Carbon Disulfide	ND	10.0									
Carbon tetrachloride	ND	10.0									
Chlorobenzene	ND	10.0									
Chloroethane	ND	10.0									
Chloroform	ND	10.0									
Chloromethane	ND	10.0									
cis-1,2-Dichloroethene	ND	10.0									

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

QC SUMMARY REPORT

WO#: 1204262

17-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03-01

TestCode: 8260_5035

Sample ID: CCB-2495	SampType: CCB	TestCode: 8260_5035	Units: µg/Kg	Prep Date:	RunNo: 4036						
Client ID: CCB	Batch ID: 2495	TestNo: SW8260B	SW5035A	Analysis Date: 5/3/2012	SeqNo: 54642						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,3-Dichloropropene	ND	10.0									
Dibromochloromethane	ND	10.0									
Dibromomethane	ND	10.0									
Dichlorodifluoromethane	ND	10.0									
Ethylbenzene	ND	10.0									
Hexachlorobutadiene	ND	10.0									
Isopropylbenzene	ND	10.0									
m,p-Xylene	ND	20.0									
Methyl tert-butyl ether	ND	10.0									
Methylene Chloride	ND	50.0									
Naphthalene	ND	10.0									
n-Butylbenzene	ND	10.0									
n-Propylbenzene	ND	10.0									
o-Xylene	ND	10.0									
sec-Butylbenzene	ND	10.0									
Styrene	ND	10.0									
tert-Butylbenzene	ND	10.0									
Tetrachloroethene	ND	10.0									
Toluene	ND	10.0									
trans-1,2-Dichloroethene	ND	10.0									
trans-1,3-Dichloropropene	ND	10.0									
Trichloroethene	ND	10.0									
Trichlorofluoromethane	ND	10.0									
Vinyl Chloride	ND	10.0									
Surr: 1,2-Dichloroethane-d4	92.6		100.0		92.6	71.5	112				
Surr: 4-Bromofluorobenzene	86.1		100.0		86.1	75.7	122				

Qualifiers:	B	Analyte detected in the associated Method Blank	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit	Page 13 of 18
	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits			

QC SUMMARY REPORT

WO#: 1204262

17-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03-01

TestCode: 8260_5035

Sample ID: CCB-2495	SampType: CCB	TestCode: 8260_5035	Units: µg/Kg	Prep Date:	RunNo: 4036						
Client ID: CCB	Batch ID: 2495	TestNo: SW8260B	SW5035A	Analysis Date: 5/3/2012	SeqNo: 54642						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Dibromofluoromethane	95.2		100.0		95.2	64.3	124				
Surr: Toluene-d8	94.0		100.0		94.0	74.9	120				

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 14 of 18
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

WO#: 1204262

17-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03-01

TestCode: HCID_NW

Sample ID: MB-2469	SampType: MBLK	TestCode: HCID_NW	Units: mg/Kg	Prep Date: 4/30/2012	RunNo: 3994						
Client ID: PBS	Batch ID: 2469	TestNo: NWHCID		Analysis Date: 4/30/2012	SeqNo: 53380						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	20.0									
Mineral Spirits	ND	20.0									
Kerosene	ND	50.0									
Diesel	ND	50.0									
Lube Oil	ND	100									
Surr: BFB	97.1		100.0		97.1	50	150				
Surr: o-Terphenyl	98.6		100.0		98.6	50	150				

Sample ID: 1204262-002ADUP	SampType: DUP	TestCode: HCID_NW	Units: mg/Kg-dry	Prep Date: 4/30/2012	RunNo: 3994						
Client ID: GP08-S-0.0	Batch ID: 2469	TestNo: NWHCID		Analysis Date: 4/30/2012	SeqNo: 53384						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	22.9						0	0	20	
Mineral Spirits	ND	22.9						0	0	20	
Kerosene	ND	57.2						0	0	20	
Diesel	ND	57.2						0	0	20	
Lube Oil	ND	114						0	0	20	

Sample ID: 1204256-001ADUP	SampType: DUP	TestCode: HCID_NW	Units: mg/Kg-dry	Prep Date: 4/30/2012	RunNo: 3994						
Client ID: ZZZZZZ	Batch ID: 2469	TestNo: NWHCID		Analysis Date: 4/30/2012	SeqNo: 53391						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	23.1						0	0	20	
Mineral Spirits	ND	23.1						0	0	20	
Kerosene	ND	57.7						0	0	20	

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 15 of 18
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

WO#: 1204262

17-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03-01

TestCode: HCID_NW

Sample ID: 1204256-001ADUP	SampType: DUP	TestCode: HCID_NW	Units: mg/Kg-dry	Prep Date: 4/30/2012	RunNo: 3994						
Client ID: ZZZZZZ	Batch ID: 2469	TestNo: NWHCID		Analysis Date: 4/30/2012	SeqNo: 53391						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	ND	57.7						0	0	20	
Lube Oil	227	115						190.5	17.4	20	

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 16 of 18
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

WO#: 1204262

17-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03-01

TestCode: HG_CTS

Sample ID: LCS-2478		SampType: LCS		TestCode: HG_CTS		Units: mg/Kg		Prep Date: 5/1/2012			RunNo: 4005		
Client ID: LCSS		Batch ID: 2478		TestNo: SW 7471B		SW 7471B		Analysis Date: 5/1/2012			SeqNo: 53512		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.268 0.0167 0.2500 0 107 88.2 113

Sample ID: MB-2478		SampType: MBLK		TestCode: HG_CTS		Units: mg/Kg		Prep Date: 5/1/2012		RunNo: 4005			
Client ID: PBS		Batch ID: 2478		TestNo: SW 7471B		SW 7471B		Analysis Date: 5/1/2012		SeqNo: 53513			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury ND 0.0167

Sample ID: 1204256-001BDUP	SampType: DUP	TestCode: HG_CTS	Units: mg/Kg	Prep Date: 5/1/2012	RunNo: 4005						
Client ID: ZZZZZZ	Batch ID: 2478	TestNo: SW 7471B	SW 7471B	Analysis Date: 5/1/2012	SeqNo: 53515						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.0594 0.0157 0.06409 7.58 20

Sample ID: 1204256-001BMS	SampType: MS	TestCode: HG_CTS	Units: mg/Kg	Prep Date: 5/1/2012	RunNo: 4005						
Client ID: ZZZZZZ	Batch ID: 2478	TestNo: SW 7471B	SW 7471B	Analysis Date: 5/1/2012	SeqNo: 53516						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.285 0.0157 0.2344 0.06409 94.3 78.1 125

Sample ID: 1204256-001BMSD	SampType: MSD	TestCode: HG_CTS	Units: mg/Kg	Prep Date: 5/1/2012	RunNo: 4005						
Client ID: ZZZZZZ	Batch ID: 2478	TestNo: SW 7471B	SW 7471B	Analysis Date: 5/1/2012	SeqNo: 53517						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.273 0.0157 0.2344 0.06409 89.0 78.1 125 0.2852 4.45 20

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 17 of 18
R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

WO#: 1204262

17-May-12

Specialty Analytical

Client: Maul Foster & Alongi
Project: 32nd Street / 0564.01.03-01

TestCode: HG_CTS

Sample ID: R4005CCV		SampType: CCV		TestCode: HG_CTS		Units: mg/Kg		Prep Date:			RunNo: 4005		
Client ID: CCV		Batch ID: 2478		TestNo: SW 7471B		SW 7471B		Analysis Date: 5/1/2012			SeqNo: 53526		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.263	0.0167	0.2500	0	105	90	110				

Sample ID: CCV2	SampType: CCV	TestCode: HG_CTS	Units: mg/Kg	Prep Date:	RunNo: 4005						
Client ID: CCV	Batch ID: 2478	TestNo: SW 7471B	SW 7471B	Analysis Date: 5/1/2012	SeqNo: 53527						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.238	0.0167	0.2500	0	95.3	90	110				

Qualifiers: B Analyte detected in the associated Method Blank
R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
S Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit

Page 18 of 18

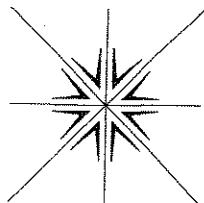
KEY TO FLAGS

Rev. May 12, 2010

- A This sample contains a Gasoline Range Organic not identified as a specific hydrocarbon product. The result was quantified against gasoline calibration standards
- A1 This sample contains a Diesel Range Organic not identified as a specific hydrocarbon product. The result was quantified against diesel calibration standards.
- A2 This sample contains a Lube Oil Range Organic not identified as a specific hydrocarbon product. The result was quantified against a lube oil calibration standard.
- A3 The result was determined to be Non-Detect based on hydrocarbon pattern recognition. The product was carry-over from another hydrocarbon type.
- A4 The product appears to be aged or degraded diesel.
- B The blank exhibited a positive result great than the reporting limit for this compound.
- CN See Case Narrative.
- D Result is based from a dilution.
- E Result exceeds the calibration range for this compound. The result should be considered as estimate.
- F The positive result for this hydrocarbon is due to single component contamination. The product does not match any hydrocarbon in the fuels library.
- G Result may be biased high due to biogenic interferences. Clean up is recommended.
- H Sample was analyzed outside recommended holding time.
- HT At clients request, samples was analyzed outside of recommended holding time.
- J The result for this analyte is between the MDL and the PQL and should be considered as estimated concentration.
- K Diesel result is biased high due to amount of Oil contained in the sample.
- L Diesel result is biased high due to amount of Gasoline contained in the sample.
- M Oil result is biased high due to amount of Diesel contained in the sample.
- MC Sample concentration is greater than 4x the spiked value, the spiked value is considered insignificant.
- MI Result is outside control limits due to matrix interference.
- MSA Value determined by Method of Standard Addition.
- O Laboratory Control Standard (LCS) exceeded laboratory control limits, but meets CCV criteria. Data meets EPA requirements.
- Q Detection levels elevated due to sample matrix.
- R RPD control limits were exceeded.
- RF Duplicate failed due to result being at or near the method-reporting limit.
- RP Matrix spike values exceed established QC limits; post digestion spike is in control.
- S Recovery is outside control limits.
- SC Closing CCV or LCS exceeded high recovery control limits, but associated samples are non-detect. Data meets EPA requirements.
- * The result for this parameter was greater than the maximum contaminant level of the TCLP regulatory limit.

CHAIN OF CUSTODY RECORD

Page ____ of ____



Specialty Analytical

11711 SE Capps Road
Clackamas, OR 97015
Phone: 503-607-1331
Fax: 503-607-1336

Contact Person/Project Manager Christina Johnson

Company MFA

Address 400 E Mill Plain Blvd

Vancouver WA 98660

Phone 360 694-2691

Fax 360 906 1958

Project No. 0564.01.03-01 Project Name 32nd Street

Project Site Location OR _____ WA X Other _____

Invoice To Same

P.O. No. _____

Collected By: _____

Signature _____

Printed Andrew Vidourek

Signature _____

Printed _____

Turn Around Time

☒ Normal 5-7 Business Days

☐ Rush _____

Specify

Rush Analyses Must Be Scheduled With The Lab In Advance

No. of Containers	Analyses										For Laboratory Use	
	Total PCRA Metals	VOC'S (82408)	HCID								Lab Job No.	Shipped Via
												Air Bill No.
											Temperature On Receipt <u>5</u> °C	
											Specialty Analytical Containers? Y / N	
											Specialty Analytical Trip Blanks? Y / N	
											Comments	Lab I.D.

Date	Time	Sample I.D.	Matrix
4/27/12	1330	GP07-S-0.0	S
	1300	GP08-S-0.0	
	1400	GP10-S-0.0	
	1430	GP14-S-0.0	

Relinquished By: Andrew Vidourek

Company: MFA

Date 4/27/12

Time 1630

Received By: [Signature]

Company: [Signature]

Relinquished By: Rachel Moore

Company: SA

Date 4/30/12

Time 1330

Unless Reclaimed, Samples Will Be Disposed of 60 Days After Receipt.
Samples held beyond 60 days subject to storage fee(s)

Received For Lab By: Nikki Bupp

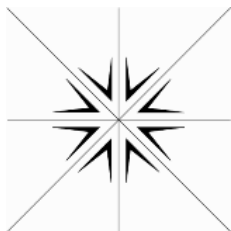
Date 4/30/12

Time 1330

Copies: White-Original

Yellow-Project File

Pink-Customer Copy



Specialty Analytical

11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

November 13, 2013

Alan Hughes
Maul Foster & Alongi
400 E. Mill Plain Blvd.
Suite 400
Vancouver, WA 98660
TEL: (360) 694-2691
FAX (360) 906-1958
RE: Schmid / 0564.02.01

Dear Alan Hughes:

Order No.: 1310136

Specialty Analytical received 28 sample(s) on 10/15/2013 for the analyses presented in the following report.

There were no problems with the analysis and all data for associated QC met EPA or laboratory specifications, except where noted in the Case Narrative, or as qualified with flags. Results apply only to the samples analyzed. Without approval of the laboratory, the reproduction of this report is only permitted in its entirety.

If you have any questions regarding these tests, please feel free to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Marty French". The signature is stylized with a cursive, flowing script.

Marty French
Lab Director

Specialty Analytical

Date Reported: 13-Nov-13

CLIENT: Maul Foster & Alongi
Project: Schmid / 0564.02.01

Lab Order: 1310136

Lab ID: 1310136-001

Collection Date: 10/11/2013 8:35:00 AM

Client Sample ID: GP22-S-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed

HOLD PER CLIENT REQUEST

PER CLIENT

Analyst: **clh**

Hold

Hold

0

1

11/12/2013 2:43:07 PM

Lab ID: 1310136-002

Collection Date: 10/11/2013 9:10:00 AM

Client Sample ID: GP22-S-12

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed

HOLD PER CLIENT REQUEST

PER CLIENT

Analyst: **clh**

Hold

Hold

0

1

11/12/2013 2:43:07 PM

Specialty Analytical

Date Reported: 13-Nov-13

CLIENT: Maul Foster & Alongi
Project: Schmid / 0564.02.01

Lab Order: 1310136

Lab ID: 1310136-003

Collection Date: 10/11/2013 8:40:00 AM

Client Sample ID: GP22-S-5

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID						
			NWHCID		Analyst: JRC	
Gasoline	ND	24.7		mg/Kg-dry	1	10/17/2013 11:45:31 AM
Mineral Spirits	ND	24.7		mg/Kg-dry	1	10/17/2013 11:45:31 AM
Kerosene	ND	61.8		mg/Kg-dry	1	10/17/2013 11:45:31 AM
Diesel	ND	61.8		mg/Kg-dry	1	10/17/2013 11:45:31 AM
Lube Oil	OIL	124		mg/Kg-dry	1	10/17/2013 11:45:31 AM
Surr: BFB	80.6	50-150		%REC	1	10/17/2013 11:45:31 AM
Surr: o-Terphenyl	102	50-150		%REC	1	10/17/2013 11:45:31 AM
NWTPH-DX						
			NWTPH-DX		Analyst: ZP	
Diesel	ND	18.5	A3HT	mg/Kg-dry	1	10/31/2013 9:56:56 AM
Lube Oil	198	61.8	HT	mg/Kg-dry	1	10/31/2013 9:56:56 AM
Surr: o-Terphenyl	84.4	50-150	HT	%REC	1	10/31/2013 9:56:56 AM
PAH'S BY GC/MS - LOW LEVEL						
			SW8270D		Analyst: ajr	
1-Methylnaphthalene	75.8	8.24	HT	µg/Kg-dry	1	11/4/2013 8:58:00 PM
2-Methylnaphthalene	104	8.24	HT	µg/Kg-dry	1	11/4/2013 8:58:00 PM
Acenaphthene	9.06	8.24	HT	µg/Kg-dry	1	11/4/2013 8:58:00 PM
Acenaphthylene	ND	8.24	HT	µg/Kg-dry	1	11/4/2013 8:58:00 PM
Anthracene	22.2	8.24	HT	µg/Kg-dry	1	11/4/2013 8:58:00 PM
Benz(a)anthracene	46.1	8.24	HT	µg/Kg-dry	1	11/4/2013 8:58:00 PM
Benzo(a)pyrene	ND	8.24	HT	µg/Kg-dry	1	11/4/2013 8:58:00 PM
Benzo(b)fluoranthene	18.1	8.24	HT	µg/Kg-dry	1	11/4/2013 8:58:00 PM
Benzo(g,h,i)perylene	30.5	8.24	HT	µg/Kg-dry	1	11/4/2013 8:58:00 PM
Benzo(k)fluoranthene	ND	8.24	HT	µg/Kg-dry	1	11/4/2013 8:58:00 PM
Chrysene	27.2	8.24	HT	µg/Kg-dry	1	11/4/2013 8:58:00 PM
Dibenz(a,h)anthracene	ND	8.24	HT	µg/Kg-dry	1	11/4/2013 8:58:00 PM
Fluoranthene	102	8.24	HT	µg/Kg-dry	1	11/4/2013 8:58:00 PM
Fluorene	28.0	8.24	HT	µg/Kg-dry	1	11/4/2013 8:58:00 PM
Indeno(1,2,3-cd)pyrene	ND	8.24	HT	µg/Kg-dry	1	11/4/2013 8:58:00 PM
Naphthalene	ND	8.24	HT	µg/Kg-dry	1	11/4/2013 8:58:00 PM
Phenanthrene	100	8.24	HT	µg/Kg-dry	1	11/4/2013 8:58:00 PM
Pyrene	166	8.24	HT	µg/Kg-dry	1	11/4/2013 8:58:00 PM
Surr: 2-Fluorobiphenyl	72.1	42.6-128	HT	%REC	1	11/4/2013 8:58:00 PM
Surr: Nitrobenzene-d5	50.5	21.7-155	HT	%REC	1	11/4/2013 8:58:00 PM
Surr: p-Terphenyl-d14	116	44.9-155	HT	%REC	1	11/4/2013 8:58:00 PM
PCB'S IN SOLIDS						
			SW 8082A		Analyst: ajr	
Aroclor 1016	ND	0.411	HT	µg/Kg-dry	1	11/1/2013 3:00:05 PM
Aroclor 1221	ND	0.411	HT	µg/Kg-dry	1	11/1/2013 3:00:05 PM

Specialty Analytical

Date Reported: 13-Nov-13

CLIENT: Maul Foster & Alongi
Project: Schmid / 0564.02.01

Lab Order: 1310136

PCB'S IN SOLIDS

SW 8082A

Analyst: ajr

Aroclor 1232	ND	0.411	HT	µg/Kg-dry	1	11/1/2013 3:00:05 PM
Aroclor 1242	ND	0.411	HT	µg/Kg-dry	1	11/1/2013 3:00:05 PM
Aroclor 1248	ND	0.411	HT	µg/Kg-dry	1	11/1/2013 3:00:05 PM
Aroclor 1254	ND	0.411	HT	µg/Kg-dry	1	11/1/2013 3:00:05 PM
Aroclor 1260	ND	0.411	HT	µg/Kg-dry	1	11/1/2013 3:00:05 PM
Aroclor 1262	ND	0.411	HT	µg/Kg-dry	1	11/1/2013 3:00:05 PM
Aroclor 1268	ND	0.411	HT	µg/Kg-dry	1	11/1/2013 3:00:05 PM
Surr: Decachlorobiphenyl	134	56.5-130	SMIHT	%REC	1	11/1/2013 3:00:05 PM

Specialty Analytical

Date Reported: 13-Nov-13

CLIENT: Maul Foster & Alongi
Project: Schmid / 0564.02.01

Lab Order: 1310136

Lab ID: 1310136-004

Collection Date: 10/11/2013 9:05:00 AM

Client Sample ID: GP22-S-13.5

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-HCID		NWHCID		Analyst: JRC		
Gasoline	ND	25.2		mg/Kg-dry	1	10/17/2013 12:29:29 PM
Mineral Spirits	ND	25.2		mg/Kg-dry	1	10/17/2013 12:29:29 PM
Kerosene	ND	63.0		mg/Kg-dry	1	10/17/2013 12:29:29 PM
Diesel	ND	63.0		mg/Kg-dry	1	10/17/2013 12:29:29 PM
Lube Oil	OIL	126		mg/Kg-dry	1	10/17/2013 12:29:29 PM
Surr: BFB	81.8	50-150		%REC	1	10/17/2013 12:29:29 PM
Surr: o-Terphenyl	91.5	50-150		%REC	1	10/17/2013 12:29:29 PM
NWTPH-DX		NWTPH-DX		Analyst: ZP		
Diesel	ND	18.9	A3HT	mg/Kg-dry	1	10/31/2013 10:18:45 AM
Lube Oil	905	63.0	HT	mg/Kg-dry	1	10/31/2013 10:18:45 AM
Surr: o-Terphenyl	105	50-150	HT	%REC	1	10/31/2013 10:18:45 AM
PAH'S BY GC/MS - LOW LEVEL		SW8270D		Analyst: ajr		
1-Methylnaphthalene	79.0	8.41	HT	µg/Kg-dry	1	11/4/2013 9:50:00 PM
2-Methylnaphthalene	73.1	8.41	HT	µg/Kg-dry	1	11/4/2013 9:50:00 PM
Acenaphthene	17.6	8.41	HT	µg/Kg-dry	1	11/4/2013 9:50:00 PM
Acenaphthylene	160	8.41	HT	µg/Kg-dry	1	11/4/2013 9:50:00 PM
Anthracene	165	8.41	HT	µg/Kg-dry	1	11/4/2013 9:50:00 PM
Benz(a)anthracene	141	8.41	HT	µg/Kg-dry	1	11/4/2013 9:50:00 PM
Benzo(a)pyrene	223	8.41	HT	µg/Kg-dry	1	11/4/2013 9:50:00 PM
Benzo(b)fluoranthene	200	8.41	HT	µg/Kg-dry	1	11/4/2013 9:50:00 PM
Benzo(g,h,i)perylene	308	8.41	HT	µg/Kg-dry	1	11/4/2013 9:50:00 PM
Benzo(k)fluoranthene	82.3	8.41	HT	µg/Kg-dry	1	11/4/2013 9:50:00 PM
Chrysene	316	8.41	HT	µg/Kg-dry	1	11/4/2013 9:50:00 PM
Dibenz(a,h)anthracene	ND	8.41	HT	µg/Kg-dry	1	11/4/2013 9:50:00 PM
Fluoranthene	324	8.41	HT	µg/Kg-dry	1	11/4/2013 9:50:00 PM
Fluorene	49.6	8.41	HT	µg/Kg-dry	1	11/4/2013 9:50:00 PM
Indeno(1,2,3-cd)pyrene	192	8.41	HT	µg/Kg-dry	1	11/4/2013 9:50:00 PM
Naphthalene	47.9	8.41	HT	µg/Kg-dry	1	11/4/2013 9:50:00 PM
Phenanthrene	501	8.41	HT	µg/Kg-dry	1	11/4/2013 9:50:00 PM
Pyrene	460	8.41	HT	µg/Kg-dry	1	11/4/2013 9:50:00 PM
Surr: 2-Fluorobiphenyl	72.0	42.6-128	HT	%REC	1	11/4/2013 9:50:00 PM
Surr: Nitrobenzene-d5	60.2	21.7-155	HT	%REC	1	11/4/2013 9:50:00 PM
Surr: p-Terphenyl-d14	91.6	44.9-155	HT	%REC	1	11/4/2013 9:50:00 PM
PCB'S IN SOLIDS		SW 8082A		Analyst: ajr		
Aroclor 1016	ND	0.420	HT	µg/Kg-dry	1	11/1/2013 3:17:05 PM
Aroclor 1221	ND	0.420	HT	µg/Kg-dry	1	11/1/2013 3:17:05 PM

Specialty Analytical

Date Reported: 13-Nov-13

CLIENT: Maul Foster & Alongi
Project: Schmid / 0564.02.01

Lab Order: 1310136

PCB'S IN SOLIDS

SW 8082A

Analyst: ajr

Aroclor 1232	ND	0.420	HT	µg/Kg-dry	1	11/1/2013 3:17:05 PM
Aroclor 1242	ND	0.420	HT	µg/Kg-dry	1	11/1/2013 3:17:05 PM
Aroclor 1248	ND	0.420	HT	µg/Kg-dry	1	11/1/2013 3:17:05 PM
Aroclor 1254	ND	0.420	HT	µg/Kg-dry	1	11/1/2013 3:17:05 PM
Aroclor 1260	ND	0.420	HT	µg/Kg-dry	1	11/1/2013 3:17:05 PM
Aroclor 1262	ND	0.420	HT	µg/Kg-dry	1	11/1/2013 3:17:05 PM
Aroclor 1268	ND	0.420	HT	µg/Kg-dry	1	11/1/2013 3:17:05 PM
Surr: Decachlorobiphenyl	58.6	56.5-130	HT	%REC	1	11/1/2013 3:17:05 PM

Specialty Analytical

Date Reported: 13-Nov-13

CLIENT: Maul Foster & Alongi
Project: Schmid / 0564.02.01

Lab Order: 1310136

Lab ID: 1310136-005

Collection Date: 10/11/2013 9:20:00 AM

Client Sample ID: GP22-S-18

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-DX						
NWTPH-DX						Analyst: ZP
Diesel	ND	19.3	A3HT	mg/Kg-dry	1	10/31/2013 10:40:44 AM
Lube Oil	637	64.3	HT	mg/Kg-dry	1	10/31/2013 10:40:44 AM
Surr: o-Terphenyl	91.9	50-150	HT	%REC	1	10/31/2013 10:40:44 AM
PAH'S BY GC/MS - LOW LEVEL						
SW8270D						Analyst: ajr
1-Methylnaphthalene	41.1	8.57	HT	µg/Kg-dry	1	11/4/2013 9:24:00 PM
2-Methylnaphthalene	60.0	8.57	HT	µg/Kg-dry	1	11/4/2013 9:24:00 PM
Acenaphthene	ND	8.57	HT	µg/Kg-dry	1	11/4/2013 9:24:00 PM
Acenaphthylene	9.43	8.57	HT	µg/Kg-dry	1	11/4/2013 9:24:00 PM
Anthracene	22.3	8.57	HT	µg/Kg-dry	1	11/4/2013 9:24:00 PM
Benz(a)anthracene	29.1	8.57	HT	µg/Kg-dry	1	11/4/2013 9:24:00 PM
Benzo(a)pyrene	19.7	8.57	HT	µg/Kg-dry	1	11/4/2013 9:24:00 PM
Benzo(b)fluoranthene	31.7	8.57	HT	µg/Kg-dry	1	11/4/2013 9:24:00 PM
Benzo(g,h,i)perylene	31.7	8.57	HT	µg/Kg-dry	1	11/4/2013 9:24:00 PM
Benzo(k)fluoranthene	ND	8.57	HT	µg/Kg-dry	1	11/4/2013 9:24:00 PM
Chrysene	34.3	8.57	HT	µg/Kg-dry	1	11/4/2013 9:24:00 PM
Dibenz(a,h)anthracene	ND	8.57	HT	µg/Kg-dry	1	11/4/2013 9:24:00 PM
Fluoranthene	49.7	8.57	HT	µg/Kg-dry	1	11/4/2013 9:24:00 PM
Fluorene	15.4	8.57	HT	µg/Kg-dry	1	11/4/2013 9:24:00 PM
Indeno(1,2,3-cd)pyrene	19.7	8.57	HT	µg/Kg-dry	1	11/4/2013 9:24:00 PM
Naphthalene	58.3	8.57	HT	µg/Kg-dry	1	11/4/2013 9:24:00 PM
Phenanthrene	71.1	8.57	HT	µg/Kg-dry	1	11/4/2013 9:24:00 PM
Pyrene	76.3	8.57	HT	µg/Kg-dry	1	11/4/2013 9:24:00 PM
Surr: 2-Fluorobiphenyl	62.5	42.6-128	HT	%REC	1	11/4/2013 9:24:00 PM
Surr: Nitrobenzene-d5	25.2	21.7-155	HT	%REC	1	11/4/2013 9:24:00 PM
Surr: p-Terphenyl-d14	94.1	44.9-155	HT	%REC	1	11/4/2013 9:24:00 PM
PCB'S IN SOLIDS						
SW 8082A						Analyst: ajr
Aroclor 1016	ND	0.428	HT	µg/Kg-dry	1	11/1/2013 3:34:05 PM
Aroclor 1221	ND	0.428	HT	µg/Kg-dry	1	11/1/2013 3:34:05 PM
Aroclor 1232	ND	0.428	HT	µg/Kg-dry	1	11/1/2013 3:34:05 PM
Aroclor 1242	ND	0.428	HT	µg/Kg-dry	1	11/1/2013 3:34:05 PM
Aroclor 1248	ND	0.428	HT	µg/Kg-dry	1	11/1/2013 3:34:05 PM
Aroclor 1254	ND	0.428	HT	µg/Kg-dry	1	11/1/2013 3:34:05 PM
Aroclor 1260	ND	0.428	HT	µg/Kg-dry	1	11/1/2013 3:34:05 PM
Aroclor 1262	ND	0.428	HT	µg/Kg-dry	1	11/1/2013 3:34:05 PM
Aroclor 1268	ND	0.428	HT	µg/Kg-dry	1	11/1/2013 3:34:05 PM
Surr: Decachlorobiphenyl	61.9	56.5-130	HT	%REC	1	11/1/2013 3:34:05 PM

Specialty Analytical

Date Reported: 13-Nov-13

CLIENT: Maul Foster & Alongi
Project: Schmid / 0564.02.01

Lab Order: 1310136

Lab ID: 1310136-006 **Collection Date:** 10/11/2013 10:00:00 AM
Client Sample ID: GP22-S-22 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST		PER CLIENT				Analyst: clh
Hold	Hold	0			1	11/12/2013 2:43:07 PM

Lab ID: 1310136-007 **Collection Date:** 10/11/2013 10:15:00 AM
Client Sample ID: GP22-W **Matrix:** WATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST		PER CLIENT				Analyst: clh
Hold	Hold	0			1	11/12/2013 2:43:07 PM

Lab ID: 1310136-008 **Collection Date:** 10/11/2013 9:35:00 AM
Client Sample ID: TP-S-3 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST		PER CLIENT				Analyst: clh
Hold	Hold	0			1	11/12/2013 2:43:07 PM

Lab ID: 1310136-009 **Collection Date:** 10/11/2013 10:10:00 AM
Client Sample ID: TP-S-4 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST		PER CLIENT				Analyst: clh
Hold	Hold	0			1	11/12/2013 2:43:07 PM

Specialty Analytical

Date Reported: 13-Nov-13

CLIENT: Maul Foster & Alongi
Project: Schmid / 0564.02.01

Lab Order: 1310136

Lab ID: 1310136-010

Collection Date: 10/11/2013 10:30:00 AM

Client Sample ID: TP-S-3A

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-DX		NWTPH-DX				Analyst: CS
Diesel	436	33.6	A1	mg/Kg-dry	2	10/24/2013 1:46:38 AM
Lube Oil	421	112		mg/Kg-dry	2	10/24/2013 1:46:38 AM
Surr: o-Terphenyl	135	50-150		%REC	2	10/24/2013 1:46:38 AM

Lab ID: 1310136-011

Collection Date: 10/11/2013 10:37:00 AM

Client Sample ID: TP-S-2.5

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-DX		NWTPH-DX				Analyst: ZP
Diesel	ND	16.6		mg/Kg-dry	1	10/18/2013 3:51:38 AM
Lube Oil	ND	55.2		mg/Kg-dry	1	10/18/2013 3:51:38 AM
Surr: o-Terphenyl	71.2	50-150		%REC	1	10/18/2013 3:51:38 AM

Lab ID: 1310136-012

Collection Date: 10/11/2013 10:50:00 AM

Client Sample ID: TP-S-2.5A

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-DX		NWTPH-DX				Analyst: ZP
Diesel	ND	20.2		mg/Kg-dry	1	10/18/2013 4:34:47 AM
Lube Oil	ND	67.4		mg/Kg-dry	1	10/18/2013 4:34:47 AM
Surr: o-Terphenyl	58.7	50-150		%REC	1	10/18/2013 4:34:47 AM

Lab ID: 1310136-013

Collection Date: 10/11/2013 11:10:00 AM

Client Sample ID: TP-S-2.5B

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST		PER CLIENT				Analyst: clh
Hold	Hold	0			1	11/12/2013 2:43:07 PM

Specialty Analytical

Date Reported: 13-Nov-13

CLIENT: Maul Foster & Alongi
Project: Schmid / 0564.02.01

Lab Order: 1310136

Lab ID: 1310136-014

Collection Date: 10/11/2013 11:30:00 AM

Client Sample ID: TP-S-2.5C

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-DX		NWTPH-DX				Analyst: ZP
Diesel	ND	16.4		mg/Kg-dry	1	10/18/2013 4:56:26 AM
Lube Oil	ND	54.5		mg/Kg-dry	1	10/18/2013 4:56:26 AM
Surr: o-Terphenyl	60.0	50-150		%REC	1	10/18/2013 4:56:26 AM

Lab ID: 1310136-015

Collection Date: 10/11/2013 11:40:00 AM

Client Sample ID: TP-S-9.5

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-DX		NWTPH-DX				Analyst: ZP
Diesel	ND	17.7		mg/Kg-dry	1	10/18/2013 5:18:03 AM
Lube Oil	ND	59.1		mg/Kg-dry	1	10/18/2013 5:18:03 AM
Surr: o-Terphenyl	62.2	50-150		%REC	1	10/18/2013 5:18:03 AM

Lab ID: 1310136-016

Collection Date: 10/11/2013 11:40:00 AM

Client Sample ID: GP26-S-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST		PER CLIENT				Analyst: clh
Hold	Hold	0			1	11/12/2013 2:43:07 PM

Lab ID: 1310136-017

Collection Date: 10/11/2013 11:45:00 AM

Client Sample ID: GP26-S-5

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST		PER CLIENT				Analyst: clh
Hold	Hold	0			1	11/12/2013 2:43:07 PM

Specialty Analytical

Date Reported: 13-Nov-13

CLIENT: Maul Foster & Alongi
Project: Schmid / 0564.02.01

Lab Order: 1310136

Lab ID: 1310136-018 **Collection Date:** 10/11/2013 12:00:00 PM
Client Sample ID: GP26-S-10 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST		PER CLIENT				Analyst: clh
Hold	Hold	0			1	11/12/2013 2:43:07 PM

Lab ID: 1310136-019 **Collection Date:** 10/11/2013 12:20:00 PM
Client Sample ID: GP26-S-17 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST		PER CLIENT				Analyst: clh
Hold	Hold	0			1	11/12/2013 2:43:07 PM

Lab ID: 1310136-020 **Collection Date:** 10/11/2013 1:00:00 PM
Client Sample ID: GP26-W **Matrix:** WATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-DX - RBC		NWTPH-DX				Analyst: ZP
Diesel	ND	0.0800		mg/L	1	10/19/2013 12:52:25 PM
Lube Oil	ND	0.200		mg/L	1	10/19/2013 12:52:25 PM
Surr: o-Terphenyl	63.3	50-150		%REC	1	10/19/2013 12:52:25 PM

Lab ID: 1310136-021 **Collection Date:** 10/11/2013 1:50:00 PM
Client Sample ID: GP27-S-2 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST		PER CLIENT				Analyst: clh
Hold	Hold	0			1	11/12/2013 2:43:07 PM

Specialty Analytical

Date Reported: 13-Nov-13

CLIENT: Maul Foster & Alongi
Project: Schmid / 0564.02.01

Lab Order: 1310136

Lab ID: 1310136-022

Collection Date: 10/11/2013 2:05:00 PM

Client Sample ID: GP27-S-5

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST		PER CLIENT				Analyst: clh
Hold	Hold	0			1	11/12/2013 2:43:07 PM

Lab ID: 1310136-023

Collection Date: 10/11/2013 2:15:00 PM

Client Sample ID: GP27-S-10

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST		PER CLIENT				Analyst: clh
Hold	Hold	0			1	11/12/2013 2:43:07 PM

Lab ID: 1310136-024

Collection Date: 10/11/2013 2:45:00 PM

Client Sample ID: GP27-S-12

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST		PER CLIENT				Analyst: clh
Hold	Hold	0			1	11/12/2013 2:43:07 PM

Lab ID: 1310136-025

Collection Date: 10/11/2013 4:50:00 PM

Client Sample ID: SS17

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-DX		NWTPH-DX				Analyst: ZP
Diesel	ND	16.6		mg/Kg-dry	1	10/18/2013 8:52:52 PM
Lube Oil	ND	55.3		mg/Kg-dry	1	10/18/2013 8:52:52 PM
Surr: o-Terphenyl	50.5	50-150		%REC	1	10/18/2013 8:52:52 PM

Specialty Analytical

Date Reported: 13-Nov-13

CLIENT: Maul Foster & Alongi
Project: Schmid / 0564.02.01

Lab Order: 1310136

Lab ID: 1310136-026

Collection Date: 10/11/2013 4:30:00 PM

Client Sample ID: SS18

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-DX		NWTPH-DX				Analyst: ZP
Diesel	ND	18.0		mg/Kg-dry	1	10/18/2013 9:36:31 PM
Lube Oil	64.4	59.9		mg/Kg-dry	1	10/18/2013 9:36:31 PM
Surr: o-Terphenyl	74.2	50-150		%REC	1	10/18/2013 9:36:31 PM
NWTPH-GX		NWTPH-GX				Analyst: JRC
Gasoline	ND	2.99		mg/Kg-dry	1	10/20/2013 3:15:00 PM
Surr: 4-Bromofluorobenzene	54.7	50-150		%REC	1	10/20/2013 3:15:00 PM

Lab ID: 1310136-027

Collection Date: 10/11/2013 3:10:00 PM

Client Sample ID: GP27-W

Matrix: WATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-DX - RBC		NWTPH-DX				Analyst: ZP
Diesel	ND	0.0800		mg/L	1	10/19/2013 1:14:11 AM
Lube Oil	ND	0.200		mg/L	1	10/19/2013 1:14:11 AM
Surr: o-Terphenyl	74.0	50-150		%REC	1	10/19/2013 1:14:11 AM

Lab ID: 1310136-028

Collection Date: 10/11/2013 4:20:00 PM

Client Sample ID: GP23-W

Matrix: WATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP/MS METALS-DISSOLVED RECOVERABLE		SW6020A				Analyst: ZL
Arsenic	0.132	0.100		µg/L	1	10/18/2013 2:17:00 PM
Barium	12.4	1.00		µg/L	1	10/18/2013 2:17:00 PM
Chromium	ND	0.100		µg/L	1	10/18/2013 12:36:00 AM
Lead	ND	0.100		µg/L	1	10/18/2013 12:36:00 AM

QC SUMMARY REPORT

WO#: 1310136

13-Nov-13

Specialty Analytical

Client: Maul Foster & Alongi

Project: Schmid / 0564.02.01

TestCode: 6020_WDISS

Sample ID: ICV	SampType: ICV	TestCode: 6020_WDISS	Units: µg/L	Prep Date:	RunNo: 11977						
Client ID: ICV	Batch ID: 6078	TestNo: SW6020A		Analysis Date: 10/17/2013	SeqNo: 152008						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	49.4	0.100	50.00	0	98.9	90	110				
Barium	49.9	1.00	50.00	0	99.8	90	110				
Chromium	47.2	0.100	50.00	0	94.3	90	110				
Lead	49.4	0.100	50.00	0	98.8	90	110				

Sample ID: CCV	SampType: CCV	TestCode: 6020_WDISS	Units: µg/L	Prep Date:	RunNo: 11977						
Client ID: CCV	Batch ID: 6078	TestNo: SW6020A		Analysis Date: 10/17/2013	SeqNo: 152009						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	50.5	0.100	50.00	0	101	90	110				
Barium	51.2	1.00	50.00	0	102	90	110				
Chromium	50.1	0.100	50.00	0	100	90	110				
Lead	51.1	0.100	50.00	0	102	90	110				

Sample ID: MBLK-6077	SampType: ICB	TestCode: 6020_WDISS	Units: µg/L	Prep Date:	RunNo: 11977						
Client ID: ICB	Batch ID: 6078	TestNo: SW6020A		Analysis Date: 10/17/2013	SeqNo: 152010						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.100									
Barium	ND	1.00									
Chromium	ND	0.100									
Lead	ND	0.100									

Qualifiers: B Analyte detected in the associated Method Blank
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted reco

QC SUMMARY REPORT

WO#: 1310136

13-Nov-13

Specialty Analytical

Client: Maul Foster & Alongi

Project: Schmid / 0564.02.01

TestCode: 6020_WDISS

Sample ID: 1310036-002CDUP	SampType: DUP	TestCode: 6020_WDISS	Units: µg/L	Prep Date: 10/17/2013	RunNo: 11977						
Client ID: ZZZZZZ	Batch ID: 6078	TestNo: SW6020A		Analysis Date: 10/17/2013	SeqNo: 152012						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	33.1	0.100						33.20	0.211	20	
Barium	75.3	1.00						72.32	4.04	20	
Chromium	ND	0.100						0	0	20	
Lead	ND	0.100						0	0	20	

Sample ID: 1310036-002CMS	SampType: MS	TestCode: 6020_WDISS	Units: µg/L	Prep Date: 10/17/2013	RunNo: 11977						
Client ID: ZZZZZZ	Batch ID: 6078	TestNo: SW6020A		Analysis Date: 10/17/2013	SeqNo: 152013						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	83.5	0.100	50.00	33.20	101	70	130				
Chromium	48.0	0.100	50.00	0.02338	95.9	70	130				
Lead	52.4	0.100	50.00	0	105	70	130				

Sample ID: 1310036-002CMSD	SampType: MSD	TestCode: 6020_WDISS	Units: µg/L	Prep Date: 10/17/2013	RunNo: 11977						
Client ID: ZZZZZZ	Batch ID: 6078	TestNo: SW6020A		Analysis Date: 10/17/2013	SeqNo: 152014						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	85.3	0.100	50.00	33.20	104	70	130	83.47	2.13	20	
Chromium	50.1	0.100	50.00	0.02338	100	70	130	47.96	4.34	20	
Lead	53.5	0.100	50.00	0	107	70	130	52.39	2.15	20	

Qualifiers: B Analyte detected in the associated Method Blank
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted reco

QC SUMMARY REPORT

WO#: 1310136

13-Nov-13

Specialty Analytical

Client: Maul Foster & Alongi

Project: Schmid / 0564.02.01

TestCode: 6020_WDISS

Sample ID: CCV	SampType: CCV	TestCode: 6020_WDISS	Units: µg/L	Prep Date:	RunNo: 11977						
Client ID: CCV	Batch ID: 6078	TestNo: SW6020A		Analysis Date: 10/18/2013	SeqNo: 152020						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	49.9	0.100	50.00	0	99.7	90	110				
Barium	51.8	1.00	50.00	0	104	90	110				
Chromium	47.9	0.100	50.00	0	95.7	90	110				
Lead	49.9	0.100	50.00	0	99.8	90	110				

Sample ID: ICV	SampType: ICV	TestCode: 6020_WDISS	Units: µg/L	Prep Date:	RunNo: 11977						
Client ID: ICV	Batch ID: 6078	TestNo: SW6020A		Analysis Date: 10/18/2013	SeqNo: 152271						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	48.6	0.100	50.00	0	97.3	90	110				
Barium	47.8	1.00	50.00	0	95.6	90	110				

Sample ID: 1310036-002CMS	SampType: MS	TestCode: 6020_WDISS	Units: µg/L	Prep Date: 10/17/2013	RunNo: 11977						
Client ID: ZZZZZZ	Batch ID: 6078	TestNo: SW6020A		Analysis Date: 10/18/2013	SeqNo: 152274						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	322	5.00	250.0	72.32	100	70	130				

Sample ID: 1310036-002CMSD	SampType: MSD	TestCode: 6020_WDISS	Units: µg/L	Prep Date: 10/17/2013	RunNo: 11977						
Client ID: ZZZZZZ	Batch ID: 6078	TestNo: SW6020A		Analysis Date: 10/18/2013	SeqNo: 152275						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers: B Analyte detected in the associated Method Blank
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted reco

QC SUMMARY REPORT

WO#: 1310136

13-Nov-13

Specialty Analytical

Client: Maul Foster & Alongi

Project: Schmid / 0564.02.01

TestCode: 6020_WDISS

Sample ID: 1310036-002CMSD	SampType: MSD	TestCode: 6020_WDISS	Units: µg/L	Prep Date: 10/17/2013	RunNo: 11977						
Client ID: ZZZZZZ	Batch ID: 6078	TestNo: SW6020A		Analysis Date: 10/18/2013	SeqNo: 152275						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	336	5.00	250.0	72.32	106	70	130	322.4	4.16	20	

Sample ID: CCV	SampType: CCV	TestCode: 6020_WDISS	Units: µg/L	Prep Date:	RunNo: 11977						
Client ID: CCV	Batch ID: 6078	TestNo: SW6020A		Analysis Date: 10/18/2013	SeqNo: 152280						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	50.2	0.100	50.00	0	100	90	110				
Barium	53.2	1.00	50.00	0	106	90	110				

Qualifiers: B Analyte detected in the associated Method Blank
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted reco

QC SUMMARY REPORT

WO#: 1310136

13-Nov-13

Specialty Analytical

Client: Maul Foster & Alongi

Project: Schmid / 0564.02.01

TestCode: 8082LL_S

Sample ID: MB-6159	SampType: MBLK	TestCode: 8082LL_S	Units: µg/Kg	Prep Date: 10/29/2013	RunNo: 12197						
Client ID: PBS	Batch ID: 6159	TestNo: SW 8082A	3545_8082LL	Analysis Date: 11/1/2013	SeqNo: 155628						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.333									
Aroclor 1221	ND	0.333									
Aroclor 1232	ND	0.333									
Aroclor 1242	ND	0.333									
Aroclor 1248	ND	0.333									
Aroclor 1254	ND	0.333									
Aroclor 1260	ND	0.333									
Aroclor 1262	ND	0.333									
Aroclor 1268	ND	0.333									
Surr: Decachlorobiphenyl	5720		6667		85.9	56.5	130				

Sample ID: LCS-6159	SampType: LCS	TestCode: 8082LL_S	Units: µg/Kg	Prep Date: 10/29/2013	RunNo: 12197						
Client ID: LCSS	Batch ID: 6159	TestNo: SW 8082A	3545_8082LL	Analysis Date: 11/1/2013	SeqNo: 155629						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016/1260	59.3	0.333	66.67	0	89.0	44.3	137				

Sample ID: 1310247-001BMS	SampType: MS	TestCode: 8082LL_S	Units: µg/Kg	Prep Date: 10/29/2013	RunNo: 12197						
Client ID: ZZZZZZ	Batch ID: 6159	TestNo: SW 8082A	3545_8082LL	Analysis Date: 11/1/2013	SeqNo: 155635						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016/1260	177	0.333	66.67	0	266	56.6	123				SMI

Qualifiers: B Analyte detected in the associated Method Blank
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted reco

QC SUMMARY REPORT

WO#: 1310136

13-Nov-13

Specialty Analytical

Client: Maul Foster & Alongi

Project: Schmid / 0564.02.01

TestCode: 8082LL_S

Sample ID: 1310247-001BMSD	SampType: MSD	TestCode: 8082LL_S	Units: µg/Kg	Prep Date: 10/29/2013	RunNo: 12197						
Client ID: ZZZZZZ	Batch ID: 6159	TestNo: SW 8082A	3545_8082LL	Analysis Date: 11/1/2013	SeqNo: 155636						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016/1260	129	0.333	66.67	0	194	56.6	123	177.3	31.3	20	SRMI

Sample ID: 1016/1260 CCV	SampType: CCV	TestCode: 8082LL_S	Units: µg/Kg	Prep Date:	RunNo: 12197						
Client ID: CCV	Batch ID: 6159	TestNo: SW 8082A	3545_8082LL	Analysis Date: 11/1/2013	SeqNo: 155638						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016/1260	70.4	0.333	66.67	0	106	85	115				
Aroclor 1260	61.1	0.333	66.67	0	91.7	85	115				

Sample ID: 1254 CCV	SampType: CCV	TestCode: 8082LL_S	Units: µg/Kg	Prep Date:	RunNo: 12197						
Client ID: CCV	Batch ID: 6159	TestNo: SW 8082A	3545_8082LL	Analysis Date: 11/1/2013	SeqNo: 155639						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	65.7	0.333	66.67	0	98.5	85	115				

Qualifiers: B Analyte detected in the associated Method Blank
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted reco

QC SUMMARY REPORT

WO#: 1310136

13-Nov-13

Specialty Analytical

Client: Maul Foster & Alongi

Project: Schmid / 0564.02.01

TestCode: HCID_NW

Sample ID: MB-6069	SampType: MBLK	TestCode: HCID_NW	Units: mg/Kg	Prep Date: 10/16/2013	RunNo: 11975						
Client ID: PBS	Batch ID: 6069	TestNo: NWHCID		Analysis Date: 10/17/2013	SeqNo: 151995						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	20.0									
Mineral Spirits	ND	20.0									
Kerosene	ND	50.0									
Diesel	ND	50.0									
Lube Oil	ND	100									
Surr: BFB	93.1		100.0		93.1	50	150				
Surr: o-Terphenyl	96.6		100.0		96.6	50	150				

Sample ID: 1310142-002ADUP	SampType: DUP	TestCode: HCID_NW	Units: mg/Kg-dry	Prep Date: 10/16/2013	RunNo: 11975						
Client ID: ZZZZZZ	Batch ID: 6069	TestNo: NWHCID		Analysis Date: 10/17/2013	SeqNo: 152000						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	30.8						0	0	20	
Mineral Spirits	ND	30.8						0	0	20	
Kerosene	ND	77.0						0	0	20	
Diesel	ND	77.0						0	0	20	
Lube Oil	ND	154						0	0	20	

Sample ID: 1310154-001ADUP	SampType: DUP	TestCode: HCID_NW	Units: mg/Kg-dry	Prep Date: 10/16/2013	RunNo: 11975						
Client ID: ZZZZZZ	Batch ID: 6069	TestNo: NWHCID		Analysis Date: 10/17/2013	SeqNo: 152002						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	27.0						0	0	20	

Qualifiers: B Analyte detected in the associated Method Blank
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted reco

QC SUMMARY REPORT

WO#: 1310136

13-Nov-13

Specialty Analytical

Client: Maul Foster & Alongi

Project: Schmid / 0564.02.01

TestCode: HCID_NW

Sample ID: 1310154-001ADUP	SampType: DUP	TestCode: HCID_NW	Units: mg/Kg-dry	Prep Date: 10/16/2013	RunNo: 11975						
Client ID: ZZZZZZ	Batch ID: 6069	TestNo: NWHCID		Analysis Date: 10/17/2013	SeqNo: 152002						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mineral Spirits	ND	27.0						0	0	20	
Kerosene	ND	67.5						0	0	20	
Diesel	DIESEL	67.5						630.3	72.1	20	R
Lube Oil	OIL	135						734.7	68.1	20	R

Sample ID: 1310156-002ADUP	SampType: DUP	TestCode: HCID_NW	Units: mg/Kg-dry	Prep Date: 10/16/2013	RunNo: 11975						
Client ID: ZZZZZZ	Batch ID: 6069	TestNo: NWHCID		Analysis Date: 10/17/2013	SeqNo: 152004						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	GASOLINE	22.3						98.16	9.94	20	
Mineral Spirits	ND	22.3						0	0	20	
Kerosene	ND	55.8						0	0	20	
Diesel	DIESEL	55.8						442.6	12.6	20	
Lube Oil	OIL	112						138.7	6.67	20	

Qualifiers: B Analyte detected in the associated Method Blank
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted reco

QC SUMMARY REPORT

WO#: 1310136

13-Nov-13

Specialty Analytical

Client: Maul Foster & Alongi

Project: Schmid / 0564.02.01

TestCode: NWTPHDX_S

Sample ID: CCV	SampType: CCV	TestCode: NWTPHDX_S	Units: mg/Kg	Prep Date:	RunNo: 11986						
Client ID: CCV	Batch ID: 6068	TestNo: NWTPH-Dx	SW3545A	Analysis Date: 10/17/2013	SeqNo: 152542						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	1410	15.0	1352	0	104	85	115				
Lube Oil	602	50.0	696.9	0	86.4	85	115				

Sample ID: MB-6068	SampType: MBLK	TestCode: NWTPHDX_S Units: mg/Kg			Prep Date: 10/16/2013			RunNo: 11986			
Client ID: PBS	Batch ID: 6068	TestNo: NWTPH-Dx SW3545A			Analysis Date: 10/18/2013			SeqNo: 152543			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	ND	15.0									
Lube Oil	ND	50.0									
Surr: o-Terphenyl	47.6		66.60		71.5	50	150				

Sample ID: LCS-6068	SampType: LCS	TestCode: NWTPHDX_S	Units: mg/Kg	Prep Date: 10/16/2013	RunNo: 11986						
Client ID: LCSS	Batch ID: 6068	TestNo: NWTPH-Dx	SW3545A	Analysis Date: 10/18/2013	SeqNo: 152544						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	207	15.0	166.5	0	124	76.3	125				
Lube Oil	160	50.0	166.5	0	96.1	69.9	127				

Sample ID: 1310136-011ADUP	SampType: DUP	TestCode: NWTPHDX_S	Units: mg/Kg-dry	Prep Date: 10/16/2013	RunNo: 11986						
Client ID: TP-S-2.5	Batch ID: 6068	TestNo: NWTPH-Dx	SW3545A	Analysis Date: 10/18/2013	SeqNo: 152559						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers: B Analyte detected in the associated Method Blank

O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded

R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit

S Spike Recovery outside accepted reco

QC SUMMARY REPORT

WO#: 1310136

13-Nov-13

Specialty Analytical

Client: Maul Foster & Alongi

Project: Schmid / 0564.02.01

TestCode: NWTPHDX_S

Sample ID: 1310136-011ADUP	SampType: DUP	TestCode: NWTPHDX_S	Units: mg/Kg-dry	Prep Date: 10/16/2013	RunNo: 11986						
Client ID: TP-S-2.5	Batch ID: 6068	TestNo: NWTPH-Dx	SW3545A	Analysis Date: 10/18/2013	SeqNo: 152559						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	ND	16.6						0	200	20	
Lube Oil	ND	55.2						0	0	20	

Sample ID: CCV	SampType: CCV	TestCode: NWTPHDX_S	Units: mg/Kg	Prep Date:	RunNo: 11986						
Client ID: CCV	Batch ID: 6068	TestNo: NWTPH-Dx	SW3545A	Analysis Date: 10/18/2013	SeqNo: 152569						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	1360	15.0	1352	0	101	85	115				
Lube Oil	621	50.0	696.9	0	89.1	85	115				

Sample ID: 1310136-010ADUP	SampType: DUP	TestCode: NWTPHDX_S	Units: mg/Kg-dry	Prep Date: 10/16/2013	RunNo: 11986						
Client ID: TP-S-3A	Batch ID: 6068	TestNo: NWTPH-Dx	SW3545A	Analysis Date: 10/18/2013	SeqNo: 152573						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	ND	16.8						0	200	20	
Lube Oil	427	56.0						50.06	158	20	R

Sample ID: CCV	SampType: CCV	TestCode: NWTPHDX_S	Units: mg/Kg	Prep Date:	RunNo: 11986						
Client ID: CCV	Batch ID: 6068	TestNo: NWTPH-Dx	SW3545A	Analysis Date: 10/18/2013	SeqNo: 152576						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	1410	15.0	1352	0	104	85	115				

Qualifiers: B Analyte detected in the associated Method Blank
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted reco

QC SUMMARY REPORT

WO#: 1310136

13-Nov-13

Specialty Analytical

Client: Maul Foster & Alongi

Project: Schmid / 0564.02.01

TestCode: NWTPHDX_S

Sample ID: CCV	SampType: CCV	TestCode: NWTPHDX_S	Units: mg/Kg	Prep Date:	RunNo: 11986						
Client ID: CCV	Batch ID: 6068	TestNo: NWTPH-Dx	SW3545A	Analysis Date: 10/18/2013	SeqNo: 152576						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lube Oil	632	50.0	696.9	0	90.7	85	115				

Sample ID: CCV	SampType: CCV	TestCode: NWTPHDX_S	Units: mg/Kg	Prep Date:	RunNo: 12057						
Client ID: CCV	Batch ID: 6131	TestNo: NWTPH-Dx	SW3545A	Analysis Date: 10/23/2013	SeqNo: 153392						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel	1050	15.0	1014	0	103	85	115				
Lube Oil	489	50.0	522.7	0	93.5	85	115				

Sample ID: MB-6131	SampType: MBLK	TestCode: NWTPHDX_S	Units: mg/Kg	Prep Date: 10/23/2013	RunNo: 12057						
Client ID: PBS	Batch ID: 6131	TestNo: NWTPH-Dx	SW3545A	Analysis Date: 10/23/2013	SeqNo: 153393						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel	ND	15.0									
Lube Oil	ND	50.1									
Surr: o-Terphenyl	23.5		33.30		70.7	50	150				

Sample ID: LCS-6131	SampType: LCS	TestCode: NWTPHDX_S	Units: mg/Kg	Prep Date: 10/23/2013	RunNo: 12057						
Client ID: LCSS	Batch ID: 6131	TestNo: NWTPH-Dx	SW3545A	Analysis Date: 10/23/2013	SeqNo: 153394						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel	193	15.0	166.5	0	116	76.3	125				

Qualifiers:

B	Analyte detected in the associated Method Blank	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted reco

QC SUMMARY REPORT

WO#: 1310136

13-Nov-13

Specialty Analytical

Client: Maul Foster & Alongi

Project: Schmid / 0564.02.01

TestCode: NWTPHDX_S

Sample ID: LCS-6131	SampType: LCS	TestCode: NWTPHDX_S	Units: mg/Kg	Prep Date: 10/23/2013	RunNo: 12057						
Client ID: LCSS	Batch ID: 6131	TestNo: NWTPH-Dx	SW3545A	Analysis Date: 10/23/2013	SeqNo: 153394						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lube Oil	158	50.1	166.5	0	94.6	69.9	127				

Sample ID: CCV	SampType: CCV	TestCode: NWTPHDX_S	Units: mg/Kg	Prep Date:	RunNo: 12057						
Client ID: CCV	Batch ID: 6131	TestNo: NWTPH-Dx	SW3545A	Analysis Date: 10/24/2013	SeqNo: 153503						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	1100	15.0	1014	0	109	85	115				
Lube Oil	476	50.0	522.7	0	91.1	85	115				

Sample ID: 1310171-001ADUP	SampType: DUP	TestCode: NWTPHDX_S	Units: mg/Kg-dry	Prep Date: 10/23/2013	RunNo: 12057						
Client ID: ZZZZZZ	Batch ID: 6131	TestNo: NWTPH-Dx	SW3545A	Analysis Date: 10/24/2013	SeqNo: 153505						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	5810	196						10570	58.2	20	RA1
Lube Oil	9970	652						13230	28.1	20	RM

Sample ID: 1310175-001ADUP	SampType: DUP	TestCode: NWTPHDX_S	Units: mg/Kg-dry	Prep Date: 10/23/2013	RunNo: 12057						
Client ID: ZZZZZZ	Batch ID: 6131	TestNo: NWTPH-Dx	SW3545A	Analysis Date: 10/24/2013	SeqNo: 153506						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	ND	21.1						0	0	20	
Lube Oil	ND	70.3						0	0	20	

Qualifiers: B Analyte detected in the associated Method Blank
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted reco

QC SUMMARY REPORT

WO#: 1310136

13-Nov-13

Specialty Analytical

Client: Maul Foster & Alongi

Project: Schmid / 0564.02.01

TestCode: NWTPHDX_S

Sample ID: 1310175-001ADUP	SampType: DUP	TestCode: NWTPHDX_S	Units: mg/Kg-dry	Prep Date: 10/23/2013	RunNo: 12057						
Client ID: ZZZZZZ	Batch ID: 6131	TestNo: NWTPH-Dx	SW3545A	Analysis Date: 10/24/2013	SeqNo: 153506						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: CCV	SampType: CCV	TestCode: NWTPHDX_S	Units: mg/Kg	Prep Date:	RunNo: 12057						
Client ID: CCV	Batch ID: 6131	TestNo: NWTPH-Dx	SW3545A	Analysis Date: 10/25/2013	SeqNo: 154048						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	1010	15.0	1014	0	100	85	115				
Lube Oil	445	50.0	522.7	0	85.1	85	115				

Sample ID: CCV	SampType: CCV	TestCode: NWTPHDX_S	Units: mg/Kg	Prep Date:	RunNo: 12124						
Client ID: CCV	Batch ID: 6151	TestNo: NWTPH-Dx	SW3545A	Analysis Date: 10/28/2013	SeqNo: 154521						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	1410	15.0	1352	0	104	85	115				
Lube Oil	622	50.0	696.9	0	89.3	85	115				

Sample ID: MB-6151	SampType: MBLK	TestCode: NWTPHDX_S	Units: mg/Kg	Prep Date: 10/28/2013	RunNo: 12124						
Client ID: PBS	Batch ID: 6151	TestNo: NWTPH-Dx	SW3545A	Analysis Date: 10/28/2013	SeqNo: 154522						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	ND	15.0									
Lube Oil	ND	50.0									
Surr: o-Terphenyl	24.9		33.30		74.9	50	150				

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 13 of 26
O RSD is greater than RSDlimit R RPD outside accepted recovery limits S Spike Recovery outside accepted reco

QC SUMMARY REPORT

WO#: 1310136

13-Nov-13

Specialty Analytical

Client: Maul Foster & Alongi

Project: Schmid / 0564.02.01

TestCode: NWTPHDX_S

Sample ID: MB-6151	SampType: MBLK	TestCode: NWTPHDX_S	Units: mg/Kg	Prep Date: 10/28/2013	RunNo: 12124						
Client ID: PBS	Batch ID: 6151	TestNo: NWTPH-Dx	SW3545A	Analysis Date: 10/28/2013	SeqNo: 154522						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: 1310243-001ADUP	SampType: DUP	TestCode: NWTPHDX_S	Units: mg/Kg-dry	Prep Date: 10/28/2013	RunNo: 12124						
Client ID: ZZZZZZ	Batch ID: 6151	TestNo: NWTPH-Dx	SW3545A	Analysis Date: 10/28/2013	SeqNo: 154525						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	33.2	17.2						70.28	71.7	20	R
Lube Oil	ND	57.2						0	0	20	

Sample ID: CCV	SampType: CCV	TestCode: NWTPHDX_S	Units: mg/Kg	Prep Date:	RunNo: 12124						
Client ID: CCV	Batch ID: 6151	TestNo: NWTPH-Dx	SW3545A	Analysis Date: 10/29/2013	SeqNo: 154527						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	1030	15.0	1014	0	101	85	115				
Lube Oil	462	50.0	522.7	0	88.5	85	115				

Sample ID: LCS-6151	SampType: LCS	TestCode: NWTPHDX_S Units: mg/Kg				Prep Date: 10/28/2013			RunNo: 12124		
Client ID: LCSS	Batch ID: 6151	TestNo: NWTPH-Dx SW3545A				Analysis Date: 10/29/2013			SeqNo: 154528		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	198	15.0	166.5	0	119	76.3	125				
Lube Oil	153	50.0	166.5	0	91.9	69.9	127				

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 14 of 26
O RSD is greater than RSDlimit R RPD outside accepted recovery limits S Spike Recovery outside accepted reco

QC SUMMARY REPORT

WO#: 1310136

13-Nov-13

Specialty Analytical

Client: Maul Foster & Alongi

Project: Schmid / 0564.02.01

TestCode: NWTPHDX_S

Sample ID: CCV	SampType: CCV	TestCode: NWTPHDX_S	Units: mg/Kg	Prep Date:	RunNo: 12124						
Client ID: CCV	Batch ID: 6151	TestNo: NWTPH-Dx	SW3545A	Analysis Date: 10/31/2013	SeqNo: 155253						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	1080	15.0	1014	0	107	85	115				
Lube Oil	457	50.0	522.7	0	87.5	85	115				

Sample ID: CCV	SampType: CCV	TestCode: NWTPHDX_S	Units: mg/Kg	Prep Date:	RunNo: 12124						
Client ID: CCV	Batch ID: 6151	TestNo: NWTPH-Dx	SW3545A	Analysis Date: 10/31/2013	SeqNo: 155257						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	1410	15.0	1352	0	104	85	115				
Lube Oil	612	50.0	696.9	0	87.8	85	115				

Qualifiers: B Analyte detected in the associated Method Blank
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted reco

QC SUMMARY REPORT

WO#: 1310136

13-Nov-13

Specialty Analytical

Client: Maul Foster & Alongi

Project: Schmid / 0564.02.01

TestCode: NWTPHDXLL_W

Sample ID: CCV	SampType: CCV	TestCode: NWTPHDXLL	Units: mg/L	Prep Date:	RunNo: 12006						
Client ID: CCV	Batch ID: 6064	TestNo: NWTPH-Dx	SW3510B	Analysis Date: 10/18/2013	SeqNo: 152581						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel	8.46	0.0800	8.120	0	104	85	115				
Lube Oil	3.80	0.200	4.186	0	90.7	85	115				

Sample ID: MB-6064	SampType: MBLK	TestCode: NWTPHDXLL	Units: mg/L	Prep Date: 10/15/2013	RunNo: 12006						
Client ID: PBW	Batch ID: 6064	TestNo: NWTPH-Dx	SW3510B	Analysis Date: 10/18/2013	SeqNo: 152582						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel	ND	0.0800									
Lube Oil	ND	0.200									
Surr: o-Terphenyl	0.148		0.2000		74.2	50	150				

Sample ID: LCS-6064	SampType: LCS	TestCode: NWTPHDXLL	Units: mg/L	Prep Date: 10/15/2013	RunNo: 12006						
Client ID: LCSW	Batch ID: 6064	TestNo: NWTPH-Dx	SW3510B	Analysis Date: 10/19/2013	SeqNo: 152583						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel	1.07	0.0800	1.000	0	107	60.7	121				
Lube Oil	0.853	0.200	1.000	0	85.3	64	126				

Sample ID: LCSD-6064	SampType: LCSD	TestCode: NWTPHDXLL	Units: mg/L	Prep Date: 10/15/2013	RunNo: 12006						
Client ID: LCSS02	Batch ID: 6064	TestNo: NWTPH-Dx	SW3510B	Analysis Date: 10/19/2013	SeqNo: 152584						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:	B	Analyte detected in the associated Method Blank	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted reco

QC SUMMARY REPORT

WO#: 1310136

13-Nov-13

Specialty Analytical

Client: Maul Foster & Alongi

Project: Schmid / 0564.02.01

TestCode: NWTPHDXLL_W

Sample ID: LCSD-6064	SampType: LCSD	TestCode: NWTPHDXLL	Units: mg/L	Prep Date: 10/15/2013	RunNo: 12006						
Client ID: LCSS02	Batch ID: 6064	TestNo: NWTPH-Dx	SW3510B	Analysis Date: 10/19/2013	SeqNo: 152584						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	1.17	0.0800	1.000	0	117	60.7	121	1.071	8.68	20	
Lube Oil	1.03	0.200	1.000	0	103	64	126	0.8525	18.9	20	

Sample ID: CCV	SampType: CCV	TestCode: NWTPHDXLL	Units: mg/L	Prep Date:	RunNo: 12006						
Client ID: CCV	Batch ID: 6064	TestNo: NWTPH-Dx	SW3510B	Analysis Date: 10/19/2013	SeqNo: 152592						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	6.60	0.0800	6.090	0	108	85	115				
Lube Oil	2.91	0.200	3.139	0	92.8	85	115				

Qualifiers: B Analyte detected in the associated Method Blank
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted reco

QC SUMMARY REPORT

WO#: 1310136

13-Nov-13

Specialty Analytical

Client: Maul Foster & Alongi

Project: Schmid / 0564.02.01

TestCode: NWTPHGX_S

Sample ID: CCV	SampType: CCV	TestCode: NWTPHGX_S	Units: mg/Kg	Prep Date:	RunNo: 11999
Client ID: CCV	Batch ID: 6096	TestNo: NWTPH-Gx 5030_G_S	Analysis Date: 10/20/2013	SeqNo: 152459	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Gasoline 105 2.50 100.0 0 105 80 120

Sample ID: LCS-6096	SampType: LCS	TestCode: NWTPHGX_S	Units: mg/Kg	Prep Date: 10/18/2013	RunNo: 11999
Client ID: LCSS	Batch ID: 6096	TestNo: NWTPH-Gx 5030_G_S	Analysis Date: 10/20/2013	SeqNo: 152460	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Gasoline 44.2 2.50 50.00 0 88.4 53.5 121

Sample ID: MB-6096	SampType: MBLK	TestCode: NWTPHGX_S	Units: mg/Kg	Prep Date: 10/18/2013	RunNo: 11999
Client ID: PBS	Batch ID: 6096	TestNo: NWTPH-Gx 5030_G_S	Analysis Date: 10/20/2013	SeqNo: 152461	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Gasoline ND 2.50
Surr: 4-Bromofluorobenzene 3.22 5.000 64.4 50 150

Sample ID: 1310114-009ADUP	SampType: DUP	TestCode: NWTPHGX_S	Units: mg/Kg-dry	Prep Date: 10/18/2013	RunNo: 11999
Client ID: ZZZZZZ	Batch ID: 6096	TestNo: NWTPH-Gx 5030_G_S	Analysis Date: 10/20/2013	SeqNo: 152464	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Gasoline ND 3.36 0 0 20

Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit Page 18 of 26
O RSD is greater than RSDlimit R RPD outside accepted recovery limits S Spike Recovery outside accepted reco

QC SUMMARY REPORT

WO#: 1310136

13-Nov-13

Specialty Analytical

Client: Maul Foster & Alongi

Project: Schmid / 0564.02.01

TestCode: NWTPHGX_S

Sample ID: 1310149-009ADUP	SampType: DUP	TestCode: NWTPHGX_S	Units: mg/Kg-dry	Prep Date: 10/18/2013	RunNo: 11999						
Client ID: ZZZZZZ	Batch ID: 6096	TestNo: NWTPH-Gx	5030_G_S	Analysis Date: 10/20/2013	SeqNo: 152466						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	4.67	2.79						6.181	27.9	20	RF

Sample ID: CCV	SampType: CCV	TestCode: NWTPHGX_S	Units: mg/Kg	Prep Date:	RunNo: 11999						
Client ID: CCV	Batch ID: 6096	TestNo: NWTPH-Gx	5030_G_S	Analysis Date: 10/20/2013	SeqNo: 152480						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	146	2.50	150.0	0	97.5	80	120				

Qualifiers: B Analyte detected in the associated Method Blank
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted reco

QC SUMMARY REPORT

WO#: 1310136

13-Nov-13

Specialty Analytical

Client: Maul Foster & Alongi

Project: Schmid / 0564.02.01

TestCode: PAHLL_S

Sample ID: 2.0 MSSWS-1283S	SampType: CCV	TestCode: PAHLL_S	Units: µg/Kg	Prep Date:	RunNo: 12133						
Client ID: CCV	Batch ID: 6158	TestNo: SW8270D	SW 3545A	Analysis Date: 10/29/2013	SeqNo: 154686						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	122	6.67	133.3	0	91.5	80	120				
Acenaphthylene	126	6.67	133.3	0	94.5	80	120				
Anthracene	120	6.67	133.3	0	90.0	80	120				
Benz(a)anthracene	117	6.67	133.3	0	88.0	80	120				
Benzo(a)pyrene	110	6.67	133.3	0	82.5	80	120				
Benzo(b)fluoranthene	117	6.67	133.3	0	88.0	80	120				
Benzo(g,h,i)perylene	126	6.67	133.3	0	94.5	80	120				
Benzo(k)fluoranthene	118	6.67	133.3	0	88.5	80	120				
Chrysene	131	6.67	133.3	0	98.5	80	120				
Dibenz(a,h)anthracene	123	6.67	133.3	0	92.0	80	120				
Fluoranthene	128	6.67	133.3	0	96.0	80	120				
Fluorene	131	6.67	133.3	0	98.5	80	120				
Indeno(1,2,3-cd)pyrene	125	6.67	133.3	0	93.5	80	120				
Naphthalene	126	6.67	133.3	0	94.5	80	120				
Phenanthrene	129	6.67	133.3	0	97.0	80	120				
Pvrene	125	6.67	133.3	0	93.5	80	120				

Sample ID: MB-6158	SampType: MBLK	TestCode: PAHLL_S	Units: µg/Kg	Prep Date: 10/29/2013	RunNo: 12133						
Client ID: PBS	Batch ID: 6158	TestNo: SW8270D	SW 3545A	Analysis Date: 10/29/2013	SeqNo: 154687						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	6.67									
Acenaphthylene	ND	6.67									
Anthracene	ND	6.67									

Qualifiers: B Analyte detected in the associated Method Blank
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted reco

QC SUMMARY REPORT

WO#: 1310136

13-Nov-13

Specialty Analytical

Client: Maul Foster & Alongi

Project: Schmid / 0564.02.01

TestCode: PAHLL_S

Sample ID: MB-6158	SampType: MBLK	TestCode: PAHLL_S	Units: µg/Kg	Prep Date: 10/29/2013	RunNo: 12133						
Client ID: PBS	Batch ID: 6158	TestNo: SW8270D	SW 3545A	Analysis Date: 10/29/2013	SeqNo: 154687						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	ND	6.67									
Benzo(a)pyrene	ND	6.67									
Benzo(b)fluoranthene	ND	6.67									
Benzo(g,h,i)perylene	ND	6.67									
Benzo(k)fluoranthene	ND	6.67									
Chrysene	ND	6.67									
Dibenz(a,h)anthracene	ND	6.67									
Fluoranthene	ND	6.67									
Fluorene	ND	6.67									
Indeno(1,2,3-cd)pyrene	ND	6.67									
Naphthalene	ND	6.67									
Phenanthrene	ND	6.67									
Pyrene	ND	6.67									
Surr: 2-Fluorobiphenyl	5860		6667		87.9	42.6	128				
Surr: Nitrobenzene-d5	6050		6667		90.7	21.7	155				
Surr: p-Terphenyl-d14	6450		6667		96.8	44.9	155				

Sample ID: LCS-6158	SampType: LCS	TestCode: PAHLL_S	Units: µg/Kg	Prep Date: 10/29/2013	RunNo: 12133						
Client ID: LCSS	Batch ID: 6158	TestNo: SW8270D	SW 3545A	Analysis Date: 10/29/2013	SeqNo: 154688						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	233	6.67	333.4	0	70.0	39.6	107				
Acenaphthylene	241	6.67	333.4	0	72.2	38.9	102				
Anthracene	262	6.67	333.4	0	78.6	43.4	119				

Qualifiers: B Analyte detected in the associated Method Blank
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted reco

QC SUMMARY REPORT

WO#: 1310136

13-Nov-13

Specialty Analytical

Client: Maul Foster & Alongi

Project: Schmid / 0564.02.01

TestCode: PAHLL_S

Sample ID: LCS-6158	SampType: LCS	TestCode: PAHLL_S	Units: µg/Kg	Prep Date: 10/29/2013	RunNo: 12133						
Client ID: LCSS	Batch ID: 6158	TestNo: SW8270D	SW 3545A	Analysis Date: 10/29/2013	SeqNo: 154688						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	251	6.67	333.4	0	75.4	48.4	121				
Benzo(a)pyrene	233	6.67	333.4	0	70.0	37.7	137				
Benzo(b)fluoranthene	251	6.67	333.4	0	75.4	58.6	117				
Benzo(g,h,i)perylene	269	6.67	333.4	0	80.6	49.7	135				
Benzo(k)fluoranthene	258	6.67	333.4	0	77.4	46.1	124				
Chrysene	271	6.67	333.4	0	81.2	57.1	130				
Dibenz(a,h)anthracene	261	6.67	333.4	0	78.2	44.2	124				
Fluoranthene	270	6.67	333.4	0	81.0	53.4	113				
Fluorene	247	6.67	333.4	0	74.0	37.1	114				
Indeno(1,2,3-cd)pyrene	261	6.67	333.4	0	78.4	47.9	121				
Naphthalene	191	6.67	333.4	0	57.2	29.1	109				
Phenanthrene	289	6.67	333.4	0	86.6	48.4	115				
Pyrene	274	6.67	333.4	0	82.2	47.2	134				

Sample ID: 1310248-001BMS	SampType: MS	TestCode: PAHLL_S	Units: µg/Kg	Prep Date: 10/29/2013	RunNo: 12133						
Client ID: ZZZZZZ	Batch ID: 6158	TestNo: SW8270D	SW 3545A	Analysis Date: 10/29/2013	SeqNo: 154692						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	161	6.67	333.4	0	48.2	33.7	111				
Acenaphthylene	164	6.67	333.4	0	49.2	32.3	125				
Anthracene	221	6.67	333.4	2.667	65.6	42.7	121				
Benz(a)anthracene	232	6.67	333.4	6.000	67.8	63.4	121				
Benzo(a)pyrene	225	6.67	333.4	7.333	65.4	64.6	110				
Benzo(b)fluoranthene	224	6.67	333.4	14.00	63.0	41.6	172				

Qualifiers: B Analyte detected in the associated Method Blank
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted reco

QC SUMMARY REPORT

WO#: 1310136

13-Nov-13

Specialty Analytical

Client: Maul Foster & Alongi

Project: Schmid / 0564.02.01

TestCode: PAHLL_S

Sample ID: 1310248-001BMS	SampType: MS	TestCode: PAHLL_S	Units: µg/Kg	Prep Date: 10/29/2013	RunNo: 12133						
Client ID: ZZZZZZ	Batch ID: 6158	TestNo: SW8270D	SW 3545A	Analysis Date: 10/29/2013	SeqNo: 154692						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(g,h,i)perylene	251	6.67	333.4	8.000	72.8	15	128				
Benzo(k)fluoranthene	225	6.67	333.4	0	67.6	47.9	140				
Chrysene	245	6.67	333.4	8.000	71.2	37.5	125				
Dibenz(a,h)anthracene	239	6.67	333.4	0	71.6	23.6	125				
Fluoranthene	249	6.67	333.4	10.00	71.8	56.8	141				
Fluorene	186	6.67	333.4	0	55.8	48.6	117				
Indeno(1,2,3-cd)pyrene	239	6.67	333.4	7.333	69.6	26.8	133				
Naphthalene	122	6.67	333.4	0	36.6	27.7	108				
Phenanthrene	216	6.67	333.4	0	64.8	20.2	139				
Pyrene	249	6.67	333.4	10.00	71.8	26.8	142				

Sample ID: 1310248-001BMSD	SampType: MSD	TestCode: PAHLL_S		Units: µg/Kg	Prep Date: 10/29/2013			RunNo: 12133			
Client ID: ZZZZZZ	Batch ID: 6158	TestNo: SW8270D		SW 3545A	Analysis Date: 10/29/2013			SeqNo: 154693			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	224	6.67	333.4	0	67.2	33.7	111	160.7	32.9	20	R
Acenaphthylene	223	6.67	333.4	0	66.8	32.3	125	164.0	30.3	20	R
Anthracene	279	6.67	333.4	2.667	82.8	42.7	121	221.3	22.9	20	R
Benz(a)anthracene	274	6.67	333.4	6.000	80.4	63.4	121	232.0	16.6	20	
Benzo(a)pyrene	269	6.67	333.4	7.333	78.6	64.6	110	225.3	17.8	20	
Benzo(b)fluoranthene	250	6.67	333.4	14.00	70.8	41.6	172	224.0	11.0	20	
Benzo(g,h,i)perylene	299	6.67	333.4	8.000	87.2	15	128	250.7	17.5	20	
Benzo(k)fluoranthene	269	6.67	333.4	0	80.6	47.9	140	225.3	17.5	20	
Chrysene	293	6.67	333.4	8.000	85.4	37.5	125	245.3	17.6	20	

Qualifiers: B Analyte detected in the associated Method Blank
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted reco

Page 23 of 26

QC SUMMARY REPORT

WO#: 1310136

13-Nov-13

Specialty Analytical

Client: Maul Foster & Alongi

Project: Schmid / 0564.02.01

TestCode: PAHLL_S

Sample ID: 1310248-001BMSD	SampType: MSD	TestCode: PAHLL_S	Units: µg/Kg	Prep Date: 10/29/2013	RunNo: 12133						
Client ID: ZZZZZZ	Batch ID: 6158	TestNo: SW8270D	SW 3545A	Analysis Date: 10/29/2013	SeqNo: 154693						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibenz(a,h)anthracene	281	6.67	333.4	0	84.2	23.6	125	238.7	16.2	20	
Fluoranthene	300	6.67	333.4	10.00	87.0	56.8	141	249.3	18.4	20	
Fluorene	251	6.67	333.4	0	75.4	48.6	117	186.0	29.9	20	R
Indeno(1,2,3-cd)pyrene	283	6.67	333.4	7.333	82.8	26.8	133	239.3	16.8	20	
Naphthalene	169	6.67	333.4	0	50.8	27.7	108	122.0	32.5	20	R
Phenanthrene	273	6.67	333.4	0	82.0	20.2	139	216.0	23.4	20	R
Pyrene	300	6.67	333.4	10.00	87.0	26.8	142	249.3	18.4	20	

Sample ID: CCV-6158	SampType: CCV	TestCode: PAHLL_S	Units: µg/Kg	Prep Date:	RunNo: 12133						
Client ID: CCV	Batch ID: 6158	TestNo: SW8270D	SW 3545A	Analysis Date: 11/4/2013	SeqNo: 155913						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Methylnaphthalene	136	6.67	133.3	0	102	80	120				
2-Methylnaphthalene	116	6.67	133.3	0	87.0	80	120				
Acenaphthene	126	6.67	133.3	0	94.5	80	120				
Acenaphthylene	125	6.67	133.3	0	93.5	80	120				
Anthracene	116	6.67	133.3	0	87.0	80	120				
Benz(a)anthracene	118	6.67	133.3	0	88.5	80	120				
Benzo(a)pyrene	115	6.67	133.3	0	86.5	80	120				
Benzo(b)fluoranthene	125	6.67	133.3	0	94.0	80	120				
Benzo(g,h,i)perylene	126	6.67	133.3	0	94.5	80	120				
Benzo(k)fluoranthene	127	6.67	133.3	0	95.5	80	120				
Chrysene	134	6.67	133.3	0	100	80	120				
Dibenz(a,h)anthracene	123	6.67	133.3	0	92.5	80	120				

Qualifiers: B Analyte detected in the associated Method Blank
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted reco

QC SUMMARY REPORT

WO#: 1310136

13-Nov-13

Specialty Analytical

Client: Maul Foster & Alongi

Project: Schmid / 0564.02.01

TestCode: PAHLL_S

Sample ID: CCV-6158	SampType: CCV	TestCode: PAHLL_S	Units: µg/Kg	Prep Date:	RunNo: 12133						
Client ID: CCV	Batch ID: 6158	TestNo: SW8270D	SW 3545A	Analysis Date: 11/4/2013	SeqNo: 155913						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluoranthene	134	6.67	133.3	0	100	80	120				
Fluorene	135	6.67	133.3	0	101	80	120				
Indeno(1,2,3-cd)pyrene	123	6.67	133.3	0	92.5	80	120				
Naphthalene	127	6.67	133.3	0	95.0	80	120				
Phenanthrene	135	6.67	133.3	0	101	80	120				
Pvrene	131	6.67	133.3	0	98.0	80	120				

Sample ID: CCB-6158	SampType: CCB	TestCode: PAHLL_S	Units: µg/Kg	Prep Date:	RunNo: 12133						
Client ID: CCB	Batch ID: 6158	TestNo: SW8270D	SW 3545A	Analysis Date: 11/4/2013	SeqNo: 155914						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Methylnaphthalene	ND	6.67									
2-Methylnaphthalene	ND	6.67									
Acenaphthene	ND	6.67									
Acenaphthylene	ND	6.67									
Anthracene	ND	6.67									
Benz(a)anthracene	ND	6.67									
Benzo(a)pyrene	ND	6.67									
Benzo(b)fluoranthene	ND	6.67									
Benzo(g,h,i)perylene	ND	6.67									
Benzo(k)fluoranthene	ND	6.67									
Carbazole	ND	6.67									
Chrysene	ND	6.67									
Dibenz(a,h)anthracene	ND	6.67									

Qualifiers: B Analyte detected in the associated Method Blank
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted reco

QC SUMMARY REPORT

WO#: 1310136

13-Nov-13

Specialty Analytical

Client: Maul Foster & Alongi

Project: Schmid / 0564.02.01

TestCode: PAHLL_S

Sample ID: CCB-6158	SampType: CCB	TestCode: PAHLL_S	Units: µg/Kg	Prep Date:	RunNo: 12133						
Client ID: CCB	Batch ID: 6158	TestNo: SW8270D	SW 3545A	Analysis Date: 11/4/2013	SeqNo: 155914						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibenzofuran	ND	6.67									
Fluoranthene	ND	6.67									
Fluorene	ND	6.67									
Indeno(1,2,3-cd)pyrene	ND	6.67									
Naphthalene	ND	6.67									
Phenanthrene	ND	6.67									
Pyrene	ND	6.67									
Surr: 2-Fluorobiphenyl	3600		6667		54.0	42.6	128				
Surr: Nitrobenzene-d5	3600		6667		54.0	21.7	155				
Surr: p-Terphenyl-d14	4680		6667		70.1	44.9	155				

Qualifiers: B Analyte detected in the associated Method Blank
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

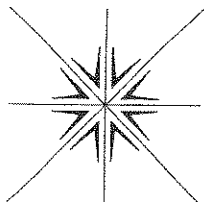
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted reco

KEY TO FLAGS

Rev. May 12, 2010

- A This sample contains a Gasoline Range Organic not identified as a specific hydrocarbon product. The result was quantified against gasoline calibration standards
- A1 This sample contains a Diesel Range Organic not identified as a specific hydrocarbon product. The result was quantified against diesel calibration standards.
- A2 This sample contains a Lube Oil Range Organic not identified as a specific hydrocarbon product. The result was quantified against a lube oil calibration standard.
- A3 The result was determined to be Non-Detect based on hydrocarbon pattern recognition. The product was carry-over from another hydrocarbon type.
- A4 The product appears to be aged or degraded diesel.
- B The blank exhibited a positive result great than the reporting limit for this compound.
- CN See Case Narrative.
- D Result is based from a dilution.
- E Result exceeds the calibration range for this compound. The result should be considered as estimate.
- F The positive result for this hydrocarbon is due to single component contamination. The product does not match any hydrocarbon in the fuels library.
- G Result may be biased high due to biogenic interferences. Clean up is recommended.
- H Sample was analyzed outside recommended holding time.
- HT At clients request, samples was analyzed outside of recommended holding time.
- J The result for this analyte is between the MDL and the PQL and should be considered as estimated concentration.
- K Diesel result is biased high due to amount of Oil contained in the sample.
- L Diesel result is biased high due to amount of Gasoline contained in the sample.
- M Oil result is biased high due to amount of Diesel contained in the sample.
- MC Sample concentration is greater than 4x the spiked value, the spiked value is considered insignificant.
- MI Result is outside control limits due to matrix interference.
- MSA Value determined by Method of Standard Addition.
- O Laboratory Control Standard (LCS) exceeded laboratory control limits, but meets CCV criteria. Data meets EPA requirements.
- Q Detection levels elevated due to sample matrix.
- R RPD control limits were exceeded.
- RF Duplicate failed due to result being at or near the method-reporting limit.
- RP Matrix spike values exceed established QC limits; post digestion spike is in control.
- S Recovery is outside control limits.
- SC Closing CCV or LCS exceeded high recovery control limits, but associated samples are non-detect. Data meets EPA requirements.
- * The result for this parameter was greater than the maximum contaminant level of the TCLP regulatory limit.

Page 1 of 3



11711 SE Capps Road
Clackamas, OR 97015
Phone: 503-607-1331
Fax: 503-607-1336

Company MFA U

Address 400 E Mill Plain Blvd Suite 400

Phone 360 433 0217 Fax _____

Project No. 0564,02.01 Project Name Schmid

Project Site Location OR _____ WA X Other _____

Invoice To **MFA** P.O. No. _____

Signature _____

Printed Andrew V. Doucek

Signature Shirley H. H. H.

Printed SHARLENE HARVESTER

☒ ~~Normal~~ 5-7 Business Days

☐ Rush _____

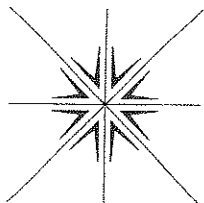
Specify

Rush Analyses Must Be Scheduled With The Lab In Advance

Signature <u>Shelly [Signature]</u> Printed <u>CHARLENE HARVESTER</u>														For Laboratory Use Lab Job No. <u>BOP-6</u> Shipped Via <u>Specialty</u> Air Bill No. _____ Temperature On Receipt <u>6</u> °C Specialty Analytical Containers? Y / N Specialty Analytical Trip Blanks? Y / N		
Turn Around Time ☒ Normal 5-7 Business Days ☐ Rush _____ Specify _____ Rush Analyses Must Be Scheduled With The Lab In Advance				No. of Containers	Analyses										Comments	Lab I.D.
Date	Time	Sample I.D.	Matrix			Dx	Gx	PAHS	VOCs	* Dissolved Metals	HCD	PGB				
10/11/13	0835	GP22-S-2	S	2									* Field Filtered.			
	0910	GP22-S-12	S	2									Archive all unanalyzed			
	0840	GP22-S-5	S	2						X		X	samples for potential			
	0905	GP22-S-13.5	S	2						X		X	follow-up analyses.			
	0920	GP22-S-18	S	2								X				
	1000	GP22-S-22	S	2												
	1015	GP22-W	W	7												
	0935	TP-S-3	S	2												
	1010	TP-S-4	S	2												
	1030	TP-S-3A	S	2	X											
	1037	TP-S-2.5	S	2	X											
	1050	TP-S-2.5A	S	2	X											
Relinquished By: Andrew V. Bock Company: NEA				Date: 10/11/13	Time: 1800	Received By: Mike Bopper Company: Specialty				Relinquished By: Mike Bopper Company: Specialty				Date: 10/15/13	Time: 12:15	
Unless Reclaimed, Samples Will Be Disposed of 60 Days After Receipt. Samples held beyond 60 days subject to storage fee(s)						Received For Lab By: Cynthia Hazard				Date: 10/15/13	Time: 12:15					

CHAIN OF CUSTODY RECORD

Page 2 of 3



Specialty Analytical

11711 SE Capps Road
Clackamas, OR 97015
Phone: 503-607-1331
Fax: 503-607-1336

Contact Person/Project Manager Alan Hughes

Company MFA

Address 400 E Mill Plain Blvd Suite 400
Vancouver WA 98660

Phone 360 433 0217 Fax _____

Project No. 0564-02-01 Project Name Schmid

Project Site Location OR _____ WA X Other _____

Invoice To MFA P.O. No. _____

Collected By: _____

Signature _____

Printed Andrew Vidorek

Signature _____

Printed SHARLENE HARVESTER

Turn Around Time

☒ Normal 5-7 Business Days

☐ Rush _____

Specify

Rush Analyses Must Be Scheduled With The Lab In Advance

No. of Containers	Analyses										For Laboratory Use	
	Dx	Gx	PAHS	VOCs	* Dissolved Metals						Lab Job No.	Shipped Via
											<u>131036</u>	<u>Specialty</u>
											Air Bill No.	
											Temperature On Receipt <u>6</u> °C	
											Specialty Analytical Containers? Y / N	
											Specialty Analytical Trip Blanks? Y / N	
Date	Time	Sample I.D.	Matrix								Comments	Lab I.D.
10/11/13	1110	TP-S-2.5B	S	2							*Field filtered.	
	1130	TP-S-2.5C	S	2	X							
	1140	TP-S-9.5	S	2	X							
	1140	GP26-S-2	S	2								
	1145	GP26-S-5	S	2								
	1200	GP26-S-10	S	2								
	1220	GP26-S-17	S	2								
	1300	GP26-W	W	6	X							
	1350	GP27-S-2	S	2								
	1405	GP27-S-5	S	2								
	1415	GP27-S-10	S	2								
	1445	GP27-S-12	S	2								

Relinquished By: Andrew Vidorek
Company: MFA

Date 10/11/13 Time 1800

Received By: Nikki Byppe
Company: Specialty

Relinquished By: Nikki Byppe
Company: Specialty

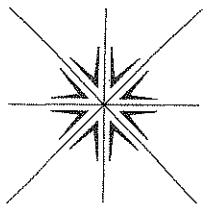
Date 10/15/13 Time 1215

Unless Reclaimed, Samples Will Be Disposed of 60 Days After Receipt.
Samples held beyond 60 days subject to storage fee(s)

Received For Lab By: Cindy Haggard

Date 10/15/13 Time 1215

Page 3 of 3



11711 SE Capps Road
Clackamas, OR 97015
Phone: 503-607-1331
Fax: 503-607-1336

Contact Person/Project Manager Alan Hughes
Company MFA
Address 400 E. Mill Plain Blvd Suite 400
Vancouver, WA 98660
Phone 360 433 0217 Fax _____
Project No. 0564.02.01-02 Project Name Schmidt
Project Site Location OR _____ WA X Other _____
Invoice To MFA P.O. No. _____

Signature:

Printed:

Signature_____

Printed_

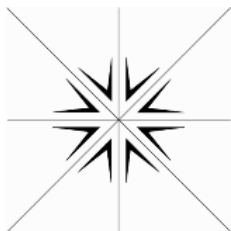
☒ Normal 5-7 Business Days

☐ Rush

Specify

Rush Analyses Must Be Scheduled With The Lab In Advance

[illegible]



Specialty Analytical

11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

November 13, 2013

Alan Hughes
Maul Foster & Alongi
400 E. Mill Plain Blvd.
Suite 400
Vancouver, WA 98660
TEL: (360) 694-2691
FAX (360) 906-1958
RE: Schmid / 0564.02.01

Dear Alan Hughes:

Order No.: 1310150

Specialty Analytical received 17 sample(s) on 10/16/2013 for the analyses presented in the following report.

There were no problems with the analysis and all data for associated QC met EPA or laboratory specifications, except where noted in the Case Narrative, or as qualified with flags. Results apply only to the samples analyzed. Without approval of the laboratory, the reproduction of this report is only permitted in its entirety.

If you have any questions regarding these tests, please feel free to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Marty French". The signature is stylized with a cursive, flowing script.

Marty French
Lab Director

Specialty Analytical

Date Reported: 13-Nov-13

CLIENT: Maul Foster & Alongi
Project: Schmid / 0564.02.01

Lab Order: 1310150

Lab ID: 1310150-001

Collection Date: 10/14/2013 3:45:00 PM

Client Sample ID: GP21-W

Matrix: WATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-DX - RBC		NWTPH-DX		Analyst: ZP		
Diesel	1.78	0.0772	A1	mg/L	1	10/19/2013 9:30:54 AM
Lube Oil	0.343	0.193	A2	mg/L	1	10/19/2013 9:30:54 AM
Surr: o-Terphenyl	129	50-150		%REC	1	10/19/2013 9:30:54 AM
NWTPH-GX		NWTPH-GX		Analyst: JRC		
Gasoline	587	100	HT	µg/L	1	10/29/2013 2:36:00 PM
Surr: 4-Bromofluorobenzene	105	50-150	HT	%REC	1	10/29/2013 2:36:00 PM
ICP/MS METALS-DISSOLVED RECOVERABLE		SW6020A		Analyst: ZL		
Lead	1.68	0.100		µg/L	1	10/30/2013 4:00:00 PM
PAH'S BY GC/MS- LOW LEVEL		SW8270D		Analyst: bda		
1-Methylnaphthalene	12.0	0.0200	HT	µg/L	1	11/5/2013 3:45:00 PM
2-Methylnaphthalene	0.575	0.0200	HT	µg/L	1	11/5/2013 3:45:00 PM
Acenaphthene	1.38	0.0200	HT	µg/L	1	11/5/2013 3:45:00 PM
Acenaphthylene	ND	0.0200	HT	µg/L	1	11/5/2013 3:45:00 PM
Anthracene	0.296	0.0200	HT	µg/L	1	11/5/2013 3:45:00 PM
Benz(a)anthracene	0.0442	0.0180	HT	µg/L	1	11/5/2013 3:45:00 PM
Benzo(a)pyrene	ND	0.0180	HT	µg/L	1	11/5/2013 3:45:00 PM
Benzo(b)fluoranthene	0.0206	0.0180	HT	µg/L	1	11/5/2013 3:45:00 PM
Benzo(g,h,i)perylene	ND	0.0180	HT	µg/L	1	11/5/2013 3:45:00 PM
Benzo(k)fluoranthene	ND	0.0180	HT	µg/L	1	11/5/2013 3:45:00 PM
Chrysene	0.0526	0.0180	HT	µg/L	1	11/5/2013 3:45:00 PM
Dibenz(a,h)anthracene	ND	0.0180	HT	µg/L	1	11/5/2013 3:45:00 PM
Fluoranthene	0.133	0.0200	HT	µg/L	1	11/5/2013 3:45:00 PM
Fluorene	3.15	0.0200	HT	µg/L	1	11/5/2013 3:45:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.0180	HT	µg/L	1	11/5/2013 3:45:00 PM
Naphthalene	0.249	0.0200	HT	µg/L	1	11/5/2013 3:45:00 PM
Phenanthrene	3.94	0.0200	HT	µg/L	1	11/5/2013 3:45:00 PM
Pyrene	0.291	0.0200	HT	µg/L	1	11/5/2013 3:45:00 PM
Surr: 2-Fluorobiphenyl	61.6	18.6-106	HT	%REC	1	11/5/2013 3:45:00 PM
Surr: Nitrobenzene-d5	65.1	17-130	HT	%REC	1	11/5/2013 3:45:00 PM
Surr: p-Terphenyl-d14	79.1	39.6-131	HT	%REC	1	11/5/2013 3:45:00 PM
VOLATILE ORGANICS BY GC/MS		SW8260B		Analyst: CK		
1,1,1,2-Tetrachloroethane	ND	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
1,1,1-Trichloroethane	ND	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
1,1,2,2-Tetrachloroethane	ND	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM

Specialty Analytical

Date Reported: 13-Nov-13

CLIENT: Maul Foster & Alongi
Project: Schmid / 0564.02.01

Lab Order: 1310150

VOLATILE ORGANICS BY GC/MS

SW8260B

Analyst: CK

1,1,2-Trichloroethane	ND	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
1,1-Dichloroethane	ND	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
1,1-Dichloroethene	ND	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
1,1-Dichloropropene	ND	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
1,2,3-Trichlorobenzene	ND	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
1,2,3-Trichloropropane	ND	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
1,2,4-Trichlorobenzene	ND	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
1,2,4-Trimethylbenzene	ND	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
1,2-Dibromo-3-chloropropane	ND	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
1,2-Dibromoethane	ND	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
1,2-Dichlorobenzene	ND	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
1,2-Dichloroethane	ND	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
1,2-Dichloropropane	ND	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
1,3,5-Trimethylbenzene	ND	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
1,3-Dichlorobenzene	ND	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
1,3-Dichloropropane	ND	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
1,4-Dichlorobenzene	ND	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
2,2-Dichloropropane	ND	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
2-Butanone	ND	10.0	HT	µg/L	1	10/29/2013 2:27:00 PM
2-Chlorotoluene	ND	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
2-Hexanone	ND	10.0	HT	µg/L	1	10/29/2013 2:27:00 PM
4-Chlorotoluene	ND	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
4-Isopropyltoluene	ND	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
4-Methyl-2-pentanone	ND	20.0	HT	µg/L	1	10/29/2013 2:27:00 PM
Acetone	ND	50.0	HT	µg/L	1	10/29/2013 2:27:00 PM
Acrylonitrile	ND	5.00	HT	µg/L	1	10/29/2013 2:27:00 PM
Benzene	ND	0.300	HT	µg/L	1	10/29/2013 2:27:00 PM
Bromobenzene	ND	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
Bromochloromethane	ND	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
Bromodichloromethane	ND	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
Bromoform	ND	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
Bromomethane	ND	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
Carbon disulfide	ND	2.00	HT	µg/L	1	10/29/2013 2:27:00 PM
Carbon tetrachloride	ND	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
Chlorobenzene	ND	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
Chloroethane	ND	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
Chloroform	ND	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
Chloromethane	ND	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
cis-1,2-Dichloroethene	ND	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
cis-1,3-Dichloropropene	ND	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
Dibromochloromethane	ND	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
Dibromomethane	ND	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
Dichlorodifluoromethane	ND	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM

Specialty Analytical

Date Reported: 13-Nov-13

CLIENT: Maul Foster & Alongi
Project: Schmid / 0564.02.01

Lab Order: 1310150

VOLATILE ORGANICS BY GC/MS

SW8260B

Analyst: CK

Ethylbenzene	ND	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
Hexachlorobutadiene	ND	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
Isopropylbenzene	1.13	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
m,p-Xylene	ND	2.00	HT	µg/L	1	10/29/2013 2:27:00 PM
Methyl tert-butyl ether	ND	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
Methylene chloride	ND	20.0	HT	µg/L	1	10/29/2013 2:27:00 PM
Naphthalene	ND	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
n-Butylbenzene	1.58	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
n-Propylbenzene	2.40	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
o-Xylene	ND	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
sec-Butylbenzene	2.84	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
Styrene	ND	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
tert-Butylbenzene	ND	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
Tetrachloroethene	ND	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
Toluene	ND	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
trans-1,2-Dichloroethene	ND	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
trans-1,3-Dichloropropene	ND	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
Trichloroethene	ND	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
Trichlorofluoromethane	ND	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
Vinyl chloride	ND	1.00	HT	µg/L	1	10/29/2013 2:27:00 PM
Surr: 1,2-Dichloroethane-d4	98.4	85.3-116	HT	%REC	1	10/29/2013 2:27:00 PM
Surr: 4-Bromofluorobenzene	100	88.1-120	HT	%REC	1	10/29/2013 2:27:00 PM
Surr: Dibromofluoromethane	102	94.2-122	HT	%REC	1	10/29/2013 2:27:00 PM
Surr: Toluene-d8	97.1	86.2-135	HT	%REC	1	10/29/2013 2:27:00 PM

Specialty Analytical

Date Reported: 13-Nov-13

CLIENT: Maul Foster & Alongi
Project: Schmid / 0564.02.01

Lab Order: 1310150

Lab ID: 1310150-002

Collection Date: 10/14/2013 4:30:00 PM

Client Sample ID: GP18-W

Matrix: WATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-DX - RBC		NWTPH-DX		Analyst: ZP		
Diesel	3.23	0.0811	A1	mg/L	1	10/19/2013 9:52:37 AM
Lube Oil	ND	0.203		mg/L	1	10/19/2013 9:52:37 AM
Surr: o-Terphenyl	140	50-150		%REC	1	10/19/2013 9:52:37 AM
NWTPH-GX		NWTPH-GX		Analyst: JRC		
Gasoline	ND	100	HT	µg/L	1	10/29/2013 3:06:00 PM
Surr: 4-Bromofluorobenzene	102	50-150	HT	%REC	1	10/29/2013 3:06:00 PM
ICP/MS METALS-DISSOLVED RECOVERABLE		SW6020A		Analyst: ZL		
Lead	0.285	0.100		µg/L	1	10/30/2013 3:52:00 PM
PAH'S BY GC/MS- LOW LEVEL		SW8270D		Analyst: bda		
1-Methylnaphthalene	0.354	0.0205	HT	µg/L	1	11/5/2013 3:19:00 PM
2-Methylnaphthalene	ND	0.0205	HT	µg/L	1	11/5/2013 3:19:00 PM
Acenaphthene	0.169	0.0205	HT	µg/L	1	11/5/2013 3:19:00 PM
Acenaphthylene	ND	0.0205	HT	µg/L	1	11/5/2013 3:19:00 PM
Anthracene	ND	0.0205	HT	µg/L	1	11/5/2013 3:19:00 PM
Benz(a)anthracene	0.0353	0.0185	HT	µg/L	1	11/5/2013 3:19:00 PM
Benzo(a)pyrene	ND	0.0185	HT	µg/L	1	11/5/2013 3:19:00 PM
Benzo(b)fluoranthene	ND	0.0185	HT	µg/L	1	11/5/2013 3:19:00 PM
Benzo(g,h,i)perylene	ND	0.0185	HT	µg/L	1	11/5/2013 3:19:00 PM
Benzo(k)fluoranthene	ND	0.0185	HT	µg/L	1	11/5/2013 3:19:00 PM
Chrysene	ND	0.0185	HT	µg/L	1	11/5/2013 3:19:00 PM
Dibenz(a,h)anthracene	ND	0.0185	HT	µg/L	1	11/5/2013 3:19:00 PM
Fluoranthene	0.0716	0.0205	HT	µg/L	1	11/5/2013 3:19:00 PM
Fluorene	0.400	0.0205	HT	µg/L	1	11/5/2013 3:19:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.0185	HT	µg/L	1	11/5/2013 3:19:00 PM
Naphthalene	0.0586	0.0205	HT	µg/L	1	11/5/2013 3:19:00 PM
Phenanthrene	0.105	0.0205	HT	µg/L	1	11/5/2013 3:19:00 PM
Pyrene	0.0783	0.0205	HT	µg/L	1	11/5/2013 3:19:00 PM
Surr: 2-Fluorobiphenyl	70.8	18.6-106	HT	%REC	1	11/5/2013 3:19:00 PM
Surr: Nitrobenzene-d5	68.0	17-130	HT	%REC	1	11/5/2013 3:19:00 PM
Surr: p-Terphenyl-d14	92.4	39.6-131	HT	%REC	1	11/5/2013 3:19:00 PM
VOLATILE ORGANICS BY GC/MS		SW8260B		Analyst: CK		
1,1,1,2-Tetrachloroethane	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
1,1,1-Trichloroethane	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
1,1,2,2-Tetrachloroethane	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM

Specialty Analytical

Date Reported: 13-Nov-13

CLIENT: Maul Foster & Alongi
Project: Schmid / 0564.02.01

Lab Order: 1310150

VOLATILE ORGANICS BY GC/MS

SW8260B

Analyst: CK

1,1,2-Trichloroethane	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
1,1-Dichloroethane	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
1,1-Dichloroethene	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
1,1-Dichloropropene	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
1,2,3-Trichlorobenzene	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
1,2,3-Trichloropropane	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
1,2,4-Trichlorobenzene	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
1,2,4-Trimethylbenzene	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
1,2-Dibromo-3-chloropropane	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
1,2-Dibromoethane	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
1,2-Dichlorobenzene	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
1,2-Dichloroethane	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
1,2-Dichloropropane	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
1,3,5-Trimethylbenzene	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
1,3-Dichlorobenzene	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
1,3-Dichloropropane	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
1,4-Dichlorobenzene	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
2,2-Dichloropropane	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
2-Butanone	ND	10.0	HT	µg/L	1	10/29/2013 2:49:00 PM
2-Chlorotoluene	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
2-Hexanone	ND	10.0	HT	µg/L	1	10/29/2013 2:49:00 PM
4-Chlorotoluene	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
4-Isopropyltoluene	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
4-Methyl-2-pentanone	ND	20.0	HT	µg/L	1	10/29/2013 2:49:00 PM
Acetone	ND	50.0	HT	µg/L	1	10/29/2013 2:49:00 PM
Acrylonitrile	ND	5.00	HT	µg/L	1	10/29/2013 2:49:00 PM
Benzene	ND	0.300	HT	µg/L	1	10/29/2013 2:49:00 PM
Bromobenzene	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
Bromochloromethane	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
Bromodichloromethane	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
Bromoform	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
Bromomethane	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
Carbon disulfide	ND	2.00	HT	µg/L	1	10/29/2013 2:49:00 PM
Carbon tetrachloride	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
Chlorobenzene	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
Chloroethane	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
Chloroform	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
Chloromethane	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
cis-1,2-Dichloroethene	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
cis-1,3-Dichloropropene	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
Dibromochloromethane	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
Dibromomethane	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
Dichlorodifluoromethane	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM

Specialty Analytical

Date Reported: 13-Nov-13

CLIENT: Maul Foster & Alongi
Project: Schmid / 0564.02.01

Lab Order: 1310150

VOLATILE ORGANICS BY GC/MS

SW8260B

Analyst: CK

Ethylbenzene	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
Hexachlorobutadiene	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
Isopropylbenzene	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
m,p-Xylene	ND	2.00	HT	µg/L	1	10/29/2013 2:49:00 PM
Methyl tert-butyl ether	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
Methylene chloride	ND	20.0	HT	µg/L	1	10/29/2013 2:49:00 PM
Naphthalene	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
n-Butylbenzene	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
n-Propylbenzene	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
o-Xylene	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
sec-Butylbenzene	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
Styrene	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
tert-Butylbenzene	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
Tetrachloroethene	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
Toluene	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
trans-1,2-Dichloroethene	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
trans-1,3-Dichloropropene	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
Trichloroethene	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
Trichlorofluoromethane	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
Vinyl chloride	ND	1.00	HT	µg/L	1	10/29/2013 2:49:00 PM
Surr: 1,2-Dichloroethane-d4	96.3	85.3-116	HT	%REC	1	10/29/2013 2:49:00 PM
Surr: 4-Bromofluorobenzene	98.6	88.1-120	HT	%REC	1	10/29/2013 2:49:00 PM
Surr: Dibromofluoromethane	97.8	94.2-122	HT	%REC	1	10/29/2013 2:49:00 PM
Surr: Toluene-d8	95.4	86.2-135	HT	%REC	1	10/29/2013 2:49:00 PM

Lab ID: 1310150-003

Collection Date: 10/14/2013 5:08:00 PM

Client Sample ID: GP19-W

Matrix: WATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-DX - RBC						
NWTPH-DX						Analyst: ZP
Diesel	0.110	0.0787	A1	mg/L	1	10/19/2013 10:14:15 AM
Lube Oil	0.237	0.197	A2	mg/L	1	10/19/2013 10:14:15 AM
Surr: o-Terphenyl	91.2	50-150		%REC	1	10/19/2013 10:14:15 AM
NWTPH-GX						
NWTPH-GX						Analyst: JRC
Gasoline	ND	100	HT	µg/L	1	10/29/2013 3:36:00 PM
Surr: 4-Bromofluorobenzene	98.1	50-150	HT	%REC	1	10/29/2013 3:36:00 PM

Specialty Analytical

Date Reported: 13-Nov-13

CLIENT: Maul Foster & Alongi
Project: Schmid / 0564.02.01

Lab Order: 1310150

Lab ID: 1310150-004 **Collection Date:** 10/14/2013 2:05:00 PM
Client Sample ID: GP21-S-7.5 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST		PER CLIENT				Analyst: clh
Hold	Hold	0			1	11/12/2013 2:43:07 PM

Lab ID: 1310150-005 **Collection Date:** 10/14/2013 2:20:00 PM
Client Sample ID: GP21-S-12 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST		PER CLIENT				Analyst: clh
Hold	Hold	0			1	11/12/2013 2:43:07 PM

Lab ID: 1310150-006 **Collection Date:** 10/14/2013 2:40:00 PM
Client Sample ID: GP21-S-22.5 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST		PER CLIENT				Analyst: clh
Hold	Hold	0			1	11/12/2013 2:43:07 PM

Lab ID: 1310150-007 **Collection Date:** 10/14/2013 3:00:00 PM
Client Sample ID: GP18-S-7.5 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-DX		NWTPH-DX				Analyst: ZP
Diesel	364	20.5	A1	mg/Kg-dry	1	10/19/2013 4:27:37 PM
Lube Oil	ND	68.2		mg/Kg-dry	1	10/19/2013 4:27:37 PM
Surr: o-Terphenyl	104	50-150		%REC	1	10/19/2013 4:27:37 PM
NWTPH-GX		NWTPH-GX				Analyst: JRC
Gasoline	34.5	3.41	AHT	mg/Kg-dry	1	10/29/2013 2:00:00 PM
Surr: 4-Bromofluorobenzene	59.1	50-150	HT	%REC	1	10/29/2013 2:00:00 PM

Specialty Analytical

Date Reported: 13-Nov-13

CLIENT: Maul Foster & Alongi
Project: Schmid / 0564.02.01

Lab Order: 1310150

Lab ID: 1310150-008 **Collection Date:** 10/14/2013 3:40:00 PM
Client Sample ID: GP18-S-14.5 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST		PER CLIENT				Analyst: clh
Hold	Hold	0			1	11/12/2013 2:43:07 PM

Lab ID: 1310150-009 **Collection Date:** 10/14/2013 4:00:00 PM
Client Sample ID: GP18-S-17.5 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST		PER CLIENT				Analyst: clh
Hold	Hold	0			1	11/12/2013 2:43:07 PM

Lab ID: 1310150-010 **Collection Date:** 10/14/2013 4:30:00 PM
Client Sample ID: GP19-S-12 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-DX		NWTPH-DX				Analyst: ZP
Diesel	ND	17.7		mg/Kg-dry	1	10/19/2013 3:21:15 PM
Lube Oil	ND	59.1		mg/Kg-dry	1	10/19/2013 3:21:15 PM
Surr: o-Terphenyl	81.4	50-150		%REC	1	10/19/2013 3:21:15 PM
NWTPH-GX		NWTPH-GX				Analyst: JRC
Gasoline	ND	2.96	HT	mg/Kg-dry	1	10/29/2013 2:00:00 PM
Surr: 4-Bromofluorobenzene	59.6	50-150	HT	%REC	1	10/29/2013 2:00:00 PM

Specialty Analytical

Date Reported: 13-Nov-13

CLIENT: Maul Foster & Alongi
Project: Schmid / 0564.02.01

Lab Order: 1310150

Lab ID: 1310150-011 **Collection Date:** 10/15/2013 8:40:00 AM
Client Sample ID: GP20-S-7.5 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-DX		NWTPH-DX				Analyst: ZP
Diesel	ND	20.8		mg/Kg-dry	1	10/19/2013 3:43:19 PM
Lube Oil	ND	69.3		mg/Kg-dry	1	10/19/2013 3:43:19 PM
Surr: o-Terphenyl	82.5	50-150		%REC	1	10/19/2013 3:43:19 PM
NWTPH-GX		NWTPH-GX				Analyst: JRC
Gasoline	ND	3.47	HT	mg/Kg-dry	1	10/29/2013 2:00:00 PM
Surr: 4-Bromofluorobenzene	55.6	50-150	HT	%REC	1	10/29/2013 2:00:00 PM

Lab ID: 1310150-012 **Collection Date:** 10/15/2013 8:50:00 AM
Client Sample ID: GP20-S-14 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST		PER CLIENT				Analyst: clh
Hold	Hold	0			1	11/12/2013 2:43:07 PM

Lab ID: 1310150-013 **Collection Date:** 10/15/2013 9:20:00 AM
Client Sample ID: GP24-S-2 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST		PER CLIENT				Analyst: clh
Hold	Hold	0			1	11/12/2013 2:43:07 PM

Lab ID: 1310150-014 **Collection Date:** 10/15/2013 9:30:00 AM
Client Sample ID: GP24-S-5 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST		PER CLIENT				Analyst: clh
Hold	Hold	0			1	11/12/2013 2:43:07 PM

Specialty Analytical

Date Reported: 13-Nov-13

CLIENT: Maul Foster & Alongi
Project: Schmid / 0564.02.01

Lab Order: 1310150

Lab ID: 1310150-015 **Collection Date:** 10/15/2013 10:00:00 AM
Client Sample ID: GP20-W **Matrix:** WATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-DX - RBC		NWTPH-DX				Analyst: ZP
Diesel	ND	0.0814		mg/L	1	10/19/2013 10:35:53 AM
Lube Oil	ND	0.203		mg/L	1	10/19/2013 10:35:53 AM
Surr: o-Terphenyl	90.7	50-150		%REC	1	10/19/2013 10:35:53 AM
NWTPH-GX		NWTPH-GX				Analyst: JRC
Gasoline	ND	100	HT	µg/L	1	10/29/2013 4:06:00 PM
Surr: 4-Bromofluorobenzene	97.4	50-150	HT	%REC	1	10/29/2013 4:06:00 PM

Lab ID: 1310150-016 **Collection Date:** 10/15/2013 10:40:00 AM
Client Sample ID: GP24-W **Matrix:** WATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-DX - RBC		NWTPH-DX				Analyst: ZP
Diesel	0.115	0.0804	A1	mg/L	1	10/19/2013 10:57:39 AM
Lube Oil	ND	0.201		mg/L	1	10/19/2013 10:57:39 AM
Surr: o-Terphenyl	94.5	50-150		%REC	1	10/19/2013 10:57:39 AM

Lab ID: 1310150-017 **Collection Date:** 10/14/2013
Client Sample ID: Trip Blank **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
HOLD PER CLIENT REQUEST		PER CLIENT				Analyst: clh
Hold	Hold	0			1	11/12/2013 2:43:07 PM



Specialty Analytical
11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

QC SUMMARY REPORT

WO#: 1310150

13-Nov-13

Client: Maul Foster & Alongi

Project: Schmid / 0564.02.01

TestCode: 6020_WDISS

Sample ID: ICV	SampType: ICV	TestCode: 6020_WDISS	Units: µg/L	Prep Date:	RunNo: 12167						
Client ID: ICV	Batch ID: 6174	TestNo: SW6020A		Analysis Date: 10/30/2013	SeqNo: 155159						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	53.2	0.100	50.00	0	106	90	110				

Sample ID: CCV	SampType: CCV	TestCode: 6020_WDISS	Units: µg/L	Prep Date:	RunNo: 12167						
Client ID: CCV	Batch ID: 6174	TestNo: SW6020A		Analysis Date: 10/30/2013	SeqNo: 155161						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	53.4	0.100	50.00	0	107	90	110				

Sample ID: ICB-6174	SampType: ICB	TestCode: 6020_WDISS	Units: µg/L	Prep Date:	RunNo: 12167						
Client ID: ICB	Batch ID: 6174	TestNo: SW6020A		Analysis Date: 10/30/2013	SeqNo: 155162						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.100									

Sample ID: 1310151-019DDUP	SampType: DUP	TestCode: 6020_WDISS	Units: µg/L	Prep Date: 10/30/2013	RunNo: 12167						
Client ID: ZZZZZZ	Batch ID: 6174	TestNo: SW6020A		Analysis Date: 10/30/2013	SeqNo: 155164						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.189	0.100						0.1700	10.5	20	

Qualifiers: B Analyte detected in the associated Method Blank
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits



Specialty Analytical
11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

QC SUMMARY REPORT

WO#: 1310150

13-Nov-13

Client: Maul Foster & Alongi

Project: Schmid / 0564.02.01

TestCode: 6020_WDISS

Sample ID: 1310151-019DMS	SampType: MS	TestCode: 6020_WDISS	Units: µg/L	Prep Date: 10/30/2013	RunNo: 12167						
Client ID: ZZZZZZ	Batch ID: 6174	TestNo: SW6020A		Analysis Date: 10/30/2013	SeqNo: 155165						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	54.7	0.100	50.00	0.1700	109	70	130				

Sample ID: 1310151-019DMSD	SampType: MSD	TestCode: 6020_WDISS	Units: µg/L	Prep Date: 10/30/2013	RunNo: 12167						
Client ID: ZZZZZZ	Batch ID: 6174	TestNo: SW6020A		Analysis Date: 10/30/2013	SeqNo: 155166						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	59.8	0.100	50.00	0.1700	119	70	130	54.67	8.98	20	

Qualifiers: B Analyte detected in the associated Method Blank
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits



Specialty Analytical
11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

QC SUMMARY REPORT

WO#: 1310150

13-Nov-13

Client: Maul Foster & Alongi

Project: Schmid / 0564.02.01

TestCode: 8260_W

Sample ID: 60 PPB ICAL (CCV)	SampType: CCV	TestCode: 8260_W	Units: µg/L	Prep Date:	RunNo: 12151						
Client ID: CCV	Batch ID: R12151	TestNo: SW8260B		Analysis Date: 10/29/2013	SeqNo: 154975						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	55.3	1.00	60.00	0	92.1	80	120				
1,2-Dichloropropane	64.9	1.00	60.00	0	108	80	120				
Chloroform	59.0	1.00	60.00	0	98.4	80	120				
Ethylbenzene	63.5	1.00	60.00	0	106	80	120				
Toluene	58.2	1.00	60.00	0	97.1	80	120				
Vinyl chloride	58.9	1.00	60.00	0	98.2	80	120				

Sample ID: MB	SampType: MBLK	TestCode: 8260_W	Units: µg/L	Prep Date:	RunNo: 12151						
Client ID: PBW	Batch ID: R12151	TestNo: SW8260B		Analysis Date: 10/29/2013	SeqNo: 154976						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	1.00									
1,1,1-Trichloroethane	ND	1.00									
1,1,2,2-Tetrachloroethane	ND	1.00									
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.00									
1,1,2-Trichloroethane	ND	1.00									
1,1-Dichloroethane	ND	1.00									
1,1-Dichloroethene	ND	1.00									
1,1-Dichloropropene	ND	1.00									
1,2,3-Trichlorobenzene	ND	1.00									
1,2,3-Trichloropropane	ND	1.00									
1,2,4-Trichlorobenzene	ND	1.00									
1,2,4-Trimethylbenzene	ND	1.00									
1,2-Dibromo-3-chloropropane	ND	1.00									

Qualifiers:

B Analyte detected in the associated Method Blank
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits



Specialty Analytical
11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

QC SUMMARY REPORT

WO#: 1310150

13-Nov-13

Client: Maul Foster & Alongi

Project: Schmid / 0564.02.01

TestCode: 8260_W

Sample ID: MB	SampType: MBLK	TestCode: 8260_W	Units: µg/L	Prep Date:	RunNo: 12151						
Client ID: PBW	Batch ID: R12151	TestNo: SW8260B		Analysis Date: 10/29/2013	SeqNo: 154976						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane	ND	1.00									
1,2-Dichlorobenzene	ND	1.00									
1,2-Dichloroethane	ND	1.00									
1,2-Dichloropropane	ND	1.00									
1,3,5-Trimethylbenzene	ND	1.00									
1,3-Dichlorobenzene	ND	1.00									
1,3-Dichloropropane	ND	1.00									
1,4-Dichlorobenzene	ND	1.00									
2,2-Dichloropropane	ND	1.00									
2-Butanone	ND	10.0									
2-Chlorotoluene	ND	1.00									
2-Hexanone	ND	10.0									
4-Chlorotoluene	ND	1.00									
4-Isopropyltoluene	ND	1.00									
4-Methyl-2-pentanone	ND	20.0									
Acetone	ND	50.0									
Acrylonitrile	ND	5.00									
Benzene	ND	0.300									
Bromobenzene	ND	1.00									
Bromochloromethane	ND	1.00									
Bromodichloromethane	ND	1.00									
Bromoform	ND	1.00									
Bromomethane	ND	1.00									
Carbon disulfide	ND	2.00									
Carbon tetrachloride	ND	1.00									
Chlorobenzene	ND	1.00									

Qualifiers: B Analyte detected in the associated Method Blank
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits



Specialty Analytical
11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

QC SUMMARY REPORT

WO#: 1310150

13-Nov-13

Client: Maul Foster & Alongi

Project: Schmid / 0564.02.01

TestCode: 8260_W

Sample ID: MB	SampType: MBLK	TestCode: 8260_W	Units: µg/L	Prep Date:	RunNo: 12151						
Client ID: PBW	Batch ID: R12151	TestNo: SW8260B		Analysis Date: 10/29/2013	SeqNo: 154976						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloroethane	ND	1.00									
Chloroform	ND	1.00									
Chloromethane	ND	1.00									
cis-1,2-Dichloroethene	ND	1.00									
cis-1,3-Dichloropropene	ND	1.00									
Dibromochloromethane	ND	1.00									
Dibromomethane	ND	1.00									
Dichlorodifluoromethane	ND	1.00									
Ethylbenzene	ND	1.00									
Hexachlorobutadiene	ND	1.00									
Isopropylbenzene	ND	1.00									
m,p-Xylene	ND	2.00									
Methyl tert-butyl ether	ND	1.00									
Methylene chloride	ND	20.0									
Naphthalene	ND	1.00									
n-Butylbenzene	ND	1.00									
n-Propylbenzene	ND	1.00									
o-Xylene	ND	1.00									
sec-Butylbenzene	ND	1.00									
Styrene	ND	1.00									
tert-Butylbenzene	ND	1.00									
Tetrachloroethene	ND	1.00									
Toluene	ND	1.00									
trans-1,2-Dichloroethene	ND	1.00									
trans-1,3-Dichloropropene	ND	1.00									
Trichloroethene	ND	1.00									

Qualifiers: B Analyte detected in the associated Method Blank
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits



Specialty Analytical
11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

QC SUMMARY REPORT

WO#: 1310150

13-Nov-13

Client: Maul Foster & Alongi

Project: Schmid / 0564.02.01

TestCode: 8260_W

Sample ID: MB	SampType: MBLK	TestCode: 8260_W	Units: µg/L	Prep Date:	RunNo: 12151						
Client ID: PBW	Batch ID: R12151	TestNo: SW8260B		Analysis Date: 10/29/2013	SeqNo: 154976						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichlorofluoromethane	ND	1.00									
Vinyl chloride	ND	1.00									
Surr: 1,2-Dichloroethane-d4	97.9		100.0		97.9	85.3	116				
Surr: 4-Bromofluorobenzene	105		100.0		105	88.1	120				
Surr: Dibromofluoromethane	99.5		100.0		99.5	94.2	122				
Surr: Toluene-d8	96.5		100.0		96.5	86.2	135				

Sample ID: ICV 60 PPB (LCS)	SampType: LCS	TestCode: 8260_W	Units: µg/L	Prep Date:	RunNo: 12151						
Client ID: LCSW	Batch ID: R12151	TestNo: SW8260B		Analysis Date: 10/29/2013	SeqNo: 154977						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	56.9	1.00	60.00	0	94.8	61.2	135				
Benzene	58.0	0.300	60.00	0	96.7	76.8	125				
Chlorobenzene	60.3	1.00	60.00	0	100	84.1	116				
Toluene	60.2	1.00	60.00	0	100	82	122				
Trichloroethene	52.7	1.00	60.00	0	87.8	68.5	124				

Sample ID: ICV 60 PPB (LCSD)	SampType: LCSD	TestCode: 8260_W	Units: µg/L	Prep Date:	RunNo: 12151						
Client ID: LCSS02	Batch ID: R12151	TestNo: SW8260B		Analysis Date: 10/29/2013	SeqNo: 154978						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	54.4	1.00	60.00	0	90.7	61.2	135	56.86	4.42	20	
Benzene	55.5	0.300	60.00	0	92.5	76.8	125	58.04	4.47	20	

Qualifiers:

B Analyte detected in the associated Method Blank
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits



Specialty Analytical
11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

QC SUMMARY REPORT

WO#: 1310150

13-Nov-13

Client: Maul Foster & Alongi

Project: Schmid / 0564.02.01

TestCode: 8260_W

Sample ID: ICV 60 PPB (LCSD)	SampType: LCSD	TestCode: 8260_W	Units: µg/L	Prep Date:	RunNo: 12151						
Client ID: LCSS02	Batch ID: R12151	TestNo: SW8260B		Analysis Date: 10/29/2013	SeqNo: 154978						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzene	57.6	1.00	60.00	0	96.0	84.1	116	60.29	4.53	20	
Toluene	58.2	1.00	60.00	0	97.0	82	122	60.16	3.31	20	
Trichloroethene	54.2	1.00	60.00	0	90.2	68.5	124	52.69	2.73	20	

Sample ID: A1310215-001AMS	SampType: MS	TestCode: 8260_W	Units: µg/L	Prep Date:	RunNo: 12151						
Client ID: ZZZZZZ	Batch ID: R12151	TestNo: SW8260B	Analysis Date: 10/29/2013	SeqNo: 154983							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	41.3	1.00	40.00	0	103	47.8	165				
Benzene	41.7	0.300	40.00	0.1300	104	74.1	136				
Chlorobenzene	43.3	1.00	40.00	0	108	70.7	133				
Toluene	42.0	1.00	40.00	0	105	68.4	135				
Trichloroethene	35.4	1.00	40.00	0	88.4	50.8	164				

Sample ID: A1310215-001AMSD	SampType: MSD	TestCode: 8260_W	Units: µg/L	Prep Date:	RunNo: 12151						
Client ID: ZZZZZZ	Batch ID: R12151	TestNo: SW8260B		Analysis Date: 10/29/2013	SeqNo: 154984						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	39.4	1.00	40.00	0	98.5	47.8	165	41.30	4.68	20	
Benzene	40.0	0.300	40.00	0.1300	99.8	74.1	136	41.66	3.94	20	
Chlorobenzene	42.3	1.00	40.00	0	106	70.7	133	43.30	2.36	20	
Toluene	41.4	1.00	40.00	0	103	68.4	135	41.95	1.39	20	
Trichloroethene	36.9	1.00	40.00	0	92.2	50.8	164	35.35	4.18	20	

Qualifiers: B Analyte detected in the associated Method Blank
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits



Specialty Analytical
11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

QC SUMMARY REPORT

WO#: 1310150

13-Nov-13

Client: Maul Foster & Alongi

Project: Schmid / 0564.02.01

TestCode: NWTPHDX_S

Sample ID: CCV	SampType: CCV	TestCode: NWTPHDX_S	Units: mg/Kg	Prep Date:	RunNo: 12009						
Client ID: CCV	Batch ID: 6090	TestNo: NWTPH-Dx	SW3545A	Analysis Date: 10/19/2013	SeqNo: 152628						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel	1440	15.0	1352	0	107	85	115				
Lube Oil	664	50.0	696.9	0	95.2	85	115				

Sample ID: MB-6090	SampType: MBLK	TestCode: NWTPHDX_S	Units: mg/Kg	Prep Date: 10/17/2013	RunNo: 12009						
Client ID: PBS	Batch ID: 6090	TestNo: NWTPH-Dx	SW3545A	Analysis Date: 10/19/2013	SeqNo: 152629						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel	ND	15.0									
Lube Oil	ND	50.0									
Surr: o-Terphenyl	27.7		33.30		83.2	50	150				

Sample ID: LCS-6090	SampType: LCS	TestCode: NWTPHDX_S	Units: mg/Kg	Prep Date: 10/17/2013	RunNo: 12009						
Client ID: LCSS	Batch ID: 6090	TestNo: NWTPH-Dx	SW3545A	Analysis Date: 10/19/2013	SeqNo: 152630						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

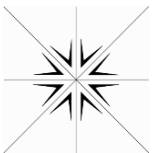
Diesel	178	15.0	166.5	0	107	76.3	125				
Lube Oil	147	50.0	166.5	0	88.2	69.9	127				

Sample ID: 1310151-016ADUP	SampType: DUP	TestCode: NWTPHDX_S	Units: mg/Kg-dry	Prep Date: 10/17/2013	RunNo: 12009						
Client ID: ZZZZZZ	Batch ID: 6090	TestNo: NWTPH-Dx	SW3545A	Analysis Date: 10/19/2013	SeqNo: 152639						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers: B Analyte detected in the associated Method Blank
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits



Specialty Analytical
11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

QC SUMMARY REPORT

WO#: 1310150

13-Nov-13

Client: Maul Foster & Alongi

Project: Schmid / 0564.02.01

TestCode: NWTPHDX_S

Sample ID: 1310151-016ADUP	SampType: DUP	TestCode: NWTPHDX_S	Units: mg/Kg-dry	Prep Date: 10/17/2013	RunNo: 12009						
Client ID: ZZZZZZ	Batch ID: 6090	TestNo: NWTPH-Dx	SW3545A	Analysis Date: 10/19/2013	SeqNo: 152639						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	28.2	24.8						29.70	5.06	20	A1
Lube Oil	95.2	82.6						81.54	15.5	20	A2

Sample ID: CCV	SampType: CCV	TestCode: NWTPHDX_S	Units: mg/Kg	Prep Date:	RunNo: 12009						
Client ID: CCV	Batch ID: 6090	TestNo: NWTPH-Dx	SW3545A	Analysis Date: 10/19/2013	SeqNo: 152640						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	1060	15.0	1014	0	104	85	115				
Lube Oil	474	50.0	522.7	0	90.7	85	115				

Qualifiers: B Analyte detected in the associated Method Blank
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits



Specialty Analytical
11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

QC SUMMARY REPORT

WO#: 1310150

13-Nov-13

Client: Maul Foster & Alongi

Project: Schmid / 0564.02.01

TestCode: NWTPHDXLL_W

Sample ID: CCV	SampType: CCV	TestCode: NWTPHDXLL	Units: mg/L	Prep Date:	RunNo: 12007						
Client ID: CCV	Batch ID: 6091	TestNo: NWTPH-Dx	SW3510B	Analysis Date: 10/19/2013	SeqNo: 152593						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	6.34	0.0800	6.090	0	104	85	115				
Lube Oil	2.91	0.200	3.139	0	92.8	85	115				

Sample ID: MB-6091	SampType: MBLK	TestCode: NWTPHDXLL	Units: mg/L	Prep Date: 10/18/2013	RunNo: 12007						
Client ID: PBW	Batch ID: 6091	TestNo: NWTPH-Dx	SW3510B	Analysis Date: 10/19/2013	SeqNo: 152594						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	ND	0.0800									
Lube Oil	ND	0.200									
Surr: o-Terphenyl	0.151		0.2000		75.4	50	150				

Sample ID: LCS-6091	SampType: LCS	TestCode: NWTPHDXLL	Units: mg/L	Prep Date: 10/18/2013	RunNo: 12007						
Client ID: LCSW	Batch ID: 6091	TestNo: NWTPH-Dx	SW3510B	Analysis Date: 10/19/2013	SeqNo: 152595						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	0.898	0.0800	1.000	0	89.8	60.7	121				
Lube Oil	0.778	0.200	1.000	0	77.8	64	126				

Sample ID: LCSD-6091	SampType: LCSD	TestCode: NWTPHDXLL	Units: mg/L	Prep Date: 10/18/2013	RunNo: 12007						
Client ID: LCSS02	Batch ID: 6091	TestNo: NWTPH-Dx	SW3510B	Analysis Date: 10/19/2013	SeqNo: 152596						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers: B Analyte detected in the associated Method Blank
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits



Specialty Analytical
11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

QC SUMMARY REPORT

WO#: 1310150

13-Nov-13

Client: Maul Foster & Alongi

Project: Schmid / 0564.02.01

TestCode: NWTPHDXLL_W

Sample ID: LCSD-6091	SampType: LCSD	TestCode: NWTPHDXLL	Units: mg/L	Prep Date: 10/18/2013	RunNo: 12007						
Client ID: LCSS02	Batch ID: 6091	TestNo: NWTPH-Dx	SW3510B	Analysis Date: 10/19/2013	SeqNo: 152596						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	1.14	0.0800	1.000	0	114	60.7	121	0.8978	23.9	20	R
Lube Oil	0.974	0.200	1.000	0	97.4	64	126	0.7780	22.4	20	R

Sample ID: CCV	SampType: CCV	TestCode: NWTPHDXLL	Units: mg/L	Prep Date:	RunNo: 12007						
Client ID: CCV	Batch ID: 6091	TestNo: NWTPH-Dx	SW3510B	Analysis Date: 10/19/2013	SeqNo: 152607						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	8.65	0.0800	8.120	0	107	85	115				
Lube Oil	3.99	0.200	4.186	0	95.2	85	115				

Qualifiers: B Analyte detected in the associated Method Blank
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits



Specialty Analytical
11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

QC SUMMARY REPORT

WO#: 1310150

13-Nov-13

Client: Maul Foster & Alongi

Project: Schmid / 0564.02.01

TestCode: NWTPHGX_S

Sample ID: CCV	SampType: CCV	TestCode: NWTPHGX_S	Units: mg/Kg	Prep Date:	RunNo: 12144						
Client ID: CCV	Batch ID: 6165	TestNo: NWTPH-Gx	5030_G_S	Analysis Date: 10/29/2013	SeqNo: 154810						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	102	2.50	100.0	0	102	80	120				

Sample ID: LCS-6165	SampType: LCS	TestCode: NWTPHGX_S	Units: mg/Kg	Prep Date: 10/29/2013	RunNo: 12144						
Client ID: LCSS	Batch ID: 6165	TestNo: NWTPH-Gx 5030_G_S		Analysis Date: 10/29/2013	SeqNo: 154811						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	53.3	2.50	50.00	0	107	53.5	121				

Sample ID: MB-6165	SampType: MBLK	TestCode: NWTPHGX_S	Units: mg/Kg	Prep Date: 10/29/2013	RunNo: 12144						
Client ID: PBS	Batch ID: 6165	TestNo: NWTPH-Gx 5030_G_S		Analysis Date: 10/29/2013	SeqNo: 154812						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	2.50									
Surr: 4-Bromofluorobenzene	3.33		5.000		66.6	50	150				

Sample ID: CCV	SampType: CCV	TestCode: NWTPHGX_S	Units: mg/Kg	Prep Date:	RunNo: 12144						
Client ID: CCV	Batch ID: 6165	TestNo: NWTPH-Gx 5030_G_S	Analysis Date: 10/29/2013	SeqNo: 154813							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	66.2	2.50	75.00	0	88.2	80	120				

Qualifiers: B Analyte detected in the associated Method Blank
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits



Specialty Analytical
11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

QC SUMMARY REPORT

WO#: 1310150

13-Nov-13

Client: Maul Foster & Alongi

Project: Schmid / 0564.02.01

TestCode: NWTPHGX_S

Sample ID: 1310198-011ADUP	SampType: DUP	TestCode: NWTPHGX_S	Units: mg/Kg-dry	Prep Date: 10/29/2013	RunNo: 12144						
Client ID: ZZZZZZ	Batch ID: 6165	TestNo: NWTPH-Gx	5030_G_S	Analysis Date: 10/29/2013	SeqNo: 154817						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	3.19						0	0	20	

Sample ID: 1310150-007ADUP	SampType: DUP	TestCode: NWTPHGX_S	Units: mg/Kg-dry	Prep Date: 10/29/2013	RunNo: 12144						
Client ID: GP18-S-7.5	Batch ID: 6165	TestNo: NWTPH-Gx	5030_G_S	Analysis Date: 10/29/2013	SeqNo: 154823						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	16.6	3.41						34.47	69.8	20	RA,MIHT

Sample ID: CCV	SampType: CCV	TestCode: NWTPHGX_S	Units: mg/Kg	Prep Date:	RunNo: 12144						
Client ID: CCV	Batch ID: 6165	TestNo: NWTPH-Gx	5030_G_S	Analysis Date: 10/29/2013	SeqNo: 154826						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	137	2.50	150.0	0	91.0	80	120				

Qualifiers: B Analyte detected in the associated Method Blank
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits



Specialty Analytical
11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

QC SUMMARY REPORT

WO#: 1310150

13-Nov-13

Client: Maul Foster & Alongi

Project: Schmid / 0564.02.01

TestCode: NWTPHGX_W

Sample ID: LCS	SampType: LCS	TestCode: NWTPHGX_	Units: µg/L	Prep Date:	RunNo: 12143						
Client ID: LCSW	Batch ID: R12143	TestNo: NWTPH-Gx		Analysis Date: 10/29/2013	SeqNo: 154798						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	2040	100	2000	0	102	74.4	128				

Sample ID: MBLK	SampType: MBLK	TestCode: NWTPHGX_	Units: µg/L	Prep Date:				RunNo: 12143			
Client ID: PBW	Batch ID: R12143	TestNo: NWTPH-Gx	Analysis Date: 10/29/2013				SeqNo: 154799				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	100									
Surr: 4-Bromofluorobenzene	94.5		100.0		94.5	50	150				

Sample ID: 1310151-019CDUP	SampType: DUP	TestCode: NWTPHGX_	Units: µg/L	Prep Date:	RunNo: 12143						
Client ID: ZZZZZZ	Batch ID: R12143	TestNo: NWTPH-Gx	Analysis Date: 10/29/2013	SeqNo: 154805							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	100						0	0	20	

Sample ID: CCV	SampType: CCV	TestCode: NWTPHGX_	Units: µg/L	Prep Date:				RunNo: 12143			
Client ID: CCV	Batch ID: R12143	TestNo: NWTPH-Gx	Analysis Date: 10/29/2013				SeqNo: 154809				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	1320	100	1500	0	88.2	80	120				

Qualifiers: B Analyte detected in the associated Method Blank
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits



Specialty Analytical
11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

QC SUMMARY REPORT

WO#: 1310150

13-Nov-13

Client: Maul Foster & Alongi

Project: Schmid / 0564.02.01

TestCode: PAHRBDM_W

Sample ID: LCS-6179	SampType: LCS	TestCode: PAHRBDM_	Units: µg/L	Prep Date: 10/30/2013	RunNo: 12249						
Client ID: LCSW	Batch ID: 6179	TestNo: SW8270D	SW 3510C	Analysis Date: 11/5/2013	SeqNo: 156463						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	3.16	0.0200	5.000	0	63.2	26.8	87.5				
Acenaphthylene	3.25	0.0200	5.000	0	65.0	29	89.1				
Anthracene	3.24	0.0200	5.000	0	64.8	42	97.4				
Benz(a)anthracene	3.37	0.0180	5.000	0	67.4	34.2	95.8				
Benzo(a)pyrene	3.16	0.0180	5.000	0	63.2	23.4	103				
Benzo(b)fluoranthene	2.76	0.0180	5.000	0	55.2	36.6	99.5				
Benzo(g,h,i)perylene	3.70	0.0180	5.000	0	74.0	10.3	109				
Benzo(k)fluoranthene	3.02	0.0180	5.000	0	60.4	39.7	93.4				
Chrysene	3.53	0.0180	5.000	0	70.6	36.8	99.8				
Dibenz(a,h)anthracene	3.56	0.0180	5.000	0	71.2	5.05	89				
Fluoranthene	3.52	0.0200	5.000	0	70.4	42.4	95.9				
Fluorene	3.50	0.0200	5.000	0	70.0	37.4	88.4				
Indeno(1,2,3-cd)pyrene	3.51	0.0180	5.000	0	70.2	10.5	98.4				
Naphthalene	2.55	0.0200	5.000	0	51.0	16.8	96.9				
Phenanthrene	3.46	0.0200	5.000	0	69.2	35.8	92.9				
Pyrene	3.61	0.0200	5.000	0	72.2	39.4	97.5				

Sample ID: LCSD-6179	SampType: LCSD	TestCode: PAHRBDM_	Units: µg/L	Prep Date: 10/30/2013	RunNo: 12249						
Client ID: LCSS02	Batch ID: 6179	TestNo: SW8270D	SW 3510C	Analysis Date: 11/5/2013	SeqNo: 156464						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	3.34	0.0200	5.000	0	66.8	26.8	87.5	3.160	5.54	20	
Acenaphthylene	3.41	0.0200	5.000	0	68.2	29	89.1	3.250	4.80	20	
Anthracene	3.63	0.0200	5.000	0	72.6	42	97.4	3.240	11.4	20	

Qualifiers:

B Analyte detected in the associated Method Blank
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits



Specialty Analytical
11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

QC SUMMARY REPORT

WO#: 1310150

13-Nov-13

Client: Maul Foster & Alongi

Project: Schmid / 0564.02.01

TestCode: PAHRBDM_W

Sample ID: LCSD-6179	SampType: LCSD	TestCode: PAHRBDM_	Units: µg/L	Prep Date: 10/30/2013	RunNo: 12249						
Client ID: LCSS02	Batch ID: 6179	TestNo: SW8270D	SW 3510C	Analysis Date: 11/5/2013	SeqNo: 156464						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	3.65	0.0180	5.000	0	73.0	34.2	95.8	3.370	7.98	20	R
Benzo(a)pyrene	3.46	0.0180	5.000	0	69.2	23.4	103	3.160	9.06	20	
Benzo(b)fluoranthene	3.08	0.0180	5.000	0	61.6	36.6	99.5	2.760	11.0	20	
Benzo(g,h,i)perylene	3.92	0.0180	5.000	0	78.4	10.3	109	3.700	5.77	20	
Benzo(k)fluoranthene	3.90	0.0180	5.000	0	78.0	39.7	93.4	3.020	25.4	20	
Chrysene	3.83	0.0180	5.000	0	76.6	36.8	99.8	3.530	8.15	20	
Dibenz(a,h)anthracene	3.80	0.0180	5.000	0	76.0	5.05	89	3.560	6.52	20	
Fluoranthene	3.88	0.0200	5.000	0	77.6	42.4	95.9	3.520	9.73	20	
Fluorene	3.66	0.0200	5.000	0	73.2	37.4	88.4	3.500	4.47	20	
Indeno(1,2,3-cd)pyrene	3.80	0.0180	5.000	0	76.0	10.5	98.4	3.510	7.93	20	
Naphthalene	2.80	0.0200	5.000	0	56.0	16.8	96.9	2.550	9.35	20	
Phenanthrene	3.74	0.0200	5.000	0	74.8	35.8	92.9	3.460	7.78	20	
Pyrene	3.93	0.0200	5.000	0	78.6	39.4	97.5	3.610	8.49	20	

Sample ID: MB-6179	SampType: MBLK	TestCode: PAHRBDM_	Units: µg/L	Prep Date: 10/30/2013	RunNo: 12249						
Client ID: PBW	Batch ID: 6179	TestNo: SW8270D	SW 3510C	Analysis Date: 11/5/2013	SeqNo: 156465						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Methylnaphthalene	ND	0.0200									
2-Methylnaphthalene	ND	0.0200									
Acenaphthene	ND	0.0200									
Acenaphthylene	ND	0.0200									
Anthracene	ND	0.0200									
Benz(a)anthracene	ND	0.0180									

Qualifiers:

B Analyte detected in the associated Method Blank
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits



Specialty Analytical
11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

QC SUMMARY REPORT

WO#: 1310150

13-Nov-13

Client: Maul Foster & Alongi

Project: Schmid / 0564.02.01

TestCode: PAHRBDM_W

Sample ID: MB-6179	SampType: MBLK	TestCode: PAHRBDM_	Units: µg/L	Prep Date: 10/30/2013	RunNo: 12249						
Client ID: PBW	Batch ID: 6179	TestNo: SW8270D	SW 3510C	Analysis Date: 11/5/2013	SeqNo: 156465						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)pyrene	ND	0.0180									
Benzo(b)fluoranthene	ND	0.0180									
Benzo(g,h,i)perylene	ND	0.0180									
Benzo(k)fluoranthene	ND	0.0180									
Chrysene	ND	0.0180									
Dibenz(a,h)anthracene	ND	0.0180									
Fluoranthene	ND	0.0200									
Fluorene	ND	0.0200									
Indeno(1,2,3-cd)pyrene	ND	0.0180									
Naphthalene	ND	0.0200									
Phenanthrene	ND	0.0200									
Pyrene	ND	0.0200									
Surr: 2-Fluorobiphenyl	62.1		100.0		62.1	18.6	106				
Surr: Nitrobenzene-d5	65.1		100.0		65.1	17	130				
Surr: p-Terphenyl-d14	80.2		100.0		80.2	39.6	131				

Qualifiers:

B Analyte detected in the associated Method Blank
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits

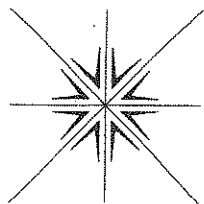
KEY TO FLAGS

Rev. May 12, 2010

- A This sample contains a Gasoline Range Organic not identified as a specific hydrocarbon product. The result was quantified against gasoline calibration standards
- A1 This sample contains a Diesel Range Organic not identified as a specific hydrocarbon product. The result was quantified against diesel calibration standards.
- A2 This sample contains a Lube Oil Range Organic not identified as a specific hydrocarbon product. The result was quantified against a lube oil calibration standard.
- A3 The result was determined to be Non-Detect based on hydrocarbon pattern recognition. The product was carry-over from another hydrocarbon type.
- A4 The product appears to be aged or degraded diesel.
- B The blank exhibited a positive result great than the reporting limit for this compound.
- CN See Case Narrative.
- D Result is based from a dilution.
- E Result exceeds the calibration range for this compound. The result should be considered as estimate.
- F The positive result for this hydrocarbon is due to single component contamination. The product does not match any hydrocarbon in the fuels library.
- G Result may be biased high due to biogenic interferences. Clean up is recommended.
- H Sample was analyzed outside recommended holding time.
- HT At clients request, samples was analyzed outside of recommended holding time.
- J The result for this analyte is between the MDL and the PQL and should be considered as estimated concentration.
- K Diesel result is biased high due to amount of Oil contained in the sample.
- L Diesel result is biased high due to amount of Gasoline contained in the sample.
- M Oil result is biased high due to amount of Diesel contained in the sample.
- MC Sample concentration is greater than 4x the spiked value, the spiked value is considered insignificant.
- MI Result is outside control limits due to matrix interference.
- MSA Value determined by Method of Standard Addition.
- O Laboratory Control Standard (LCS) exceeded laboratory control limits, but meets CCV criteria. Data meets EPA requirements.
- Q Detection levels elevated due to sample matrix.
- R RPD control limits were exceeded.
- RF Duplicate failed due to result being at or near the method-reporting limit.
- RP Matrix spike values exceed established QC limits; post digestion spike is in control.
- S Recovery is outside control limits.
- SC Closing CCV or LCS exceeded high recovery control limits, but associated samples are non-detect. Data meets EPA requirements.
- * The result for this parameter was greater than the maximum contaminant level of the TCLP regulatory limit.

CHAIN OF CUSTODY RECORD

Page 1 of 2



Specialty Analytical

11711 SE Capps Road
Clackamas, OR 97015
Phone: 503-607-1331
Fax: 503-607-1336

Contact Person/Project Manager Alan Hughes
Company MFA
Address 400 E.M. 11 Plain Blvd Suite 400
Vancouver WA 98660
Phone 360 694 2691 Fax _____
Project No. 0564.02.01 Project Name Schmid
Project Site Location OR _____ WA X Other _____
Invoice To MFA P.O. No. _____

Collected By:

Signature _____

Printed Andrew Vidourek

Signature _____

Printed SHARLENE HARVESTER

Turn Around Time

☒ Normal 5-7 Business Days

☐ Rush _____

Specify _____

Rush Analyses Must Be Scheduled With The Lab In Advance

				Analyses										For Laboratory Use			
				No. of Containers	WUTAT-GA	WUTAT-DX	VOCs (8260B)	PAHs (8260D www)	Total Dissolved Metals						Lab Job No. <u>1310150</u>	Shipped Via <u>Specialty</u>	Air Bill No. _____
Date	Time	Sample I.D.	Matrix												Temperature On Receipt <u>6</u> °C	Specialty Analytical Containers? Y/N	Specialty Analytical Trip Blanks? Y/N
10/14/13	1545	GP 21-10	W	7	X	X	X	X	X						*Field Filtered.		
	1630	GP 18-W	W	7	X	X	X	X	X								
	1708	GP 19-W	W	7	X	X									Archive all unanalyzed		
	1405	GP 21-S-7.5	S	2											samples for potential		
	1420	GP 21-S-12	S	2											Follow up analyses.		
	1440	GP 21-S-22.5	S	2													
	1500	GP 18-S-7.5	S	2	X	X											
	1540	GP 18-S-14.5	S	2													
	1600	GP 18-S-17.5	S	2													
	1630	GP 19-S-12	S	2	X	X											
10/14/13		Trip Blank	W	2													

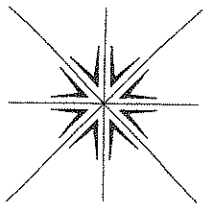
Relinquished By: <u>Andrew Vidourek</u>	Date <u>10/16/13</u>	Time <u>1000</u>	Received By: <u>[Signature]</u>	Company: <u>MFA</u>	Relinquished By: <u>[Signature]</u>	Date <u>10/16/13</u>	Time <u>1430</u>
Unless Reclaimed, Samples Will Be Disposed of 60 Days After Receipt. Samples held beyond 60 days subject to storage fee(s)					Received For Lab By: <u>Heikki Buppas</u>	Date <u>10/16/13</u>	Time <u>1430</u>

Copies: White-Original

Yellow-Project File

Pink-Customer Copy

Page 2 of 2



11711 SE Capps Road
Clackamas, OR 97015
Phone: 503-607-1331
Fax: 503-607-1336

Contact Person/Project Manager Alan Hughes
Company MFA
Address 400 E Mill Plain Blvd Suite 400
Vancouver WA 98660
Phone 360 694 2691 Fax _____
Project No. 0564.0201 Project Name Schmid
Project Site Location OR _____ WA X Other _____
Invoice To MFA P.O. No. _____

Signature

Printed

Signature

Printed.

Turn Around Time

☒ Normal 5-7 Business Days

☐ Rush

Specify

Rush Analyses Must Be Scheduled With The Lab In Advance

[illegible]

Copies: White-Original

Yellow-Project File

Pink-Customer Copy

11/11/2013

Mr. Michael Murray
Maul Foster and Alongi Inc.
2001 NW 19th Ave
Suite 200
Portland OR 97209

Project Name:

Project #:

Workorder #: 1310289AR1

Dear Mr. Michael Murray

The following report includes the data for the above referenced project for sample(s) received on 10/15/2013 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kelly Buettner at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Kelly Buettner
Project Manager

WORK ORDER #: 1310289AR1

Work Order Summary

CLIENT:	Mr. Michael Murray Maul Foster and Alongi Inc. 2001 NW 19th Ave Suite 200 Portland, OR 97209	BILL TO:	Accounts Payable Maul Foster and Alongi Inc. 400 E. Mill Plain Blvd Suite 400 Vancouver, WA 98660
PHONE:	971-544-2139	P.O. #	
FAX:	971-544-2140	PROJECT #	
DATE RECEIVED:	10/15/2013	CONTACT:	Kelly Buettner
DATE COMPLETED:	10/28/2013		
DATE REISSUED:	11/11/2013		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	GP-01-SG-N30	Modified TO-15	2.6 "Hg	5.4 psi
01B	GP-01-SG-N30	Modified TO-15	2.6 "Hg	5.4 psi
02A	GP-25-SG-15	Modified TO-15	3.9 "Hg	5.2 psi
02B	GP-25-SG-15	Modified TO-15	3.9 "Hg	5.2 psi
03A	Lab Blank	Modified TO-15	NA	NA
03B	Lab Blank	Modified TO-15	NA	NA
04A	CCV	Modified TO-15	NA	NA
04B	CCV	Modified TO-15	NA	NA
05A	LCS	Modified TO-15	NA	NA
05AA	LCSD	Modified TO-15	NA	NA
05B	LCS	Modified TO-15	NA	NA
05BB	LCSD	Modified TO-15	NA	NA

CERTIFIED BY:



Technical Director

DATE: 11/11/13

Certification numbers: AZ Licensure AZ0775, CA NELAP - 12282CA, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-13-6, UT NELAP CA009332013-4, VA NELAP - 460197, WA NELAP - C935

Name of Accrediting Agency: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)

Accreditation number: CA300005, Effective date: 10/18/2013, Expiration date: 10/17/2014.

Eurofins Air Toxics Inc., certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, Inc.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 9567

(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020



LABORATORY NARRATIVE
Modified TO-15 Full Scan/SIM
Maul Foster and Alongi Inc.
Workorder# 1310289AR1

Two 6 Liter Summa Canister (SIM Certified) samples were received on October 15, 2013. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the Full Scan and SIM acquisition modes. The method involves concentrating up to 1.0 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	TO-15	ATL Modifications
ICAL %RSD acceptance criteria	$\leq 30\%$ RSD with 2 compounds allowed out to $< 40\%$ RSD	For Full Scan: 30% RSD with 4 compounds allowed out to $< 40\%$ RSD For SIM: Project specific; default criteria is $\leq 30\%$ RSD with 10% of compounds allowed out to $< 40\%$ RSD
Daily Calibration	$\pm 30\%$ Difference	For Full Scan: $\leq 30\%$ Difference with four allowed out up to $\leq 40\%$.; flag and narrate outliers For SIM: Project specific; default criteria is $\leq 30\%$ Difference with 10% of compounds allowed out up to $\leq 40\%$.; flag and narrate outliers
Blank and standards	Zero air	Nitrogen
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

The results for each sample in this report were acquired from two separate data files originating from the same analytical run. The two data files have the same base file name and are differentiated with a "sim" extension on the SIM data file.

Dilution was performed on sample GP-25-SG-15 due to the presence of high level non-target species.

The recovery of surrogate 1,2-Dichloroethane-d4 in sample GP-25-SG-15 was outside laboratory control limits due to high level hydrocarbon matrix interference. The surrogate recovery is flagged.

THE WORKORDER WAS REISSUED ON 11/11/13 TO CORRECT THE REPORTED SAMPLE AND QC RESULTS FOR ETHYL BENZENE IN ALL SAMPLES. ETHYL BENZENE PEAK WAS MISIDENTIFIED IN THE ORIGINAL REPORT DUE TO LABORATORY ERROR.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

Summary of Detected Compounds

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client Sample ID: GP-01-SG-N30

Lab ID#: 1310289AR1-01A

No Detections Were Found.

Client Sample ID: GP-01-SG-N30

Lab ID#: 1310289AR1-01B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.015	0.050	0.038	0.13
Benzene	0.075	3.9	0.24	12
Toluene	0.030	4.4	0.11	16
Ethyl Benzene	0.030	0.84	0.13	3.6
m,p-Xylene	0.060	2.2	0.26	9.4
o-Xylene	0.030	0.58	0.13	2.5

Client Sample ID: GP-25-SG-15

Lab ID#: 1310289AR1-02A

No Detections Were Found.

Client Sample ID: GP-25-SG-15

Lab ID#: 1310289AR1-02B

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.031	16	0.079	40
Benzene	0.16	11	0.50	34
Trichloroethene	0.062	0.061 J	0.33	0.33 J
Toluene	0.062	8.2	0.23	31
Ethyl Benzene	0.062	1.6	0.27	7.2
m,p-Xylene	0.12	2.4	0.54	10
o-Xylene	0.062	1.6	0.27	7.0



Air Toxics

Client Sample ID: GP-01-SG-N30

Lab ID#: 1310289AR1-01A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	v102417	Date of Collection: 10/14/13 11:35:00 AM
Dil. Factor:	1.50	Date of Analysis: 10/24/13 10:18 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 11	0.15	Not Detected	0.84	Not Detected
Methylene Chloride	0.30	Not Detected	1.0	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	93	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	114	70-130



Air Toxics

Client Sample ID: GP-01-SG-N30

Lab ID#: 1310289AR1-01B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	v102417simr1	Date of Collection:	10/14/13 11:35:00 AM
Dil. Factor:	1.50	Date of Analysis:	10/24/13 10:18 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.015	0.050	0.038	0.13
Benzene	0.075	3.9	0.24	12
Trichloroethene	0.030	Not Detected	0.16	Not Detected
Toluene	0.030	4.4	0.11	16
Tetrachloroethene	0.030	Not Detected	0.20	Not Detected
Ethyl Benzene	0.030	0.84	0.13	3.6
m,p-Xylene	0.060	2.2	0.26	9.4
o-Xylene	0.030	0.58	0.13	2.5

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	107	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	110	70-130



Air Toxics

Client Sample ID: GP-25-SG-15

Lab ID#: 1310289AR1-02A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	v102418	Date of Collection:	10/14/13 2:25:00 PM
Dil. Factor:	3.10	Date of Analysis:	10/25/13 07:13 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 11	0.31	Not Detected	1.7	Not Detected
Methylene Chloride	0.62	Not Detected	2.2	Not Detected

Q = Exceeds Quality Control limits of 70% to 130%, due to matrix effects.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	140 Q	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	113	70-130



Air Toxics

Client Sample ID: GP-25-SG-15

Lab ID#: 1310289AR1-02B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	v102418simr1	Date of Collection:	10/14/13 2:25:00 PM
Dil. Factor:	3.10	Date of Analysis:	10/25/13 07:13 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.031	16	0.079	40
Benzene	0.16	11	0.50	34
Trichloroethene	0.062	0.061 J	0.33	0.33 J
Toluene	0.062	8.2	0.23	31
Tetrachloroethene	0.062	Not Detected	0.42	Not Detected
Ethyl Benzene	0.062	1.6	0.27	7.2
m,p-Xylene	0.12	2.4	0.54	10
o-Xylene	0.062	1.6	0.27	7.0

J = Estimated value.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	136	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	113	70-130



Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1310289AR1-03A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	v102406	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/24/13 02:03 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 11	0.10	Not Detected	0.56	Not Detected
Methylene Chloride	0.20	Not Detected	0.69	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	85	70-130
Toluene-d8	95	70-130
4-Bromofluorobenzene	104	70-130

Client Sample ID: Lab Blank

Lab ID#: 1310289AR1-03B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	v102406simr1	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/24/13 02:03 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.010	Not Detected	0.026	Not Detected
Benzene	0.050	Not Detected	0.16	Not Detected
Trichloroethene	0.020	Not Detected	0.11	Not Detected
Toluene	0.020	Not Detected	0.075	Not Detected
Tetrachloroethene	0.020	Not Detected	0.14	Not Detected
Ethyl Benzene	0.020	Not Detected	0.087	Not Detected
m,p-Xylene	0.040	Not Detected	0.17	Not Detected
o-Xylene	0.020	Not Detected	0.087	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	90	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	102	70-130



Air Toxics

Client Sample ID: CCV

Lab ID#: 1310289AR1-04A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	v102402a	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/24/13 11:26 AM

Compound	%Recovery

Freon 11	96
Methylene Chloride	88

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	93	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	99	70-130



Air Toxics

Client Sample ID: CCV

Lab ID#: 1310289AR1-04B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	v102402simr1	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/24/13 11:26 AM

Compound	%Recovery
Vinyl Chloride	92
Benzene	81
Trichloroethene	98
Toluene	100
Tetrachloroethene	104
Ethyl Benzene	106
m,p-Xylene	104
o-Xylene	106

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	97	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	102	70-130



Air Toxics

Client Sample ID: LCS

Lab ID#: 1310289AR1-05A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	v102403	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/24/13 12:14 PM

Compound	%Recovery	Method Limits
Freon 11	94	70-130
Methylene Chloride	94	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	90	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	99	70-130



Air Toxics

Client Sample ID: LCSD

Lab ID#: 1310289AR1-05AA

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	v102404	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/24/13 12:51 PM

Compound	%Recovery	Method Limits
Freon 11	96	70-130
Methylene Chloride	96	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	90	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	103	70-130

Client Sample ID: LCS

Lab ID#: 1310289AR1-05B

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	v102403simr1	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/24/13 12:14 PM

Compound	%Recovery	Method Limits
Vinyl Chloride	92	70-130
Benzene	79	70-130
Trichloroethene	95	70-130
Toluene	96	70-130
Tetrachloroethene	100	70-130
Ethyl Benzene	102	70-130
m,p-Xylene	104	70-130
o-Xylene	103	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	93	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	104	70-130

Client Sample ID: LCSD

Lab ID#: 1310289AR1-05BB

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

File Name:	v102404simr1	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/24/13 12:51 PM

Compound	%Recovery	Method Limits
Vinyl Chloride	90	70-130
Benzene	79	70-130
Trichloroethene	95	70-130
Toluene	96	70-130
Tetrachloroethene	100	70-130
Ethyl Benzene	103	70-130
m,p-Xylene	106	70-130
o-Xylene	106	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	92	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	106	70-130

10/29/2013

Mr. Michael Murray
Maul Foster and Alongi Inc.
2001 NW 19th Ave
Suite 200
Portland OR 97209

Project Name:

Project #:

Workorder #: 1310289B

Dear Mr. Michael Murray

The following report includes the data for the above referenced project for sample(s) received on 10/15/2013 at Air Toxics Ltd.

The data and associated QC analyzed by Modified ASTM D-1946 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kelly Buettner at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Kelly Buettner
Project Manager

WORK ORDER #: 1310289B

Work Order Summary

CLIENT:	Mr. Michael Murray Maul Foster and Alongi Inc. 2001 NW 19th Ave Suite 200 Portland, OR 97209	BILL TO:	Accounts Payable Maul Foster and Alongi Inc. 400 E. Mill Plain Blvd Suite 400 Vancouver, WA 98660
PHONE:	971-544-2139	P.O. #	
FAX:	971-544-2140	PROJECT #	
DATE RECEIVED:	10/15/2013	CONTACT:	Kelly Buettner
DATE COMPLETED:	10/29/2013		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	GP-01-SG-N30	Modified ASTM D-1946	2.6 "Hg	5.4 psi
02A	GP-25-SG-15	Modified ASTM D-1946	3.9 "Hg	5.2 psi
03A	Lab Blank	Modified ASTM D-1946	NA	NA
04A	LCS	Modified ASTM D-1946	NA	NA
04AA	LCSD	Modified ASTM D-1946	NA	NA

CERTIFIED BY:



Technical Director

DATE: 10/29/13

Certification numbers: AZ Licensure AZ0775, CA NELAP - 12282CA, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-12-5, UT NELAP CA009332012-3, VA NELAP - 460197, WA NELAP - C935

Name of Accrediting Agency: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)

Accreditation number: CA300005, Effective date: 10/18/2012, Expiration date: 10/17/2013.

Eurofins Air Toxics Inc., certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, Inc.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95678

(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020



LABORATORY NARRATIVE
Modified ASTM D-1946
Maul Foster and Alongi Inc.
Workorder# 1310289B

Two 6 Liter Summa Canister (SIM Certified) samples were received on October 15, 2013. The laboratory performed analysis via Modified ASTM Method D-1946 for Helium in air using GC/TCD. The method involves direct injection of 1.0 mL of sample.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	ASTM D-1946	ATL Modifications
Calibration	A single point calibration is performed using a reference standard closely matching the composition of the unknown.	A 3-point calibration curve is performed. Quantitation is based on a daily calibration standard which may or may not resemble the composition of the associated samples.
Reference Standard	The composition of any reference standard must be known to within 0.01 mol % for any component.	The standards used by ATL are blended to a $\geq 95\%$ accuracy.
Sample Injection Volume	Components whose concentrations are in excess of 5 % should not be analyzed by using sample volumes greater than 0.5 mL.	The sample container is connected directly to a fixed volume sample loop of 1.0 mL on the GC. Linear range is defined by the calibration curve. Bags are loaded by vacuum.
Normalization	Normalize the mole percent values by multiplying each value by 100 and dividing by the sum of the original values. The sum of the original values should not differ from 100% by more than 1.0%.	Results are not normalized. The sum of the reported values can differ from 100% by as much as 15%, either due to analytical variability or an unusual sample matrix.
Precision	Precision requirements established at each concentration level.	Duplicates should agree within 25% RPD for detections $> 5 \times$ the RL.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:

B - Compound present in laboratory blank greater than reporting limit.

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the detection limit.

M - Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

Summary of Detected Compounds
NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

Client Sample ID: GP-01-SG-N30

Lab ID#: 1310289B-01A

No Detections Were Found.

Client Sample ID: GP-25-SG-15

Lab ID#: 1310289B-02A

No Detections Were Found.



Air Toxics

Client Sample ID: GP-01-SG-N30

Lab ID#: 1310289B-01A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9102804	Date of Collection: 10/14/13 11:35:00 AM
Dil. Factor:	1.00	Date of Analysis: 10/28/13 10:20 AM

Compound	Rpt. Limit (%)	Amount (%)
Helium	0.050	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)



Air Toxics

Client Sample ID: GP-25-SG-15

Lab ID#: 1310289B-02A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9102805	Date of Collection: 10/14/13 2:25:00 PM
Dil. Factor:	1.00	Date of Analysis: 10/28/13 10:33 AM

Compound	Rpt. Limit (%)	Amount (%)
Helium	0.050	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)



Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1310289B-03A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name: 9102803
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 10/28/13 09:51 AM

Compound	Rpt. Limit (%)	Amount (%)
Helium	0.050	Not Detected

Container Type: NA - Not Applicable



Air Toxics

Client Sample ID: LCS

Lab ID#: 1310289B-04A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9102802	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/28/13 09:39 AM

Compound	%Recovery	Method Limits
Helium	98	85-115

Container Type: NA - Not Applicable

Client Sample ID: LCSD

Lab ID#: 1310289B-04AA

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name: 9102823
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 10/28/13 05:00 PM

Compound	%Recovery	Method Limits
Helium	98	85-115

Container Type: NA - Not Applicable

10/29/2013

Mr. Michael Murray
Maul Foster and Alongi Inc.
2001 NW 19th Ave
Suite 200
Portland OR 97209

Project Name:

Project #:

Workorder #: 1310289C

Dear Mr. Michael Murray

The following report includes the data for the above referenced project for sample(s) received on 10/15/2013 at Air Toxics Ltd.

The data and associated QC analyzed by Modified ASTM D-1945 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kelly Buettner at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Kelly Buettner
Project Manager

WORK ORDER #: 1310289C

Work Order Summary

CLIENT:	Mr. Michael Murray Maul Foster and Alongi Inc. 2001 NW 19th Ave Suite 200 Portland, OR 97209	BILL TO:	Accounts Payable Maul Foster and Alongi Inc. 400 E. Mill Plain Blvd Suite 400 Vancouver, WA 98660
PHONE:	971-544-2139	P.O. #	
FAX:	971-544-2140	PROJECT #	
DATE RECEIVED:	10/15/2013	CONTACT:	Kelly Buettner
DATE COMPLETED:	10/27/2013		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
03A	GP-01-SG-30	Modified ASTM D-1945	Tedlar Bag	Tedlar Bag
04A	GP-25-SG-15	Modified ASTM D-1945	Tedlar Bag	Tedlar Bag
05A	Lab Blank	Modified ASTM D-1945	NA	NA
06A	LCS	Modified ASTM D-1945	NA	NA
06AA	LCSD	Modified ASTM D-1945	NA	NA

CERTIFIED BY:



Technical Director

DATE: 10/29/13

Certification numbers: AZ Licensure AZ0775, CA NELAP - 12282CA, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-12-5, UT NELAP CA009332012-3, VA NELAP - 460197, WA NELAP - C935

Name of Accrediting Agency: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)

Accreditation number: CA300005, Effective date: 10/18/2012, Expiration date: 10/17/2013.

Eurofins Air Toxics Inc., certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, Inc.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95678

(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020



LABORATORY NARRATIVE
Modified ASTM D-1945
Maul Foster and Alongi Inc.
Workorder# 1310289C

Two 1 Liter Tedlar Bag samples were received on October 15, 2013. The laboratory performed analysis via modified ASTM Method D-1945 for Methane and Propane in natural gas using GC/FID. The method involves direct injection of 1.0 mL of sample.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	ASTM D-1945	ATL Modifications
Normalization	Sum of original values should not differ from 100.0% by more than 1.0%.	Sum of original values may range between 85-115%. Normalization of data not performed.
Sample analysis	Equilibrate samples to 20-50° F. above source temperature at field sampling	No heating of samples is performed.
Sample calculation	Response factor is calculated using peak height for C5 and lighter compounds.	Peak areas are used for all target analytes to quantitate concentrations.
Reference Standard	Concentration should not be < half of nor differ by more than 2 X the concentration of the sample. Run 2 consecutive checks; must agree within 1%.	A minimum 3-point linear calibration is performed. The acceptance criterion is %RSD <= 15%. All target analytes must be within the linear range of calibration (with the exception of O2, N2, and C6+ Hydrocarbons).
Sample Injection Volume	0.50 mL to achieve Methane linearity.	1.0 mL.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Six qualifiers may have been used on the data analysis sheets and indicate as follows:

- J - Estimated value.
- E - Exceeds instrument calibration range.
- S - Saturated peak.
- Q - Exceeds quality control limits.

-
- U - Compound analyzed for but not detected above the detection limit.
M - Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:

- a-File was requantified
- b-File was quantified by a second column and detector
- r1-File was requantified for the purpose of reissue

Summary of Detected Compounds
NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1945

Client Sample ID: GP-01-SG-30

Lab ID#: 1310289C-03A

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00010	31

Client Sample ID: GP-25-SG-15

Lab ID#: 1310289C-04A

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00010	11



Air Toxics

Client Sample ID: GP-01-SG-30

Lab ID#: 1310289C-03A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1945

File Name:	10101620	Date of Collection: 10/14/13 11:35:00 AM
Dil. Factor:	1.00	Date of Analysis: 10/16/13 08:01 PM

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00010	31
Propane	0.0010	Not Detected

Container Type: 1 Liter Tedlar Bag



Air Toxics

Client Sample ID: GP-25-SG-15

Lab ID#: 1310289C-04A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1945

File Name:	10101621	Date of Collection:	10/14/13 2:25:00 PM
Dil. Factor:	1.00	Date of Analysis:	10/16/13 08:27 PM

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00010	11
Propane	0.0010	Not Detected

Container Type: 1 Liter Tedlar Bag



Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1310289C-05A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1945

File Name:	10101604	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/16/13 10:05 AM

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00010	Not Detected
Propane	0.0010	Not Detected

Container Type: NA - Not Applicable



Air Toxics

Client Sample ID: LCS

Lab ID#: 1310289C-06A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1945

File Name: 10101602
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 10/16/13 09:04 AM

Compound	%Recovery	Method Limits
Methane	103	85-115
Propane	101	85-115

Container Type: NA - Not Applicable



Air Toxics

Client Sample ID: LCSD

Lab ID#: 1310289C-06AA

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1945

File Name: 10101622
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 10/16/13 08:53 PM

Compound	%Recovery	Method Limits
Methane	101	85-115
Propane	98	85-115

Container Type: NA - Not Applicable

10/18/2013

Mr. Michael Murray
Maul Foster and Alongi Inc.
2001 NW 19th Ave
Suite 200
Portland OR 97209

Project Name:
Project #:
Workorder #: 1310289D

Dear Mr. Michael Murray

The following report includes the data for the above referenced project for sample(s) received on 10/15/2013 at Air Toxics Ltd.

The data and associated QC analyzed by Modified ASTM D-5504 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kelly Buettner at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Kelly Buettner
Project Manager

WORK ORDER #: 1310289D

Work Order Summary

CLIENT:	Mr. Michael Murray Maul Foster and Alongi Inc. 2001 NW 19th Ave Suite 200 Portland, OR 97209	BILL TO:	Accounts Payable Maul Foster and Alongi Inc. 400 E. Mill Plain Blvd Suite 400 Vancouver, WA 98660
PHONE:	971-544-2139	P.O. #	
FAX:	971-544-2140	PROJECT #	
DATE RECEIVED:	10/15/2013	CONTACT:	Kelly Buettner
DATE COMPLETED:	10/18/2013		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
03A	GP-01-SG-30	Modified ASTM D-5504	Tedlar Bag	Tedlar Bag
04A	GP-25-SG-15	Modified ASTM D-5504	Tedlar Bag	Tedlar Bag
05A	Lab Blank	Modified ASTM D-5504	NA	NA
06A	LCS	Modified ASTM D-5504	NA	NA
06AA	LCSD	Modified ASTM D-5504	NA	NA

CERTIFIED BY:



Technical Director

DATE: 10/18/13

Certification numbers: AZ Licensure AZ0775, CA NELAP - 12282CA, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-12-5, UT NELAP CA009332012-3, VA NELAP - 460197, WA NELAP - C935

Name of Accrediting Agency: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)

Accreditation number: CA300005, Effective date: 10/18/2012, Expiration date: 10/17/2013.

Eurofins Air Toxics Inc., certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, Inc.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 9563

(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
ASTM D-5504
Maul Foster and Alongi Inc.
Workorder# 1310289D

Two 1 Liter Tedlar Bag samples were received on October 15, 2013. The laboratory performed the analysis of sulfur compounds via ASTM D-5504 using GC/SCD. The method involves direct injection of the air sample into the GC via a fixed 2.0 mL sampling loop. See the data sheets for the reporting limits for each compound.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:

B - Compound present in laboratory blank greater than reporting limit.

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the detection limit.

M - Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

Summary of Detected Compounds
SULFUR GASES BY ASTM D-5504 GC/SCD

Client Sample ID: GP-01-SG-30

Lab ID#: 1310289D-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Hydrogen Sulfide	8.0	440

Client Sample ID: GP-25-SG-15

Lab ID#: 1310289D-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Hydrogen Sulfide	8.0	350

Client Sample ID: GP-01-SG-30

Lab ID#: 1310289D-03A

SULFUR GASES BY ASTM D-5504 GC/SCD

File Name:	k101506	Date of Collection: 10/14/13 11:35:00 A
Dil. Factor:	2.00	Date of Analysis: 10/15/13 09:16 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Hydrogen Sulfide	8.0	440

Container Type: 1 Liter Tedlar Bag

Client Sample ID: GP-25-SG-15

Lab ID#: 1310289D-04A

SULFUR GASES BY ASTM D-5504 GC/SCD

File Name:	k101507	Date of Collection: 10/14/13 2:25:00 PM
Dil. Factor:	2.00	Date of Analysis: 10/15/13 09:38 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Hydrogen Sulfide	8.0	350

Container Type: 1 Liter Tedlar Bag

Client Sample ID: Lab Blank

Lab ID#: 1310289D-05A

SULFUR GASES BY ASTM D-5504 GC/SCD

File Name: k101504
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 10/14/13 10:15 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)
Hydrogen Sulfide	4.0	Not Detected

Container Type: NA - Not Applicable

Client Sample ID: LCS

Lab ID#: 1310289D-06A

SULFUR GASES BY ASTM D-5504 GC/SCD

File Name:	k101502	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/14/13 09:29 PM

Compound	%Recovery	Method Limits
Hydrogen Sulfide	101	70-130

Container Type: NA - Not Applicable

Client Sample ID: LCSD

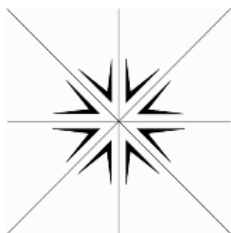
Lab ID#: 1310289D-06AA

SULFUR GASES BY ASTM D-5504 GC/SCD

File Name:	k101503	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/14/13 09:52 PM

Compound	%Recovery	Method Limits
Hydrogen Sulfide	107	70-130

Container Type: NA - Not Applicable



Specialty Analytical

11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

April 15, 2014

Alan Hughes
Maul Foster & Alongi
400 E. Mill Plain Blvd.
Suite 400
Vancouver, WA 98660
TEL: (360) 694-2691
FAX (360) 906-1958
RE: Schmid-32nd / 0564.02.01

Dear Alan Hughes:

Order No.: 1403173

Specialty Analytical received 6 sample(s) on 3/20/2014 for the analyses presented in the following report.

REVISED REPORT: Please see case narrative for information on revision.

There were no problems with the analysis and all data for associated QC met EPA or laboratory specifications, except where noted in the Case Narrative, or as qualified with flags. Results apply only to the samples analyzed. Without approval of the laboratory, the reproduction of this report is only permitted in its entirety.

If you have any questions regarding these tests, please feel free to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Marty French".

Marty French
Lab Director

Case Narrative

WO#: 1403173

Date: 4/15/2014

Specialty Analytical

CLIENT: Maul Foster & Alongi
Project: Schmid-32nd / 0564.02.01

Report Revision 1.

At the request of the client, NWTPH-Dx with Silica Gel clean-up was added to Specialty Analytical sample ID's -001, -003, -004 and -006, as well as the Method Blank.

The Method Blank for NWTPH-Dx showed a positive result which is identified as non-petroleum in nature. There was insufficient sample volume to perform a re-extraction and analysis.

Specialty Analytical

Date Reported: 15-Apr-14

CLIENT: Maul Foster & Alongi
Project: Schmid-32nd / 0564.02.01

Lab Order: 1403173

Lab ID: 1403173-001

Collection Date: 3/19/2014 9:10:00 AM

Client Sample ID: MW01

Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-DX WITH SILICA CLEAN-UP						Analyst: RHD
Diesel	0.610	0.0765		mg/L	1	4/2/2014 4:28:30 PM
Lube Oil	0.314	0.191		mg/L	1	4/2/2014 4:28:30 PM
Surr: o-Terphenyl	80.1	50-150		%REC	1	4/2/2014 4:28:30 PM

Lab ID: 1403173-002

Collection Date: 3/19/2014 11:05:00 AM

Client Sample ID: MW02

Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-DX - RBC						Analyst: RHD
Diesel	ND	0.0787		mg/L	1	3/24/2014 7:59:00 PM
Lube Oil	ND	0.197		mg/L	1	3/24/2014 7:59:00 PM
Surr: o-Terphenyl	78.9	50-150		%REC	1	3/24/2014 7:59:00 PM

Lab ID: 1403173-003

Collection Date: 3/18/2014 5:10:00 PM

Client Sample ID: MW03

Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-DX WITH SILICA CLEAN-UP						Analyst: RHD
Diesel	0.225	0.0771		mg/L	1	4/2/2014 4:50:46 PM
Lube Oil	1.47	0.193		mg/L	1	4/2/2014 4:50:46 PM
Surr: o-Terphenyl	77.0	50-150		%REC	1	4/2/2014 4:50:46 PM

Specialty Analytical

Date Reported: 15-Apr-14

CLIENT: Maul Foster & Alongi
Project: Schmid-32nd / 0564.02.01

Lab Order: 1403173

Lab ID: 1403173-004

Collection Date: 3/18/2014 3:40:00 PM

Client Sample ID: MW04

Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed

NWTPH-DX WITH SILICA CLEAN-UP

NWTPH-DX/SIL

Analyst: **RHD**

Diesel	0.114	0.0765		mg/L	1	4/2/2014 5:12:57 PM
Lube Oil	0.320	0.191		mg/L	1	4/2/2014 5:12:57 PM
Surr: o-Terphenyl	76.9	50-150		%REC	1	4/2/2014 5:12:57 PM

ICP/MS METALS-TOTAL RECOVERABLE

SW6020A

Analyst: **VAS**

Arsenic	6.18	0.100		µg/L	1	3/25/2014 8:55:00 PM
Barium	507	100		µg/L	100	3/25/2014 9:32:00 PM
Chromium	0.441	0.100		µg/L	1	3/25/2014 8:55:00 PM
Lead	2.33	0.100		µg/L	1	3/25/2014 8:55:00 PM

Lab ID: 1403173-005

Collection Date: 3/18/2014 11:30:00 AM

Client Sample ID: MW05

Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed

NWTPH-DX - RBC

NWTPH-DX

Analyst: **RHD**

Diesel	ND	0.0766		mg/L	1	3/24/2014 9:05:00 PM
Lube Oil	0.196	0.191		mg/L	1	3/24/2014 9:05:00 PM
Surr: o-Terphenyl	82.1	50-150		%REC	1	3/24/2014 9:05:00 PM

ICP/MS METALS-TOTAL RECOVERABLE

SW6020A

Analyst: **VAS**

Arsenic	0.304	0.100		µg/L	1	3/25/2014 9:02:00 PM
Barium	7.12	1.00		µg/L	1	3/25/2014 9:02:00 PM
Chromium	0.228	0.100		µg/L	1	3/25/2014 9:02:00 PM
Lead	ND	0.100		µg/L	1	3/25/2014 9:02:00 PM

Specialty Analytical

Date Reported: 15-Apr-14

CLIENT: Maul Foster & Alongi
Project: Schmid-32nd / 0564.02.01

Lab Order: 1403173

Lab ID: 1403173-006

Collection Date: 3/18/2014 1:10:00 PM

Client Sample ID: MW06

Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
NWTPH-DX WITH SILICA CLEAN-UP		NWTPH-DX/SIL		Analyst: RHD		
Diesel	ND	0.0760		mg/L	1	4/2/2014 5:34:33 PM
Lube Oil	0.230	0.190		mg/L	1	4/2/2014 5:34:33 PM
Surr: o-Terphenyl	71.3	50-150		%REC	1	4/2/2014 5:34:33 PM
ICP/MS METALS-TOTAL RECOVERABLE		SW6020A		Analyst: VAS		
Arsenic	0.460	0.100		µg/L	1	3/25/2014 9:10:00 PM
Barium	6.66	1.00		µg/L	1	3/25/2014 9:10:00 PM
Chromium	0.251	0.100		µg/L	1	3/25/2014 9:10:00 PM
Lead	ND	0.100		µg/L	1	3/25/2014 9:10:00 PM

QC SUMMARY REPORT

WO#: 1403173

15-Apr-14

Specialty Analytical

Client: Maul Foster & Alongi
Project: Schmid-32nd / 0564.02.01

TestCode: 6020_W

Sample ID: ICV	SampType: ICV	TestCode: 6020_W		Units: µg/L	Prep Date:			RunNo: 14285			
Client ID: ICV	Batch ID: 7066	TestNo: SW6020A		SW3010A	Analysis Date: 3/25/2014			SeqNo: 188004			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	51.5	0.100	50.00	0	103	90	110				
Barium	50.4	1.00	50.00	0	101	90	110				
Chromium	51.9	0.100	50.00	0	104	90	110				
Lead	49.8	0.100	50.00	0	99.5	90	110				

Sample ID: CCV	SampType: CCV	TestCode: 6020_W	Units: µg/L	Prep Date:	RunNo: 14285						
Client ID: CCV	Batch ID: 7066	TestNo: SW6020A	SW3010A	Analysis Date: 3/25/2014	SeqNo: 188006						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	50.8	0.100	50.00	0	102	90	110				
Barium	53.5	1.00	50.00	0	107	90	110				
Chromium	51.9	0.100	50.00	0	104	90	110				
Lead	49.4	0.100	50.00	0	98.8	90	110				

Sample ID: MBLK-7066	SampType: MBLK	TestCode: 6020_W		Units: µg/L	Prep Date:				RunNo: 14285		
Client ID: PBW	Batch ID: 7066	TestNo: SW6020A		SW3010A	Analysis Date: 3/25/2014				SeqNo: 188007		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.100									
Barium	ND	1.00									
Chromium	ND	0.100									
Lead	ND	0.100									

Qualifiers: B Analyte detected in the associated Method Blank
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery

QC SUMMARY REPORT

WO#: 1403173

15-Apr-14

Specialty Analytical

Client: Maul Foster & Alongi
Project: Schmid-32nd / 0564.02.01

TestCode: 6020_W

Sample ID: LCS-7066	SampType: LCS	TestCode: 6020_W	Units: µg/L	Prep Date: 3/24/2014	RunNo: 14285						
Client ID: LCSW	Batch ID: 7066	TestNo: SW6020A	SW3010A	Analysis Date: 3/25/2014	SeqNo: 188008						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	53.2	0.100	50.00	0	106	80	120				
Barium	51.8	1.00	50.00	0	104	80	120				
Chromium	53.9	0.100	50.00	0	108	80	120				
Lead	51.7	0.100	50.00	0	103	80	120				

Sample ID: A1403151-001CDUP	SampType: DUP	TestCode: 6020_W	Units: µg/L	Prep Date: 3/24/2014	RunNo: 14285						
Client ID: ZZZZZZ	Batch ID: 7066	TestNo: SW6020A	SW3010A	Analysis Date: 3/25/2014	SeqNo: 188010						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.78	0.100						2.737	1.70	20	
Barium	15.2	1.00						15.14	0.396	20	
Chromium	0.405	0.100						0.4792	16.9	20	
Lead	0.330	0.100						0.3448	4.33	20	

Sample ID: A1403151-001CMS	SampType: MS	TestCode: 6020_W	Units: µg/L	Prep Date: 3/24/2014	RunNo: 14285						
Client ID: ZZZZZZ	Batch ID: 7066	TestNo: SW6020A	SW3010A	Analysis Date: 3/25/2014	SeqNo: 188011						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	55.5	0.100	50.00	2.737	106	70	130				
Barium	66.9	1.00	50.00	15.14	104	70	130				
Chromium	53.1	0.100	50.00	0.4792	105	70	130				
Lead	52.5	0.100	50.00	0.3448	104	70	130				

Qualifiers: B Analyte detected in the associated Method Blank
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery

QC SUMMARY REPORT

WO#: 1403173

15-Apr-14

Specialty Analytical

Client: Maul Foster & Alongi
Project: Schmid-32nd / 0564.02.01

TestCode: 6020_W

Sample ID: A1403151-001CMSD	SampType: MSD	TestCode: 6020_W		Units: µg/L	Prep Date: 3/24/2014			RunNo: 14285			
Client ID: ZZZZZZ	Batch ID: 7066	TestNo: SW6020A		SW3010A	Analysis Date: 3/25/2014			SeqNo: 188012			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	52.9	0.100	50.00	2.737	100	70	130	55.49	4.72	20	
Barium	64.5	1.00	50.00	15.14	98.7	70	130	66.91	3.65	20	
Chromium	49.7	0.100	50.00	0.4792	98.4	70	130	53.08	6.64	20	
Lead	50.5	0.100	50.00	0.3448	100	70	130	52.47	3.83	20	

Sample ID: CCV	SampType: CCV	TestCode: 6020_W		Units: µg/L	Prep Date:			RunNo: 14285			
Client ID: CCV	Batch ID: 7066	TestNo: SW6020A		SW3010A	Analysis Date: 3/25/2014			SeqNo: 188016			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	51.0	0.100	50.00	0	102	90	110				
Barium	52.1	1.00	50.00	0	104	90	110				
Chromium	53.3	0.100	50.00	0	107	90	110				
Lead	49.4	0.100	50.00	0	98.9	90	110				

Sample ID: CCV	SampType: CCV	TestCode: 6020_W		Units: µg/L	Prep Date:				RunNo: 14285		
Client ID: CCV	Batch ID: 7066	TestNo: SW6020A		SW3010A	Analysis Date: 3/25/2014				SeqNo: 188018		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	52.8	1.00	50.00	0	106	90	110				

Qualifiers: B Analyte detected in the associated Method Blank
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery

QC SUMMARY REPORT

WO#: 1403173

15-Apr-14

Specialty Analytical

Client: Maul Foster & Alongi
Project: Schmid-32nd / 0564.02.01

TestCode: DXLLSIL_W

Sample ID: CCV	SampType: CCV	TestCode: DXLLSIL_W	Units: mg/L	Prep Date:	RunNo: 14404						
Client ID: CCV	Batch ID: 7122	TestNo: NWTPH-Dx/Si SW3510C	Analysis Date: 4/2/2014	SeqNo: 189440							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	8.03	0.0800	8.000	0	100	85	115				
Lube Oil	3.95	0.200	4.000	0	98.7	85	115				

Sample ID: MBLK-7122	SampType: MBLK	TestCode: DXLLSIL_W	Units: mg/L	Prep Date:	RunNo: 14404						
Client ID: PBW	Batch ID: 7122	TestNo: NWTPH-Dx/Si SW3510C	Analysis Date: 4/2/2014	SeqNo: 189441							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	ND	0.0800									
Lube Oil	ND	0.200									
Surr: o-Terphenyl	0.124		0.2000		61.9	50	150				

Sample ID: LCS-7122	SampType: LCS	TestCode: DXLLSIL_W	Units: mg/L	Prep Date: 3/21/2014	RunNo: 14404						
Client ID: LCSW	Batch ID: 7122	TestNo: NWTPH-Dx/Si SW3510C	Analysis Date: 4/2/2014	SeqNo: 189442							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	0.825	0.0800	1.000	0	82.5	60.7	121				
Lube Oil	0.979	0.200	1.000	0	97.9	64	126				

Sample ID: CCV	SampType: CCV	TestCode: DXLLSIL_W	Units: mg/L	Prep Date:	RunNo: 14404						
Client ID: CCV	Batch ID: 7122	TestNo: NWTPH-Dx/Si SW3510C	Analysis Date: 4/2/2014	SeqNo: 189450							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers: B Analyte detected in the associated Method Blank
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery

QC SUMMARY REPORT

WO#: 1403173

15-Apr-14

Specialty Analytical

Client: Maul Foster & Alongi
Project: Schmid-32nd / 0564.02.01

TestCode: DXLLSIL_W

Sample ID: CCV	SampType: CCV	TestCode: DXLLSIL_W	Units: mg/L	Prep Date:	RunNo: 14404						
Client ID: CCV	Batch ID: 7122	TestNo: NWTPH-Dx/Si SW3510C	Analysis Date: 4/2/2014	SeqNo: 189450							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	5.85	0.0800	6.000	0	97.5	85	115				
Lube Oil	2.88	0.200	3.000	0	95.9	85	115				

Sample ID: LCSD-7122	SampType: LCSD	TestCode: DXLLSIL_W	Units: mg/L	Prep Date: 3/21/2014	RunNo: 14404						
Client ID: LCSS02	Batch ID: 7122	TestNo: NWTPH-Dx/Si SW3510C	Analysis Date: 4/2/2014	SeqNo: 189451							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	0.914	0.0800	1.000	0	91.4	60.7	121	0.8253	10.2	20	
Lube Oil	1.11	0.200	1.000	0	111	64	126	0.9788	12.3	20	

Qualifiers: B Analyte detected in the associated Method Blank
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery

QC SUMMARY REPORT

WO#: 1403173

15-Apr-14

Specialty Analytical

Client: Maul Foster & Alongi
Project: Schmid-32nd / 0564.02.01

TestCode: NWTPHDXLL_W

Sample ID: CCV	SampType: CCV	TestCode: NWTPHDXLL	Units: mg/L	Prep Date:	RunNo: 14250						
Client ID: CCV	Batch ID: 7058	TestNo: NWTPH-Dx	SW3510B	Analysis Date: 3/24/2014	SeqNo: 187619						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	7.68	0.0800	8.000	0	96.1	85	115				B
Lube Oil	3.86	0.200	4.000	0	96.4	85	115				

Sample ID: MB-7058	SampType: MBLK	TestCode: NWTPHDXLL	Units: mg/L	Prep Date: 3/21/2014	RunNo: 14250						
Client ID: PBW	Batch ID: 7058	TestNo: NWTPH-Dx	SW3510B	Analysis Date: 3/24/2014	SeqNo: 187620						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	0.109	0.0800									CN
Lube Oil	ND	0.200									
Surr: o-Terphenyl	0.135		0.2000		67.4	50	150				

Sample ID: LCS-7058	SampType: LCS	TestCode: NWTPHDXLL	Units: mg/L	Prep Date: 3/21/2014	RunNo: 14250						
Client ID: LCSW	Batch ID: 7058	TestNo: NWTPH-Dx	SW3510B	Analysis Date: 3/24/2014	SeqNo: 187621						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	1.03	0.0800	1.000	0	103	60.7	121				B
Lube Oil	0.931	0.200	1.000	0	93.1	64	126				

Sample ID: LCSD-7058	SampType: LCSD	TestCode: NWTPHDXLL	Units: mg/L	Prep Date: 3/21/2014	RunNo: 14250						
Client ID: LCSS02	Batch ID: 7058	TestNo: NWTPH-Dx	SW3510B	Analysis Date: 3/24/2014	SeqNo: 187622						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers: B Analyte detected in the associated Method Blank
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery

QC SUMMARY REPORT

WO#: 1403173

15-Apr-14

Specialty Analytical

Client: Maul Foster & Alongi
Project: Schmid-32nd / 0564.02.01

TestCode: NWTPHDXLL_W

Sample ID: LCSD-7058	SampType: LCSD	TestCode: NWTPHDXLL	Units: mg/L	Prep Date: 3/21/2014	RunNo: 14250						
Client ID: LCSS02	Batch ID: 7058	TestNo: NWTPH-Dx	SW3510B	Analysis Date: 3/24/2014	SeqNo: 187622						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	1.03	0.0800	1.000	0	103	60.7	121	1.034	0.0213	20	B
Lube Oil	0.992	0.200	1.000	0	99.2	64	126	0.9314	6.34	20	

Sample ID: CCV	SampType: CCV	TestCode: NWTPHDXLL	Units: mg/L	Prep Date:	RunNo: 14250						
Client ID: CCV	Batch ID: 7058	TestNo: NWTPH-Dx	SW3510B	Analysis Date: 3/25/2014	SeqNo: 187633						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	5.67	0.0800	6.000	0	94.5	85	115				B
Lube Oil	2.88	0.200	3.000	0	95.9	85	115				

Qualifiers: B Analyte detected in the associated Method Blank
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery

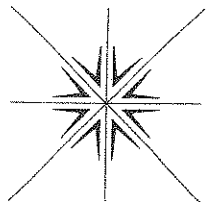
KEY TO FLAGS

Rev. May 12, 2010

- A This sample contains a Gasoline Range Organic not identified as a specific hydrocarbon product. The result was quantified against gasoline calibration standards
- A1 This sample contains a Diesel Range Organic not identified as a specific hydrocarbon product. The result was quantified against diesel calibration standards.
- A2 This sample contains a Lube Oil Range Organic not identified as a specific hydrocarbon product. The result was quantified against a lube oil calibration standard.
- A3 The result was determined to be Non-Detect based on hydrocarbon pattern recognition. The product was carry-over from another hydrocarbon type.
- A4 The product appears to be aged or degraded diesel.
- B The blank exhibited a positive result great than the reporting limit for this compound.
- CN See Case Narrative.
- D Result is based from a dilution.
- E Result exceeds the calibration range for this compound. The result should be considered as estimate.
- F The positive result for this hydrocarbon is due to single component contamination. The product does not match any hydrocarbon in the fuels library.
- G Result may be biased high due to biogenic interferences. Clean up is recommended.
- H Sample was analyzed outside recommended holding time.
- HT At clients request, samples was analyzed outside of recommended holding time.
- J The result for this analyte is between the MDL and the PQL and should be considered as estimated concentration.
- K Diesel result is biased high due to amount of Oil contained in the sample.
- L Diesel result is biased high due to amount of Gasoline contained in the sample.
- M Oil result is biased high due to amount of Diesel contained in the sample.
- MC Sample concentration is greater than 4x the spiked value, the spiked value is considered insignificant.
- MI Result is outside control limits due to matrix interference.
- MSA Value determined by Method of Standard Addition.
- O Laboratory Control Standard (LCS) exceeded laboratory control limits, but meets CCV criteria. Data meets EPA requirements.
- Q Detection levels elevated due to sample matrix.
- R RPD control limits were exceeded.
- RF Duplicate failed due to result being at or near the method-reporting limit.
- RP Matrix spike values exceed established QC limits; post digestion spike is in control.
- S Recovery is outside control limits.
- SC Closing CCV or LCS exceeded high recovery control limits, but associated samples are non-detect. Data meets EPA requirements.
- * The result for this parameter was greater than the maximum contaminant level of the TCLP regulatory limit.

CHAIN OF CUSTODY RECORD

Page 1 of 1



Specialty Analytical

11711 SE Capps Road
Clackamas, OR 97015
Phone: 503-607-1331
Fax: 503-607-1336

Contact Person/Project Manager Alan Hughes, Justin Pounds
Company MFA
Address 2001 NW 15TH ave Portland, OR

Phone _____ Fax _____
Project No. 0564.02.01 Project Name Schmidt - 32nd
Project Site Location OR _____ WA X Other _____
Invoice To MFA P.O. No. _____

Collected By: [Signature]
Signature _____
Printed Justin Pounds

Signature _____
Printed _____

Turn Around Time

☒ Normal 5-7 Business Days

☐ Rush _____

Specify

Rush Analyses Must Be Scheduled With The Lab In Advance

No. of Containers	Analyses										For Laboratory Use	
	Diesel	Diesel and oil	Arsenic, barium, chromium, lead								Lab Job No.	Shipped Via
											<u>1403173</u>	<u>Specialty</u>
											Air Bill No.	
											Temperature On Receipt <u>4</u> °C	
											Specialty Analytical Containers? <u>N</u>	
											Specialty Analytical Trip Blanks? <u>Y</u> / <u>N</u>	
											Comments	Lab I.D.

Date	Time	Sample I.D.	Matrix
3/19/2014	910	MW01	W
3/19/2014	1105	MW02	W
3/18/2014	1710	MW03	W
3/18/2014	1540	MW04	W
3/18/2014	1130	MW05	W
3/18/2014	1310	MW06	W

Relinquished By: <u>[Signature]</u>	Date <u>3/17/2014</u>	Time <u>2:19:00</u>	Received By: <u>[Signature]</u>	Relinquished By: <u>[Signature]</u>	Date <u>3/20/14</u>	Time <u>13:45</u>
Company: <u>MFA</u>			Company: <u>SA</u>	Company: <u>SA</u>		
Unless Reclaimed, Samples Will Be Disposed of 60 Days After Receipt. Samples held beyond 60 days subject to storage fee(s)				Received For Lab By: <u>Cindy Hillgard</u>	Date <u>3/20/14</u>	Time <u>13:45</u>

3/26/2014

Mr. Alan Hughes

Maul Foster and Alongi Inc.

400 E. Mill Plain Blvd

Suite 400

Vancouver WA 98660

Project Name: Schmid - 32nd

Project #: 0564.02.01

Workorder #: 1403264A

Dear Mr. Alan Hughes

The following report includes the data for the above referenced project for sample(s) received on 3/14/2014 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 SIM are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kelly Buettner at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Kelly Buettner

Project Manager

WORK ORDER #: 1403264A

Work Order Summary

CLIENT:	Mr. Alan Hughes Maul Foster and Alongi Inc. 400 E. Mill Plain Blvd Suite 400 Vancouver, WA 98660	BILL TO:	Accounts Payable Maul Foster and Alongi Inc. 400 E. Mill Plain Blvd Suite 400 Vancouver, WA 98660
PHONE:	800-896-4405	P.O. #	
FAX:	360-906-1958	PROJECT #	0564.02.01 Schmid - 32nd
DATE RECEIVED:	03/14/2014	CONTACT:	Kelly Buettner
DATE COMPLETED:	03/26/2014		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	GP-30	Modified TO-15 SIM	4.1 "Hg	4.7 psi
02A	GP-31	Modified TO-15 SIM	5.1 "Hg	5 psi
03A	GP-29	Modified TO-15 SIM	4.9 "Hg	4.9 psi
04A	GP-28	Modified TO-15 SIM	5.1 "Hg	4.6 psi
05A	Lab Blank	Modified TO-15 SIM	NA	NA
06A	CCV	Modified TO-15 SIM	NA	NA
07A	LCS	Modified TO-15 SIM	NA	NA
07AA	LCSD	Modified TO-15 SIM	NA	NA

CERTIFIED BY:



Technical Director

DATE: 03/26/14

Certification numbers: AZ Licensure AZ0775, CA NELAP - 12282CA, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-13-6, UT NELAP CA009332013-4, VA NELAP - 460197, WA NELAP - C935

Name of Accrediting Agency: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)

Accreditation number: CA300005, Effective date: 10/18/2013, Expiration date: 10/17/2014.

Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, Inc.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 9563

(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020



**LABORATORY NARRATIVE
Modified TO-15 SIM
Maul Foster and Alongi Inc.
Workorder# 1403264A**

Four 6 Liter Summa Canister (SIM Certified) samples were received on March 14, 2014. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the SIM acquisition mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

<i>Requirement</i>	<i>TO-15</i>	<i>ATL Modifications</i>
ICAL %RSD acceptance criteria	<=30% RSD with 2 compounds allowed out to < 40% RSD	Project specific; default criteria is <=30% RSD with 10% of compounds allowed out to < 40% RSD
Daily Calibration	+/- 30% Difference	Project specific; default criteria is <= 30% Difference with 10% of compounds allowed out up to <=40%.; flag and narrate outliers
Blank and standards	Zero air	Nitrogen
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

The Chain of Custody was missing method information. EAT proceeded with the analysis as per the original contract or verbal agreement.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: GP-30

Lab ID#: 1403264A-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.015	0.065	0.039	0.16
Benzene	0.076	0.61	0.24	1.9

Client Sample ID: GP-31

Lab ID#: 1403264A-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.016	0.018	0.041	0.045
Benzene	0.080	0.50	0.26	1.6

Client Sample ID: GP-29

Lab ID#: 1403264A-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.080	0.94	0.25	3.0

Client Sample ID: GP-28

Lab ID#: 1403264A-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.016	0.023	0.040	0.060
Benzene	0.079	0.61	0.25	2.0

Client Sample ID: GP-30

Lab ID#: 1403264A-01A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c032114sim	Date of Collection:	3/11/14 10:42:00 AM
Dil. Factor:	1.53	Date of Analysis:	3/21/14 06:37 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.015	0.065	0.039	0.16
Benzene	0.076	0.61	0.24	1.9

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	92	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	105	70-130



Air Toxics

Client Sample ID: GP-31

Lab ID#: 1403264A-02A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c032115sim	Date of Collection:	3/11/14 2:37:00 PM
Dil. Factor:	1.61	Date of Analysis:	3/21/14 07:25 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.016	0.018	0.041	0.045
Benzene	0.080	0.50	0.26	1.6

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	96	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	99	70-130

Client Sample ID: GP-29

Lab ID#: 1403264A-03A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c032116sim	Date of Collection:	3/11/14 3:20:00 PM
Dil. Factor:	1.59	Date of Analysis:	3/21/14 08:09 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.016	Not Detected	0.041	Not Detected
Benzene	0.080	0.94	0.25	3.0

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	107	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	107	70-130



Air Toxics

Client Sample ID: GP-28

Lab ID#: 1403264A-04A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c032117sim	Date of Collection:	3/11/14 3:40:00 PM
Dil. Factor:	1.58	Date of Analysis:	3/21/14 08:45 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.016	0.023	0.040	0.060
Benzene	0.079	0.61	0.25	2.0

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	110	70-130

Client Sample ID: Lab Blank

Lab ID#: 1403264A-05A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c032105sim	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/21/14 11:12 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.010	Not Detected	0.026	Not Detected
Benzene	0.050	Not Detected	0.16	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	93	70-130
4-Bromofluorobenzene	101	70-130

Client Sample ID: CCV

Lab ID#: 1403264A-06A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c032102sim	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/21/14 08:47 AM

Compound	%Recovery

Vinyl Chloride	95
Benzene	93

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	106	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	112	70-130

Client Sample ID: LCS

Lab ID#: 1403264A-07A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c032103sim	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/21/14 09:32 AM

Compound	%Recovery	Method Limits
Vinyl Chloride	91	70-130
Benzene	94	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	108	70-130

Client Sample ID: LCSD

Lab ID#: 1403264A-07AA

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	c032104sim	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/21/14 10:18 AM

Compound	%Recovery	Method Limits
Vinyl Chloride	89	70-130
Benzene	94	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	108	70-130

**Air
Toxics LTD.**
CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice
Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922.

Page 1 of 1

Project Name.

specify

mg/m³

Notes:

~~1493264~~

3/27/2014

Mr. Alan Hughes
Maul Foster and Alongi Inc.
400 E. Mill Plain Blvd
Suite 400
Vancouver WA 98660

Project Name: Schmid - 32nd
Project #: 0564.02.01
Workorder #: 1403264B

Dear Mr. Alan Hughes

The following report includes the data for the above referenced project for sample(s) received on 3/14/2014 at Air Toxics Ltd.

The data and associated QC analyzed by Modified ASTM D-1946 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kelly Buettner at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Kelly Buettner
Project Manager

WORK ORDER #: 1403264B

Work Order Summary

CLIENT:	Mr. Alan Hughes Maul Foster and Alongi Inc. 400 E. Mill Plain Blvd Suite 400 Vancouver, WA 98660	BILL TO:	Accounts Payable Maul Foster and Alongi Inc. 400 E. Mill Plain Blvd Suite 400 Vancouver, WA 98660
PHONE:	800-896-4405	P.O. #	
FAX:	360-906-1958	PROJECT #	0564.02.01 Schmid - 32nd
DATE RECEIVED:	03/14/2014	CONTACT:	Kelly Buettner
DATE COMPLETED:	03/27/2014		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	GP-30	Modified ASTM D-1946	4.1 "Hg	4.7 psi
02A	GP-31	Modified ASTM D-1946	5.1 "Hg	5 psi
03A	GP-29	Modified ASTM D-1946	4.9 "Hg	4.9 psi
04A	GP-28	Modified ASTM D-1946	5.1 "Hg	4.6 psi
05A	Lab Blank	Modified ASTM D-1946	NA	NA
05B	Lab Blank	Modified ASTM D-1946	NA	NA
06A	LCS	Modified ASTM D-1946	NA	NA
06AA	LCSD	Modified ASTM D-1946	NA	NA

CERTIFIED BY:



Technical Director

DATE: 03/27/14

Certification numbers: AZ Licensure AZ0775, CA NELAP - 12282CA, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-13-6, UT NELAP CA009332013-4, VA NELAP - 460197, WA NELAP - C935

Name of Accrediting Agency: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)

Accreditation number: CA300005, Effective date: 10/18/2013, Expiration date: 10/17/2014.

Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, Inc.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 9563

(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020



LABORATORY NARRATIVE
Modified ASTM D-1946
Maul Foster and Alongi Inc.
Workorder# 1403264B

Four 6 Liter Summa Canister (SIM Certified) samples were received on March 14, 2014. The laboratory performed analysis via Modified ASTM Method D-1946 for Methane and Helium in air using GC/FID or GC/TCD. The method involves direct injection of 1.0 mL of sample.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	ASTM D-1946	ATL Modifications
Calibration	A single point calibration is performed using a reference standard closely matching the composition of the unknown.	A 3-point calibration curve is performed. Quantitation is based on a daily calibration standard which may or may not resemble the composition of the associated samples.
Reference Standard	The composition of any reference standard must be known to within 0.01 mol % for any component.	The standards used by ATL are blended to a $\geq 95\%$ accuracy.
Sample Injection Volume	Components whose concentrations are in excess of 5 % should not be analyzed by using sample volumes greater than 0.5 mL.	The sample container is connected directly to a fixed volume sample loop of 1.0 mL on the GC. Linear range is defined by the calibration curve. Bags are loaded by vacuum.
Normalization	Normalize the mole percent values by multiplying each value by 100 and dividing by the sum of the original values. The sum of the original values should not differ from 100% by more than 1.0%.	Results are not normalized. The sum of the reported values can differ from 100% by as much as 15%, either due to analytical variability or an unusual sample matrix.
Precision	Precision requirements established at each concentration level.	Duplicates should agree within 25% RPD for detections $> 5 \times$ the RL.

Receiving Notes

The Chain of Custody was missing method information. EAT proceeded with the analysis as per the original contract or verbal agreement.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:

B - Compound present in laboratory blank greater than reporting limit.

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the detection limit.

M - Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

Summary of Detected Compounds
NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

Client Sample ID: GP-30

Lab ID#: 1403264B-01A

No Detections Were Found.

Client Sample ID: GP-31

Lab ID#: 1403264B-02A

No Detections Were Found.

Client Sample ID: GP-29

Lab ID#: 1403264B-03A

No Detections Were Found.

Client Sample ID: GP-28

Lab ID#: 1403264B-04A

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00016	0.00018

Client Sample ID: GP-30

Lab ID#: 1403264B-01A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	10031911	Date of Collection: 3/11/14 10:42:00 AM
Dil. Factor:	1.53	Date of Analysis: 3/19/14 02:09 PM

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00015	Not Detected
Helium	0.076	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Client Sample ID: GP-31

Lab ID#: 1403264B-02A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	10031912	Date of Collection: 3/11/14 2:37:00 PM
Dil. Factor:	1.61	Date of Analysis: 3/19/14 02:37 PM

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00016	Not Detected
Helium	0.080	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Client Sample ID: GP-29

Lab ID#: 1403264B-03A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	10031913	Date of Collection: 3/11/14 3:20:00 PM
Dil. Factor:	1.59	Date of Analysis: 3/19/14 03:23 PM

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00016	Not Detected
Helium	0.080	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Client Sample ID: GP-28

Lab ID#: 1403264B-04A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	10031914	Date of Collection: 3/11/14 3:40:00 PM
Dil. Factor:	1.58	Date of Analysis: 3/19/14 04:04 PM

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00016	0.00018
Helium	0.079	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Client Sample ID: Lab Blank

Lab ID#: 1403264B-05A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name: 10031905
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 3/19/14 10:20 AM

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00010	Not Detected

Container Type: NA - Not Applicable

Client Sample ID: Lab Blank

Lab ID#: 1403264B-05B

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	10031904c	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/19/14 09:55 AM

Compound	Rpt. Limit (%)	Amount (%)
Helium	0.050	Not Detected

Container Type: NA - Not Applicable

Client Sample ID: LCS

Lab ID#: 1403264B-06A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name: 10031902
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 3/19/14 08:51 AM

Compound	%Recovery	Method Limits
Methane	101	85-115
Helium	100	85-115

Container Type: NA - Not Applicable

Client Sample ID: LCSD

Lab ID#: 1403264B-06AA

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	10031925	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 3/19/14 09:41 PM

Compound	%Recovery	Method Limits
Methane	100	85-115
Helium	99	85-115

Container Type: NA - Not Applicable

**Air
Toxics LTD.**
CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice
Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922.

Page 1 of 1

Project Manager Alan Hughes
Collected by: (Print and Sign) Mike Murray 
Company MFA Email _____
Address 2001 NW 19th City Portland State OR Zip 97209
Phone 971 544-2139 Fax _____

Engraved	Date of	S

Project Name

specify

☐ mg/m3

Notes:

**Lab
Use
Only**

Shipper Name

Air Bill #

Temp (°C)

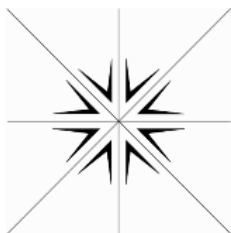
Condition

Custody Seals Intact?

Yes No ~~None~~

Work Order #

1493264



Specialty Analytical

11711 SE Capps Road, Ste B
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

July 23, 2014

Justin Pounds
Maul Foster & Alongi
400 E. Mill Plain Blvd.
Suite 400
Vancouver, WA 98660
TEL: (360) 694-2691
FAX (360) 906-1958
RE: Schmid - 32nd St / 0564.02.01

Dear Justin Pounds:

Order No.: 1407124

Specialty Analytical received 1 sample(s) on 7/17/2014 for the analyses presented in the following report.

There were no problems with the analysis and all data for associated QC met EPA or laboratory specifications, except where noted in the Case Narrative, or as qualified with flags. Results apply only to the samples analyzed. Without approval of the laboratory, the reproduction of this report is only permitted in its entirety.

If you have any questions regarding these tests, please feel free to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Marty French".

Marty French
Lab Director

Specialty Analytical

Date Reported: 23-Jul-14

CLIENT: Maul Foster & Alongi
Project: Schmid - 32nd St / 0564.02.01
Lab ID: 1407124-001
Client Sample ID: MW07

Collection Date: 7/16/2014 11:30:00 AM

Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Unit	DF	Date Analyzed
NWTPH-DX WITH SILICA CLEAN-UP		NWTPH-DX/SIL				Analyst: BS
Diesel	ND	0.0761		mg/L	1	7/21/2014 8:32:58 PM
Lube Oil	ND	0.190		mg/L	1	7/21/2014 8:32:58 PM
Surr: o-Terphenyl	99.3	50-150		%REC	1	7/21/2014 8:32:58 PM

QC SUMMARY REPORT

WO#: 1407124

23-Jul-14

Specialty Analytical

Client: Maul Foster & Alongi

Project: Schmid - 32nd St / 0564.02.01

TestCode: DXLLSIL_W

Sample ID: CCV	SampType: CCV	TestCode: DXLLSIL_W	Units: mg/L	Prep Date:	RunNo: 16066						
Client ID: CCV	Batch ID: 7841	TestNo: NWTPH-Dx/Si SW3510C	Analysis Date: 7/21/2014	SeqNo: 210626							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	6.31	0.0800	6.000	0	105	85	115				
Lube Oil	3.42	0.200	3.000	0	114	85	115				

Sample ID: MB-7841	SampType: MBLK	TestCode: DXLLSIL_W	Units: mg/L	Prep Date: 7/21/2014	RunNo: 16066						
Client ID: PBW	Batch ID: 7841	TestNo: NWTPH-Dx/Si	SW3510C	Analysis Date: 7/21/2014	SeqNo: 210627						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	ND	0.0800									
Lube Oil	ND	0.200									
Surr: o-Terphenyl	0.175		0.2000		87.5	50	150				

Sample ID: LCS-7841	SampType: LCS	TestCode: DXLLSIL_W	Units: mg/L	Prep Date: 7/21/2014	RunNo: 16066						
Client ID: LCSW	Batch ID: 7841	TestNo: NWTPH-Dx/Si SW3510C	Analysis Date: 7/21/2014	SeqNo: 210628							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	0.977	0.0800	1.000	0	97.7	60.7	121				
Lube Oil	0.985	0.200	1.000	0	98.5	64	126				

Sample ID: LCSD-7841	SampType: LCSD	TestCode: DXLLSIL_W	Units: mg/L	Prep Date: 7/21/2014	RunNo: 16066						
Client ID: LCSS02	Batch ID: 7841	TestNo: NWTPH-Dx/Si	SW3510C	Analysis Date: 7/21/2014	SeqNo: 210629						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers: B Analyte detected in the associated Method Blank
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery

QC SUMMARY REPORT

WO#: 1407124

23-Jul-14

Specialty Analytical

Client: Maul Foster & Alongi

Project: Schmid - 32nd St / 0564.02.01

TestCode: DXLLSIL_W

Sample ID: LCSD-7841	SampType: LCSD	TestCode: DXLLSIL_W	Units: mg/L	Prep Date: 7/21/2014	RunNo: 16066						
Client ID: LCSS02	Batch ID: 7841	TestNo: NWTPH-Dx/Si SW3510C	Analysis Date: 7/21/2014	SeqNo: 210629							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	1.03	0.0800	1.000	0	103	60.7	121	0.9766	5.61	20	
Lube Oil	1.08	0.200	1.000	0	108	64	126	0.9853	9.48	20	

Sample ID: CCV	SampType: CCV	TestCode: DXLLSIL_W	Units: mg/L	Prep Date:	RunNo: 16066						
Client ID: CCV	Batch ID: 7841	TestNo: NWTPH-Dx/Si SW3510C	Analysis Date: 7/21/2014	SeqNo: 210631							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel	7.38	0.0800	8.000	0	92.2	85	115				
Lube Oil	4.56	0.200	4.000	0	114	85	115				

Qualifiers: B Analyte detected in the associated Method Blank
O RSD is greater than RSDlimit

H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery

KEY TO FLAGS

Rev. May 12, 2010

- A This sample contains a Gasoline Range Organic not identified as a specific hydrocarbon product. The result was quantified against gasoline calibration standards
- A1 This sample contains a Diesel Range Organic not identified as a specific hydrocarbon product. The result was quantified against diesel calibration standards.
- A2 This sample contains a Lube Oil Range Organic not identified as a specific hydrocarbon product. The result was quantified against a lube oil calibration standard.
- A3 The result was determined to be Non-Detect based on hydrocarbon pattern recognition. The product was carry-over from another hydrocarbon type.
- A4 The product appears to be aged or degraded diesel.
- B The blank exhibited a positive result great than the reporting limit for this compound.
- CN See Case Narrative.
- D Result is based from a dilution.
- E Result exceeds the calibration range for this compound. The result should be considered as estimate.
- F The positive result for this hydrocarbon is due to single component contamination. The product does not match any hydrocarbon in the fuels library.
- G Result may be biased high due to biogenic interferences. Clean up is recommended.
- H Sample was analyzed outside recommended holding time.
- HT At clients request, samples was analyzed outside of recommended holding time.
- J The result for this analyte is between the MDL and the PQL and should be considered as estimated concentration.
- K Diesel result is biased high due to amount of Oil contained in the sample.
- L Diesel result is biased high due to amount of Gasoline contained in the sample.
- M Oil result is biased high due to amount of Diesel contained in the sample.
- MC Sample concentration is greater than 4x the spiked value, the spiked value is considered insignificant.
- MI Result is outside control limits due to matrix interference.
- MSA Value determined by Method of Standard Addition.
- O Laboratory Control Standard (LCS) exceeded laboratory control limits, but meets CCV criteria. Data meets EPA requirements.
- Q Detection levels elevated due to sample matrix.
- R RPD control limits were exceeded.
- RF Duplicate failed due to result being at or near the method-reporting limit.
- RP Matrix spike values exceed established QC limits; post digestion spike is in control.
- S Recovery is outside control limits.
- SC Closing CCV or LCS exceeded high recovery control limits, but associated samples are non-detect. Data meets EPA requirements.
- * The result for this parameter was greater than the maximum contaminant level of the TCLP regulatory limit.

APPENDIX C

DATA VALIDATION MEMORANDA



DATA QUALITY ASSURANCE/QUALITY CONTROL REVIEW

PROJECT NO. 0564.01 | MAY 21, 2012 | 32ND STREET SHOP | SCHMID FAMILY LIMITED PARTNERSHIP I, LLC

This report reviews the analytical results for soil and groundwater samples collected by the Maul Foster & Alongi, Inc. project team at the 32nd Street site. The samples were collected in April 2012.

Specialty Analytical (SA) performed the analyses. SA report numbers 1204114rev1, 1204123, 1204178, 1204179, 1204192, 1204193, 1204206, 1204207, and 1204262 were reviewed. The analyses performed are listed below.

Analysis	Reference
Diesel- and lube-oil-range organics (Dx)	NWTPH-Dx
Gasoline-range organics (Gx)	NWTPH-Gx
Hydrocarbon identification (HCID)	NWTPH-HCID
Volatile organic compounds	USEPA 8260B
Total metals	USEPA 6010
Total mercury	USEPA 7471
Semivolatile organic compounds	USEPA 8270D
Polychlorinated biphenyls	USEPA 8082

NWTPH = Northwest Total Petroleum Hydrocarbons.

USEPA = U.S. Environmental Protection Agency.

DATA QUALIFICATIONS

Analytical results were evaluated according to applicable sections of USEPA procedures (USEPA, 2008, 2010), and appropriate laboratory and method-specific guidelines (SA, 2012; USEPA, 1986). The data are considered acceptable for their intended use, with the appropriate data qualifiers assigned.

HOLDING TIMES, PRESERVATION, AND SAMPLE STORAGE

Holding Times

Sample SS01-S-0.0 presented in analytical lab report 1204114rev1 was analyzed by USEPA Method 8270D (12 days past recommended holding time [HT]) and Method 8260B (14 days past recommended HT) outside recommended HTs. The reviewer has qualified the sample "R," as rejected and unusable. Sample GP01-S-7.5 from lab report 1204178 was analyzed by USEPA Method 8270D (six days past recommended HT) and Method 8260B (six days past recommended HT). The reviewer has qualified the samples "J," as estimated. Similarly, in report 1204206, the analyte naphthalene was reported outside recommended HTs. The

reviewer has qualified the analyte “J,” as estimated. All other extractions and analyses were performed within the recommended HT criteria.

Preservation and Sample Storage

The samples were preserved and stored appropriately.

BLANKS

Method Blanks

Laboratory method blank analyses were performed at the required frequencies. N-butylbenzene was detected in a laboratory method blank by USEPA Method 8260. The quality control (QC) sample detecting n-butylbenzene was part of batch QC for samples contained in laboratory reports 1204178, 1204207, and 1204262. All associated sample results were non-detect. The reviewer took no action based on method blank detection. No target analytes were detected above the laboratory reporting limits (RLs).

Trip Blanks

Trip blanks were not taken as part of this sampling event.

Equipment Rinsate Blanks

Equipment rinsate blanks were not taken as part of this sampling event.

SURROGATE RECOVERY RESULTS

The samples were spiked with surrogate compounds to evaluate laboratory performance on individual samples.

The laboratory appropriately documented and qualified surrogate outliers. Associated batch quality assurance/QC for samples with surrogate outliers were within acceptance limits. All remaining surrogate recoveries were within acceptance limits.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS

MS/MSD results are used to evaluate laboratory precision and accuracy. All MS/MSD samples were extracted and analyzed at the required frequency. Various recovery results were outside acceptance limits because of one or more of the following:

- The analyte concentration in the sample was significantly higher than the added spike concentration, preventing accurate evaluation of the spike recovery.
- Matrix interferences prevented accurate quantitation of the spike recovery.

The reviewer took no action based on MS/MSD outliers, as batch laboratory control sample (LCS) percent recoveries were within acceptance limits and remaining MS/MSD results were

within acceptance limits for percent recovery and relative percent difference (RPD). In cases of MS/MSD exceedances, the laboratory appropriately documented and qualified the outliers.

LABORATORY DUPLICATE RESULTS

Duplicate results are used to evaluate laboratory precision. All duplicate samples were extracted and analyzed at the required frequency. Except for minor exceedances, all RPDs were within acceptance limits.

LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE RESULTS

An LCS/LCSD is spiked with target analytes to provide information on laboratory precision and accuracy. The LCS/LCSD samples were extracted and analyzed at the required frequency. In several reports, benzene was below the lower limit for LCS recovery (79.7 percent vs. 80.0 percent). The reviewer took no action, as the exceedance was minor. All other LCS/LCSD analytes were within acceptance limits for percent recovery.

FIELD DUPLICATE RESULTS

Field duplicate samples were not taken for this event.

REPORTING LIMITS

The laboratories used routine RLs for non-detect results, except for samples requiring dilutions because of high analyte concentrations and/or matrix interferences. In report 1204192, three samples (GP14-S-8.5, GP14-S-4.0, and GP15-S-4.5), and in report 1204207, two samples (GP10-S-8.5 and GP13-S-4.0), had raised RLs because of sample matrix interference. Sample matrices reduced the instrument's ability to recover internal standard, thus making the analyst rerun at a dilution until proper recovery was obtained.

DATA PACKAGE

The data packages were reviewed for transcription errors, omissions, and anomalies. None were found.

REFERENCES

- SA. 2012. Quality assurance manual. Specialty Analytical.
- USEPA. 1986. Test methods for evaluating solid waste: physical/chemical methods. EPA-530/SW-846. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response. September (revision 6, February 2007).
- USEPA. 2008. USEPA contract laboratory program, national functional guidelines for organics data review. EPA 540/R-08/01. U.S. Environmental Protection Agency, Office of Emergency and Remedial Response. June.
- USEPA. 2010. USEPA contract laboratory program national functional guidelines for inorganic superfund data review. EPA 540/R-10/011. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. January.

DATA QUALITY ASSURANCE/QUALITY CONTROL REVIEW

PROJECT NO. 0564.02.01 | NOVEMBER 20, 2013 | SCHMID FAMILY LIMITED PARTNERSHIP I, LLC

This report reviews the analytical results for groundwater, soil, and soil gas samples collected by the Maul Foster & Alongi, Inc. project team on the 32nd Street property located in Washougal, Washington. The samples were collected in October 2013.

Eurofins Air Toxics, Inc. (AT) and Specialty Analytical, Inc. (SA) performed the analyses. AT report numbers 1310289AR1, 1310289B, 1310289C, and 1310289D and SA report numbers 1310136 and 1310150 were reviewed. The analyses performed are listed below. Some analyses may not have been performed on all samples.

Analysis	Reference
Diesel and Lube Oil	NWTPH-Dx
Dissolved Metals	USEPA 6020A
Gasoline	NWTPH-Gx
Polycyclic Aromatic Hydrocarbons	USEPA 8270D
Polychlorinated Biphenyls	USEPA 8082A
Total Petroleum Hydrocarbon Identification	NWTPH-HCID
Volatile Organic Compounds	USEPA 8260B
Natural Gases	ASTM D1945 Modified
Permanent Gases	ASTM D1946 Modified
Sulfur Gases	ASTM D5504 Modified
Volatile Organic Compounds in Ambient Air	USEPA TO-15/TO-15 SIM Modified

ASTM = American Society for Testing and Materials.

HCID = hydrocarbon identification.

NWTPH = Northwest Total Petroleum Hydrocarbons.

SIM = selective ion monitoring.

USEPA = U.S. Environmental Protection Agency.

DATA QUALIFICATIONS

Analytical results were evaluated according to applicable sections of USEPA procedures (USEPA, 2008, 2010) and appropriate laboratory and method-specific guidelines (AT, 2013; SA, 2013; 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 methods). The data are considered acceptable for their intended use, with the appropriate data qualifiers assigned.

Some NWTPH-Dx diesel- and lube-oil-range organics and NWTPH-Gx gasoline-range organics results were identified and documented by the laboratory as containing compounds not identified as specific hydrocarbon products.

The samples reported in 1310289AR1 and 1310289B were collected in canisters under a helium shroud to detect leaks in the collection system. The samples were non-detect for helium.

In report 1310289R1, the laboratory reported a “J”-qualified USEPA Method TO-15 SIM trichloroethene result for sample GP-25-SG-15. The reviewer confirmed with the laboratory that the result was below the method reporting limit, which is 0.33 microgram per cubic meter ($\mu\text{g}/\text{m}^3$). The result was qualified by the reviewer as follows:

Sample	Component	Original Result ($\mu\text{g}/\text{m}^3$)	Qualified Result ($\mu\text{g}/\text{m}^3$)
GP-25-SG-15	Trichloroethene	0.33 J	0.33 U

J = estimated.

U = non-detect.

HOLDING TIMES, PRESERVATION, AND SAMPLE STORAGE

Holding Times

In report 1310136, samples GP22-S-5, GP22-S-13.5, and GP-SS-S-18 exceeded the recommended holding time from sampling to extraction by four days for NWTPH-Dx, USEPA Method 8270D, and USEPA Method 8082A. In report 1310150, several samples exceeded the recommended holding time for NWTPH-Gx and USEPA 8260B by one day, and exceeded the recommended holding time from sampling to extraction by nine days for USEPA Method 8270D. The following samples have been qualified with “J,” as estimated, for all detected results, and with “UJ,” as estimated, for all non-detect results:

Report	Sample	Method	Detected Results	Non-detect Results
1310136	GP22-S-5	NWTPH-Dx	J	UJ
1310136	GP22-S-5	USEPA 8270D	J	UJ
1310136	GP22-S-5	USEPA 8082A	J	UJ
1310136	GP22-S-13	NWTPH-Dx	J	UJ
1310136	GP22-S-13	USEPA 8270D	J	UJ
1310136	GP22-S-13	USEPA 8082A	J	UJ
1310136	GP22-S-18	NWTPH-Dx	J	UJ
1310136	GP22-S-18	USEPA 8270D	J	UJ
1310136	GP22-S-18	USEPA 8082A	J	UJ
1310150	GP21-W	NWTPH-Gx	J	UJ
1310150	GP21-W	USEPA 8270D	J	UJ
1310150	GP21-W	USEPA 8260B	J	UJ
1310150	GP18-W	NWTPH-Gx	J	UJ
1310150	GP18-W	USEPA 8270D	J	UJ

Report	Sample	Method	Detected Results	Non-detect Results
1310150	GP18-W	USEPA 8260B	J	UJ
1310150	GP19-W	NWTPH-Gx	J	UJ
1310150	GP18-S-7.5	NWTPH-Gx	J	UJ
1310150	GP19-S-12	NWTPH-Gx	J	UJ
1310150	GP20-S-7.5	NWTPH-Gx	J	UJ
1310150	GP20-W	NWTPH-Gx	J	UJ

J = estimated.

U = non-detect.

The remaining extractions and analyses were performed within the recommended holding time criteria.

Preservation and Sample Storage

The samples were preserved and stored appropriately.

BLANKS

Method Blanks

Laboratory method blank analyses were performed at the required frequencies. For purposes of data qualification, the method blank was associated with all samples prepared in the analytical batch. All laboratory method blanks were non-detect.

Continuing Calibration Blanks

Continuing calibration blanks (CCBs) were provided for some analyses. All CCBs were non-detect.

Trip Blanks

A trip blank was submitted with sample delivery group 1310150. The trip blank was not analyzed.

Equipment Rinsate Blanks

Equipment rinsate blanks were not required for this sampling event, as all samples were collected using dedicated, single-use equipment.

SURROGATE RECOVERY RESULTS

When appropriate, individual samples were spiked with surrogate compounds to evaluate laboratory performance. The reviewer took no action based on minor surrogate outliers or surrogate percent recoveries that were outside acceptance limits because of matrix interference. The laboratory appropriately documented and qualified surrogate outliers.

Associated batch quality assurance/quality control for samples with surrogate outliers were within acceptance limits.

In report 1310289AR1, the laboratory noted that surrogate 1,2-dichloroethane-d4 exceeded the percent recovery acceptance limits for sample GP-25-SG-15 in both the USEPA Method TO-15 and TO-15 SIM scans because of high levels of hydrocarbon matrix interference. The exceedances were relatively minor and the remaining surrogates were within acceptance limits; thus, no results were qualified.

All remaining surrogate recoveries were within acceptance limits.

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. Soil MS/MSD relative percent differences (RPDs) were assessed against an RPD acceptance limit of 35%. Minor MS/MSD RPD exceedances were not qualified by the reviewer.

In report 1310136, the USEPA Method 8082A MS/MSD exceeded the upper acceptance limit for percent recovery and the RPD acceptance limit for Aroclor 1016/1260 because of matrix interference. The remaining batch quality control met acceptance criteria; thus, the associated results were not qualified.

All remaining MS/MSD recoveries were within acceptance limits for percent recovery and RPDs.

LABORATORY DUPLICATE RESULTS

Duplicate results are used to evaluate laboratory precision. All laboratory duplicate samples were extracted and analyzed at the required frequency. Soil laboratory duplicate RPDs were assessed against an RPD acceptance limit of 35%. Minor laboratory duplicate RPD exceedances were not qualified by the reviewer.

In report 1310136, one of the NWTPH-HCID laboratory duplicates analyzed on 10/17/2013 exceeded the RPD acceptance limits for diesel and lube oil. NWTPH-HCID results are qualitative and the remaining batch QC results were within acceptance limits; thus, no results were qualified.

In report 1310136, some NWTPH-Dx soil laboratory duplicates exceeded RPD acceptance limits for diesel and lube oil. The following results were qualified:

Report	Sample	Component	Original Result (mg/kg)	Qualified Result (mg/kg)
1310136	TP-S-3A	Diesel	436	436 J
1310136	SS-18	Lube Oil	64.4	64.4 J

mg/kg = milligrams per kilogram.

In report 1310150, the NWTPH-Gx soil laboratory duplicate exceeded RPD acceptance limits because of matrix interference. The associated sample was qualified “J,” as estimated, for gasoline. The remaining batch quality control results were within acceptance limits; thus, no additional results were qualified.

Report	Sample	Component	Original Result (mg/kg)	Qualified Result (mg/kg)
1310150	GP18-S-7.5	Gasoline	34.5	34.5 J

J = estimated.

The remaining laboratory duplicates were within acceptance limits for RPD.

LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE RESULTS

A laboratory control sample/laboratory control sample duplicate (LCS/LCSD) is spiked with target analytes to provide information on laboratory precision and accuracy. The LCS/LCSD samples were extracted and analyzed at the required frequency. Soil LCS/LCSD RPDs were assessed against an RPD acceptance limit of 35%. Minor exceedances of percent recovery and RPD were not qualified.

FIELD DUPLICATE RESULTS

Field duplicate samples measure both field and laboratory precision. Field duplicates were not submitted for analysis.

CONTINUING CALIBRATION VERIFICATION RESULTS

Continuing calibration verification (CCV) results are used to demonstrate instrument precision and accuracy through the end of the sample batch. All CCVs were within acceptance limits for percent recovery.

REPORTING LIMITS

AT used target reporting limits (RLs) for non-detect results. Samples requiring dilutions because of high analyte concentrations and/or matrix interferences had elevated RLs. USEPA Method TO-15/TO-15 SIM RLs were elevated because of residual canister vacuum.

SA used routine RLs for non-detect results, except when samples required dilutions because of limited sample or extract volume, high analyte concentrations, and/or matrix interferences. In report 1310136, some NWTPH-Dx RLs were raised because of carryover.

DATA PACKAGE

The data packages were reviewed for transcription errors, omissions, and anomalies.

No issues were found.

REFERENCES

- AT. 2013. Quality assurance manual. Eurofins Air Toxics, Inc., Folsom, California.
- SA. 2013. Quality assurance manual. Specialty Analytical, Inc., Clackamas, Oregon.
- USEPA. 1986. Test methods for evaluating solid waste: physical/chemical methods. EPA-530/SW-846. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response. September (revision 6, February 2007).
- USEPA. 2008. USEPA contract laboratory program, national functional guidelines for organics data review. EPA 540/R-08/01. U.S. Environmental Protection Agency, Office of Emergency and Remedial Response. June.
- USEPA. 2010. USEPA contract laboratory program national functional guidelines for inorganic superfund data review. EPA 540/R-10/011. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. January.

DATA QUALITY ASSURANCE/QUALITY CONTROL REVIEW

PROJECT NO. 0564.02.01 | AUGUST 8, 2014 | 32ND STREET SHOP | SCHMID FAMILY LIMITED PARTNERSHIP I, LLC

This report reviews the analytical results for groundwater and soil gas samples collected by the Maul Foster & Alongi, Inc. project team at the 32nd Street property on behalf of Schmid Family Limited Partnership I, LLC. The samples were collected in March and July 2014.

Specialty Analytical, Inc. (SA) and Eurofins Air Toxics, Inc. (AT) performed the analyses. SA report numbers 1403173rev1 and 1407124 and AT report numbers 1403264A_d and 1403264B_d were reviewed. The analyses performed and samples analyzed are listed below. Some analyses may not have been performed on all samples.

Analysis	Reference
Volatile Organic Compounds	USEPA TO-15 SIM Modified
Diesel and Lube Oil/Diesel and Lube Oil with Silica-Gel	NWTPH-Dx/NWTPH-Dx SIL
Permanent Gases	ASTM D-1946 Modified
Total Metals	USEPA 6020

ASTM = American Society for Testing and Materials.

NWTPH = Northwest Total Petroleum Hydrocarbons.

SIM = selective ion monitoring.

USEPA = U.S. Environmental Protection Agency.

SDG No. 1403173	SDG No. 1403264A_d / 1403264B_d	SDG No. 1407124
MW01	GP-30	MW07
MW02	GP-31	-
MW03	GP-29	-
MW04	GP-28	-
MW05	-	-
MW06	-	-

SDG = Sample delivery group.

DATA QUALIFICATIONS

Analytical results were evaluated according to applicable sections of USEPA procedures (USEPA, 2008, 2010), and appropriate laboratory and method-specific guidelines (AT, 2014; SA, 2014; 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., ASTM D-1946 Modified, NWTPH, and TO-15 SIM Modified analyses).

Samples submitted to AT for reports 1403264A_d and 1403264B_d were collected under a helium shroud to detect leaks in the collection system. The samples were non-detect for helium.

The data are considered acceptable for their intended use, with the appropriate data qualifiers assigned.

HOLDING TIMES, PRESERVATION, AND SAMPLE STORAGE

Holding Times

All extractions and analyses were performed within the recommended holding time criteria.

Preservation and Sample Storage

The samples were preserved and stored appropriately.

BLANKS

Method Blanks

Laboratory method blank analyses were performed at the required frequencies.

In report 1403173rev1, the NWTPH-Dx method blank analyzed on March 24, 2014, had a diesel-range detection of 0.109 mg/L (milligrams per liter). The detection was identified by the laboratory as nonpetroleum in nature. The method blank and samples with diesel detections were treated with silica gel and reanalyzed for NWTPH-Dx. The original method blank was associated with samples that were non-detect for diesel, and the silica-gel treated method blank was non-detect; thus, no results were qualified.

The remaining laboratory method blanks were non-detect.

Trip Blanks

Trip blanks were not submitted for these sampling events because samples were not analyzed for volatile organic compounds.

Equipment Rinsate Blanks

Equipment rinsate blanks were not collected as part of this sampling event.

SURROGATE RECOVERY RESULTS

The samples were spiked with surrogate compounds to evaluate laboratory performance on individual samples. The laboratory appropriately documented and qualified surrogate outliers. All surrogate percent recoveries were within acceptance limits.

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. All MS/MSD samples were within acceptance limits for percent recovery and relative percent difference (RPD).

LABORATORY DUPLICATE RESULTS

Duplicate results are used to evaluate laboratory precision. All duplicate samples were extracted and analyzed at the required frequency. All laboratory duplicate RPDs were within acceptance limits.

LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE RESULTS

A laboratory control sample/laboratory control sample duplicate (LCS/LCSD) is spiked with target analytes to provide information on laboratory precision and accuracy. The LCS/LCSD samples were extracted and analyzed at the required frequency. All LCS/LCSD analytes were within acceptance limits for percent recovery and RPD.

FIELD DUPLICATE RESULTS

Field duplicate samples were not collected for this sampling event.

REPORTING LIMITS

The laboratories used routine reporting limits for non-detect results, except for samples requiring dilutions because of high analyte concentrations and/or matrix interferences.

DATA PACKAGE

The data packages were reviewed for transcription errors, omissions, and anomalies.

In report 1403173, the chain of custody requested only diesel analysis for samples MW01, MW02, and MW03. The samples were analyzed and reported for both diesel and lube oil.

The chain of custody submitted for 1403264A_d and 1403264B_d contain the incorrect soil gas analysis. The correct analyses were reported by the laboratory based on project information submitted to the laboratory.

No additional issues were found.

REFERENCES

- AT. 2014. Quality assurance manual. Eurofins Air Toxics, Inc., Folsom, California.
- SA. 2014. Quality assurance manual. Specialty Analytical, Inc., Clackamas, Oregon.
- USEPA. 1986. Test methods for evaluating solid waste: physical/chemical methods. EPA-530/SW-846. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response. September (revision 6, February 2007).
- USEPA. 2008. USEPA contract laboratory program, national functional guidelines for organics data review. EPA 540/R-08/01. U.S. Environmental Protection Agency, Office of Emergency and Remedial Response. June.
- USEPA. 2010. USEPA contract laboratory program national functional guidelines for inorganic superfund data review. EPA 540/R-10/011. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. January.

APPENDIX D

TERRESTRIAL ECOLOGICAL EVALUATION



TERRESTRIAL ECOLOGICAL EVALUATION

A site-specific terrestrial ecological evaluation (TEE) for the site located at the 32nd Street Shop/Office property at 1411 32nd Street, Washougal, Washington (herein referred to as the Property) was performed following the procedures outlined in Washington Administrative Code (WAC) 173-340-7490 and WAC 173-340-7493. The purpose of this TEE is to present sufficient information to evaluate the ecological protectiveness of the remedial alternatives being evaluated for the Property (see WAC 173-340-7490(1)(b)). The TEE includes problem formulation and an ecological screening evaluation (WAC 173-340-7493(1)(c)).

PROBLEM FORMULATION

One of the early steps in any ecological evaluation is problem formulation (U.S. Environmental Protection Agency [USEPA], 1997). Problem formulation involves identifying chemicals of ecological concern (CECs), describing pathways by which ecological receptors may contact CECs in soil, and identifying current or potential future terrestrial ecological receptors that may contact soil (WAC 173-340-7493(2)). The conceptual site model is described in the remedial investigation and feasibility study report Section 4, and other aspects of problem formulation are described below.

Site Setting and Exposure Pathways

The 21-acre Property includes the upper former operational area of the Property (approximately 5 acres) and the lower pasture area (approximately 16 acres). The Property has been vacant since demolition of structures was completed in 2010. The Washougal River is to the west of the lower pasture area, with riparian vegetation present. The Property is bordered by 32nd Street, agricultural land, and residential areas to the east. Residential areas are southeast and north. Agricultural land is southwest.

The upper former operational area of the Property is the area of investigation and is surfaced with grass, a gravel parking area near 32nd Street, and an asphalt driveway that connects 32nd Street to the lower portion of the Property (crossing the upper portion of the Property). Due to human disturbance, low density and diversity of plants, and limited wildlife resources, potential wildlife exposures to impacted soil may be minimal in this area. However, the area's proximity to the Washougal River and a corridor of mature trees along the western portion may result in more wildlife use than is typical for disturbed sites.

A steep slope with approximately 30 feet of elevation drop separates the former operational area on the northeast portion of the Property from the lower pasture area in the southwest area of the Property, with a corridor of trees and vegetation separating these areas and extending along the southeastern property boundary. The lower portion of the Property is grassy pastureland, with some isolated trees present in the western portion. Based on the presence of a vegetated riparian corridor, priority habitat, and mature trees (see further discussion below), this area is likely to provide significant wildlife support.

The Washington State Department of Fish and Wildlife Priority Habitats and Species mapping application was queried to identify potential terrestrial species and habitats of interest in the vicinity of the Property (see Attachment 1). The Washougal River riparian area is identified as a terrestrial

habitat Biodiversity Area and Corridor, and the township is designated a spotted owl management area. Two patches of palustrine aquatic habitat were identified for the lower pasture area.

The exposure routes assessed for this TEE include plant uptake of chemicals in soil, ingestion of soil, and ingestion of chemicals in plant material or prey.

Exposure Points

The standard point of compliance for cleanup levels developed under the TEE process is from the ground surface to a depth of 15 feet. Note that when used in conjunction with institutional controls to prevent excavation of deeper soils, a conditional point of compliance may be set to a depth of 6 feet. This is assumed to be the depth to which the biologically active zone extends. For purposes of the TEE evaluation described herein, all soil samples between 0 to 15 feet below ground surface (bgs) were included in the evaluation (WAC 173-340-7490 (4)(b)).

Chemicals of Ecological Concern

According to WAC 173-340-7493(2)(a)(i), chemicals detected in soil may be eliminated from further consideration as CECs if the maximum or the upper 95 percent upper confidence limit (UCL) soil concentration found at the site does not exceed ecological indicator concentrations (EICs) for plants, soil biota, and wildlife described in Table 749-3. The Model Toxics Control Act (MTCA) also provides that natural background concentrations may be substituted for EICs provided in Table 749-3, i.e., chemicals below natural background concentrations are not selected as CECs. Additional factors evaluated when eliminating chemicals from further consideration include (WAC 173-340-703):

- The toxicological characteristics of the substance that influence its ability to adversely affect human health or the environment relative to the concentration of the substance at the site, including consideration of essential nutrient requirements;
- The chemical and physical characteristics of the substance that govern its tendency to persist in the environment;
- The chemical and physical characteristics of the hazardous substance that govern its tendency to move into and through environmental media;
- The natural background concentrations of the substance;
- The thoroughness of testing for the substance at the site;
- The frequency with which the substance has been detected at the site; and
- Degradation by-products of the substance.

Note that WAC 173-340-7493(2)(a)(i) further specifies that EICs are not cleanup levels, and concentrations that exceed EICs do not necessarily require remediation.

ECOLOGICAL SCREENING

The ecological screening evaluation was performed to identify locations where chemicals in soil were found at concentrations greater than the EICs from MTCA Table 749-3 (see the attached table). As mentioned previously, chemicals with maximum and 95 percent UCL concentrations above these

values may be considered CECs; natural background is also considered when identifying CECs. Where applicable, the USEPA ProUCL software (USEPA, 2013) was used to calculate UCLs, and output values were selected based on the software recommendations that account for data distribution.

Seven chemicals were detected in soil above the EICs and are further evaluated: arsenic, barium, chromium, lead, silver, and diesel- and gasoline-range organics (see the attached table). Detection limits for selenium were above the plant and wildlife EICs; however, selenium was not detected in any sample and is not considered further. Chemicals detected in soil above EICs were further evaluated as follows:

- **Arsenic.** Concentrations are generally consistent with or lower than natural background for Clark County (5.81 milligrams per kilogram [mg/kg]). Arsenic marginally exceeded the plant EIC of 10 mg/kg in one surface soil location (GP08-S-0.0). However, the 95 percent UCL for the site of 3.7 mg/kg is well below all EICs and natural background (see Attachment 2). Arsenic is therefore not selected as a CEC.
- **Barium.** Concentrations exceeded the wildlife EIC of 102 mg/kg in most surface and subsurface soil samples; one sample (GP12-S-7.5) exceeded the plant EIC of 500 mg/kg. A natural background concentration is not provided in Ecology's natural metal background document (Ecology, 1994); however, barium is known to occur naturally in the Pacific Northwest at concentrations well above the EICs. The Oregon Department of Environmental Quality recently derived a barium background concentration of 790 mg/kg for the nearby Portland Basin (DEQ, 2013), and a study prepared in coordination with Ecology determined a 90th percentile background concentration of 767 mg/kg for Clark County (USGS, 1997). All samples at the site are well below these natural background concentrations, and barium is not further considered.
- **Chromium.** One surface soil sample (32ND ST-SS03-S-0.0) marginally exceeded the plant and soil biota EIC of 42 mg/kg. All samples are below the wildlife EIC of 67 mg/kg. The 95 percent UCL for the site of 19.9 mg/kg is well below all EICs and the Clark County natural background (26.1 mg/kg) (see Attachment 2). Chromium is therefore not selected as a CEC.
- **Lead.** Concentrations are generally low-level, with the exception of one soil sample that exceeded the wildlife EIC of 118 mg/kg and four samples that exceeded the plant EIC of 50 mg/kg. However, the 95 percent UCL for the site of 42.1 mg/kg is well below all EICs (see Attachment 2), and lead is not selected as a CEC.
- **Silver.** Samples are generally non-detect (67 percent), with detection limits marginally above the plant EIC of 2 mg/kg. Fifteen samples were detected at concentrations (range of 2.12 mg/kg to 3.82 mg/kg) slightly above the plant EIC. The 95 percent UCL of 2.37 mg/kg (see Attachment 2) for the site is above the plant EIC. Silver is not expected to result in unacceptable risk to plants at the site, based on the following. The USEPA derived a silver ecological soil screening level (Eco-SSL) protective of plants of 560 mg/kg; this value was calculated as the geometric mean of the maximum acceptable toxicant concentration (MATC) values (USEPA, 2006). MATC values are calculated as the geometric mean of both NOAEL (no observed adverse effects level) and LOAEL (lowest observed adverse effects level) values. Thus, MATC values are more conservative

(i.e., protective) than the LOAEL values WAC 173-340-7493(4) specifies for use, and Eco-SSLs are therefore protective of the conservative end of the exposure and effects species distribution. Note that the USEPA criteria were published in 2006, whereas the criteria in Table 749-3 rely on toxicological benchmarks published by the Oak Ridge National Laboratory in 1997. Based on low detection frequency (33 percent) and values two orders of magnitude below USEPA criteria protective of plants, silver is not expected to result in unacceptable risk to plants and is not further considered.

- **Diesel-range organics.** Five of 23 samples exceeded the soil biota EIC of 200 mg/kg, whereas all samples are well below the wildlife EIC of 6,000 mg/kg, indicating that unacceptable risks to wildlife should not be expected. The largest exceedance occurs at GP01-S-7.5 (3,990 mg/kg), which is below the typical depth of the biologically active zone of up to 6 feet bgs. Exceedances at three locations occurred at depths of less than 6 feet bgs and were less than one order of magnitude above the EIC. Based on exceedance of the soil biota EIC, diesel-range organics are selected as a CEC for the site.
- **Gasoline-range organics.** One sample (GP01-S-7.5) at 272 mg/kg exceeded the soil biota EIC of 100 mg/kg; all samples are well below the wildlife EIC of 65,000 mg/kg, indicating unacceptable risks to wildlife should not be expected. The exceedance at GP01-S-7.5 is below the typical depth of the biologically active zone of up to 6 feet bgs. However, based on exceedance of the soil biota EIC, gasoline-range organics are selected as a CEC for the site.

In summary, volatile organic compounds and polychlorinated biphenyls were found at concentrations below EICs. Maximum detections or 95 percent UCLs for metals were below EICs or natural background values, with the exception of selenium (which was non-detect in all samples) and silver (which was detected at concentrations well below USEPA criteria protective of plants).

Diesel- and gasoline-range organics exceeded soil biota EICs (but not wildlife EICs) in a total of five sample locations and were therefore selected as CECs. The greatest exceedances occurred in sample location GP01-S-7.5, which is below the biologically active zone. However, samples from up to 15 feet bgs were evaluated, as this depth represents a reasonable estimate of the depth of soil that could be excavated and distributed at the soil surface (WAC 173-340-7490(4)(b)). Other sample locations that may pose unacceptable risk to soil biota because of diesel-range organics impacts are GP15-S-2.0, GP18-S-7.5, SS01-S-0.0, and TP-S-3A.

REMEDY EVALUATION AND RISK CHARACTERIZATION

WAC 173-340-7493(1)(a)(i) specifies that no further site-specific TEE is necessary if the cleanup action developed for the protection of human health will eliminate exposure pathways of concern to all of the soil contamination. The five sample locations exceeding soil biota EICs for diesel- and gasoline-range organics are further discussed below in the context of the proposed cleanup Alternative 3 (see the main text for details):

- **GP01-S-7.5 and GP18-S-7.5.** These locations would be removed as part of the former diesel underground storage tank soil removal action to approximately 15 feet below bgs.
- **GP15-S-2.0 and TP-S-3A.** These locations would be removed as part of the shallow soil removal (to approximately 5 feet bgs) near the water cistern.

- **SS01-S-0.0.** This location is near a former outfall and would not be removed under the proposed cleanup alternative designed for protective of human health.

To account for potential ecological risks at SS01-S-0.0, it is proposed that surface soils be excavated at this location. Note that the diesel-range organics concentration at this location (317 mg/kg) is marginally above the soil biota EIC of 200 mg/kg, and impacts likely are limited to surface deposition associated with the former outfall.

As summarized above, the proposed cleanup Alternative 3 and additional excavation at SS01-S-0.0 would account for EIC exceedances. Following implementation of these cleanup actions, unacceptable risk to ecological receptors would not be expected under current or future scenarios.

REFERENCES

DEQ. 2013. Development of Oregon background metals concentrations in soil. Fact sheet. Environmental Cleanup Program. Oregon Department of Environmental Quality. March 20.

Ecology. 1994. Natural background soil metals concentrations in Washington State. Publication No. 94-115. Prepared by Washington State Department of Ecology. October.

USEPA. 1997. Ecological risk assessment guidance for Superfund: process for designing and conducting ecological risk assessments. Interim final. EPA 540-R-97-006. Office of Solid Waste and Emergency Response, U.S. Environmental Protection Agency, Washington DC. June.

USEPA. 2006. Ecological Soil Screening Levels for Silver. Interim Final. OSWER Directive 9285.7-77. Office of Solid Waste and Emergency Response. September.

USEPA. 2013. ProUCL. Technical guide. Vers. 5.0. EPA/600/R-07/041. Office of Research and Development, U.S. Environmental Protection Agency, Washington DC. September.

USGS. 1997. Statistical analysis and areal trends of background concentrations of metals in soils of Clark County, Washington. Water-Resources Investigations Report 96-4252. Prepared in cooperation with Washington State Department of Ecology. U.S. Geological Survey, Tacoma, Washington.

TABLE

SOIL ANALYTICAL RESULTS



Table
Soil Analytical Results
32nd Street Property
Schmid Family Limited Partnership I, LLC

Location Sample Name Date Collected Depth (feet bgs)						GP-01		GP-02		GP-03		GP-04		GP-05		GP-06
						GP01-S-0.0	GP01-S-7.5	GP02-S-0.0	GP02-S-7.5	GP03-S-1.0	GP03-S-4.0	GP04-S-1.0	GP04-S-4.0	GP05-S-1.0	GP05-S-5.0	GP06-S-1.0
						04/18/2012	04/18/2012	04/18/2012	04/18/2012	04/19/2012	04/20/2012	04/19/2012	04/20/2012	04/19/2012	04/20/2012	04/18/2012
						0	7.5	0	7.5	1	4	1	4	1	5	1
Analyte	Ecological, Plant	Ecological, Soil Biota	Ecological, Wildlife	Ecology Background Metals ^a	95 Percent UCL ^b											
Metals (mg/kg)																
Arsenic	10 ^a	60 ^c	132 ^c	5.81	3.7	2.13 U	3.85	2.45 U	2.62 U	6.91	6.92	2.25 U	6.49	2.28 U	5.36	2.36 U
Barium	500	NV	102	NV ^d	NC	126	400	309	319	246	266	190	321	158	239	220
Cadmium	4	20	14	0.93	NC	0.107 U	0.125 U	0.123 U	0.131 U	0.109 U	0.122 U	0.113 U	0.131 U	0.194	0.124 U	0.118 U
Chromium	42	42	67	26.6	19.9	9.42	30.1	22.3	28	23.7	21	17.9	21.4	19.9	21	15.9
Lead	50	500	118	24.0	42.1	2.98	2.7	5.33	4.19	47.8	3.53	6.83	3.27	208	5.48	2.36 U
Mercury	0.3	0.1	5.5	0.04	NC	0.017 U	0.0221 U	0.0215	0.0227 U	0.0257	0.0494	0.0227	0.0314	0.0521	0.0281	0.0199 U
Selenium	1	70	0.3	NV	NC	2.13 U	2.49 U	2.45 U	2.62 U	2.18 U	2.43 U	2.25 U	2.61 U	2.28 U	2.48 U	2.36 U
Silver	2	NV	NV	NV	NC	2.13 U	2.49 U	2.45 U	2.62 U	2.18 U	2.43 U	2.25 U	2.61 U	2.28 U	2.48 U	2.36 U
Volatile Organic Compounds (ug/kg)																
1,1,1,2-Tetrachloroethane	NV	NV	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
1,1,1-Trichloroethane	NV	NV	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
1,1,2,2-Tetrachloroethane	NV	NV	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
1,1,2-Trichloroethane	NV	NV	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
1,1-Dichloroethane	NV	NV	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
1,1-Dichloroethene	NV	NV	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
1,1-Dichloropropene	NV	NV	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
1,2,3-Trichlorobenzene	NV	20000	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
1,2,3-Trichloropropane	NV	NV	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
1,2,4-Trichlorobenzene	NV	20000	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
1,2,4-Trimethylbenzene	NV	NV	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
1,2-Dibromo-3-chloropropane	NV	NV	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
1,2-Dibromoethane	NV	NV	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
1,2-Dichlorobenzene	NV	NV	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
1,2-Dichloroethane	NV	NV	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
1,2-Dichloropropane	NV	700000	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
1,3,5-Trimethylbenzene	NV	NV	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
1,3-Dichlorobenzene	NV	NV	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
1,3-Dichloropropane	NV	NV	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
1,4-Dichlorobenzene	NV	20000	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
2,2-Dichloropropane	NV	NV	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
2-Butanone	NV	NV	NV	NA	NC	41.9 U	52.4 UJ	--	--	39.6 U	40.7 U	39.9 U	41.2 U	36.2 U	40.6 U	--
2-Chlorotoluene	NV	NV	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
2-Hexanone	NV	NV	NV	NA	NC	21 U	26.2 UJ	--	--	19.8 U	20.3 U	20 U	20.6 U	18.1 U	20.3 U	--
4-Chlorotoluene	NV	NV	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
4-Isopropyltoluene	NV	NV	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
4-Methyl-2-pentanone	NV	NV	NV	NA	NC	41.9 U	52.4 UJ	--	--	39.6 U	40.7 U	39.9 U	41.2 U	36.2 U	40.6 U	--
Acetone	NV	NV	NV	NA	NC	105 U	131 UJ	--	--	99.1 U	102 U	99.8 U	103 U	90.6 U	152	--
Benzene	NV	NV	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
Bromobenzene	NV	NV	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--

Table
Soil Analytical Results
32nd Street Property
Schmid Family Limited Partnership I, LLC

Location Sample Name Date Collected Depth (feet bgs)						GP-01		GP-02		GP-03		GP-04		GP-05		GP-06
						GP01-S-0.0	GP01-S-7.5	GP02-S-0.0	GP02-S-7.5	GP03-S-1.0	GP03-S-4.0	GP04-S-1.0	GP04-S-4.0	GP05-S-1.0	GP05-S-5.0	GP06-S-1.0
						04/18/2012	04/18/2012	04/18/2012	04/18/2012	04/19/2012	04/20/2012	04/19/2012	04/20/2012	04/19/2012	04/20/2012	04/18/2012
						0	7.5	0	7.5	1	4	1	4	1	5	1
Analyte	Ecological, Plant	Ecological, Soil Biota	Ecological, Wildlife	Ecology Background Metals ^a	95 Percent UCL ^b											
Bromodichloromethane	NV	NV	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
Bromoform	NV	NV	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
Bromomethane	NV	NV	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
Carbon disulfide	NV	NV	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
Carbon tetrachloride	NV	NV	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
Chlorobenzene	NV	40000	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
Chlorobromomethane	NV	NV	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
Chloroethane	NV	NV	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
Chloroform	NV	NV	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
Chloromethane	NV	NV	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
cis-1,2-Dichloroethene	NV	NV	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
cis-1,3-Dichloropropene	NV	NV	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
Dibromochloromethane	NV	NV	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
Dibromomethane	NV	NV	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
Dichlorodifluoromethane	NV	NV	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
Ethylbenzene	NV	NV	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
Hexachlorobutadiene	NV	NV	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
Isopropylbenzene	NV	NV	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
m,p-Xylene	NV	NV	NV	NA	NC	21 U	26.2 UJ	--	--	19.8 U	20.3 U	20 U	20.6 U	18.1 U	20.3 U	--
Methyl tert-butyl ether	NV	NV	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
Methylene chloride	NV	NV	NV	NA	NC	52.4 U	65.5 UJ	--	--	49.6 U	50.9 U	49.9 U	51.5 U	45.3 U	50.7 U	--
Naphthalene	NV	NV	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
n-Butylbenzene	NV	NV	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
n-Hexane	NV	NV	NV	NA	NC	--	13.1 UJ	--	--	--	--	--	--	--	--	--
n-Propylbenzene	NV	NV	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
o-Xylene	NV	NV	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
sec-Butylbenzene	NV	NV	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
Styrene	300000	NV	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
tert-Butylbenzene	NV	NV	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
Tetrachloroethene	NV	NV	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
Toluene	200000	NV	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
trans-1,2-Dichloroethene	NV	NV	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
trans-1,3-Dichloropropene	NV	NV	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
Trichloroethene	NV	NV	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
Trichlorofluoromethane	NV	NV	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
Vinyl chloride	NV	NV	NV	NA	NC	10.5 U	13.1 UJ	--	--	9.91 U	10.2 U	9.98 U	10.3 U	9.06 U	10.1 U	--
Polycyclic Aromatic Hydrocarbons (ug/kg)																
1-Methylnaphthalene	NV	NV	NV	NA	NC	7.69 U	6280 J	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	NV	NV	NV	NA	NC	7.69 U	4780 J	--	--	--	--	--	--	--	--	--
Acenaphthene	20000	NV	NV	NA	NC	7.69 U	490 J	--	--	--	--	--	--	--	--	--

Table
Soil Analytical Results
32nd Street Property
Schmid Family Limited Partnership I, LLC

Location Sample Name Date Collected Depth (feet bgs)						GP-01		GP-02		GP-03		GP-04		GP-05		GP-06
						GP01-S-0.0	GP01-S-7.5	GP02-S-0.0	GP02-S-7.5	GP03-S-1.0	GP03-S-4.0	GP04-S-1.0	GP04-S-4.0	GP05-S-1.0	GP05-S-5.0	GP06-S-1.0
						04/18/2012	04/18/2012	04/18/2012	04/18/2012	04/19/2012	04/20/2012	04/19/2012	04/20/2012	04/19/2012	04/20/2012	04/18/2012
						0	7.5	0	7.5	1	4	1	4	1	5	1
Analyte	Ecological, Plant	Ecological, Soil Biota	Ecological, Wildlife	Ecology Background Metals ^a	95 Percent UCL ^b											
Acenaphthylene	NV	NV	NV	NA	NC	7.69 U	8.81 UJ	--	--	--	--	--	--	--	--	--
Anthracene	NV	NV	NV	NA	NC	7.69 U	332 J	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	NV	NV	NV	NA	NC	7.69 U	40.5 J	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	NV	NV	12000	NA	NC	7.69 U	8.81 UJ	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	NV	NV	NV	NA	NC	7.69 U	8.81 UJ	--	--	--	--	--	--	--	--	--
Benzo(ghi)perylene	NV	NV	NV	NA	NC	7.69 U	8.81 UJ	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	NV	NV	NV	NA	NC	7.69 U	8.81 UJ	--	--	--	--	--	--	--	--	--
Chrysene	NV	NV	NV	NA	NC	7.69 U	24.6 J	--	--	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	NV	NV	NV	NA	NC	7.69 U	8.81 UJ	--	--	--	--	--	--	--	--	--
Fluoranthene	NV	NV	NV	NA	NC	7.69 U	135 J	--	--	--	--	--	--	--	--	--
Fluorene	NV	30000	NV	NA	NC	7.69 U	1380 J	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	NV	NV	NV	NA	NC	7.69 U	8.81 UJ	--	--	--	--	--	--	--	--	--
Naphthalene	NV	NV	NV	NA	NC	7.69 U	276 J	--	--	--	--	--	--	--	--	--
Phenanthrene	NV	NV	NV	NA	NC	16.1	4590 J	--	--	--	--	--	--	--	--	--
Pyrene	NV	NV	NV	NA	NC	7.69 U	408 J	--	--	--	--	--	--	--	--	--
Naphthalenes	NV	NV	NV	NA	NC	11.5 U	11336 J	--	--	--	--	--	--	--	--	--
Carcinogenic PAH TEQ	NV	NV	NV	NA	NC	5.81 U	10.5	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls (ug/kg)																
Aroclor 1016	NV	NV	NV	NA	NC	0.384 U	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	NV	NV	NV	NA	NC	0.384 U	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	NV	NV	NV	NA	NC	0.384 U	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	NV	NV	NV	NA	NC	0.384 U	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	NV	NV	NV	NA	NC	0.384 U	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	NV	NV	NV	NA	NC	0.384 U	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	NV	NV	NV	NA	NC	0.384 U	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	NV	NV	NV	NA	NC	0.384 U	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	NV	NV	NV	NA	NC	0.384 U	--	--	--	--	--	--	--	--	--	--
Total Aroclors	40000	NV	650	NA	NC	ND	--	--	--	--	--	--	--	--	--	--
Hydrocarbon Identification (Presence/Absence)																
Diesel	NA	NA	NA	NA	NC	DETECT	DETECT	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gasoline	NA	NA	NA	NA	NC	ND	DETECT	ND	ND	ND	ND	ND	ND	ND	ND	ND
Kerosene	NA	NA	NA	NA	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heavy Oil	NA	NA	NA	NA	NC	ND	ND	ND	ND	ND	ND	ND	ND	DETECT	ND	ND
Mineral Spirits	NA	NA	NA	NA	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diesel and Heavy Oil (mg/kg)																
Diesel	NV	200	6000	NA	NC	79.5	3990	--	--	--	--	--	--	79.4	--	--
Lube Oil	NV	NV	NV	NA	NC	57.6 U	66 U	--	--	--	--	--	--	356	--	--
TPH	NV	NV	NV	NA	NC	108.3	4023	--	--	--	--	--	--	435.4	--	--
Gasoline (mg/kg)																
Gasoline	NV	100	5000	NA	NC	--	272	--	--	--	--	--	--	--	--	--

Table
Soil Analytical Results
32nd Street Property
Schmid Family Limited Partnership I, LLC

Location Sample Name Date Collected Depth (feet bgs)						GP-07		GP-08		GP-09		GP-10		GP-11		GP-12	
						GP07-S-0.0	GP07-S-4.0	GP08-S-0.0	GP08-S-4.0	GP09-S-3.0	GP09-S-14.0	GP10-S-0.0	GP10-S-8.5	GP11-S-1.0	GP11-S-7.5	GP12-S-0.0	GP12-S-7.5
						04/27/2012	04/20/2012	04/27/2012	04/20/2012	04/20/2012	04/20/2012	04/27/2012	04/20/2012	04/18/2012	04/18/2012	04/18/2012	04/18/2012
						0	4	0	4	3	14	0	8.5	1	7.5	0	7.5
Analyte	Ecological, Plant	Ecological, Soil Biota	Ecological, Wildlife	Ecology Background Metals ^a	95 Percent UCL ^b												
Metals (mg/kg)																	
Arsenic	10 ^a	60 ^c	132 ^c	5.81	3.7	2.39	2.47	12.6	2.12 U	2.15 U	9.26	2.16 U	5.67	2.42 U	2.59 U	2.48 U	3.44
Barium	500	NV	102	NV ^d	NC	130	222	198	149	218	165	190	110	274	355	304	560
Cadmium	4	20	14	0.93	NC	0.267	0.105 U	0.225	0.106 U	0.14	0.121	0.108 U	0.101 U	0.121 U	0.13 U	0.124 U	0.129 U
Chromium	42	42	67	26.6	19.9	6.19	17	24.2	16.8	14.8	19.8	18.1	18.3	22.2	24.6	21.7	24.4
Lead	50	500	118	24.0	42.1	37.9	2.14	21	2.12 U	21.8	7.96	2.16 U	2.02 U	9.68	3.77	2.48 U	2.57 U
Mercury	0.3	0.1	5.5	0.04	NC	0.0164 U	0.0218	0.0754	0.0267	0.0211	0.037	0.0158	0.022	0.0223	0.0232	0.0183 U	0.0202 U
Selenium	1	70	0.3	NV	NC	2.14 U	2.1 U	2.04 U	2.12 U	2.15 U	2.21 U	2.16 U	2.02 U	2.42 U	2.59 U	2.48 U	2.57 U
Silver	2	NV	NV	NV	NC	2.8	2.61	2.2	1.98	3.82	2.33	2.16	2.65	3.12	2.59 U	2.48 U	2.57 U
Volatile Organic Compounds (ug/kg)																	
1,1,1,2-Tetrachloroethane	NV	NV	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--
1,1,1-Trichloroethane	NV	NV	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	449 U	--	--	--	--
1,1,2,2-Tetrachloroethane	NV	NV	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--
1,1,2-Trichloroethane	NV	NV	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--
1,1-Dichloroethane	NV	NV	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	449 U	--	--	--	--
1,1-Dichloroethene	NV	NV	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	449 U	--	--	--	--
1,1-Dichloropropene	NV	NV	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	449 U	--	--	--	--
1,2,3-Trichlorobenzene	NV	20000	NV	NA	NC	9.62 U	9.59	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--
1,2,3-Trichloropropane	NV	NV	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--
1,2,4-Trichlorobenzene	NV	20000	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--
1,2,4-Trimethylbenzene	NV	NV	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--
1,2-Dibromo-3-chloropropane	NV	NV	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--
1,2-Dibromoethane	NV	NV	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--
1,2-Dichlorobenzene	NV	NV	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--
1,2-Dichloroethane	NV	NV	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	449 U	--	--	--	--
1,2-Dichloropropane	NV	700000	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	449 U	--	--	--	--
1,3,5-Trimethylbenzene	NV	NV	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--
1,3-Dichlorobenzene	NV	NV	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--
1,3-Dichloropropane	NV	NV	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--
1,4-Dichlorobenzene	NV	20000	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--
2,2-Dichloropropane	NV	NV	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	449 U	--	--	--	--
2-Butanone	NV	NV	NV	NA	NC	38.5 U	37 U	38.5 U	42.4 U	36.9 U	40.6 U	44.6 U	1800 U	--	--	--	--
2-Chlorotoluene	NV	NV	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--
2-Hexanone	NV	NV	NV	NA	NC	19.2 U	18.5 U	19.2 U	21.2 U	18.5 U	20.3 U	22.3 U	18 U	--	--	--	--
4-Chlorotoluene	NV	NV	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--
4-Isopropyltoluene	NV	NV	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--
4-Methyl-2-pentanone	NV	NV	NV	NA	NC	38.5 U	37 U	38.5 U	42.4 U	36.9 U	40.6 U	44.6 U	36 U	--	--	--	--
Acetone	NV	NV	NV	NA	NC	96.2 U	92.6 U	96.1 U	106 U	92.4 U	102 U	112 U	4490 U	--	--	--	--
Benzene	NV	NV	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	449 U	--	--	--	--
Bromobenzene	NV	NV	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--

Table
Soil Analytical Results
32nd Street Property
Schmid Family Limited Partnership I, LLC

Location Sample Name Date Collected Depth (feet bgs)						GP-07		GP-08		GP-09		GP-10		GP-11		GP-12	
						GP07-S-0.0	GP07-S-4.0	GP08-S-0.0	GP08-S-4.0	GP09-S-3.0	GP09-S-14.0	GP10-S-0.0	GP10-S-8.5	GP11-S-1.0	GP11-S-7.5	GP12-S-0.0	GP12-S-7.5
						04/27/2012	04/20/2012	04/27/2012	04/20/2012	04/20/2012	04/20/2012	04/27/2012	04/20/2012	04/18/2012	04/18/2012	04/18/2012	04/18/2012
						0	4	0	4	3	14	0	8.5	1	7.5	0	7.5
Analyte	Ecological, Plant	Ecological, Soil Biota	Ecological, Wildlife	Ecology Background Metals ^a	95 Percent UCL ^b												
Bromodichloromethane	NV	NV	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	449 U	--	--	--	--
Bromoform	NV	NV	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--
Bromomethane	NV	NV	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	449 U	--	--	--	--
Carbon disulfide	NV	NV	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	449 U	--	--	--	--
Carbon tetrachloride	NV	NV	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	449 U	--	--	--	--
Chlorobenzene	NV	40000	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--
Chlorobromomethane	NV	NV	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	449 U	--	--	--	--
Chloroethane	NV	NV	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	449 U	--	--	--	--
Chloroform	NV	NV	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	449 U	--	--	--	--
Chloromethane	NV	NV	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	449 U	--	--	--	--
cis-1,2-Dichloroethene	NV	NV	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--
cis-1,3-Dichloropropene	NV	NV	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--
Dibromochloromethane	NV	NV	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--
Dibromomethane	NV	NV	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	449 U	--	--	--	--
Dichlorodifluoromethane	NV	NV	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	449 U	--	--	--	--
Ethylbenzene	NV	NV	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--
Hexachlorobutadiene	NV	NV	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--
Isopropylbenzene	NV	NV	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--
m,p-Xylene	NV	NV	NV	NA	NC	19.2 U	18.5 U	19.2 U	21.2 U	18.5 U	20.3 U	22.3 U	18 U	--	--	--	--
Methyl tert-butyl ether	NV	NV	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	449 U	--	--	--	--
Methylene chloride	NV	NV	NV	NA	NC	48.1 U	46.3 U	48.1 U	53 U	46.2 U	50.8 U	55.8 U	2250 U	--	--	--	--
Naphthalene	NV	NV	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--
n-Butylbenzene	NV	NV	NV	NA	NC	9.62 U	9.69	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--
n-Hexane	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--	--	--	--
n-Propylbenzene	NV	NV	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--
o-Xylene	NV	NV	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--
sec-Butylbenzene	NV	NV	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--
Styrene	300000	NV	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--
tert-Butylbenzene	NV	NV	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--
Tetrachloroethene	NV	NV	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--
Toluene	200000	NV	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--
trans-1,2-Dichloroethene	NV	NV	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	449 U	--	--	--	--
trans-1,3-Dichloropropene	NV	NV	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	8.99 U	--	--	--	--
Trichloroethene	NV	NV	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	449 U	--	--	--	--
Trichlorofluoromethane	NV	NV	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	449 U	--	--	--	--
Vinyl chloride	NV	NV	NV	NA	NC	9.62 U	9.26 U	9.61 U	10.6 U	9.24 U	10.2 U	11.2 U	449 U	--	--	--	--
Polycyclic Aromatic Hydrocarbons (ug/kg)																	
1-Methylnaphthalene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	20000	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--	--	--	--

Table
Soil Analytical Results
32nd Street Property
Schmid Family Limited Partnership I, LLC

Location Sample Name Date Collected Depth (feet bgs)						GP-07		GP-08		GP-09		GP-10		GP-11		GP-12	
						GP07-S-0.0	GP07-S-4.0	GP08-S-0.0	GP08-S-4.0	GP09-S-3.0	GP09-S-14.0	GP10-S-0.0	GP10-S-8.5	GP11-S-1.0	GP11-S-7.5	GP12-S-0.0	GP12-S-7.5
						04/27/2012	04/20/2012	04/27/2012	04/20/2012	04/20/2012	04/20/2012	04/27/2012	04/20/2012	04/18/2012	04/18/2012	04/18/2012	04/18/2012
						0	4	0	4	3	14	0	8.5	1	7.5	0	7.5
Analyte	Ecological, Plant	Ecological, Soil Biota	Ecological, Wildlife	Ecology Background Metals ^a	95 Percent UCL ^b												
Acenaphthylene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--	--	--	--
Anthracene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	NV	NV	12000	NA	NC	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(ghi)perylene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--	--	--	--
Fluorene	NV	30000	NV	NA	NC	--	--	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--	--	--	--
Pyrene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalenes	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--	--	--	--
Carcinogenic PAH TEQ	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls (ug/kg)																	
Aroclor 1016	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--	--	--	--
Total Aroclors	40000	NV	650	NA	NC	--	--	--	--	--	--	--	--	--	--	--	--
Hydrocarbon Identification (Presence/Absence)																	
Diesel	NA	NA	NA	NA	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gasoline	NA	NA	NA	NA	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Kerosene	NA	NA	NA	NA	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heavy Oil	NA	NA	NA	NA	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mineral Spirits	NA	NA	NA	NA	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diesel and Heavy Oil (mg/kg)																	
Diesel	NV	200	6000	NA	NC	--	--	--	--	--	--	--	--	--	--	--	--
Lube Oil	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--	--	--	--
TPH	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--	--	--	--
Gasoline (mg/kg)																	
Gasoline	NV	100	5000	NA	NC	--	--	--	--	--	--	--	--	--	--	--	--

Table
Soil Analytical Results
32nd Street Property
Schmid Family Limited Partnership I, LLC

Location Sample Name Date Collected Depth (feet bgs)						GP-13		GP-14			GP-15		GP-16		GP-17	GP18	GP19
						GP13-S-4.0	GP13-S-13.0	GP14-S-0.0	GP14-S-4.0	GP14-S-8.5	GP15-S-2.0	GP15-S-4.5	GP16-S-1.0	GP16-S-14.0	GP17-S-1.0	GP18-S-7.5	GP19-S-12
						04/20/2012	04/20/2012	04/27/2012	04/19/2012	04/19/2012	04/19/2012	04/19/2012	04/19/2012	04/19/2012	04/18/2012	10/14/2013	10/14/2013
						4	13	0	4	8.5	2	4.5	1	14	1	7.5	12
Analyte	Ecological, Plant	Ecological, Soil Biota	Ecological, Wildlife	Ecology Background Metals ^a	95 Percent UCL ^b												
Metals (mg/kg)																	
Arsenic	10 ^a	60 ^c	132 ^c	5.81	3.7	1.97 U	3.37	1.97 U	2.14	2.51 U	2.19	6.57	6.12	4.12	3.86	--	--
Barium	500	NV	102	NV ^d	NC	153	194	75.5	206	281	185	184	231	84.2	320	--	--
Cadmium	4	20	14	0.93	NC	0.099 U	0.13 U	0.099 U	0.101	0.125 U	0.454	0.125 U	0.127 U	0.118 U	0.11 U	--	--
Chromium	42	42	67	26.6	19.9	9.17	16.5	3.62	23.3	21.1	22.1	20.9	25.9	17.4	15	--	--
Lead	50	500	118	24.0	42.1	2.39	17.2	1.97 U	124	26	51.8	4.32	124	4.19	3.89	--	--
Mercury	0.3	0.1	5.5	0.04	NC	0.052	0.0586	0.0151	0.0587	0.0384	0.0478	0.0325	0.0297	0.0174 U	0.0205 U	--	--
Selenium	1	70	0.3	NV	NC	1.97 U	2.61 U	1.97 U	2.02 U	2.51 U	2.06 U	2.5 U	2.55 U	2.37 U	2.19 U	--	--
Silver	2	NV	NV	NV	NC	3.8	2.61 U	1.97 U	2.02 U	2.51 U	2.06 U	2.5 U	2.55 U	2.37 U	2.19 U	--	--
Volatile Organic Compounds (ug/kg)																	
1,1,1,2-Tetrachloroethane	NV	NV	NV	NA	NC	9.49 U	9.69 U	9.71 U	9.21 U	449 U	9.29 U	562 U	9.67 U	9.87 U	--	--	--
1,1,1-Trichloroethane	NV	NV	NV	NA	NC	845 U	9.69 U	9.71 U	460 U	449 U	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--
1,1,2,2-Tetrachloroethane	NV	NV	NV	NA	NC	9.49 U	9.69 U	9.71 U	9.21 U	449 U	9.29 U	12.9	9.67 U	9.87 U	--	--	--
1,1,2-Trichloroethane	NV	NV	NV	NA	NC	9.49 U	9.69 U	9.71 U	9.21 U	449 U	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--
1,1-Dichloroethane	NV	NV	NV	NA	NC	845 U	9.69 U	9.71 U	460 U	449 U	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--
1,1-Dichloroethene	NV	NV	NV	NA	NC	845 U	9.69 U	9.71 U	460 U	449 U	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--
1,1-Dichloropropene	NV	NV	NV	NA	NC	845 U	9.69 U	9.71 U	460 U	449 U	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--
1,2,3-Trichlorobenzene	NV	20000	NV	NA	NC	9.49 U	9.69 U	9.71 U	9.21 U	449 U	9.29 U	562 U	9.67 U	9.87 U	--	--	--
1,2,3-Trichloropropane	NV	NV	NV	NA	NC	9.49 U	9.69 U	9.71 U	9.21 U	449 U	9.29 U	562 U	9.67 U	9.87 U	--	--	--
1,2,4-Trichlorobenzene	NV	20000	NV	NA	NC	9.49 U	9.69 U	9.71 U	9.21 U	449 U	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--
1,2,4-Trimethylbenzene	NV	NV	NV	NA	NC	9.49 U	9.69 U	9.71 U	9.21 U	449 U	9.29 U	562 U	9.67 U	9.87 U	--	--	--
1,2-Dibromo-3-chloropropane	NV	NV	NV	NA	NC	9.49 U	9.69 U	9.71 U	9.21 U	449 U	9.29 U	562 U	9.67 U	9.87 U	--	--	--
1,2-Dibromoethane	NV	NV	NV	NA	NC	9.49 U	9.69 U	9.71 U	9.21 U	449 U	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--
1,2-Dichlorobenzene	NV	NV	NV	NA	NC	9.49 U	9.69 U	9.71 U	9.21 U	449 U	9.29 U	562 U	9.67 U	9.87 U	--	--	--
1,2-Dichloroethane	NV	NV	NV	NA	NC	845 U	9.69 U	9.71 U	460 U	449 U	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--
1,2-Dichloropropane	NV	700000	NV	NA	NC	845 U	9.69 U	9.71 U	460 U	449 U	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--
1,3,5-Trimethylbenzene	NV	NV	NV	NA	NC	9.49 U	9.69 U	9.71 U	9.21 U	449 U	9.29 U	562 U	9.67 U	9.87 U	--	--	--
1,3-Dichlorobenzene	NV	NV	NV	NA	NC	9.49 U	9.69 U	9.71 U	9.21 U	449 U	9.29 U	562 U	9.67 U	9.87 U	--	--	--
1,3-Dichloropropane	NV	NV	NV	NA	NC	9.49 U	9.69 U	9.71 U	9.21 U	449 U	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--
1,4-Dichlorobenzene	NV	20000	NV	NA	NC	9.49 U	9.69 U	9.71 U	9.21 U	449 U	9.29 U	562 U	9.67 U	9.87 U	--	--	--
2,2-Dichloropropane	NV	NV	NV	NA	NC	845 U	9.69 U	9.71 U	460 U	449 U	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--
2-Butanone	NV	NV	NV	NA	NC	3380 U	38.7 U	38.8 U	36.8 U	1800 U	37.2 U	45 U	38.7 U	39.5 U	--	--	--
2-Chlorotoluene	NV	NV	NV	NA	NC	9.49 U	9.69 U	9.71 U	9.21 U	449 U	9.29 U	562 U	9.67 U	9.87 U	--	--	--
2-Hexanone	NV	NV	NV	NA	NC	19 U	19.4 U	33.6	18.4 U	898 U	18.6 U	22.5 U	19.3 U	19.7 U	--	--	--
4-Chlorotoluene	NV	NV	NV	NA	NC	9.49 U	9.69 U	9.71 U	9.21 U	449 U	9.29 U	562 U	9.67 U	9.87 U	--	--	--
4-Isopropyltoluene	NV	NV	NV	NA	NC	9.49 U	9.69 U	9.71 U	9.21 U	449 U	9.29 U	562 U	9.67 U	9.87 U	--	--	--
4-Methyl-2-pentanone	NV	NV	NV	NA	NC	38 U	38.7 U	38.8 U	36.8 U	1800 U	37.2 U	45 U	38.7 U	39.5 U	--	--	--
Acetone	NV	NV	NV	NA	NC	8450 U	96.9 U	97.1 U	4600 U	4490 U	92.9 U	112 U	96.7 U	98.7 U	--	--	--
Benzene	NV	NV	NV	NA	NC	845 U	9.69 U	9.71 U	460 U	449 U	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--
Bromobenzene	NV	NV	NV	NA	NC	9.49 U	9.69 U	9.71 U	9.21 U	449 U	9.29 U	562 U	9.67 U	9.87 U	--	--	--

Table
Soil Analytical Results
32nd Street Property
Schmid Family Limited Partnership I, LLC

Location Sample Name Date Collected Depth (feet bgs)						GP-13		GP-14			GP-15		GP-16		GP-17	GP18	GP19
						GP13-S-4.0	GP13-S-13.0	GP14-S-0.0	GP14-S-4.0	GP14-S-8.5	GP15-S-2.0	GP15-S-4.5	GP16-S-1.0	GP16-S-14.0	GP17-S-1.0	GP18-S-7.5	GP19-S-12
						04/20/2012	04/20/2012	04/27/2012	04/19/2012	04/19/2012	04/19/2012	04/19/2012	04/19/2012	04/19/2012	04/18/2012	10/14/2013	10/14/2013
						4	13	0	4	8.5	2	4.5	1	14	1	7.5	12
Analyte	Ecological, Plant	Ecological, Soil Biota	Ecological, Wildlife	Ecology Background Metals ^a	95 Percent UCL ^b												
Bromodichloromethane	NV	NV	NV	NA	NC	845 U	9.69 U	9.71 U	460 U	449 U	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--
Bromoform	NV	NV	NV	NA	NC	9.49 U	9.69 U	9.71 U	9.21 U	449 U	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--
Bromomethane	NV	NV	NV	NA	NC	845 U	9.69 U	9.71 U	460 U	449 U	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--
Carbon disulfide	NV	NV	NV	NA	NC	845 U	9.69 U	9.71 U	460 U	449 U	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--
Carbon tetrachloride	NV	NV	NV	NA	NC	845 U	9.69 U	9.71 U	460 U	449 U	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--
Chlorobenzene	NV	40000	NV	NA	NC	9.49 U	9.69 U	9.71 U	9.21 U	449 U	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--
Chlorobromomethane	NV	NV	NV	NA	NC	845 U	9.69 U	9.71 U	460 U	449 U	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--
Chloroethane	NV	NV	NV	NA	NC	845 U	9.69 U	9.71 U	460 U	449 U	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--
Chloroform	NV	NV	NV	NA	NC	845 U	9.69 U	9.71 U	460 U	449 U	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--
Chloromethane	NV	NV	NV	NA	NC	845 U	9.69 U	9.71 U	460 U	449 U	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--
cis-1,2-Dichloroethene	NV	NV	NV	NA	NC	845 U	9.69 U	9.71 U	460 U	449 U	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--
cis-1,3-Dichloropropene	NV	NV	NV	NA	NC	845 U	9.69 U	9.71 U	460 U	449 U	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--
Dibromochloromethane	NV	NV	NV	NA	NC	9.49 U	9.69 U	9.71 U	9.21 U	449 U	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--
Dibromomethane	NV	NV	NV	NA	NC	845 U	9.69 U	9.71 U	460 U	449 U	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--
Dichlorodifluoromethane	NV	NV	NV	NA	NC	845 U	9.69 U	9.71 U	460 U	449 U	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--
Ethylbenzene	NV	NV	NV	NA	NC	9.49 U	9.69 U	9.71 U	9.21 U	449 U	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--
Hexachlorobutadiene	NV	NV	NV	NA	NC	9.49 U	9.69 U	9.71 U	9.21 U	449 U	9.29 U	562 U	9.67 U	9.87 U	--	--	--
Isopropylbenzene	NV	NV	NV	NA	NC	9.49 U	9.69 U	9.71 U	9.21 U	449 U	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--
m,p-Xylene	NV	NV	NV	NA	NC	19 U	19.4 U	19.4 U	18.4 U	898 U	18.6 U	22.5 U	19.3 U	19.7 U	--	--	--
Methyl tert-butyl ether	NV	NV	NV	NA	NC	845 U	9.69 U	9.71 U	460 U	449 U	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--
Methylene chloride	NV	NV	NV	NA	NC	4220 U	48.4 U	48.6 U	2300 U	2240 U	46.4 U	56.2 U	48.4 U	49.4 U	--	--	--
Naphthalene	NV	NV	NV	NA	NC	9.49 U	9.69 U	9.71 U	9.21 U	449 U	9.29 U	562 U	9.67 U	9.87 U	--	--	--
n-Butylbenzene	NV	NV	NV	NA	NC	9.49 U	9.69 U	9.71 U	9.21 U	449 U	9.29 U	562 U	9.67 U	9.87 U	--	--	--
n-Hexane	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--	--	--	--
n-Propylbenzene	NV	NV	NV	NA	NC	9.49 U	9.69 U	9.71 U	9.21 U	449 U	9.29 U	562 U	9.67 U	9.87 U	--	--	--
o-Xylene	NV	NV	NV	NA	NC	9.49 U	9.69 U	9.71 U	9.21 U	449 U	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--
sec-Butylbenzene	NV	NV	NV	NA	NC	9.49 U	9.69 U	9.71 U	9.21 U	449 U	9.29 U	562 U	9.67 U	9.87 U	--	--	--
Styrene	300000	NV	NV	NA	NC	9.49 U	9.69 U	9.71 U	9.21 U	449 U	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--
tert-Butylbenzene	NV	NV	NV	NA	NC	9.49 U	9.69 U	9.71 U	9.21 U	449 U	9.29 U	562 U	9.67 U	9.87 U	--	--	--
Tetrachloroethene	NV	NV	NV	NA	NC	9.49 U	9.69 U	9.71 U	9.21 U	449 U	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--
Toluene	200000	NV	NV	NA	NC	9.49 U	9.69 U	9.71 U	9.21 U	449 U	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--
trans-1,2-Dichloroethene	NV	NV	NV	NA	NC	845 U	9.69 U	9.71 U	460 U	449 U	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--
trans-1,3-Dichloropropene	NV	NV	NV	NA	NC	9.49 U	9.69 U	9.71 U	9.21 U	449 U	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--
Trichloroethene	NV	NV	NV	NA	NC	845 U	9.69 U	9.71 U	460 U	449 U	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--
Trichlorofluoromethane	NV	NV	NV	NA	NC	845 U	9.69 U	9.71 U	460 U	449 U	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--
Vinyl chloride	NV	NV	NV	NA	NC	845 U	9.69 U	9.71 U	460 U	449 U	9.29 U	11.2 U	9.67 U	9.87 U	--	--	--
Polycyclic Aromatic Hydrocarbons (ug/kg)																	
1-Methylnaphthalene	NV	NV	NV	NA	NC	--	--	--	--	--	10.4	--	--	--	--	--	--
2-Methylnaphthalene	NV	NV	NV	NA	NC	--	--	--	--	--	15.2	--	--	--	--	--	--
Acenaphthene	20000	NV	NV	NA	NC	--	--	--	--	--	7.98 U	--	--	--	--	--	--

Table
Soil Analytical Results
32nd Street Property
Schmid Family Limited Partnership I, LLC

Location Sample Name Date Collected Depth (feet bgs)						GP-13		GP-14			GP-15		GP-16		GP-17	GP18	GP19
						GP13-S-4.0	GP13-S-13.0	GP14-S-0.0	GP14-S-4.0	GP14-S-8.5	GP15-S-2.0	GP15-S-4.5	GP16-S-1.0	GP16-S-14.0	GP17-S-1.0	GP18-S-7.5	GP19-S-12
						04/20/2012	04/20/2012	04/27/2012	04/19/2012	04/19/2012	04/19/2012	04/19/2012	04/19/2012	04/19/2012	04/18/2012	10/14/2013	10/14/2013
						4	13	0	4	8.5	2	4.5	1	14	1	7.5	12
Analyte	Ecological, Plant	Ecological, Soil Biota	Ecological, Wildlife	Ecology Background Metals ^a	95 Percent UCL ^b												
Acenaphthylene	NV	NV	NV	NA	NC	--	--	--	--	--	15.2	--	--	--	--	--	--
Anthracene	NV	NV	NV	NA	NC	--	--	--	--	--	7.98 U	--	--	--	--	--	--
Benzo(a)anthracene	NV	NV	NV	NA	NC	--	--	--	--	--	7.98 U	--	--	--	--	--	--
Benzo(a)pyrene	NV	NV	12000	NA	NC	--	--	--	--	--	7.98 U	--	--	--	--	--	--
Benzo(b)fluoranthene	NV	NV	NV	NA	NC	--	--	--	--	--	7.98 U	--	--	--	--	--	--
Benzo(ghi)perylene	NV	NV	NV	NA	NC	--	--	--	--	--	7.98 U	--	--	--	--	--	--
Benzo(k)fluoranthene	NV	NV	NV	NA	NC	--	--	--	--	--	7.98 U	--	--	--	--	--	--
Chrysene	NV	NV	NV	NA	NC	--	--	--	--	--	7.98 U	--	--	--	--	--	--
Dibenzo(a,h)anthracene	NV	NV	NV	NA	NC	--	--	--	--	--	7.98 U	--	--	--	--	--	--
Fluoranthene	NV	NV	NV	NA	NC	--	--	--	--	--	54.3	--	--	--	--	--	--
Fluorene	NV	30000	NV	NA	NC	--	--	--	--	--	7.98 U	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	NV	NV	NV	NA	NC	--	--	--	--	--	7.98 U	--	--	--	--	--	--
Naphthalene	NV	NV	NV	NA	NC	--	--	--	--	--	12.8	--	--	--	--	--	--
Phenanthrene	NV	NV	NV	NA	NC	--	--	--	--	--	22.3	--	--	--	--	--	--
Pyrene	NV	NV	NV	NA	NC	--	--	--	--	--	71.8	--	--	--	--	--	--
Naphthalenes	NV	NV	NV	NA	NC	--	--	--	--	--	38.4	--	--	--	--	--	--
Carcinogenic PAH TEQ	NV	NV	NV	NA	NC	--	--	--	--	--	6.02 U	--	--	--	--	--	--
Polychlorinated Biphenyls (ug/kg)																	
Aroclor 1016	NV	NV	NV	NA	NC	--	--	--	--	--	0.399 U	--	--	--	--	--	--
Aroclor 1221	NV	NV	NV	NA	NC	--	--	--	--	--	0.399 U	--	--	--	--	--	--
Aroclor 1232	NV	NV	NV	NA	NC	--	--	--	--	--	0.399 U	--	--	--	--	--	--
Aroclor 1242	NV	NV	NV	NA	NC	--	--	--	--	--	0.399 U	--	--	--	--	--	--
Aroclor 1248	NV	NV	NV	NA	NC	--	--	--	--	--	0.399 U	--	--	--	--	--	--
Aroclor 1254	NV	NV	NV	NA	NC	--	--	--	--	--	12.7	--	--	--	--	--	--
Aroclor 1260	NV	NV	NV	NA	NC	--	--	--	--	--	0.399 U	--	--	--	--	--	--
Aroclor 1262	NV	NV	NV	NA	NC	--	--	--	--	--	0.399 U	--	--	--	--	--	--
Aroclor 1268	NV	NV	NV	NA	NC	--	--	--	--	--	0.399 U	--	--	--	--	--	--
Total Aroclors	40000	NV	650	NA	NC	--	--	--	--	--	12.7	--	--	--	--	--	--
Hydrocarbon Identification (Presence/Absence)																	
Diesel	NA	NA	NA	NA	NC	DETECT	DETECT	ND	ND	DETECT	DETECT	ND	ND	ND	ND	--	--
Gasoline	NA	NA	NA	NA	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--
Kerosene	NA	NA	NA	NA	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--
Heavy Oil	NA	NA	NA	NA	NC	DETECT	DETECT	DETECT	ND	DETECT	DETECT	ND	ND	ND	ND	--	--
Mineral Spirits	NA	NA	NA	NA	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--
Diesel and Heavy Oil (mg/kg)																	
Diesel	NV	200	6000	NA	NC	241	19.5 U	--	--	80.6	669	--	--	--	--	364	17.7 U
Lube Oil	NV	NV	NV	NA	NC	258	139	--	--	206	2850	--	--	--	--	68.2 U	59.1 U
TPH	NV	NV	NV	NA	NC	499	148.75	--	--	286.6	3519	--	--	--	--	398	ND
Gasoline (mg/kg)																	
Gasoline	NV	100	5000	NA	NC	--	--	--	--	--	--	--	--	--	--	34.5 J	2.96 UJ

Table
Soil Analytical Results
32nd Street Property
Schmid Family Limited Partnership I, LLC

Location Sample Name Date Collected Depth (feet bgs)						GP20	GP22			SS-01	SS-02	SS-03	SS-04	SS-05	SS-06
						GP20-S-7.5	GP22-S-5	GP22-S-13.5	GP22-S-18	32ND ST-SS01-S-0.0	32ND ST-SS02-S-0.0	32ND ST-SS03-S-0.0	32NDST-SS-04-S-0.0	32ND ST-SS05-S-0.0	32ND ST-SS06-S-0.0
						10/15/2013	10/11/2013	10/11/2013	10/11/2013	04/12/2012	04/12/2012	04/12/2012	04/13/2012	04/12/2012	04/12/2012
						7.5	5	13.5	18	0	0	0	0	0	0
Analyte	Ecological, Plant	Ecological, Soil Biota	Ecological, Wildlife	Ecology Background Metals ^a	95 Percent UCL ^b										
Metals (mg/kg)															
Arsenic	10 ^a	60 ^c	132 ^c	5.81	3.7	--	--	--	--	2.39 U	2.32 U	2.45	2.04 U	1.96 U	2.16 U
Barium	500	NV	102	NV ^d	NC	--	--	--	--	66	217	126	98.5	72.4	86.7
Cadmium	4	20	14	0.93	NC	--	--	--	--	0.203	0.116 U	0.109 U	0.102 U	0.098 U	0.173
Chromium	42	42	67	26.6	19.9	--	--	--	--	12.3	16	50.8	7.95	5.81	15.4
Lead	50	500	118	24.0	42.1	--	--	--	--	14.6	3.57	7.25	2.04 U	7.74	29.1
Mercury	0.3	0.1	5.5	0.04	NC	--	--	--	--	0.0266	0.0419	0.0296	0.0145 U	0.0187 U	0.0169 U
Selenium	1	70	0.3	NV	NC	--	--	--	--	2.39 U	2.32 U	2.19 U	2.04 U	1.96 U	2.16 U
Silver	2	NV	NV	NV	NC	--	--	--	--	2.39 U	2.32 U	2.19 U	2.28	1.96 U	2.16 U
Volatile Organic Compounds (ug/kg)															
1,1,1,2-Tetrachloroethane	NV	NV	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
1,1,1-Trichloroethane	NV	NV	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
1,1,2,2-Tetrachloroethane	NV	NV	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
1,1,2-Trichloroethane	NV	NV	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
1,1-Dichloroethane	NV	NV	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
1,1-Dichloroethene	NV	NV	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
1,1-Dichloropropene	NV	NV	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
1,2,3-Trichlorobenzene	NV	20000	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
1,2,3-Trichloropropane	NV	NV	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
1,2,4-Trichlorobenzene	NV	20000	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
1,2,4-Trimethylbenzene	NV	NV	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
1,2-Dibromo-3-chloropropane	NV	NV	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
1,2-Dibromoethane	NV	NV	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
1,2-Dichlorobenzene	NV	NV	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
1,2-Dichloroethane	NV	NV	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
1,2-Dichloropropane	NV	700000	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
1,3,5-Trimethylbenzene	NV	NV	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
1,3-Dichlorobenzene	NV	NV	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
1,3-Dichloropropane	NV	NV	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
1,4-Dichlorobenzene	NV	20000	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
2,2-Dichloropropane	NV	NV	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
2-Butanone	NV	NV	NV	NA	NC	--	--	--	--	56.5 UR	--	--	--	--	--
2-Chlorotoluene	NV	NV	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
2-Hexanone	NV	NV	NV	NA	NC	--	--	--	--	28.3 UR	--	--	--	--	--
4-Chlorotoluene	NV	NV	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
4-Isopropyltoluene	NV	NV	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
4-Methyl-2-pentanone	NV	NV	NV	NA	NC	--	--	--	--	56.5 UR	--	--	--	--	--
Acetone	NV	NV	NV	NA	NC	--	--	--	--	225 R	--	--	--	--	--
Benzene	NV	NV	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
Bromobenzene	NV	NV	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--

Table
Soil Analytical Results
32nd Street Property
Schmid Family Limited Partnership I, LLC

Location Sample Name Date Collected Depth (feet bgs)						GP20	GP22			SS-01	SS-02	SS-03	SS-04	SS-05	SS-06
						GP20-S-7.5	GP22-S-5	GP22-S-13.5	GP22-S-18	32ND ST-SS01-S-0.0	32ND ST-SS02-S-0.0	32ND ST-SS03-S-0.0	32NDST-SS-04-S-0.0	32ND ST-SS05-S-0.0	32ND ST-SS06-S-0.0
						10/15/2013	10/11/2013	10/11/2013	10/11/2013	04/12/2012	04/12/2012	04/12/2012	04/13/2012	04/12/2012	04/12/2012
						7.5	5	13.5	18	0	0	0	0	0	0
Analyte	Ecological, Plant	Ecological, Soil Biota	Ecological, Wildlife	Ecology Background Metals ^a	95 Percent UCL ^b										
Bromodichloromethane	NV	NV	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
Bromoform	NV	NV	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
Bromomethane	NV	NV	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
Carbon disulfide	NV	NV	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
Carbon tetrachloride	NV	NV	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
Chlorobenzene	NV	40000	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
Chlorobromomethane	NV	NV	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
Chloroethane	NV	NV	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
Chloroform	NV	NV	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
Chloromethane	NV	NV	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
cis-1,2-Dichloroethene	NV	NV	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
cis-1,3-Dichloropropene	NV	NV	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
Dibromochloromethane	NV	NV	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
Dibromomethane	NV	NV	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
Dichlorodifluoromethane	NV	NV	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
Ethylbenzene	NV	NV	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
Hexachlorobutadiene	NV	NV	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
Isopropylbenzene	NV	NV	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
m,p-Xylene	NV	NV	NV	NA	NC	--	--	--	--	28.3 UR	--	--	--	--	--
Methyl tert-butyl ether	NV	NV	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
Methylene chloride	NV	NV	NV	NA	NC	--	--	--	--	70.7 UR	--	--	--	--	--
Naphthalene	NV	NV	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
n-Butylbenzene	NV	NV	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
n-Hexane	NV	NV	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
n-Propylbenzene	NV	NV	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
o-Xylene	NV	NV	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
sec-Butylbenzene	NV	NV	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
Styrene	300000	NV	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
tert-Butylbenzene	NV	NV	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
Tetrachloroethene	NV	NV	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
Toluene	200000	NV	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
trans-1,2-Dichloroethene	NV	NV	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
trans-1,3-Dichloropropene	NV	NV	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
Trichloroethene	NV	NV	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
Trichlorofluoromethane	NV	NV	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
Vinyl chloride	NV	NV	NV	NA	NC	--	--	--	--	14.1 UR	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons (ug/kg)															
1-Methylnaphthalene	NV	NV	NV	NA	NC	--	75.8 J	79 J	41.1 J	8.76 UR	--	--	--	--	--
2-Methylnaphthalene	NV	NV	NV	NA	NC	--	104 J	73.1 J	60 J	8.76 UR	--	--	--	--	--
Acenaphthene	20000	NV	NV	NA	NC	--	9.06 J	17.6 J	8.57 UJ	8.76 UR	--	--	--	--	--

Table
Soil Analytical Results
32nd Street Property
Schmid Family Limited Partnership I, LLC

Location Sample Name Date Collected Depth (feet bgs)						GP20	GP22			SS-01	SS-02	SS-03	SS-04	SS-05	SS-06
						GP20-S-7.5	GP22-S-5	GP22-S-13.5	GP22-S-18	32ND ST-SS01-S-0.0	32ND ST-SS02-S-0.0	32ND ST-SS03-S-0.0	32NDST-SS-04-S-0.0	32ND ST-SS05-S-0.0	32ND ST-SS06-S-0.0
						10/15/2013	10/11/2013	10/11/2013	10/11/2013	04/12/2012	04/12/2012	04/12/2012	04/13/2012	04/12/2012	04/12/2012
						7.5	5	13.5	18	0	0	0	0	0	0
Analyte	Ecological, Plant	Ecological, Soil Biota	Ecological, Wildlife	Ecology Background Metals ^a	95 Percent UCL ^b										
Acenaphthylene	NV	NV	NV	NA	NC	--	8.24 UJ	160 J	9.43 J	8.76 UR	--	--	--	--	--
Anthracene	NV	NV	NV	NA	NC	--	22.2 J	165 J	22.3 J	8.76 UR	--	--	--	--	--
Benzo(a)anthracene	NV	NV	NV	NA	NC	--	46.1 J	141 J	29.1 J	8.76 UR	--	--	--	--	--
Benzo(a)pyrene	NV	NV	12000	NA	NC	--	8.24 UJ	223 J	19.7 J	8.76 UR	--	--	--	--	--
Benzo(b)fluoranthene	NV	NV	NV	NA	NC	--	18.1 J	200 J	31.7 J	8.76 UR	--	--	--	--	--
Benzo(ghi)perylene	NV	NV	NV	NA	NC	--	30.5 J	308 J	31.7 J	8.76 UR	--	--	--	--	--
Benzo(k)fluoranthene	NV	NV	NV	NA	NC	--	8.24 UJ	82.3 J	8.57 UJ	8.76 UR	--	--	--	--	--
Chrysene	NV	NV	NV	NA	NC	--	27.2 J	316 J	34.3 J	8.76 UR	--	--	--	--	--
Dibenzo(a,h)anthracene	NV	NV	NV	NA	NC	--	8.24 UJ	8.41 UJ	8.57 UJ	8.76 UR	--	--	--	--	--
Fluoranthene	NV	NV	NV	NA	NC	--	102 J	324 J	49.7 J	20.1 R	--	--	--	--	--
Fluorene	NV	30000	NV	NA	NC	--	28 J	49.6 J	15.4 J	8.76 UR	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	NV	NV	NV	NA	NC	--	8.24 UJ	192 J	19.7 J	8.76 UR	--	--	--	--	--
Naphthalene	NV	NV	NV	NA	NC	--	8.24 UJ	47.9 J	58.3 J	8.76 UR	--	--	--	--	--
Phenanthrene	NV	NV	NV	NA	NC	--	100 J	501 J	71.1 J	8.76 UR	--	--	--	--	--
Pyrene	NV	NV	NV	NA	NC	--	166 J	460 J	76.3 J	28.9 R	--	--	--	--	--
Naphthalenes	NV	NV	NV	NA	NC	--	184 UJ	200 J	159 J	13.1 UR	--	--	--	--	--
Carcinogenic PAH TEQ	NV	NV	NV	NA	NC	--	12.0 J	288 J	29.0 J	6.61 U	--	--	--	--	--
Polychlorinated Biphenyls (ug/kg)															
Aroclor 1016	NV	NV	NV	NA	NC	--	0.411 UJ	0.420 UJ	0.428 UJ	0.437 U	--	--	--	--	--
Aroclor 1221	NV	NV	NV	NA	NC	--	0.411 UJ	0.420 UJ	0.428 UJ	0.437 U	--	--	--	--	--
Aroclor 1232	NV	NV	NV	NA	NC	--	0.411 UJ	0.420 UJ	0.428 UJ	0.437 U	--	--	--	--	--
Aroclor 1242	NV	NV	NV	NA	NC	--	0.411 UJ	0.420 UJ	0.428 UJ	0.437 U	--	--	--	--	--
Aroclor 1248	NV	NV	NV	NA	NC	--	0.411 UJ	0.420 UJ	0.428 UJ	0.437 U	--	--	--	--	--
Aroclor 1254	NV	NV	NV	NA	NC	--	0.411 UJ	0.420 UJ	0.428 UJ	0.437 U	--	--	--	--	--
Aroclor 1260	NV	NV	NV	NA	NC	--	0.411 UJ	0.420 UJ	0.428 UJ	0.437 U	--	--	--	--	--
Aroclor 1262	NV	NV	NV	NA	NC	--	0.411 UJ	0.420 UJ	0.428 UJ	0.437 U	--	--	--	--	--
Aroclor 1268	NV	NV	NV	NA	NC	--	0.411 UJ	0.420 UJ	0.428 UJ	0.437 U	--	--	--	--	--
Total Aroclors	40000	NV	650	NA	NC	--	ND	ND	ND	ND	--	--	--	--	--
Hydrocarbon Identification (Presence/Absence)															
Diesel	NA	NA	NA	NA	NC	--	ND	ND	--	DETECT	ND	ND	ND	ND	ND
Gasoline	NA	NA	NA	NA	NC	--	ND	ND	--	ND	ND	ND	ND	ND	ND
Kerosene	NA	NA	NA	NA	NC	--	ND	ND	--	ND	ND	ND	ND	ND	ND
Heavy Oil	NA	NA	NA	NA	NC	--	DETECT	DETECT	--	DETECT	ND	ND	ND	ND	DETECT
Mineral Spirits	NA	NA	NA	NA	NC	--	ND	ND	--	ND	ND	ND	ND	ND	ND
Diesel and Heavy Oil (mg/kg)															
Diesel	NV	200	6000	NA	NC	20.8 U	18.5 UJ	18.9 UJ	19.3 UJ	317	--	--	--	--	39.2
Lube Oil	NV	NV	NV	NA	NC	69.3 U	198 J	905 J	637 J	1470	--	--	--	--	363
TPH	NV	NV	NV	NA	NC	ND	207 J	914 J	647 J	1787	--	--	--	--	402
Gasoline (mg/kg)															
Gasoline	NV	100	5000	NA	NC	3.47 UJ	--	--	--	--	--	--	--	--	--

Table
Soil Analytical Results
32nd Street Property
Schmid Family Limited Partnership I, LLC

Location Sample Name Date Collected Depth (feet bgs)						SS-07	SS-08	SS-09	SS-10	SS-11	SS-12	SS-13	SS-14
						32ND ST-SS07-S-0.0	32ND ST-SS08-S-0.0	32ND ST-SS09-S-0.0	32ND ST-SS10-S-0.0	32NDST-SS-11-S-0.0	32NDST-SS-12-S-0.0	32NDST-SS-13-S-0.0	32ND ST-SS14-S-0.0
						04/12/2012	04/12/2012	04/12/2012	04/12/2012	04/13/2012	04/13/2012	04/13/2012	04/12/2012
						0	0	0	0	0	0	0	0
Analyte	Ecological, Plant	Ecological, Soil Biota	Ecological, Wildlife	Ecology Background Metals ^a	95 Percent UCL ^b								
Metals (mg/kg)													
Arsenic	10 ^a	60 ^c	132 ^c	5.81	3.7	2.22 U	1.79 U	2.53 U	2.13 U	2.22 U	2.27 U	2.77	2.72
Barium	500	NV	102	NV ^d	NC	89.7	76.2	322	78.3	134	111	183	135
Cadmium	4	20	14	0.93	NC	0.111 U	0.089 U	0.127 U	0.107 U	0.111 U	0.114 U	0.114 U	0.109 U
Chromium	42	42	67	26.6	19.9	6.96	7.38	24.6	13.4	15.1	7.41	18.5	13.2
Lead	50	500	118	24.0	42.1	2.34	2.64	15.9	2.13	7.89	5.27	12.2	10.6
Mercury	0.3	0.1	5.5	0.04	NC	0.0161 U	0.0154 U	0.0517	0.0736	0.0208	0.0171 U	0.0295	0.0172
Selenium	1	70	0.3	NV	NC	2.22 U	1.79 U	2.53 U	2.13 U	2.22 U	2.27 U	2.29 U	2.17 U
Silver	2	NV	NV	NV	NC	2.49	2.12	2.84	3.51	2.22 U	2.27 U	2.29 U	2.19
Volatile Organic Compounds (ug/kg)													
1,1,1,2-Tetrachloroethane	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
1,1-Dichloroethane	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
1,1-Dichloroethene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
1,1-Dichloropropene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	NV	20000	NV	NA	NC	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	NV	20000	NV	NA	NC	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
1,2-Dibromoethane	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
1,2-Dichloroethane	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
1,2-Dichloropropane	NV	700000	NV	NA	NC	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
1,3-Dichloropropane	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	NV	20000	NV	NA	NC	--	--	--	--	--	--	--	--
2,2-Dichloropropane	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
2-Butanone	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
2-Chlorotoluene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
2-Hexanone	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
4-Chlorotoluene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
4-Isopropyltoluene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
Acetone	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
Benzene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
Bromobenzene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--

Table
Soil Analytical Results
32nd Street Property
Schmid Family Limited Partnership I, LLC

Location Sample Name Date Collected Depth (feet bgs)						SS-07	SS-08	SS-09	SS-10	SS-11	SS-12	SS-13	SS-14
						32ND ST-SS07-S-0.0	32ND ST-SS08-S-0.0	32ND ST-SS09-S-0.0	32ND ST-SS10-S-0.0	32NDST-SS-11-S-0.0	32NDST-SS-12-S-0.0	32NDST-SS-13-S-0.0	32ND ST-SS14-S-0.0
						04/12/2012	04/12/2012	04/12/2012	04/12/2012	04/13/2012	04/13/2012	04/13/2012	04/12/2012
						0	0	0	0	0	0	0	0
Analyte	Ecological, Plant	Ecological, Soil Biota	Ecological, Wildlife	Ecology Background Metals ^a	95 Percent UCL ^b								
Bromodichloromethane	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
Bromoform	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
Bromomethane	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
Carbon disulfide	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
Carbon tetrachloride	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
Chlorobenzene	NV	40000	NV	NA	NC	--	--	--	--	--	--	--	--
Chlorobromomethane	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
Chloroethane	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
Chloroform	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
Chloromethane	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
Dibromochloromethane	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
Dibromomethane	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
Ethylbenzene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
Hexachlorobutadiene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
Isopropylbenzene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
m,p-Xylene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
Methyl tert-butyl ether	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
Methylene chloride	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
Naphthalene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
n-Butylbenzene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
n-Hexane	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
n-Propylbenzene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
o-Xylene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
sec-Butylbenzene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
Styrene	300000	NV	NV	NA	NC	--	--	--	--	--	--	--	--
tert-Butylbenzene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
Tetrachloroethene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
Toluene	200000	NV	NV	NA	NC	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
Trichloroethene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
Trichlorofluoromethane	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
Vinyl chloride	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons (ug/kg)													
1-Methylnaphthalene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
2-Methylnaphthalene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
Acenaphthene	20000	NV	NV	NA	NC	--	--	--	--	--	--	--	--

Table
Soil Analytical Results
32nd Street Property
Schmid Family Limited Partnership I, LLC

Location Sample Name Date Collected Depth (feet bgs)						SS-07	SS-08	SS-09	SS-10	SS-11	SS-12	SS-13	SS-14
						32ND ST-SS07-S-0.0	32ND ST-SS08-S-0.0	32ND ST-SS09-S-0.0	32ND ST-SS10-S-0.0	32NDST-SS-11-S-0.0	32NDST-SS-12-S-0.0	32NDST-SS-13-S-0.0	32ND ST-SS14-S-0.0
						04/12/2012	04/12/2012	04/12/2012	04/12/2012	04/13/2012	04/13/2012	04/13/2012	04/12/2012
						0	0	0	0	0	0	0	0
Analyte	Ecological, Plant	Ecological, Soil Biota	Ecological, Wildlife	Ecology Background Metals ^a	95 Percent UCL ^b								
Acenaphthylene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
Anthracene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
Benzo(a)anthracene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
Benzo(a)pyrene	NV	NV	12000	NA	NC	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
Benzo(ghi)perylene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
Chrysene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
Fluoranthene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
Fluorene	NV	30000	NV	NA	NC	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
Naphthalene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
Phenanthrene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
Pyrene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
Naphthalenes	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
Carcinogenic PAH TEQ	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls (ug/kg)													
Aroclor 1016	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
Aroclor 1221	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
Aroclor 1232	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
Aroclor 1242	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
Aroclor 1248	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
Aroclor 1254	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
Aroclor 1260	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
Aroclor 1262	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
Aroclor 1268	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--
Total Aroclors	40000	NV	650	NA	NC	--	--	--	--	--	--	--	--
Hydrocarbon Identification (Presence/Absence)													
Diesel	NA	NA	NA	NA	NC	ND	ND	ND	ND	ND	ND	ND	ND
Gasoline	NA	NA	NA	NA	NC	ND	ND	ND	ND	ND	ND	ND	ND
Kerosene	NA	NA	NA	NA	NC	ND	ND	ND	ND	ND	ND	ND	ND
Heavy Oil	NA	NA	NA	NA	NC	ND	DETECT	ND	ND	ND	ND	ND	ND
Mineral Spirits	NA	NA	NA	NA	NC	ND	ND	ND	ND	ND	ND	ND	ND
Diesel and Heavy Oil (mg/kg)													
Diesel	NV	200	6000	NA	NC	--	36.8	--	--	--	--	--	--
Lube Oil	NV	NV	NV	NA	NC	--	243	--	--	--	--	--	--
TPH	NV	NV	NV	NA	NC	--	280	--	--	--	--	--	--
Gasoline (mg/kg)													
Gasoline	NV	100	5000	NA	NC	--	--	--	--	--	--	--	--

Table
Soil Analytical Results
32nd Street Property
Schmid Family Limited Partnership I, LLC

Location Sample Name Date Collected Depth (feet bgs)						SS-15	SS-16	SS17	SS18	Cistern Trenching				
						32NDST-SS-15-S-0.0	32NDST-SS-16-S-0.0	SS17	SS18	TP-S-9.5	TP-S-3A	TP-S-2.5A	TP-S-2.5	TP-S-2.5C
						04/13/2012	04/13/2012	10/11/2013	10/11/2013	10/11/2013	10/11/2013	10/11/2013	10/11/2013	10/11/2013
						0	0	0	0	9.5	3	2.5	2.5	2.5
Analyte	Ecological, Plant	Ecological, Soil Biota	Ecological, Wildlife	Ecology Background Metals ^a	95 Percent UCL ^b									
Metals (mg/kg)														
Arsenic	10 ^a	60 ^c	132 ^c	5.81	3.7	2.72	2.26 U	--	--	--	--	--	--	--
Barium	500	NV	102	NV ^d	NC	173	124	--	--	--	--	--	--	--
Cadmium	4	20	14	0.93	NC	0.109 U	0.113 U	--	--	--	--	--	--	--
Chromium	42	42	67	26.6	19.9	17.2	15.3	--	--	--	--	--	--	--
Lead	50	500	118	24.0	42.1	7.48	14	--	--	--	--	--	--	--
Mercury	0.3	0.1	5.5	0.04	NC	0.0288	0.0376	--	--	--	--	--	--	--
Selenium	1	70	0.3	NV	NC	2.18 U	2.26 U	--	--	--	--	--	--	--
Silver	2	NV	NV	NV	NC	2.18 U	2.26 U	--	--	--	--	--	--	--
Volatile Organic Compounds (ug/kg)														
1,1,1,2-Tetrachloroethane	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	NV	20000	NV	NA	NC	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	NV	20000	NV	NA	NC	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	NV	700000	NV	NA	NC	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	NV	20000	NV	NA	NC	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
2-Butanone	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
2-Hexanone	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
4-Chlorotoluene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
Acetone	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
Benzene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
Bromobenzene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--

Table
Soil Analytical Results
32nd Street Property
Schmid Family Limited Partnership I, LLC

Location Sample Name Date Collected Depth (feet bgs)						SS-15	SS-16	SS17	SS18	Cistern Trenching				
						32NDST-SS-15-S-0.0	32NDST-SS-16-S-0.0	SS17	SS18	TP-S-9.5	TP-S-3A	TP-S-2.5A	TP-S-2.5	TP-S-2.5C
						04/13/2012	04/13/2012	10/11/2013	10/11/2013	10/11/2013	10/11/2013	10/11/2013	10/11/2013	10/11/2013
						0	0	0	0	9.5	3	2.5	2.5	2.5
Analyte	Ecological, Plant	Ecological, Soil Biota	Ecological, Wildlife	Ecology Background Metals ^a	95 Percent UCL ^b									
Bromodichloromethane	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
Bromoform	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
Bromomethane	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
Carbon disulfide	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
Chlorobenzene	NV	40000	NV	NA	NC	--	--	--	--	--	--	--	--	--
Chlorobromomethane	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
Chloroethane	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
Chloroform	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
Chloromethane	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
Dibromochloromethane	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
Dibromomethane	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
Ethylbenzene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
Isopropylbenzene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
m,p-Xylene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
Methylene chloride	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
Naphthalene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
n-Butylbenzene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
n-Hexane	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
n-Propylbenzene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
o-Xylene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
Styrene	300000	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
Tetrachloroethene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
Toluene	200000	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
Trichloroethene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
Vinyl chloride	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons (ug/kg)														
1-Methylnaphthalene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
Acenaphthene	20000	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--

Table
Soil Analytical Results
32nd Street Property
Schmid Family Limited Partnership I, LLC

Location Sample Name Date Collected Depth (feet bgs)						SS-15	SS-16	SS17	SS18	Cistern Trenching				
						32NDST-SS-15-S-0.0	32NDST-SS-16-S-0.0	SS17	SS18	TP-S-9.5	TP-S-3A	TP-S-2.5A	TP-S-2.5	TP-S-2.5C
						04/13/2012	04/13/2012	10/11/2013	10/11/2013	10/11/2013	10/11/2013	10/11/2013	10/11/2013	10/11/2013
						0	0	0	0	9.5	3	2.5	2.5	2.5
Analyte	Ecological, Plant	Ecological, Soil Biota	Ecological, Wildlife	Ecology Background Metals ^a	95 Percent UCL ^b									
Acenaphthylene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
Anthracene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	NV	NV	12000	NA	NC	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
Benzo(ghi)perylene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
Chrysene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
Fluoranthene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
Fluorene	NV	30000	NV	NA	NC	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
Naphthalene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
Phenanthrene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
Pyrene	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
Naphthalenes	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
Carcinogenic PAH TEQ	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls (ug/kg)														
Aroclor 1016	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
Aroclor 1221	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
Aroclor 1232	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
Aroclor 1242	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
Aroclor 1248	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
Aroclor 1254	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
Aroclor 1260	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
Aroclor 1262	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
Aroclor 1268	NV	NV	NV	NA	NC	--	--	--	--	--	--	--	--	--
Total Aroclors	40000	NV	650	NA	NC	--	--	--	--	--	--	--	--	--
Hydrocarbon Identification (Presence/Absence)														
Diesel	NA	NA	NA	NA	NC	ND	ND	--	--	--	--	--	--	--
Gasoline	NA	NA	NA	NA	NC	ND	ND	--	--	--	--	--	--	--
Kerosene	NA	NA	NA	NA	NC	ND	ND	--	--	--	--	--	--	--
Heavy Oil	NA	NA	NA	NA	NC	ND	ND	--	--	--	--	--	--	--
Mineral Spirits	NA	NA	NA	NA	NC	ND	ND	--	--	--	--	--	--	--
Diesel and Heavy Oil (mg/kg)														
Diesel	NV	200	6000	NA	NC	--	--	16.6 U	18 U	17.7 U	436 J	20.2 U	16.6 U	16.4 U
Lube Oil	NV	NV	NV	NA	NC	--	--	55.3 U	64.4 J	59.1 U	421	67.4 U	55.2 U	54.5 U
TPH	NV	NV	NV	NA	NC	--	--	ND	73.4 J	ND	857 J	ND	ND	ND
Gasoline (mg/kg)														
Gasoline	NV	100	5000	NA	NC	--	--		2.99 U					

NOTES:

Detected results that exceed one or more ecological indicator soil concentration are shaded as follows:

	Ecological, Plant
	Ecological, Soil Biota
	Ecological, Wildlife

Non-detect results are not evaluated against screening criteria.

-- = not analyzed/not applicable.

bgs = below ground surface.

Ecological = ecological indicator soil concentrations for protection of terrestrial plants and animals. Ecology, Terrestrial Ecological Evaluation Table 749-3.

Ecology = Washington State Department of Ecology.

J = estimated.

mg/kg = milligrams per kilogram.

NA = not applicable.

NC = not calculated.

ND = not detected.

NV = no value.

PAH = polycyclic aromatic hydrocarbon.

R = rejected (data have been rejected because of holding time exceedances).

TEQ = toxicity equivalent.

TPH = total petroleum hydrocarbons.

U = not detected.

ug/kg = micrograms per kilogram.

UCL = upper confidence limit.

^aBackground Metals: natural background soil metals concentrations in Washington State, Clark County 90th percentile. Ecology publication 94-115, 1994.

^bSee Attachment 2 for derivation of the UCL.

^cArsenic V value.

^dSee text for discussion of proposed background values.

ATTACHMENT 1

PRIORITY HABITATS AND SPECIES REPORT





WASHINGTON DEPARTMENT OF FISH AND WILDLIFE

PRIORITY HABITATS AND SPECIES REPORT

SOURCE DATASET: PHSPublic
REPORT DATE: 08/27/2014 2.36

Query ID: P140827143557

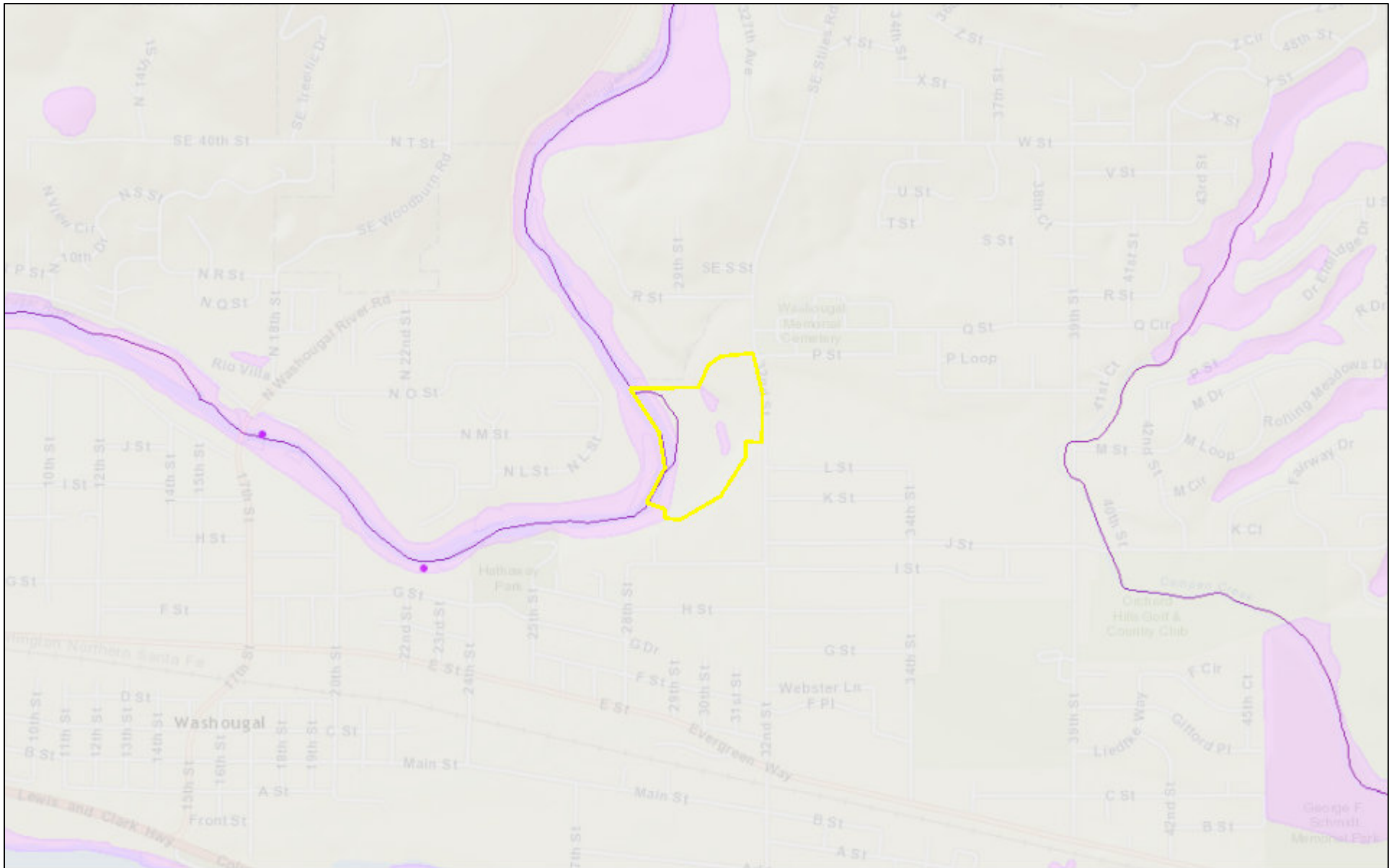
Common Name Scientific Name Notes	Site Name Source Dataset Source Record Source Date	Priority Area Occurrence Type More Information (URL) Mgmt Recommendations	Accuracy	Federal Status State Status PHS Listing Status	Sensitive Data Resolution	Source Entity Geometry Type
Biodiversity Areas And	WASHOUGAL RIVER PHSREGION 902213	Terrestrial Habitat N/A http://wdfw.wa.gov/publications/pub.php?	1/4 mile (Quarter	N/A N/A PHS LISTED	N AS MAPPED	WA Dept. of Fish and Wildlife Polygons
Chinook Oncorhynchus tshawytscha	Washougal River SASI 1624	Occurrence Occurrence http://wdfw.wa.gov/wlm/diversty/soc/soc.htm http://wdfw.wa.gov/publications/pub.php?	NA	Threatened N/A PHS Listed	N AS MAPPED	WDFW Fish Program Lines
Chinook Salmon Oncorhynchus tshawytscha	Washougal River FISHDIST 18694	Occurrence/Migration Occurrence/migration http://wdfw.wa.gov/wlm/diversty/soc/soc.htm http://wdfw.wa.gov/publications/pub.php?	NA	N/A N/A PHS LISTED	N AS MAPPED	WDFW and/or LFA Reports, USFS, Lines
Chum Salmon Oncorhynchus keta	FISHDIST 18026	Occurrence/Migration Occurrence/migration http://wdfw.wa.gov/wlm/diversty/soc/soc.htm http://wdfw.wa.gov/publications/pub.php?	NA	N/A N/A PHS LISTED	N AS MAPPED	WDFW and/or LFA Reports, USFS, Lines
Chum Salmon Oncorhynchus keta	Washougal River FISHDIST 18697	Occurrence/Migration Occurrence/migration http://wdfw.wa.gov/wlm/diversty/soc/soc.htm http://wdfw.wa.gov/publications/pub.php?	NA	N/A N/A PHS LISTED	N AS MAPPED	WDFW and/or LFA Reports, USFS, Lines
Coast Resident Cutthroat Oncorhynchus clarki	Washougal River FISHDIST 18693	Occurrence/Migration Occurrence/migration http://wdfw.wa.gov/wlm/diversty/soc/soc.htm http://wdfw.wa.gov/publications/pub.php?	NA	N/A N/A PHS LISTED	N AS MAPPED	WA Department of Fish & Wildli Lines
Coho Oncorhynchus kisutch	Washougal River SASI 3780	Occurrence Occurrence http://wdfw.wa.gov/wlm/diversty/soc/soc.htm http://wdfw.wa.gov/publications/pub.php?	NA	Threatened N/A PHS Listed	N AS MAPPED	WDFW Fish Program Lines

Common Name Scientific Name Notes	Site Name Source Dataset Source Record Source Date	Priority Area Occurrence Type More Information (URL) Mgmt Recommendations	Accuracy	Federal Status State Status PHS Listing Status	Sensitive Data Resolution	Source Entity Geometry Type
Coho Salmon Oncorhynchus kisutch	Washougal River FISHDIST 18699	Occurrence/Migration Occurrence/migration http://wdfw.wa.gov/wlm/diversty/soc/soc.htm http://wdfw.wa.gov/publications/pub.php?	NA	N/A N/A PHS LISTED	N AS MAPPED	WDFW and/or LFA Reports, USFS, Lines
Cutthroat Oncorhynchus clarki	Washougal River SASI 7900	Occurrence Occurrence http://wdfw.wa.gov/wlm/diversty/soc/soc.htm http://wdfw.wa.gov/publications/pub.php?	NA	Candidate N/A PHS Listed	N AS MAPPED	WDFW Fish Program Lines
Northern Spotted Owl Strix occidentalis	WS_OwlStatus_Buf	Management Buffer Management buffer http://wdfw.wa.gov/publications/pub.php?	NA	Threatened Endangered PHS Listed	Y TOWNSHIP	WA Dept. of Fish and Wildlife Polygons
PALUSTRINE	N/A NWIPOLY	Aquatic Habitat Aquatic habitat http://www.ecy.wa.	NA	N/A N/A PHS Listed	N AS MAPPED	US Fish and Wildlife Service Polygons
PALUSTRINE	N/A NWIPOLY	Aquatic Habitat Aquatic habitat http://www.ecy.wa.	NA	N/A N/A PHS Listed	N AS MAPPED	US Fish and Wildlife Service Polygons
Steelhead Oncorhynchus mykiss	Washougal River SASI 6784	Occurrence Occurrence http://wdfw.wa.gov/wlm/diversty/soc/soc.htm http://wdfw.wa.gov/publications/pub.php?	NA	Threatened N/A PHS Listed	N AS MAPPED	WDFW Fish Program Lines
Steelhead Oncorhynchus mykiss	Washougal River SASI 6791	Occurrence Occurrence http://wdfw.wa.gov/wlm/diversty/soc/soc.htm http://wdfw.wa.gov/publications/pub.php?	NA	Threatened N/A PHS Listed	N AS MAPPED	WDFW Fish Program Lines
Steelhead Trout Oncorhynchus mykiss	Washougal River FISHDIST 18704	Breeding Area Breeding area http://wdfw.wa.gov/wlm/diversty/soc/soc.htm http://wdfw.wa.gov/publications/pub.php?	NA	N/A N/A PHS LISTED	N AS MAPPED	WDFW and/or LFA Reports, USFS, Lines

Common Name	Site Name	Priority Area	Accuracy	Federal Status	Sensitive Data	Source Entity
Scientific Name	Source Dataset	Occurrence Type		State Status	Resolution	Geometry Type
Notes	Source Record	More Information (URL)		PHS Listing Status		
	Source Date	Mgmt Recommendations				
Steelhead Trout	Washougal River	Breeding Area	NA	N/A	N	WDFW and/or LFA Reports, USFS,
Oncorhynchus mykiss	FISHDIST	Breeding area		N/A	AS MAPPED	Lines
	18707	http://wdfw.wa.gov/wlm/diversty/soc/soc.htm				
		http://wdfw.wa.gov/publications/pub.php?		PHS LISTED		

DISCLAIMER. This report includes information that the Washington Department of Fish and Wildlife (WDFW) maintains in a central computer database. It is not an attempt to provide you with an official agency response as to the impacts of your project on fish and wildlife. This information only documents the location of fish and wildlife resources to the best of our knowledge. It is not a complete inventory and it is important to note that fish and wildlife resources may occur in areas not currently known to WDFW biologists, or in areas for which comprehensive surveys have not been conducted. Site specific surveys are frequently necessary to rule out the presence of priority resources. Locations of fish and wildlife resources are subject to variation caused by disturbance, changes in season and weather, and other factors. WDFW does not recommend using reports more than six months old.

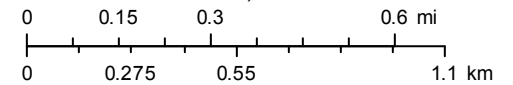
WDFW Test Map



August 27, 2014

-  PHS Report Clip Area
  AS MAPPED
  TOWNSHIP
-  PT
  SECTION
-  LN
  QTR-TWP

1:19,842



Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand),

ATTACHMENT 2

UCL STATISTICS FOR DATA SETS
WITH NON-DETECTS



	A	B	C	D	E	F	G	H	I	J	K	L
1	UCL Statistics for Data Sets with Non-Detects											
2												
3	User Selected Options											
4	Date/Time of Computation			9/3/2014 4:49:00 PM								
5	From File			Schmid.xls								
6	Full Precision			OFF								
7	Confidence Coefficient			95%								
8	Number of Bootstrap Operations			2000								
9												
10	Arsenic											
11												
12	General Statistics											
13	Total Number of Observations				49		Number of Distinct Observations				42	
14	Number of Detects				22		Number of Non-Detects				27	
15	Number of Distinct Detects				21		Number of Distinct Non-Detects				23	
16	Minimum Detect				2.14		Minimum Non-Detect				1.79	
17	Maximum Detect				12.6		Maximum Non-Detect				2.62	
18	Variance Detects				7.047		Percent Non-Detects				55.1%	
19	Mean Detects				4.745		SD Detects				2.655	
20	Median Detects				3.855		CV Detects				0.559	
21	Skewness Detects				1.428		Kurtosis Detects				2.294	
22	Mean of Logged Detects				1.428		SD of Logged Detects				0.509	
23												
24	Normal GOF Test on Detects Only											
25	Shapiro Wilk Test Statistic				0.849		Shapiro Wilk GOF Test					
26	5% Shapiro Wilk Critical Value				0.911		Detected Data Not Normal at 5% Significance Level					
27	Lilliefors Test Statistic				0.184		Lilliefors GOF Test					
28	5% Lilliefors Critical Value				0.189		Detected Data appear Normal at 5% Significance Level					
29	Detected Data appear Approximate Normal at 5% Significance Level											
30												
31	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs											
32	Mean				3.149		Standard Error of Mean				0.331	
33	SD				2.26		95% KM (BCA) UCL				3.827	
34	95% KM (t) UCL				3.704		95% KM (Percentile Bootstrap) UCL				3.719	
35	95% KM (z) UCL				3.693		95% KM Bootstrap t UCL				3.85	
36	90% KM Chebyshev UCL				4.142		95% KM Chebyshev UCL				4.592	
37	97.5% KM Chebyshev UCL				5.217		99% KM Chebyshev UCL				6.445	
38												
39	Gamma GOF Tests on Detected Observations Only											
40	A-D Test Statistic				0.655		Anderson-Darling GOF Test					
41	5% A-D Critical Value				0.747		Detected data appear Gamma Distributed at 5% Significance Level					
42	K-S Test Statistic				0.157		Kolmogrov-Smirnoff GOF					
43	5% K-S Critical Value				0.186		Detected data appear Gamma Distributed at 5% Significance Level					
44	Detected data appear Gamma Distributed at 5% Significance Level											
45												
46	Gamma Statistics on Detected Data Only											
47	k hat (MLE)				4.02		k star (bias corrected MLE)				3.502	
48	Theta hat (MLE)				1.18		Theta star (bias corrected MLE)				1.355	
49	nu hat (MLE)				176.9		nu star (bias corrected)				154.1	
50	MLE Mean (bias corrected)				4.745		MLE Sd (bias corrected)				2.536	

	A	B	C	D	E	F	G	H	I	J	K	L
51												
52	Gamma Kaplan-Meier (KM) Statistics											
53	k hat (KM)					1.94	nu hat (KM)					190.2
54	Approximate Chi Square Value (190.17, α)					159.3	Adjusted Chi Square Value (190.17, β)					158.4
55	95% Gamma Approximate KM-UCL (use when $n \geq 50$)					3.759	95% Gamma Adjusted KM-UCL (use when $n < 50$)					3.78
56												
57	Gamma ROS Statistics using Imputed Non-Detects											
58	GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs											
59	GROS may not be used when kstar of detected data is small such as < 0.1											
60	For such situations, GROS method tends to yield inflated values of UCLs and BTVs											
61	For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates											
62	Minimum					0.01	Mean					2.14
63	Maximum					12.6	Median					0.01
64	SD					2.954	CV					1.381
65	k hat (MLE)					0.27	k star (bias corrected MLE)					0.267
66	Theta hat (MLE)					7.918	Theta star (bias corrected MLE)					8.005
67	nu hat (MLE)					26.49	nu star (bias corrected)					26.2
68	MLE Mean (bias corrected)					2.14	MLE Sd (bias corrected)					4.139
69							Adjusted Level of Significance (β)					0.0451
70	Approximate Chi Square Value (26.20, α)					15.53	Adjusted Chi Square Value (26.20, β)					15.28
71	95% Gamma Approximate UCL (use when $n \geq 50$)					3.61	95% Gamma Adjusted UCL (use when $n < 50$)					3.669
72												
73	Lognormal GOF Test on Detected Observations Only											
74	Shapiro Wilk Test Statistic					0.934	Shapiro Wilk GOF Test					
75	5% Shapiro Wilk Critical Value					0.911	Detected Data appear Lognormal at 5% Significance Level					
76	Lilliefors Test Statistic					0.153	Lilliefors GOF Test					
77	5% Lilliefors Critical Value					0.189	Detected Data appear Lognormal at 5% Significance Level					
78	Detected Data appear Lognormal at 5% Significance Level											
79												
80	Lognormal ROS Statistics Using Imputed Non-Detects											
81	Mean in Original Scale					2.748	Mean in Log Scale					0.697
82	SD in Original Scale					2.533	SD in Log Scale					0.757
83	95% t UCL (assumes normality of ROS data)					3.355	95% Percentile Bootstrap UCL					3.389
84	95% BCA Bootstrap UCL					3.431	95% Bootstrap t UCL					3.551
85	95% H-UCL (Log ROS)					3.358						
86												
87	UCLs using Lognormal Distribution and KM Estimates when Detected data are Lognormally Distributed											
88	KM Mean (logged)					0.978	95% H-UCL (KM -Log)					3.534
89	KM SD (logged)					0.528	95% Critical H Value (KM-Log)					1.909
90	KM Standard Error of Mean (logged)					0.078						
91												
92	DL/2 Statistics											
93	DL/2 Normal					DL/2 Log-Transformed						
94	Mean in Original Scale					2.75	Mean in Log Scale					0.704
95	SD in Original Scale					2.529	SD in Log Scale					0.744
96	95% t UCL (Assumes normality)					3.356	95% H-Stat UCL					3.332
97	DL/2 is not a recommended method, provided for comparisons and historical reasons											
98												
99	Nonparametric Distribution Free UCL Statistics											
100	Detected Data appear Approximate Normal Distributed at 5% Significance Level											

	A	B	C	D	E	F	G	H	I	J	K	L
101												
102	Suggested UCL to Use											
103	95% KM (t) UCL					3.704	95% KM (Percentile Bootstrap) UCL					3.719
104												
105	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.											
106	Recommendations are based upon data size, data distribution, and skewness.											
107	These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).											
108	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.											
109												
110												
111	Chromium											
112												
113	General Statistics											
114	Total Number of Observations					49	Number of Distinct Observations					47
115							Number of Missing Observations					0
116	Minimum					3.62	Mean					17.98
117	Maximum					50.8	Median					17.9
118	SD					7.853	Std. Error of Mean					1.122
119	Coefficient of Variation					0.437	Skewness					1.235
120												
121	Normal GOF Test											
122	Shapiro Wilk Test Statistic					0.911	Shapiro Wilk GOF Test					
123	5% Shapiro Wilk Critical Value					0.947	Data Not Normal at 5% Significance Level					
124	Lilliefors Test Statistic					0.118	Lilliefors GOF Test					
125	5% Lilliefors Critical Value					0.127	Data appear Normal at 5% Significance Level					
126	Data appear Approximate Normal at 5% Significance Level											
127												
128	Assuming Normal Distribution											
129	95% Normal UCL						95% UCLs (Adjusted for Skewness)					
130	95% Student's-t UCL					19.86	95% Adjusted-CLT UCL (Chen-1995)					20.04
131							95% Modified-t UCL (Johnson-1978)					19.89
132												
133	Gamma GOF Test											
134	A-D Test Statistic					1.198	Anderson-Darling Gamma GOF Test					
135	5% A-D Critical Value					0.754	Data Not Gamma Distributed at 5% Significance Level					
136	K-S Test Statistic					0.149	Kolmogrov-Smirnoff Gamma GOF Test					
137	5% K-S Critical Value					0.127	Data Not Gamma Distributed at 5% Significance Level					
138	Data Not Gamma Distributed at 5% Significance Level											
139												
140	Gamma Statistics											
141	k hat (MLE)					5.015	k star (bias corrected MLE)					4.721
142	Theta hat (MLE)					3.586	Theta star (bias corrected MLE)					3.808
143	nu hat (MLE)					491.4	nu star (bias corrected)					462.7
144	MLE Mean (bias corrected)					17.98	MLE Sd (bias corrected)					8.275
145							Approximate Chi Square Value (0.05)					413.8
146	Adjusted Level of Significance					0.0451	Adjusted Chi Square Value					412.4
147												
148	Assuming Gamma Distribution											
149	95% Approximate Gamma UCL (use when n>=50))					20.1	95% Adjusted Gamma UCL (use when n<50)					20.17
150												

	A	B	C	D	E	F	G	H	I	J	K	L
151	Lognormal GOF Test											
152	Shapiro Wilk Test Statistic					0.918	Shapiro Wilk Lognormal GOF Test					
153	5% Shapiro Wilk Critical Value					0.947	Data Not Lognormal at 5% Significance Level					
154	Lilliefors Test Statistic					0.181	Lilliefors Lognormal GOF Test					
155	5% Lilliefors Critical Value					0.127	Data Not Lognormal at 5% Significance Level					
156	Data Not Lognormal at 5% Significance Level											
157												
158	Lognormal Statistics											
159	Minimum of Logged Data					1.286	Mean of logged Data					2.786
160	Maximum of Logged Data					3.928	SD of logged Data					0.49
161												
162	Assuming Lognormal Distribution											
163	95% H-UCL					20.89	90% Chebyshev (MVUE) UCL					22.25
164	95% Chebyshev (MVUE) UCL					24.07	97.5% Chebyshev (MVUE) UCL					26.59
165	99% Chebyshev (MVUE) UCL					31.55						
166												
167	Nonparametric Distribution Free UCL Statistics											
168	Data appear to follow a Discernible Distribution at 5% Significance Level											
169												
170	Nonparametric Distribution Free UCLs											
171	95% CLT UCL					19.83	95% Jackknife UCL					19.86
172	95% Standard Bootstrap UCL					19.82	95% Bootstrap-t UCL					19.99
173	95% Hall's Bootstrap UCL					20.42	95% Percentile Bootstrap UCL					19.96
174	95% BCA Bootstrap UCL					20.02						
175	90% Chebyshev(Mean, Sd) UCL					21.35	95% Chebyshev(Mean, Sd) UCL					22.87
176	97.5% Chebyshev(Mean, Sd) UCL					24.99	99% Chebyshev(Mean, Sd) UCL					29.14
177												
178	Suggested UCL to Use											
179	95% Student's-t UCL					19.86						
180												
181	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.											
182	These recommendations are based upon the results of the simulation studies summarized in Singh, Singh, and Iaci (2002)											
183	and Singh and Singh (2003). However, simulations results will not cover all Real World data sets.											
184	For additional insight the user may want to consult a statistician.											
185												
186	Lead											
187												
188	General Statistics											
189	Total Number of Observations					49	Number of Distinct Observations					47
190	Number of Detects					41	Number of Non-Detects					8
191	Number of Distinct Detects					39	Number of Distinct Non-Detects					8
192	Minimum Detect					2.13	Minimum Non-Detect					1.97
193	Maximum Detect					208	Maximum Non-Detect					2.57
194	Variance Detects					1631	Percent Non-Detects					16.33%
195	Mean Detects					21.83	SD Detects					40.38
196	Median Detects					7.48	CV Detects					1.85
197	Skewness Detects					3.393	Kurtosis Detects					12.3
198	Mean of Logged Detects					2.23	SD of Logged Detects					1.179
199												
200	Normal GOF Test on Detects Only											

	A	B	C	D	E	F	G	H	I	J	K	L	
201	Shapiro Wilk Test Statistic					0.519	Shapiro Wilk GOF Test						
202	5% Shapiro Wilk Critical Value					0.941	Detected Data Not Normal at 5% Significance Level						
203	Lilliefors Test Statistic					0.313	Lilliefors GOF Test						
204	5% Lilliefors Critical Value					0.138	Detected Data Not Normal at 5% Significance Level						
205	Detected Data Not Normal at 5% Significance Level												
206													
207	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs												
208	Mean					18.59	Standard Error of Mean					5.382	
209	SD					37.21	95% KM (BCA) UCL					28.56	
210	95% KM (t) UCL					27.62	95% KM (Percentile Bootstrap) UCL					28.48	
211	95% KM (z) UCL					27.45	95% KM Bootstrap t UCL					36.93	
212	90% KM Chebyshev UCL					34.74	95% KM Chebyshev UCL					42.05	
213	97.5% KM Chebyshev UCL					52.2	99% KM Chebyshev UCL					72.14	
214													
215	Gamma GOF Tests on Detected Observations Only												
216	A-D Test Statistic					2.799	Anderson-Darling GOF Test						
217	5% A-D Critical Value					0.793	Detected Data Not Gamma Distributed at 5% Significance Level						
218	K-S Test Statistic					0.205	Kolmogrov-Smirnoff GOF						
219	5% K-S Critical Value					0.144	Detected Data Not Gamma Distributed at 5% Significance Level						
220	Detected Data Not Gamma Distributed at 5% Significance Level												
221													
222	Gamma Statistics on Detected Data Only												
223	k hat (MLE)					0.707	k star (bias corrected MLE)					0.672	
224	Theta hat (MLE)					30.87	Theta star (bias corrected MLE)					32.5	
225	nu hat (MLE)					57.98	nu star (bias corrected)					55.07	
226	MLE Mean (bias corrected)					21.83	MLE Sd (bias corrected)					26.63	
227													
228	Gamma Kaplan-Meier (KM) Statistics												
229	k hat (KM)					0.25	nu hat (KM)					24.46	
230	Approximate Chi Square Value (24.46, α)					14.2	Adjusted Chi Square Value (24.46, β)					13.96	
231	95% Gamma Approximate KM-UCL (use when $n \geq 50$)					32.03	95% Gamma Adjusted KM-UCL (use when $n < 50$)					32.57	
232													
233	Gamma ROS Statistics using Imputed Non-Detects												
234	GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs												
235	GROS may not be used when kstar of detected data is small such as < 0.1												
236	For such situations, GROS method tends to yield inflated values of UCLs and BTVs												
237	For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates												
238	Minimum					0.01	Mean					18.26	
239	Maximum					208	Median					5.33	
240	SD					37.75	CV					2.067	
241	k hat (MLE)					0.372	k star (bias corrected MLE)					0.363	
242	Theta hat (MLE)					49.13	Theta star (bias corrected MLE)					50.37	
243	nu hat (MLE)					36.43	nu star (bias corrected)					35.53	
244	MLE Mean (bias corrected)					18.26	MLE Sd (bias corrected)					30.33	
245							Adjusted Level of Significance (β)					0.0451	
246	Approximate Chi Square Value (35.53, α)					22.89	Adjusted Chi Square Value (35.53, β)					22.58	
247	95% Gamma Approximate UCL (use when $n \geq 50$)					28.35	95% Gamma Adjusted UCL (use when $n < 50$)					28.74	
248													
249	Lognormal GOF Test on Detected Observations Only												
250	Shapiro Wilk Test Statistic					0.913	Shapiro Wilk GOF Test						

	A	B	C	D	E	F	G	H	I	J	K	L	
251	5% Shapiro Wilk Critical Value					0.941	Detected Data Not Lognormal at 5% Significance Level						
252	Lilliefors Test Statistic					0.138	Lilliefors GOF Test						
253	5% Lilliefors Critical Value					0.138	Detected Data appear Lognormal at 5% Significance Level						
254	Detected Data appear Approximate Lognormal at 5% Significance Level												
255													
256	Lognormal ROS Statistics Using Imputed Non-Detects												
257	Mean in Original Scale					18.39	Mean in Log Scale					1.821	
258	SD in Original Scale					37.69	SD in Log Scale					1.429	
259	95% t UCL (assumes normality of ROS data)					27.42	95% Percentile Bootstrap UCL					28.79	
260	95% BCA Bootstrap UCL					30.68	95% Bootstrap t UCL					35.23	
261	95% H-UCL (Log ROS)					30.82							
262													
263	UCLs using Lognormal Distribution and KM Estimates when Detected data are Lognormally Distributed												
264	KM Mean (logged)					1.98	95% H-UCL (KM -Log)					23.45	
265	KM SD (logged)					1.206	95% Critical H Value (KM-Log)					2.571	
266	KM Standard Error of Mean (logged)					0.174							
267													
268	DL/2 Statistics												
269	DL/2 Normal					DL/2 Log-Transformed							
270	Mean in Original Scale					18.44	Mean in Log Scale					1.881	
271	SD in Original Scale					37.67	SD in Log Scale					1.339	
272	95% t UCL (Assumes normality)					27.47	95% H-Stat UCL					27.3	
273	DL/2 is not a recommended method, provided for comparisons and historical reasons												
274													
275	Nonparametric Distribution Free UCL Statistics												
276	Detected Data appear Approximate Lognormal Distributed at 5% Significance Level												
277													
278	Suggested UCL to Use												
279	95% KM (Chebyshev) UCL					42.05							
280													
281	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.												
282	Recommendations are based upon data size, data distribution, and skewness.												
283	These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).												
284	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.												
285													