SHALLOW SOIL CHARACTERIZATION

COAST MIRROR
1732 NE 2ND AVENUE
PORTLAND, OREGON 97212

Prepared for:

Parker McNulty, Manager
ENT Ventures V LLC
1300 SW Park Avenue, Apt #408
Portland, OR 97201

Prepared by:

Creekside Environmental Consulting, LLC
21790 Southwest Chehalis Court
Portland, Oregon 97212
T. (503) 692-8118 F. (503) 885-9702

Site Investigation performed on July 16, 2015

Project No. CM-2015.1 / 351-10010-05

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Portland, OR 97201

Prepared by:

CERTIFIED OREGON LYNN DELAVAN GREEN E2332 ENGINEERING GEOLOGIST Exp 1/31/2016

Lynn Green, C.E.G., *Technical Manager, ENW*

and

REGISTERED PROFESSIONAL OREGON BARBARA E. LARY #G1722 GEOLOGIST Expires 11/30/15

Barbara E. Lary, R.G., *Senior Geologist, ENW*

Reviewed by:

Brent Jorgensen, *Principal, Project Manager*

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ACRONYMS AND ABBREVIATIONS

bgs	below ground surface
CFSL	clean fill screening level
Creekside	Creekside Environmental Consulting, LLC
Client	Parker McNulty, Manager, ENT Ventures V LLC
COIs	constituents of interest
COPCs	constituents of potential concern
COCs	constituents of concern
DRO	diesel-range organics
ENW	EVREN Northwest, Inc.
EPA	U.S. Environmental Protection Agency
GRO	gasoline-range organics
mg/Kg	milligrams per kilogram
OAR	Oregon Administrative Rule
ODEQ	Oregon Department of Environmental Quality
PAHs	polynuclear aromatic hydrocarbons
PCBs	polychlorinated biphenyls
PCE	tetrachloroethene
PID	photoionization detector
RBC	risk-based concentration
RBDM	ODEQ's September 2003 *Risk-Based Decision Making for the Remediation of Petroleum-Contaminated Sites* guidance document
RCRA	Resource Conservation and Recovery Act
RRO	residual (oil)-range organics
SLRBC	screening level risk-based concentration
SOW	scope of work
TPH	total petroleum hydrocarbons
VOCs	volatile organic constituents

1.0 INTRODUCTION

Creekside Environmental Consulting, LLC (Creekside) conducted shallow soil sampling in July 2015 at the Coast Mirror facility located at 1732 NE 2nd Avenue in Portland, Oregon 97212 (the "subject site"; Figures 1 and 2). The methods and results of this assessment are described in this report. EVREN Northwest, Inc. (ENW) collaborated with Creekside on this project.

1.1 Purpose

The purpose of this work was to characterize metal-enriched shallow soil at the site for extant and concentrations to assist decision making regarding potential site redevelopment. During the work non-metal impacts were also identified and characterized.

1.2 Authorization

Parker McNulty, manager for ENT Ventures V LLC (Client), authorized this project. This report is for the exclusive use of the Client and its representatives and authorized agents.

1.3 Background

The subject property was vacant or residentially developed until approximately 1924 when the current building was constructed on the western half of the site. Two residences existed on the eastern half until 1964 when they were demolished and the current metal structure (warehouse) was constructed. The building has been owned and operated by Coast Mirror Company since the mid-1930s for the fabrication of custom glass and mirrors. The older portion of the building may have been used as an auto shop and garage from 1924 through the mid-1930s.

Conclusions from Creekside's October 2010 Phase I Environmental Site Assessment[1] identified the following:

- Chemicals used in the mirror manufacturing process include silver nitrate, ammonia, sulfuric acid, caustic soda, sodium potassium tartrate (salt), shellac, alcohol (to mix with shellac), coolant, lead nitrate and cerium (IV) oxide. According to the owner, the only chemical stored in quantities of 55 gallons or greater is oil-based paint; however, quantities of greater than 55 gallons of liquid toluene were noted as well. Although most of these chemicals are used up in the operations processes, some residue has the potential to get placed in one of two concrete-lined sumps for storage prior to disposal via the city sewer or trash bins (for solids). Additionally, there is an open in-ground hole in the bathroom floor.
- A 550-gallon underground storage tank was present on the west side of the building under the sidewalk. The tank was decommissioned by removal in June 2011 by EcoTech.
- According to the EDR Report, City Directories and Sanborn Maps, adjacent and surrounding properties were historically occupied by auto repair garages, car dealerships and dry cleaning facilities. . . Due to the nature of chemicals used by these businesses, the number of years they operated, and their proximity to the subject site, a possibility

[1] Creekside. 2010. *Phase I Environmental Site Assessment*, Coast Mirror, 1732 NE 2nd Avenue, Portland, Oregon 97212: Project # CM-2010.1, 23 pages, appendices, figures, tables. October 13.

exists of residual metal cleaning solvents, regulated metals, oil, fuel, or dry cleaning solvents in soil and/or ground water in the vicinity of or beneath the subject site.

- Past land uses of the vacant parking lot located on the southeast side of the site may have included residential dwelling and may have included the installation of an underground storage tank for heating oil.

1.4 Summary of Environmental Investigations:

Creekside completed several phases of work for the site owners in 2011. Findings and conclusions from that work are summarized below:

- Arsenic, silver and lead are present at elevated concentrations in soil, especially in the area of the sumps; one located in the bathroom in the silvering room and in the central portion of the building. Further delineation indicates that lead and silver are present in subsurface soils (depths > 3 feet).
- Tetrachloroethene (PCE) was detected in a shallow soil sample (2 feet below ground surface (bgs)) located inside the sand blasting shed, exceeding the risk-based concentrations (RBCs) for residential receptors.
- Gasoline-range organics (GRO) and several volatile organic constituents (VOCs) were detected in a sub-slab vapor samples, but concentrations were below the RBCs for soil gas.

Further delineation and assessment of risk was performed by Creekside in August 2011[2], which identified the following applicable pathways and receptors:

1. Direct contact with surface soil (future urban residents, occupational workers, construction workers, excavation workers)
2. Direct contact with subsurface soil (excavation workers)
3. Vapor intrusion into a building (future urban residents, occupational workers)
4. Volatilization into outdoor air (future urban residents, occupational workers, construction workers, excavation workers)

Based on this, the following constituents were identified as Constituents of Concern (COC):

- Total lead,
- Total silver, and
- Total arsenic.

While this investigation reported enriched concentrations of these constituents at several locations beneath the building, delineation sampling was limited to areas there COCs exceeded applicable RBCs.

[2] Creekside, August 31, 2011, *Delineation Soil Sampling and Risk-Based Assessment*.

1.5 Scope

The scope of work was developed from both the purpose (to characterize metal-enriched shallow soil at the site for extant and concentrations to assist decision making regarding potential site redevelopment) and the findings of Creekside's previous work conducted in October 2010, July 2011 and August 2011 and summarized below.

Creekside completed the following scope of work (SOW) for this project:

- Prepared an internal sample/analysis plan for additional subsurface investigation.
- Supervised borehole clearance.
- Inspected, logged and collected shallow subsurface soil samples for laboratory analyses.
- Submitted soil samples to independent laboratories for selected analytical procedures.
- Evaluated analytical results with respect to previous assessment of risk and the State's Clean Fill criteria, and
- Prepared this report.

2.0 SITE LOCATION AND SETTING

2.1 Location

The subject property is located in the City of Portland, Multnomah County, Oregon. It is designated as Township 1N, Range 1E, Section 27DD, tax lots 8600 and 8700 by the Multnomah County Assessor's office. The site is rectangular in shape and totals 0.46 acres in size. A map showing the tax lot is presented as Figure 2.

2.2 Site and Vicinity Use Description

The subject property is currently developed with two single-story structures built around 1924 and 1964. Both structures are currently used for glass and mirror fabrication which includes cutting, shaping, silvering and antiquing. According to the current business owner, Ed Roughton, the business, Coast Mirror Company, has been at this location and family owned for over 75 years. The subject property is zoned as Central Commercial by the City of Portland.

The site has parking lots to the south and west, a Kia auto dealer to the east, Social Security buildings to the north, and retail buildings to the south.

2.3 Topography

Creekside reviewed topographic maps of the site provided by the US Geological Survey and Multnomah County. The subject property is shown as having an approximate elevation of 137 feet above sea level (Figure 1). The regional topographic slope in the vicinity of the site is westward, toward the Willamette River; however the site is approximately flat.

2.4 Geology

The site is located in the Portland Basin of northwestern Oregon. The Basin is a structural depression between the Portland Hills to the west and the Cascade Range to the east. The erosional and depositional alluvial processes of the Willamette, Columbia and tributary streams have modified the structural depression of the basin.

The subject property is mapped on fine-grained facies of the catastrophic flood deposits (late Pleistocene Missoula Floods). During the subsurface investigation at the site, the uppermost six feet (approximate) of soils were identified as clayey silts, silty clays and fine sandy silts.

2.5 Hydrogeologic Setting

2.5.1 Surface Water

No surface water was noted on the subject property. The closest major body of water is the Willamette River, located approximately ½ mile southwest of the site.

2.5.2 Ground Water

During the investigation performed at the site, ground water was not encountered. There are no known water wells (monitoring, water, geothermal, or dewatering) on the property. The USGS estimates the depth to ground water in this area of Portland at almost 100 feet depth bgs.[3]

[3] USGS, Oregon Water Science Center. Estimated Depth to Ground Water in the Portland, Oregon Area.

3.0 METHODS AND PROCEDURES

All information generated for this project was developed with the following specific objectives:

- To conduct an adequate and cost-effective investigation for the purposes of assessing impacts to the site, and in providing information that can be used by the Oregon Department of Environmental Quality (ODEQ) and the Client in assessing human health risks.
- To perform the investigation in a manner safe for technical personnel on-site, and that would result in minimal, if any, impacts to the property.
- To document information and data generated under this statement of work that is valid for the intended use.

The remainder of this section describes the methods and procedures used for this investigation. A photographic log of field work is presented in Appendix A. Findings are presented in Section 4.

3.1 Soil Sampling Methodology

On July 16, 2015, Creekside supervised the completion of hand auger borings and collected a minimum of two shallow soil samples from each of the 21 borings (B14 through B35). Boring locations were placed in a general systematic grid pattern across the site, both indoors and outdoors. Although locations were modified to accommodate indoor features, boring B26 was not completed since it was located in the middle of glass storage. Discrete sampling locations are shown on Figure 3.

A soil sample was generally collected from approximately one (1) foot bgs and 3.5 feet bgs, unless field screening indicated impacts at other depth intervals. Deeper soil samples were put on hold pending initial analytical results on the shallow samples. Soil logging and sample collection was performed under the oversight of a Registered Geologist. Before and after each boring location, sampling tools were decontaminated using a wash sequence of Alconox® solution, fresh tap water, and final deionized water final rinse. Boring locations were placed in a rough grid across the site, with locations adjusted for site features when necessary. Borings located indoors had the concrete floor cored to access the soil beneath the building. Borings were advanced using a hand auger.

Samples selected for laboratory analysis were immediately transferred with fresh Nitrile gloves to laboratory-supplied containers. The containers were immediately sealed with minimal interior headspace. The samples were each marked with a distinctive designation, the date, time, project number, and sampler's name, and then immediately placed in cooled storage until delivered to the laboratory under chain-of-custody protocols. Samples were also screened by being placed in Ziploc® bags for headspace screening with a photoionization detector (PID) and field identification.

The temporary soil borings were backfilled with bentonite chips to within six (6) inches of the ground surface after boring completion. The original surface was then restored on all indoor samples using hydraulic cement.

3.2 Analytical Methods

Apex Labs of Tigard, Oregon performed the laboratory analyses for soil. Copies of the laboratory analytical reports are included as Appendix C. Table 3-1 summarizes the analyses requested from the laboratory.

Table 3-1. Analytical Plan

Analytical Method	Constituents	Soil
US Environmental Protection Agency (EPA) 200.8	Select Metals: Arsenic (As), Lead (Pb), Silver (Ag)	All shallow samples and selected deeper samples
NWTPH-HCID, NWTPH-Gx and NWTH-Dx	Total petroleum hydrocarbons identification with quantification of gasoline range (GRO) and diesel and heavy oil range (DRO and RRO)	Select samples based on field evidence and delineation purposes: borings B18, B19, B21, B22, B-23, B29, B30, B31, B35
EPA 8260B	Volatile Organic Constituents (VOCs)	Select samples based on field evidence; borings B21, B22, B30
EPA 8082A	Polychlorinated Biphenyls (PCBs)	Based on detections of RRO by method NWTPH-Dx; borings B21, B30
EPA 8270D SIM	Polynuclear Aromatic Hydrocarbons (PAHs)	Based on detections of DRO and/or RRO by method NWTPH-Dx; borings B21, B30

3.3 Cleanup Standards

3.3.1 Risk-Based Decision Making

The assessment and remediation of hazardous substances in Oregon are conducted according to Oregon Administrative Rule (OAR) 340, Division 122, Hazardous Substance Remedial Action Rules. Risk-based cleanup concentrations are derived in accordance with ODEQ's Risk-Based Decision Making for the Remediation of Petroleum Contaminated Sites (RBDM) guidance document. This document provides guidance on the remediation of petroleum contamination from:

- Underground storage tanks regulated under the Cleanup Rules for Leaking Petroleum Underground Storage Tank Systems (OAR 340-122-0205 through 340-122-0360).
- Other sources of contamination regulated under the Hazardous Substance Remedial Action Rules (OAR 340-122-0010 through 340-122-0115).

ODEQ allows site closure using a risk-based approach described in the agency's RBDM guidance document, 2003 revision. Risk-based concentrations (RBCs) tabulated by ODEQ were developed as screening levels for suspect sites based on Oregon unacceptable additional risk criteria for cancer occurrence and for non-carcinogenic health impacts. The State of Oregon considers acceptable additional risk of cancer from contact with carcinogenic constituents at less than one in one million incidences, or, for non-carcinogenic constituents, below the constituent threshold concentration at which health impacts would occur.

As previously mentioned, Creekside previously conducted an assessment, which identified the following applicable pathways and receptors:

1. Direct contact with surface soil (future urban residents, occupational workers, construction workers, excavation workers)
2. Direct contact with subsurface soil (excavation workers)
3. Vapor intrusion into a building (future urban residents, occupational workers)
4. Volatilization into outdoor air (future urban residents, occupational workers, construction workers, excavation workers)

3.3.2 Background Concentrations (Metals)

Analytical data were compared with background concentrations established by the ODEQ[4]. Values used were for the Portland Basin. ODEQ does not require cleanup for metals concentrations below default background concentrations.

3.3.3 Clean Fill Screening (Unrestricted Upland Disposal)

Clean fill screening level (CFSLs) were provided by the ODEQ and assume fill soils would be placed at least 100 feet from a surface water body[5].

[4] ODEQ, March 20, 2013, Fact Sheet: Background Levels of Metals in Soils for Cleanups.
[5] ODEQ, October 2009, DEQ-NWR Clean Fill Screening Table for Unrestricted Upland Disposal. Solid Waste Program

4.0 SOIL SAMPLING RESULTS

On July 16, 2015, Creekside supervised the completion of hand auger borings and collected a minimum of two (2) shallow soil samples from each of the 21 borings (B14 through B35). Soil sampling methodology was previously described in Section 3.1. The following table summarizes sample ID, depth collected and location.

Table 4-1. Soil Sample Summary

Sample ID	Date Sampled	Depth Sampled (feet)	Location
B15 / 1	7/16/15	1	Parking area, SE corner of site
B16-2.5	7/16/15	2.5	
B16-5.5	7/16/15	5.5	
B17-1	7/16/15	1	
B18-1.5	7/16/15	1.5	
B18-3-3.5	7/16/15	3-3.5	
B19-1	7/16/15	1	Indoors- warehouse
B19-3.5	7/16/15	3.5	
B20 / 1	7/16/15	1	
B21-1	7/16/15	1	
B21-1.5	7/16/15	1.5	
B21-3.5	7/16/15	3.5	
B22 / 1	7/16/15	1	
B23-1	7/16/15	1	
B23-3.5	7/16/15	3.5	
B24 / 1	7/16/15	1	
B25 / 1 (a)	7/16/15	1	Indoors - shop area
B25 / 3.5 (a)	7/16/15	3.5	
B27-1	7/16/15	1	
B27-3.5	7/16/15	3.5	
B28 / 1	7/16/15	1	
B29-1	7/16/15	1	Office/show room
B29-3.5	7/16/15	3.5	
B30 / 1.5	7/16/15	1.5	
B30 / 4.5	7/16/15	4.5	
B31 / 1	7/16/15	1	Silvering room
B31 / 3.5	7/16/15	3.5	
B32-1	7/16/15	1	Indoors - shop area
B32-3.5	7/16/15	3.5	
B33 / 1	7/16/15	1	
B34-1	7/16/15	1	
B34-3.5	7/16/15	3.5	
B35 / 1.0	7/16/15	1	
B35 / 3.75	7/16/15	3.75	

Boring locations were placed in a rough systematic grid pattern across the site, both indoors and outdoors. Although locations were modified to accommodate indoor features, boring B26 was not completed since it was located in the middle of glass storage.

Impacted soils were indicated by field screening at borings B21 and B31. None of the other borings had field indications (PID, visual and/or olfactory) indications of impacts.

Discrete sampling locations are shown on Figures 3 and 4. A summary of analytical results which includes all laboratory detections is presented in Table 1, which includes results from Creekside's previous investigation (July and August 2011).

Note that ODEQ guidance states that a "nondetect" is considered adequate confirmation that a constituent is not present as long as standard analytical method detection limits are met.

4.1 Analytical Results for Soils

4.1.1 Metals

Previous soil sampling indicated the metals arsenic, lead and silver were potentially enriched in site soil, so shallow soil samples from 21 boring locations were analyzed for these three metals. In addition, deeper soil samples were analyzed in nine (9) borings to provide indication of vertical extent of enrichment. A total of thirty (30) samples were analyzed for one or more of the following metals. This discussion includes data collected from Creekside's previous investigations:

- **Arsenic** occurs naturally in this region's soil and even though the screening-level RBC (SLRBC) for arsenic is lower than the background concentration, the background concentration (8.8 mg/Kg) is used as the cleanup guide. Enriched concentrations of arsenic (above background) have been reported in shallow soil samples collected from borings B1, B4, B6 and B32 and extent up to ten (10) feet BGS in at least one area of the site (boring B4). In other areas enrichment was limited to surface soil (<3 feet bgs).

- **Lead**'s background concentration (79 mg/Kg) is also greater than the SLRBC and is used as the cleanup guide. Enriched concentrations of lead (above background) have been reported in soil samples collected from borings B1, B4, B5, B9, B21, B32 and B34. ODEQ's Solid Waste Program uses a different concentration for lead for their CFSL (28 mg/Kg).[6] Using this concentration to determine if concentrations in shallow soil do not represent clean fill (and would therefore be required to be disposed in an ODEQ-approved manner if disturbed), the following sample locations exceed this concentration: borings B1, B4, B5, B9, B21, B25, B28, B32 and B34. Sample B32-1, collected near the sump outside the silvering room, had the highest lead concentration of 12,400 mg/Kg. This lead concentration is an order of magnitude higher than that found in the samples collected previously from the two sumps. Enriched concentrations of lead (above both background and CFSLs) extent up to ten (10) feet BGS in two areas of the site (borings B1 and B4) and deeper than 3.5 feet bgs at boring location B32. In other areas this enrichment was limited to surface soil (<3 feet bgs).

- **Silver** has a very low background concentration, therefore the SLRBC (390 mg/Kg) is used as the cleanup guide. Silver has been detected at concentrations above the SLRBC in only soil sample collected from boring B1. However, if soil is to be removed, the background concentration (0.82 mg/Kg) must be considered as silver-enriched soil (soil above the background concentration) must be disposed in an ODEQ-approved manner (e.g., it does not qualify as clean fill). The following locations show enrichment of silver

[6] The rationale for this is that the higher background concentration of lead in the Portland Basin may be due to anthropogenic processes.

above is background concentrations: borings B1, B2, B3, B4, B6, B31, and B32). With the exception of borings B1, B2, and B4, enrichment of silver is limited to surface soil (<3 feet bgs). In these other borings, enrichment is indicated to depths between six (6) and ten (10) feet depth (possibly deeper at boring location B1).

Figures 3 and 4 provide a visual summary of soil sampling results for shallow (<2 feet bgs) and deep (>2 feet bgs) metal-enriched soils. These figures also estimate the aerial extent of metal-enriched soil at each depth.

4.1.2 Volatile Organic Constituents

Three samples (B21/1, B22/1, and B30/1.5) were analyzed for VOCs during the July 2015 investigation. Naphthalene, 1,2,3-trimethylbenzene and 1,3,5-trimethylbenzene in sample B30/1.5 were the only detections, and only naphthalene exceeded its SLRBC.

4.1.3 Semi-Volatile Organic Constituents

- Polychlorinated Biphenyls (PCBs): Two samples (B21/1, and B30/1.5) were analyzed for PCBs, due to detections of RRO. No PCBs were detected in either of these samples.
- Polycyclic Aromatic Hydrocarbons (PAHs). Three samples (B1-1, B21/1, and B30/1.5) were analyzed for PCBs, due to detections of DRO, RRO or based of field indications. Only Benzo[a]pyrene exceed is SLRBC and only at one (1) location (boring B21). However, concentrations of three PAH constituents at two (2) locations exceed CFSLs, specifically borings B1 and B21.

4.1.4 Petroleum Hydrocarbons

Eighteen (18) soil samples were analyzed for petroleum hydrocarbons during the July 2015 investigation. The results are discussed below:

- Gasoline-range organics (GRO) was detected in two (2) of the six (6) samples analyzed, B30-1.5 at 1,220 mg/Kg which decreased to 177 mg/Kg by 4.5 feet bgs. This boring is located near the west central wall of the building, near the former heating oil UST. These concentrations exceed both the Soil Matrix cleanup level (80 mg/Kg) and the SLRBC (31 mg/Kg).
- Diesel-range organics (DRO) was detected in three (3) out of 18 samples analyzed. Soils from boring B30 had the highest concentration at 31,500 mg/Kg at 1.5 foot bgs and decreased to 1,110 mg/Kg by 4.5 feet bgs. These concentrations are above both the Soil Matrix cleanup level (500 mg/Kg) and SLRBC (1,100 mg/Kg) for DRO.
- Residual-range organics (RRO) was detected in four out of 18 samples analyzed. Only one of the three samples (B21-1.5) had a concentration above the Soil Matrix cleanup level (500 mg/Kg); however, below the SLRBC (2,800 mg/Kg). This boring is located in the warehouse area (Figure 3).

4.1.5 Discussion of Findings

The data indicates arsenic, lead and silver are elevated above their background and/or CFSL concentrations in soils under the western portion of the building. The eastern portion (warehouse) had elevated petroleum hydrocarbons and lead in the area of B21, which decreased to below detection limits by 3.5 feet bgs, indicating a possible historical surface release.

Lead and PCE exceeded their SLRBC in soil beneath the sandblasting shed. Results from nearby borings indicate that impacts of PCE to shallow soil at this location are restricted to a small volume of soil near the previous boring B5 locations, and is very limited in extent. Similarly, impacts of PAHs exceeding CFSLs are likely limited to two (2) locations, based on detections of petroleum hydrocarbons in adjacent borings (DRO and/or RRO is commonly used to screen for the presence of PAHs).

Soil samples taken at depth indicate there are impacts down to potentially 8 feet in the area near B4, the sump in the central portion of the shop. Silver and lead concentrations in deeper soils were detected at the location of the sump in the bathroom off the silvering room (B1). Near this area, soils were impacted down to an approximately depth of 10 feet bgs. Soils near B3 were also impacted to a depth of approximately 6 feet bgs.

Along the western boundary of the building, TPH impacts were detected (B30) that are probably related to the underground heating oil tank recently removed from under the sidewalk to the west. Additionally, petroleum hydrocarbon impacts were also detected in the shallow soils beneath the warehouse at B21.

4.2 Soil Risk Drivers

Tables 2 and 3 provided additional risk-based screening using ODEQ RBDM guidance (see Section 3.3.1) of the constituents of potential concern (COPC) identified in Table 1. Please note that the surface soil / subsurface soil referenced in these tables is different than the shallow/deep soil used in the metal enrichment discussions. In RBDM guidance surface soil is up to 3 feet bgs. For metal enrichment, shallow soil is defined as up to 2 feet bgs.

Tables 2 and 3 use the methodology and site-specific RBCs presented in the 2011 Creekside risk assessment[2], and assumes possible redevelopment of the site.

The risk-screening shows the following risk drivers:

- Surface soil (<3 feet bgs)
    - **Vapor intrusion into a building (urban residential)**: This risk pathway was further investigated by Creekside in 2011 through the collection of sub-slab vapor samples, which demonstrated that GRO and PCE was not present at concentrations exceeding their RBCs for residential receptors.
    - **Soil ingestion, dermal contact and inhalation of soil particles (urban residential, occupational, future construction worker and excavation worker):** Concentrations of arsenic, lead, silver and DRO present a potential risk via dermal contact, soil ingestion and inhalation if impacted soil is contacted by a receptor. This risk could be managed using a cap that would effectively limit contact with impacted soil, combined with a soil management plan to ensure proper handling and management of impacted soil. Alternatively, impacted soil could be removed from the site and properly disposed.
- Subsurface soil (>3 feet bgs)
    - **Vapor intrusion into a building (urban residential)**: This risk pathway was further investigated by Creekside in 2011 through the collection of sub-slab vapor

samples, which demonstrated that GRO was not present at concentrations exceeding its RBC for residential receptors.

- **Soil ingestion, dermal contact and inhalation of soil particles (excavation worker):** Concentrations of total lead present a potential risk via dermal contact, soil ingestion and inhalation if impacted soil is contacted by a future excavation worker. This risk could be managed using a soil management plan to ensure property handling and management of impacted soil. Alternatively, impacted soil could be removed from the site and property disposed.

5.0 ESTIMATE OF METAL-ENRICHED SOIL VOLUMES

Shallow soil characterization was conducted to better understand the amount and areas of metal-enriched soil that would require management during any future site redevelopment. Figures 3 and 4 provide visual estimates of the aerial extent of metal-enrichment in shallow (upper 2 feet) and deep (below 2 feet bgs) soils, respectively.

The following estimates are based upon the analytical results from data collected to date, including the sampling locations and depths, and the assumption that all metal-enriched soils are excavated. Actual site grading and excavation plans may not require removal of all material included in these volume estimates.

Shallow Soils. Using the shaded areas on Figure 3 to estimate volume, approximately 685 cubic yards of metal-enriched soil requires management. This assumes 9,247.5 square feet of area and a depth of 2 feet. Soil density usually ranges from 1.3 to 1.5 tons per cubic yard. Using the conservative value of 1.5 tons (x 685 cubic yards), approximately 1,026 tons of shallow, metal-enriched soil will require management:

- All of these shallow soils are estimated to exceed clean fill screening criteria and/or RBCs and at a minimum will require disposal at a permitted Subtitle D Landfill.
- Base on the high lead and silver concentrations in some of the samples, there is the potential the soils may be categorized as hazardous, requiring disposal at a Subtitle C Landfill. A general estimate of approximately 80 cubic yards or 120 tons of hazardous shallow soils is provided. However a more accurate estimation can be made if some of the soil samples with high lead and/or silver concentrations are analyzed using the toxic characteristic leaching procedure (TCLP).

Deep Soils. A select number of samples were collected in soils below 2 feet bgs. Based on the data, an effort was made to conservatively estimate the volume of soil impacts below 2 feet bgs. If all these soils were to be excavated, it is estimated that excavation would extend laterally across the shaded areas in Figure 4, extending to 6 feet bgs around B3 and B30, approximately 8 feet bgs around B2 and B4 and approximately 10 feet bgs at B32 and B1. This volume is approximately 690 cubic yards or 1,035 tons of soil (using the conservative soil density of 1.5 tons per cubic yard).

6.0 CONCLUSIONS AND RECOMMENDATIONS

The shallow soil characterization was conducted to assist with characterizing metal-enriched shallow soil at the site for extant and concentrations to assist decision making regarding potential site redevelopment and options for managing impacted and/or enriched soil. As described in the last section, in areas of grading or excavation metal-enriched soil (and in some cases soil impacted with other constituents), would require management according to State of Oregon regulations. Regardless of whether the subject site is redeveloped, impacted and enriched soils require property handing and management.

Based on the findings of this investigation, along with previous investigations completed by Creekside, we recommend:

- Regardless of whether the site is redeveloped or not:
    - Preparation of a Soil Management Plan with Health and Safety Plan. This plan will outline soil management, disposal, and sampling requirements for the site as required by the State of Oregon.
    - Preparation of a Soil Cap Management Plan. This plan will outline soil cap management, inspection, and maintenance requirements for the site as required by the State of Oregon to prevent unacceptable exposures to impacted/enriched soil.
    - Decommissioning of the underground injection devices through the State's UIC Program to ensure further impacts and/or exacerbation of existing impacts do not occur.
    - As an option, this process could be reviewed by ODEQ, through their Independent Cleanup Program.
- Should plans for site redevelopment proceed:
    - Involving Creekside in the planning process to minimize the extent of soil requiring management.
    - Preparation of a pre-development Soil Management Plan with Health and Safety Plan. This plan will outline soil management, disposal, and sampling requirements for the site as required by the State of Oregon.
    - Once soil removal is complete, preparation of a Soil Removal Report. A post-development Soil Management Plan may be required, depending on residual concentrations of COCs following soil removal.
    - As an option, this removal process could be reviewed by ODEQ, through their Independent Cleanup Program.

7.0 LIMITATIONS

The conclusions of this report are based on information supplied by others as well as interpretations by qualified parties. The focus of this Assessment does not extend to the presence of the following conditions unless they were the express concerns of contacted personnel, report and literature authors or the work scope:

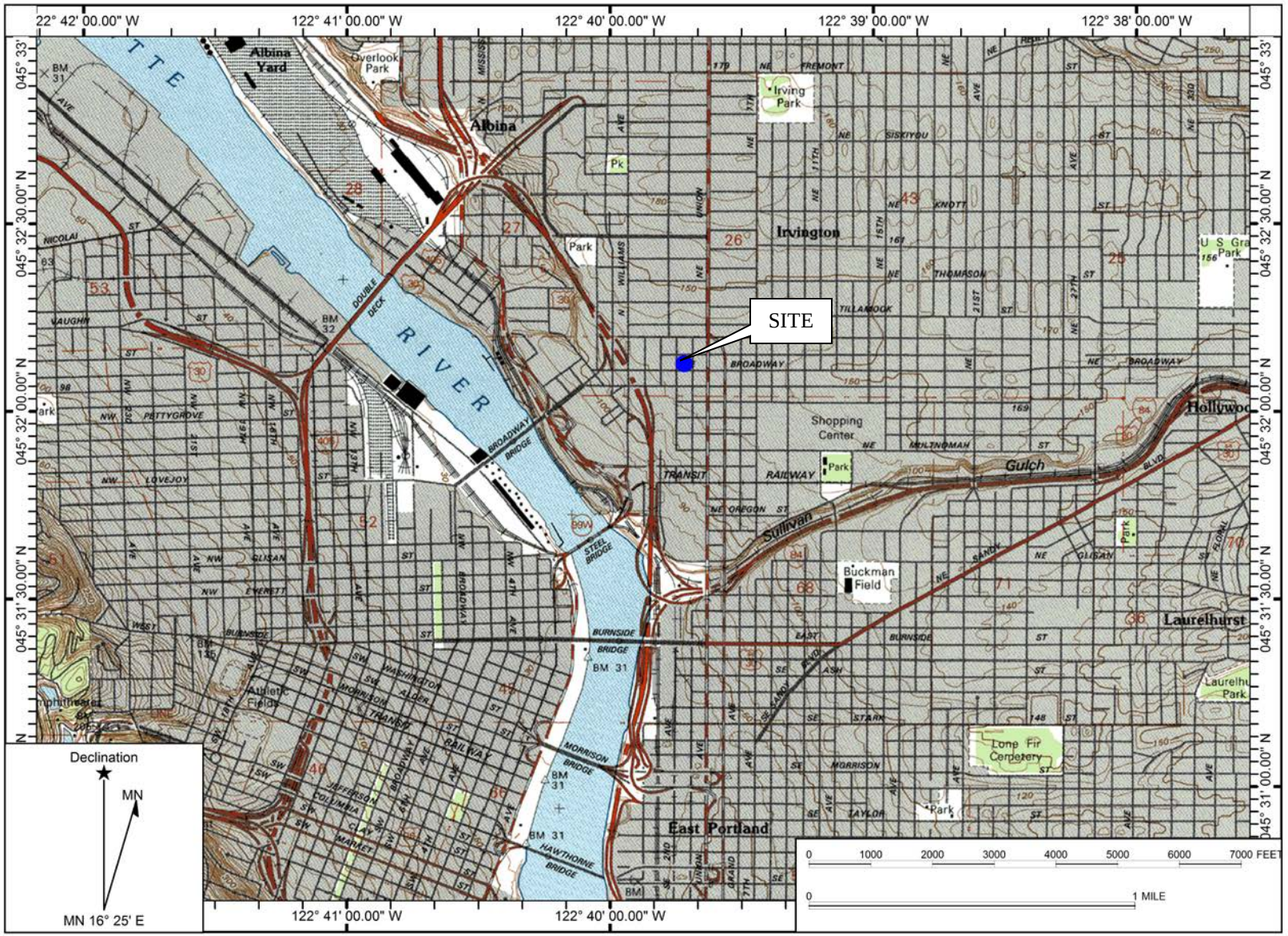
1. Naturally occurring toxic or hazardous substances in subsurface soils, geology and water,
2. Toxicity of substances common in current habitable environments, such as stored chemicals, products, building materials and consumables,
3. Contaminants or contaminant concentrations that are not a concern now but may be under future regulatory standards,
4. Unpredictable events that may occur after Creekside's and ENW's site visit, such as illegal dumping or accidental spillage.

There is no practice that is thorough enough to absolutely identify the presence of all hazardous substances that may be present at a given site. Creekside's and ENW's site investigation has been focused only on the potential for contamination that was specifically identified in the scope of work (SOW). Therefore, if contamination other than that specifically mentioned is present and not identified as part of a limited SOW, Creekside's and ENW's site environmental investigation shall not be construed as a guaranteed absence of such materials.

We have performed our services for this project in accordance with our agreement and understanding with the client. This document and the information contained herein have been prepared solely for the use of the client and his representatives.

Creekside and ENW site performed this study under a limited scope of services per our agreement. It is possible, despite the use of reasonable care and interpretation, that Creekside and ENW site may have failed to identify regulation violations related to the presence of hazardous substances other than those specifically mentioned at the closure site. Creekside and ENW assumed no responsibility for conditions that we did not specifically evaluate or conditions that were not generally recognized as environmentally unacceptable at the time this report was prepared.

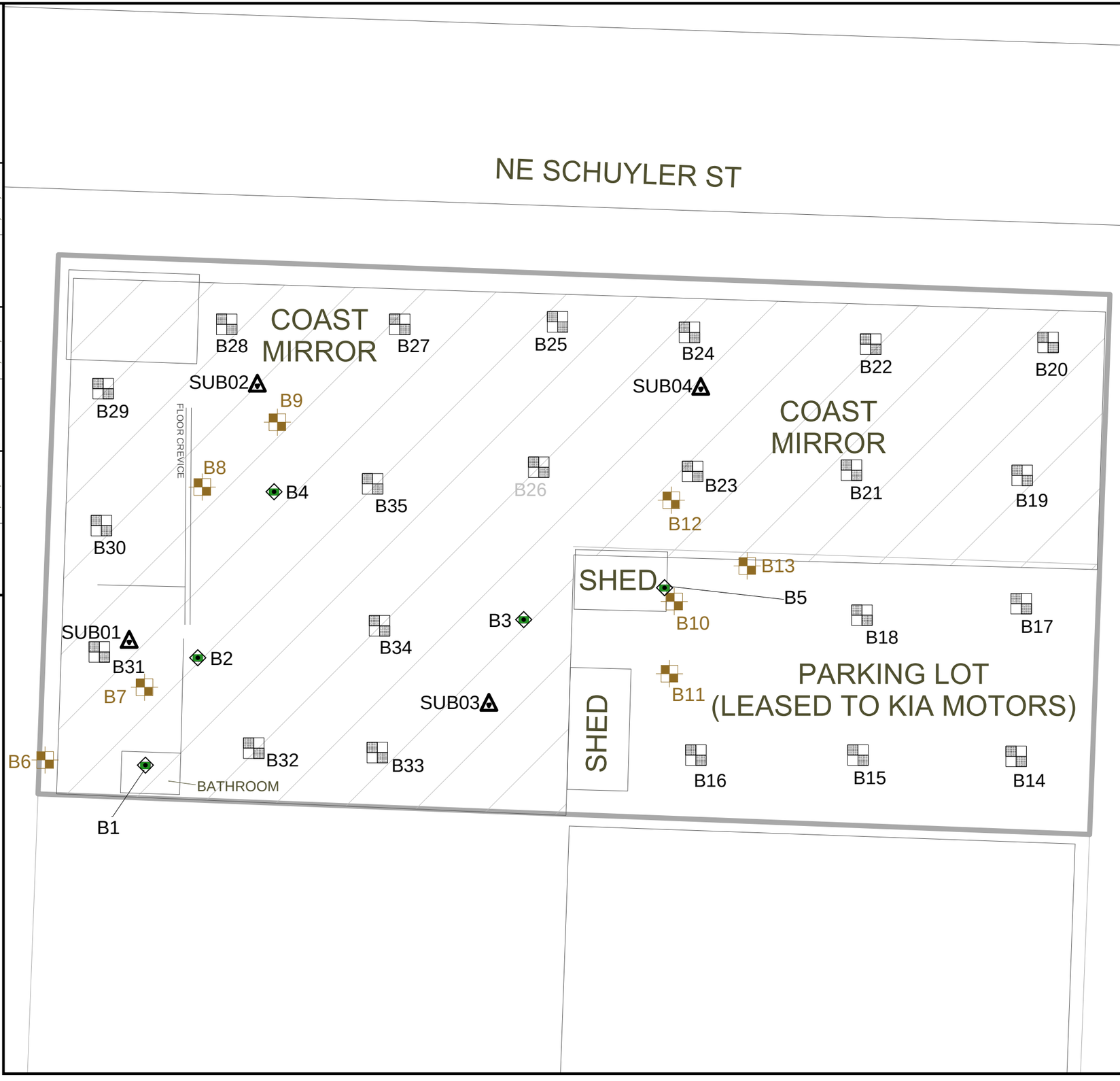
FIGURES



Source: USGS Topographic Map, 7.5-Minute Portland, OR Quadrangle, 1990

Creekside Environmental Consulting, LLC	Date Drawn: 8/13/2015 CAD File Name: 351-10010-02svmap.doc Drawn By: LDG Approved By: NMW	**Coast Mirror** 1727 NE 2nd Avenue Portland, Oregon	**Site Vicinity Map**	Project No. 351-10010 Figure No. **1**

DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
J.BIGELOW 07/22/2015	L.GREEN 07/22/2015	B.JORGENSEN 07/22/2015	351-10010(v01)



LEGEND:

- APPROXIMATE SUBJECT PROPERTY BOUNDARIES
- APPROXIMATE SUBJECT BUILDING
- APPROXIMATE BUILDING LOCATIONS
- B1 ENW TEMPORARY BOREHOLE LOCATION (7/13/2011)
- B6 ENW TEMPORARY BOREHOLE LOCATION (08/31/2011)
- B14 ENW TEMPORARY BOREHOLE LOCATION (07/16/2015)

NOTES:

1. BASE MAP DEVELOPED FROM AN AERIAL MAP DATED 2009 AND SUPPLIED TAX LOT MAPS AND CREEKSIDE FIELD NOTES.

N

APPROXIMATE SCALE

0 20 40 FEET

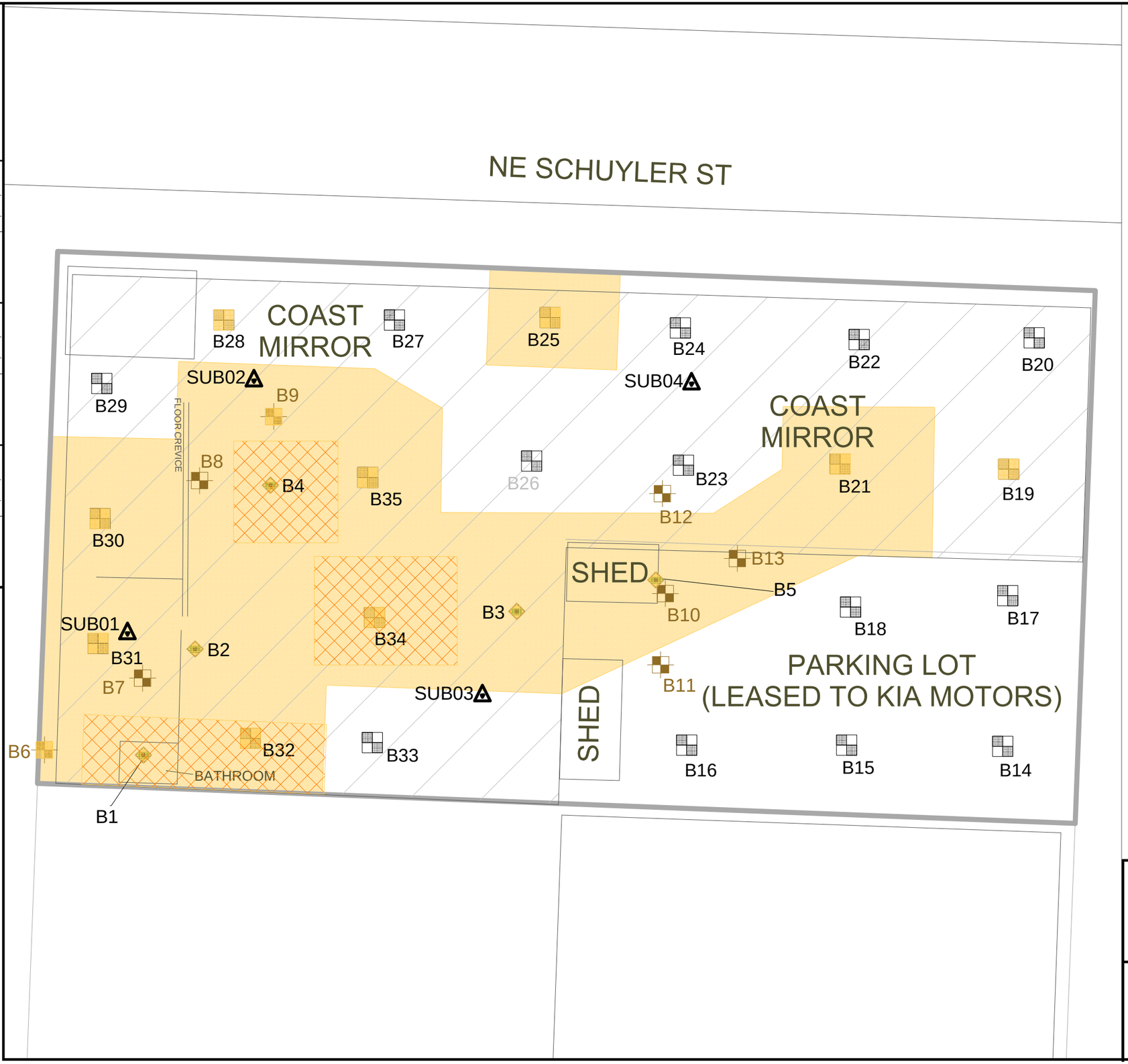
CREEKSIDE ENVIRONMENTAL CONSULTING, LLC
21790 SW CHEHALIS COURT
TUALATIN, OREGON 97062
(503)692-8118

FIGURE 2

SAMPLE LOCATION DIAGRAM

COAST MIRROR
1732 NE 2ND AVENUE
PORTLAND, OREGON

DRAWING NUMBER 351-10010(v01)
APPROVED BY B.JORGENSEN 08/13/2015
CHECKED BY L.GREEN 08/12/2015
DRAWN BY J.BIGELOW 07/22/2015



LEGEND:

- APPROXIMATE SUBJECT PROPERTY BOUNDARIES
- APPROXIMATE SUBJECT BUILDING
- APPROXIMATE BUILDING LOCATIONS
- B1 ENW TEMPORARY BOREHOLE LOCATION (7/13/2011)
- B6 ENW TEMPORARY BOREHOLE LOCATION (08/31/2011)
- B14 ENW TEMPORARY BOREHOLE LOCATION (07/16/2015)
- ORANGE HIGHLIGHT INDICATES SAMPLE LOCATION WITH EITHER CHEMICAL IMPACTS AND/OR METAL ENRICHMENT
- ESTIMATED EXTENT OF SHALLOW IMPACTED AND/OR METAL-ENRICHED SOIL
- AREA WHERE SOIL, IF EXHUMED, MAY BE CHARACTERISTIC OF HAZARDOUS WASTE

NOTES:

1. BASE MAP DEVELOPED FROM AN AERIAL MAP DATED 2009 AND SUPPLIED TAX LOT MAPS AND CREEKSIDE FIELD NOTES.

N

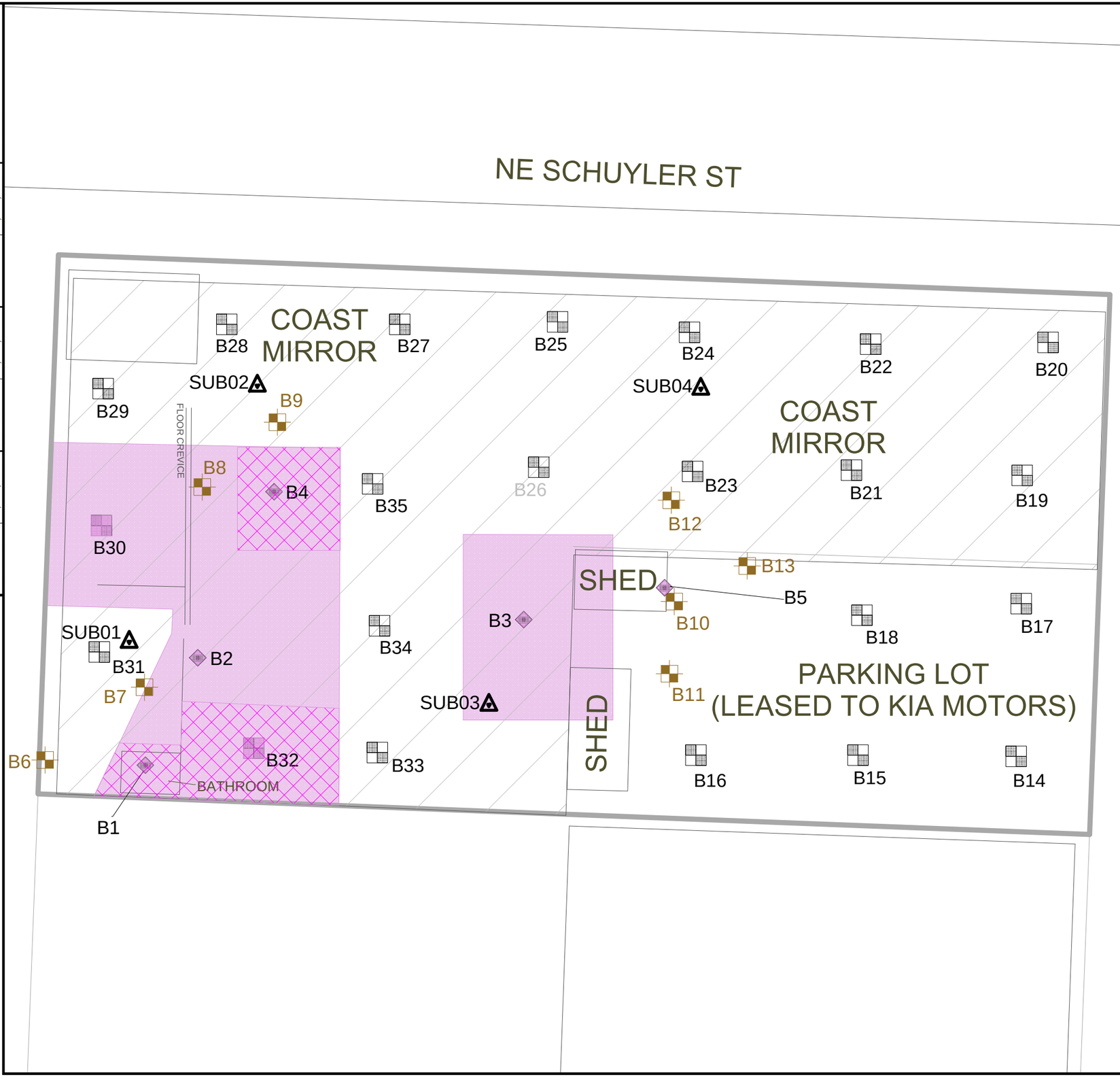
APPROXIMATE SCALE

0 20 40 FEET

CREEKSIDE ENVIRONMENTAL CONSULTING, LLC
21790 SW CHEHALIS COURT
TUALATIN, OREGON 97062
(503)692-8118

FIGURE 3
SHALLOW SOIL IMPACTS/METAL ENRICHED SOIL (<2 FEET BGS)
COAST MIRROR
1732 NE 2ND AVENUE
PORTLAND, OREGON

DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
J.BIGELOW 07/22/2015	L.GREEN 07/22/2015	B.JORGENSEN 07/22/2015	351-10010(v01)



LEGEND:

- APPROXIMATE SUBJECT PROPERTY BOUNDARIES
- APPROXIMATE SUBJECT BUILDING
- APPROXIMATE BUILDING LOCATIONS
- B1 ENW TEMPORARY BOREHOLE LOCATION (7/13/2011)
- B6 ENW TEMPORARY BOREHOLE LOCATION (08/31/2011)
- B14 ENW TEMPORARY BOREHOLE LOCATION (07/16/2015)
- PURPLE HIGHLIGHT INDICATES SAMPLE LOCATION WITH EITHER CHEMICAL IMPACTS AND/OR METAL ENRICHMENT
- ESTIMATED EXTENT OF DEEPER IMPACTED AND/OR METAL-ENRICHED SOIL
- AREA WHERE DEEPER SOIL, IF EXHUMED, MAY BE CHARACTERISTIC OF HAZARDOUS WASTE

NOTES:

1. BASE MAP DEVELOPED FROM AN AERIAL MAP DATED 2009 AND SUPPLIED TAX LOT MAPS AND CREEKSIDE FIELD NOTES.

N

APPROXIMATE SCALE

0 20 40 FEET

CREEKSIDE ENVIRONMENTAL CONSULTING, LLC
21790 SW CHEHALIS COURT
TUALATIN, OREGON 97062
(503)692-8118

FIGURE 4

DEEPER SOIL IMPACTS/METAL ENRICHED SOIL (>2 FEET BGS)

COAST MIRROR
1732 NE 2ND AVENUE
PORTLAND, OREGON

TABLES

Table 1 - Summary of Analytical Data, Soil

Sample ID		B1-1	B1-3	B1-5	B1-10	B2-4	B2-6	B3-4	B3-6
Date Sampled		7/13/11	7/13/11	8/31/11	8/31/11	7/13/11	7/13/11	7/13/11	7/13/11
Depth Sampled (feet)		1	3	5	10	4	6	4	6
Sampled By		Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW
Location		Sump in bathroom of silvering room				Constructed sump in SW portion of building		Constructed sump in central portion of building	
Constituent of Interest	Note	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)
Volatile Organic Constituents									
Benzene	c, v	<0.03 (ND)	<0.03 (ND)	---	---	<0.03 (ND)	<0.03 (ND)	<0.03 (ND)	<0.03 (ND)
Bromodichloromethane	c, v	<0.05 (ND)	<0.05 (ND)	---	---	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)
Bromoform	c, nv	<0.05 (ND)	<0.05 (ND)	---	---	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)
Bromomethane	nc, v	<0.5 (ND)	<0.5 (ND)	---	---	<0.5 (ND)	<0.5 (ND)	<0.5 (ND)	<0.5 (ND)
Carbon tetrachloride	c, v	<0.05 (ND)	<0.05 (ND)	---	---	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)
Chlorobenzene	nc, v	<0.05 (ND)	<0.05 (ND)	---	---	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)
Chlorodibromomethane	c, nv	<0.05 (ND)	<0.05 (ND)	---	---	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)
Chloroethane	nc, v	<0.5 (ND) ca	<0.5 (ND) ca	---	---	<0.5 (ND) ca	<0.5 (ND) ca	<0.5 (ND) ca	<0.5 (ND) ca
Chloroform	c, v	<0.05 (ND)	<0.05 (ND)	---	---	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)
Chloromethane	nc, v	<0.5 (ND)	<0.5 (ND)	---	---	<0.5 (ND)	<0.5 (ND)	<0.5 (ND)	<0.5 (ND)
Dichlorobenzene, 1,2-	nc, v	<0.05 (ND)	<0.05 (ND)	---	---	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)
Dichlorobenzene, 1,4-	c, v	<0.05 (ND)	<0.05 (ND)	---	---	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)
Dichloroethane, 1,1-	c, v	<0.05 (ND)	<0.05 (ND)	---	---	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)
Dichloroethene, 1,1-	nc, v	<0.05 (ND)	<0.05 (ND)	---	---	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)
Dichloroethene, cis-1,2-	nc, v	<0.05 (ND)	<0.05 (ND)	---	---	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)
Dichloroethene, trans-1,2-	nc, v	<0.05 (ND)	<0.05 (ND)	---	---	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)
Dichloromethane	c, v	<0.05 (ND)	<0.05 (ND)	---	---	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)
EDB (1,2-dibromoethane)	c, v	<0.05 (ND)	<0.05 (ND)	---	---	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)
EDC (1,2-dichloroethane)	c, v	<0.05 (ND)	<0.05 (ND)	---	---	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)
Ethylbenzene	c, v	<0.05 (ND)	<0.05 (ND)	---	---	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)
MTBE (methyl t-butyl ether)	c, v	<0.05 (ND)	<0.05 (ND)	---	---	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)
Naphthalene	c, v	<0.05 (ND)	<0.05 (ND)	---	---	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)
Propylbenzene, iso	nc, v	<0.05 (ND)	<0.05 (ND)	---	---	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)
Tetrachloroethene (PCE)	c, v	<0.025 (ND)	<0.025 (ND)	---	---	<0.025 (ND)	<0.025 (ND)	<0.025 (ND)	<0.025 (ND)
Toluene	nc, v	<0.05 (ND)	<0.05 (ND)	---	---	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)
Trichloroethane, 1,1,1-	nc, v	<0.05 (ND)	<0.05 (ND)	---	---	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)
Trichloroethane, 1,1,2- Ψ	c, v	<0.05 (ND)	<0.05 (ND)	---	---	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)
Trichloroethene	c, v	<0.03 (ND)	<0.03 (ND)	---	---	<0.03 (ND)	<0.03 (ND)	<0.03 (ND)	<0.03 (ND)
Trichlorofluoromethane (Freon 11)	nc, v	<0.5 (ND)	<0.5 (ND)	---	---	<0.5 (ND)	<0.5 (ND)	<0.5 (ND)	<0.5 (ND)
Trimethylbenzene, 1,2,4-	nc, v	<0.05 (ND)	<0.05 (ND)	---	---	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)
Trimethylbenzene, 1,3,5-	nc, v	<0.05 (ND)	<0.05 (ND)	---	---	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)
Vinyl chloride	c, v	<0.05 (ND)	<0.05 (ND)	---	---	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)
Xylenes	nc, v	<1 (ND)	<1 (ND)	---	---	<1 (ND)	<1 (ND)	<1 (ND)	<1 (ND)

Table 1 - Summary of Analytical Data, Soil

Sample ID		B1-1	B1-3	B1-5	B1-10	B2-4	B2-6	B3-4	B3-6
Date Sampled		7/13/11	7/13/11	8/31/11	8/31/11	7/13/11	7/13/11	7/13/11	7/13/11
Depth Sampled (feet)		1	3	5	10	4	6	4	6
Sampled By		Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW
Location		Sump in bathroom of silvering room				Constructed sump in SW portion of building		Constructed sump in central portion of building	
Constituent of Interest	Note	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)
Metals									
Arsenic	c, nv	**11.8**	5.81	6.1	6.75	2.97	3.79	4.07	4.94
Lead	NA, nv	**7520**	**405**	**31.3**	13.2	5.82	7.3	8.53	9.66
Silver	nc, nv	**827**	295	24.8	1.09	1.5	1.46	3.93	<1 (ND)
Semivolatile Organic Constituents									
Polychlorinated biphenyls (PCBs) Ψ	c, nv	---	---	---	---	---	---	---	---
Polycyclic Aromatic Hydrocarbons									
Acenaphthene	nc, v	---	1.9	---	---	---	---	---	---
Anthracene	nc, v	---	<0.05 (ND)	---	---	---	---	---	---
Benz[a]anthracene	c, nv	---	0.053	---	---	---	---	---	---
Benzo[a]pyrene	c, nv	---	<0.05 (ND)	---	---	---	---	---	---
Benzo[b]fluoranthene	c, nv	---	<0.05 (ND)	---	---	---	---	---	---
Benzo[k]fluoranthene	c, nv	---	<0.05 (ND)	---	---	---	---	---	---
Chrysene	c, nv	---	0.099	---	---	---	---	---	---
Dibenz[a,h]anthracene	c, nv	---	<0.05 (ND)	---	---	---	---	---	---
Fluoranthene	nc, nv	---	0.29	---	---	---	---	---	---
Fluorene	nc, v	---	8.2	---	---	---	---	---	---
Indeno[1,2,3-cd]pyrene	c, nv	---	<0.05 (ND)	---	---	---	---	---	---
Pyrene	nc, nv	---	0.97	---	---	---	---	---	---

Table 1 - Summary of Analytical Data, Soil

Sample ID		B1-1	B1-3	B1-5	B1-10	B2-4	B2-6	B3-4	B3-6
Date Sampled		7/13/11	7/13/11	8/31/11	8/31/11	7/13/11	7/13/11	7/13/11	7/13/11
Depth Sampled (feet)		1	3	5	10	4	6	4	6
Sampled By		Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW
Location		Sump in bathroom of silvering room				Constructed sump in SW portion of building		Constructed sump in central portion of building	
Constituent of Interest	Note	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)
Total Petroleum Hydrocarbons									
GRO	nc, nv	<20 (NP)	<20 (NP)	---	---	<20 (NP)	<20 (NP)	<20 (NP)	<20 (NP)
DRO	nc, nv	<50 (NP)	<50 (NP)	---	---	<50 (NP)	<50 (NP)	<50 (NP)	<50 (NP)
RRO	nc, nv	<250 (NP)	<250 (NP)	---	---	<250 (NP)	<250 (NP)	<250 (NP)	<250 (NP)

Notes:

mg/Kg = milligram per kilogram or parts per million (ppm).

<# (ND) = not detected at or above the laboratory method reporting limit shown.

NE = not established.

NP = not present at or above the laboratory method reporting limit shown (HCID analysis).

— = not analyzed or not applicable.

c = carcinogenic

nc = noncarcinogenic

v = volatile

nv = nonvolatile

GRO = gasoline-range organics.

DRO = diesel-range organics.

RRO = residual-range organics.

Bolded concentrations exceedscreening level risk-based concentrations and background concentrations, as applicable.

[1] Lowest Risk-Based Concentration for soil (screening level).

(Y) indicates analyte not detected, but detection limit is above screening concentration.

J = estimated result due to matrix interference.

Soil Concentration indicative of possible enrichment

Table 1 - Summary of Analytical Data, Soil

Sample ID		B4-3.5	B4-5	B4-5.5	B4-10	B5-0.5	B5-2	B6-2	B6-5	B6-10
Date Sampled		7/13/11	8/31/11	7/13/11	8/31/11	7/13/11	7/13/11	8/31/11	8/31/11	8/31/11
Depth Sampled (feet)		3.5	5	5.5	10	0.5	2	2	5	10
Sampled By		Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW
Location		Hand made sump in central portion of building				Sand blasting shed		West of B1, in silvering room		
Constituent of Interest	Note	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)
Volatile Organic Constituents										
Benzene	c, v	<0.03 (ND)	---	<0.03 (ND)	---	<0.03 (ND)	<0.03 (ND)	---	---	---
Bromodichloromethane	c, v	<0.05 (ND)	---	<0.05 (ND)	---	<0.05 (ND)	<0.05 (ND)	---	---	---
Bromoform	c, nv	<0.05 (ND)	---	<0.05 (ND)	---	<0.05 (ND)	<0.05 (ND)	---	---	---
Bromomethane	nc, v	<0.5 (ND)	---	<0.5 (ND)	---	<0.5 (ND)	<0.5 (ND)	---	---	---
Carbon tetrachloride	c, v	<0.05 (ND)	---	<0.05 (ND)	---	<0.05 (ND)	<0.05 (ND)	---	---	---
Chlorobenzene	nc, v	<0.05 (ND)	---	<0.05 (ND)	---	<0.05 (ND)	<0.05 (ND)	---	---	---
Chlorodibromomethane	c, nv	<0.05 (ND)	---	<0.05 (ND)	---	<0.05 (ND)	<0.05 (ND)	---	---	---
Chloroethane	nc, v	<0.5 (ND) ca	---	<0.5 (ND) ca	---	<0.5 (ND) ca	<0.5 (ND) ca	---	---	---
Chloroform	c, v	<0.05 (ND)	---	<0.05 (ND)	---	<0.05 (ND)	<0.05 (ND)	---	---	---
Chloromethane	nc, v	<0.5 (ND)	---	<0.5 (ND)	---	<0.5 (ND)	<0.5 (ND)	---	---	---
Dichlorobenzene, 1,2-	nc, v	<0.05 (ND)	---	<0.05 (ND)	---	<0.05 (ND)	<0.05 (ND)	---	---	---
Dichlorobenzene, 1,4-	c, v	<0.05 (ND)	---	<0.05 (ND)	---	<0.05 (ND)	<0.05 (ND)	---	---	---
Dichloroethane, 1,1-	c, v	<0.05 (ND)	---	<0.05 (ND)	---	<0.05 (ND)	<0.05 (ND)	---	---	---
Dichloroethene, 1,1-	nc, v	<0.05 (ND)	---	<0.05 (ND)	---	<0.05 (ND)	<0.05 (ND)	---	---	---
Dichloroethene, cis-1,2-	nc, v	<0.05 (ND)	---	<0.05 (ND)	---	<0.05 (ND)	<0.05 (ND)	---	---	---
Dichloroethene, trans-1,2-	nc, v	<0.05 (ND)	---	<0.05 (ND)	---	<0.05 (ND)	<0.05 (ND)	---	---	---
Dichloromethane	c, v	<0.05 (ND)	---	<0.05 (ND)	---	<0.05 (ND)	<0.05 (ND)	---	---	---
EDB (1,2-dibromoethane)	c, v	<0.05 (ND)	---	<0.05 (ND)	---	<0.05 (ND)	<0.05 (ND)	---	---	---
EDC (1,2-dichloroethane)	c, v	<0.05 (ND)	---	<0.05 (ND)	---	<0.05 (ND)	<0.05 (ND)	---	---	---
Ethylbenzene	c, v	<0.05 (ND)	---	<0.05 (ND)	---	<0.05 (ND)	<0.05 (ND)	---	---	---
MTBE (methyl t-butyl ether)	c, v	<0.05 (ND)	---	<0.05 (ND)	---	<0.05 (ND)	<0.05 (ND)	---	---	---
Naphthalene	c, v	<0.05 (ND)	---	<0.05 (ND)	---	<0.05 (ND)	<0.05 (ND)	---	---	---
Propylbenzene, iso	nc, v	<0.05 (ND)	---	<0.05 (ND)	---	<0.05 (ND)	<0.05 (ND)	---	---	---
Tetrachloroethene (PCE)	c, v	<0.025 (ND)	---	<0.025 (ND)	---	**0.026**	**0.028**	---	---	---
Toluene	nc, v	<0.05 (ND)	---	<0.05 (ND)	---	<0.05 (ND)	<0.05 (ND)	---	---	---
Trichloroethane, 1,1,1-	nc, v	<0.05 (ND)	---	<0.05 (ND)	---	<0.05 (ND)	<0.05 (ND)	---	---	---
Trichloroethane, 1,1,2- Ψ	c, v	<0.05 (ND)	---	<0.05 (ND)	---	<0.05 (ND)	<0.05 (ND)	---	---	---
Trichloroethene	c, v	<0.03 (ND)	---	<0.03 (ND)	---	<0.03 (ND)	<0.03 (ND)	---	---	---
Trichlorofluoromethane (Freon 11)	nc, v	<0.5 (ND)	---	<0.5 (ND)	---	<0.5 (ND)	<0.5 (ND)	---	---	---
Trimethylbenzene, 1,2,4-	nc, v	<0.05 (ND)	---	<0.05 (ND)	---	<0.05 (ND)	<0.05 (ND)	---	---	---
Trimethylbenzene, 1,3,5-	nc, v	<0.05 (ND)	---	<0.05 (ND)	---	<0.05 (ND)	<0.05 (ND)	---	---	---
Vinyl chloride	c, v	<0.05 (ND)	---	<0.05 (ND)	---	<0.05 (ND)	<0.05 (ND)	---	---	---
Xylenes	nc, v	<1 (ND)	---	<1 (ND)	---	<1 (ND)	<1 (ND)	---	---	---

Table 1 - Summary of Analytical Data, Soil

Sample ID		B4-3.5	B4-5	B4-5.5	B4-10	B5-0.5	B5-2	B6-2	B6-5	B6-10
Date Sampled		7/13/11	8/31/11	7/13/11	8/31/11	7/13/11	7/13/11	8/31/11	8/31/11	8/31/11
Depth Sampled (feet)		3.5	5	5.5	10	0.5	2	2	5	10
Sampled By		Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW
Location		Hand made sump in central portion of building				Sand blasting shed		West of B1, in silvering room		
Constituent of Interest	Note	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)
Metals										
Arsenic	c, nv	**15**	5.3	**45.6**	**7.56**	**7.73**	5.07	**25.9**	6.08	4.27
Lead	NA, nv	**1630**	11.1	**1220**	12.3	**233**	28	**76.5**	10.8	7.77
Silver	nc, nv	256	<1 (ND)	288	<1 (ND)	1.4	<1 (ND)	5.21	<1 (ND)	<1 (ND)
Semivolatile Organic Constituents										
Polychlorinated biphenyls (PCBs) Ψ	c, nv	---	---	<0.1 (ND)	---	---	---	---	---	---
Polycyclic Aromatic Hydrocarbons										
Acenaphthene	nc, v	---	---	---	---	---	---	---	---	---
Anthracene	nc, v	---	---	---	---	---	---	---	---	---
Benz[a]anthracene	c, nv	---	---	---	---	---	---	---	---	---
Benzo[a]pyrene	c, nv	---	---	---	---	---	---	---	---	---
Benzo[b]fluoranthene	c, nv	---	---	---	---	---	---	---	---	---
Benzo[k]fluoranthene	c, nv	---	---	---	---	---	---	---	---	---
Chrysene	c, nv	---	---	---	---	---	---	---	---	---
Dibenz[a,h]anthracene	c, nv	---	---	---	---	---	---	---	---	---
Fluoranthene	nc, nv	---	---	---	---	---	---	---	---	---
Fluorene	nc, v	---	---	---	---	---	---	---	---	---
Indeno[1,2,3-cd]pyrene	c, nv	---	---	---	---	---	---	---	---	---
Pyrene	nc, nv	---	---	---	---	---	---	---	---	---

Table 1 - Summary of Analytical Data, Soil

Sample ID		B4-3.5	B4-5	B4-5.5	B4-10	B5-0.5	B5-2	B6-2	B6-5	B6-10
Date Sampled		7/13/11	8/31/11	7/13/11	8/31/11	7/13/11	7/13/11	8/31/11	8/31/11	8/31/11
Depth Sampled (feet)		3.5	5	5.5	10	0.5	2	2	5	10
Sampled By		Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW
Location		Hand made sump in central portion of building				Sand blasting shed		West of B1, in silvering room		
Constituent of Interest	Note	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)
Total Petroleum Hydrocarbons										
GRO	nc, nv	<20 (NP)	---	<20 (NP)	---	<20 (NP)	<20 (NP)	---	---	---
DRO	nc, nv	<50 (NP)	---	<50 (NP)	---	<50 (NP)	<50 (NP)	---	---	---
RRO	nc, nv	<250 (NP)	---	<250 (NP)	---	<250 (NP)	<250 (NP)	---	---	---

Notes:

mg/Kg = milligram per kilogram or parts per million (ppm).

<# (ND) = not detected at or above the laboratory method reporting limit shown.

NE = not established.

NP = not present at or above the laboratory method reporting limit shown (HCID analysis).

— = not analyzed or not applicable.

c = carcinogenic

nc = noncarcinogenic

v = volatile

nv = nonvolatile

GRO = gasoline-range organics.

DRO = diesel-range organics.

RRO = residual-range organics.

Bolded concentrations exceedscreening level risk-based concentrations and background concentrations, as applicable.

[1] Lowest Risk-Based Concentration for soil (screening level).

(Y) indicates analyte not detected, but detection limit is above screening concentration.

J = estimated result due to matrix interference.

Soil Concentration indicative of possible enrichment

Table 1 - Summary of Analytical Data, Soil

Sample ID		B7-2	B7-5	B7-10	B8-2	B8-5	B8-10	B9-2	B9-5	B9-10	B10-5	B10-10
Date Sampled		8/31/11	8/31/11	8/31/11	8/31/11	8/31/11	8/31/11	8/31/11	8/31/11	8/31/11	8/31/11	8/31/11
Depth Sampled (feet)		2	5	10	2	5	10	2	5	10	5	10
Sampled By		Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW
Location		North of B1 in silvering room			West of B4 , in central portion of building			North of B4, in central portion of building			Southeast of B5, outside sandblasting shed	
Constituent of Interest	Note	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)
Volatile Organic Constituents												
Benzene	c, v	---	---	---	---	---	---	---	---	---	<0.03 (ND)	<0.03 (ND)
Bromodichloromethane	c, v	---	---	---	---	---	---	---	---	---	<0.05 (ND)	<0.05 (ND)
Bromoform	c, nv	---	---	---	---	---	---	---	---	---	<0.05 (ND)	<0.05 (ND)
Bromomethane	nc, v	---	---	---	---	---	---	---	---	---	<0.5 (ND)	<0.5 (ND)
Carbon tetrachloride	c, v	---	---	---	---	---	---	---	---	---	<0.05 (ND)	<0.05 (ND)
Chlorobenzene	nc, v	---	---	---	---	---	---	---	---	---	<0.05 (ND)	<0.05 (ND)
Chlorodibromomethane	c, nv	---	---	---	---	---	---	---	---	---	<0.05 (ND)	<0.05 (ND)
Chloroethane	nc, v	---	---	---	---	---	---	---	---	---	<0.5 (ND)	<0.5 (ND)
Chloroform	c, v	---	---	---	---	---	---	---	---	---	<0.05 (ND)	<0.05 (ND)
Chloromethane	nc, v	---	---	---	---	---	---	---	---	---	<0.5 (ND)	<0.5 (ND)
Dichlorobenzene, 1,2-	nc, v	---	---	---	---	---	---	---	---	---	<0.05 (ND)	<0.05 (ND)
Dichlorobenzene, 1,4-	c, v	---	---	---	---	---	---	---	---	---	<0.05 (ND)	<0.05 (ND)
Dichloroethane, 1,1-	c, v	---	---	---	---	---	---	---	---	---	<0.05 (ND)	<0.05 (ND)
Dichloroethene, 1,1-	nc, v	---	---	---	---	---	---	---	---	---	<0.05 (ND)	<0.05 (ND)
Dichloroethene, cis-1,2-	nc, v	---	---	---	---	---	---	---	---	---	<0.05 (ND)	<0.05 (ND)
Dichloroethene, trans-1,2-	nc, v	---	---	---	---	---	---	---	---	---	<0.05 (ND)	<0.05 (ND)
Dichloromethane	c, v	---	---	---	---	---	---	---	---	---	<0.5 (ND)	<0.5 (ND)
EDB (1,2-dibromoethane)	c, v	---	---	---	---	---	---	---	---	---	<0.05 (ND)	<0.05 (ND)
EDC (1,2-dichloroethane)	c, v	---	---	---	---	---	---	---	---	---	<0.05 (ND)	<0.05 (ND)
Ethylbenzene	c, v	---	---	---	---	---	---	---	---	---	<0.05 (ND)	<0.05 (ND)
MTBE (methyl t-butyl ether)	c, v	---	---	---	---	---	---	---	---	---	<0.05 (ND)	<0.05 (ND)
Naphthalene	c, v	---	---	---	---	---	---	---	---	---	<0.05 (ND)	<0.05 (ND)
Propylbenzene, iso	nc, v	---	---	---	---	---	---	---	---	---	<0.05 (ND)	<0.05 (ND)
Tetrachloroethene (PCE)	c, v	---	---	---	---	---	---	---	---	---	<0.025 (ND)	<0.025 (ND)
Toluene	nc, v	---	---	---	---	---	---	---	---	---	<0.05 (ND)	<0.05 (ND)
Trichloroethane, 1,1,1-	nc, v	---	---	---	---	---	---	---	---	---	<0.05 (ND)	<0.05 (ND)
Trichloroethane, 1,1,2- Ψ	c, v	---	---	---	---	---	---	---	---	---	<0.05 (ND)	<0.05 (ND)
Trichloroethene	c, v	---	---	---	---	---	---	---	---	---	<0.03 (ND)	<0.03 (ND)
Trichlorofluoromethane (Freon 11)	nc, v	---	---	---	---	---	---	---	---	---	<0.5 (ND)	<0.5 (ND)
Trimethylbenzene, 1,2,4-	nc, v	---	---	---	---	---	---	---	---	---	<0.05 (ND)	<0.05 (ND)
Trimethylbenzene, 1,3,5-	nc, v	---	---	---	---	---	---	---	---	---	<0.05 (ND)	<0.05 (ND)
Vinyl chloride	c, v	---	---	---	---	---	---	---	---	---	<0.05 (ND)	<0.05 (ND)
Xylenes	nc, v	---	---	---	---	---	---	---	---	---	<0.05 (ND)	<0.05 (ND)

Table 1 - Summary of Analytical Data, Soil

Sample ID		B7-2	B7-5	B7-10	B8-2	B8-5	B8-10	B9-2	B9-5	B9-10	B10-5	B10-10
Date Sampled		8/31/11	8/31/11	8/31/11	8/31/11	8/31/11	8/31/11	8/31/11	8/31/11	8/31/11	8/31/11	8/31/11
Depth Sampled (feet)		2	5	10	2	5	10	2	5	10	5	10
Sampled By		Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW
Location		North of B1 in silvering room			West of B4 , in central portion of building			North of B4, in central portion of building			Southeast of B5, outside sandblasting shed	
Constituent of Interest	Note	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)
Metals												
Arsenic	c, nv	6.67	4.11	4	5.45	6.06	5.39	**7.16**	**7.18**	5.37	---	---
Lead	NA, nv	12.6	8.32	7.1	11.3	10.9	11.3	**104**	12.5	11.1	---	---
Silver	nc, nv	<1 (ND)	<1 (ND)	<1 (ND)	<1 (ND)	<1 (ND)	<1 (ND)	<1 (ND)	<1 (ND)	<1 (ND)	---	---
Semivolatile Organic Constituents												
Polychlorinated biphenyls (PCBs) Ψ	c, nv	---	---	---	---	---	---	---	---	---	---	---
Polycyclic Aromatic Hydrocarbons												
Acenaphthene	nc, v	---	---	---	---	---	---	---	---	---	---	---
Anthracene	nc, v	---	---	---	---	---	---	---	---	---	---	---
Benz[a]anthracene	c, nv	---	---	---	---	---	---	---	---	---	---	---
Benzo[a]pyrene	c, nv	---	---	---	---	---	---	---	---	---	---	---
Benzo[b]fluoranthene	c, nv	---	---	---	---	---	---	---	---	---	---	---
Benzo[k]fluoranthene	c, nv	---	---	---	---	---	---	---	---	---	---	---
Chrysene	c, nv	---	---	---	---	---	---	---	---	---	---	---
Dibenz[a,h]anthracene	c, nv	---	---	---	---	---	---	---	---	---	---	---
Fluoranthene	nc, nv	---	---	---	---	---	---	---	---	---	---	---
Fluorene	nc, v	---	---	---	---	---	---	---	---	---	---	---
Indeno[1,2,3-cd]pyrene	c, nv	---	---	---	---	---	---	---	---	---	---	---
Pyrene	nc, nv	---	---	---	---	---	---	---	---	---	---	---

Table 1 - Summary of Analytical Data, Soil

Sample ID		B7-2	B7-5	B7-10	B8-2	B8-5	B8-10	B9-2	B9-5	B9-10	B10-5	B10-10
Date Sampled		8/31/11	8/31/11	8/31/11	8/31/11	8/31/11	8/31/11	8/31/11	8/31/11	8/31/11	8/31/11	8/31/11
Depth Sampled (feet)		2	5	10	2	5	10	2	5	10	5	10
Sampled By		Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW
Location		North of B1 in silvering room			West of B4 , in central portion of building			North of B4, in central portion of building			Southeast of B5, outside sandblasting shed	
Constituent of Interest	Note	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)
Total Petroleum Hydrocarbons												
GRO	nc, nv	---	---	---	---	---	---	---	---	---	---	---
DRO	nc, nv	---	---	---	---	---	---	---	---	---	---	---
RRO	nc, nv	---	---	---	---	---	---	---	---	---	---	---

Notes:

mg/Kg = milligram per kilogram or parts per million (ppm).

<# (ND) = not detected at or above the laboratory method reporting limit shown.

NE = not established.

NP = not present at or above the laboratory method reporting limit shown (HCID analysis).

— = not analyzed or not applicable.

c = carcinogenic

nc = noncarcinogenic

v = volatile

nv = nonvolatile

GRO = gasoline-range organics.

DRO = diesel-range organics.

RRO = residual-range organics.

Bolded concentrations exceedscreening level risk-based concentrations and background concentrations, as applicable.

[1] Lowest Risk-Based Concentration for soil (screening level).

(Y) indicates analyte not detected, but detection limit is above screening concentration.

J = estimated result due to matrix interference.

Soil Concentration indicative of possible enrichment

Table 1 - Summary of Analytical Data, Soil

Sample ID		B11-5	B11-10	B12-5	B12-10	B13-5	B13-10	Comp01-110831	B14-1	B15 / 1	B16-2.5	B16-5.5
Date Sampled		8/31/11	8/31/11	8/31/11	8/31/11	8/31/11	8/31/11	8/31/11	7/16/15	7/16/15	7/16/15	7/16/15
Depth Sampled (feet)		5	10	5	10	5	10		1	1	2.5	5.5
Sampled By		Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW
Location		South of B5, outside sandblasting shed		North of B5, outside sandblasting shed		East of B5, outside sandblasting shed		Soil from soil cuttings drum	Outdoors	Outdoors	Outdoors	
Constituent of Interest	Note	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)
Volatile Organic Constituents												
Benzene	c, v	<0.03 (ND)	<0.03 (ND)	<0.03 (ND)	<0.03 (ND)	<0.03 (ND)	<0.03 (ND)	<0.03 (ND)	---	---	---	---
Bromodichloromethane	c, v	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	---	---	---	---
Bromoform	c, nv	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	---	---	---	---
Bromomethane	nc, v	<0.5 (ND)	<0.5 (ND)	<0.5 (ND)	<0.5 (ND)	<0.5 (ND)	<0.5 (ND)	<0.5 (ND)	---	---	---	---
Carbon tetrachloride	c, v	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	---	---	---	---
Chlorobenzene	nc, v	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	---	---	---	---
Chlorodibromomethane	c, nv	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	---	---	---	---
Chloroethane	nc, v	<0.5 (ND)	<0.5 (ND)	<0.5 (ND)	<0.5 (ND)	<0.5 (ND)	<0.5 (ND)	<0.5 (ND)	---	---	---	---
Chloroform	c, v	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	---	---	---	---
Chloromethane	nc, v	<0.5 (ND)	<0.5 (ND)	<0.5 (ND)	<0.5 (ND)	<0.5 (ND)	<0.5 (ND)	<0.5 (ND)	---	---	---	---
Dichlorobenzene, 1,2-	nc, v	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	---	---	---	---
Dichlorobenzene, 1,4-	c, v	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	---	---	---	---
Dichloroethane, 1,1-	c, v	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	---	---	---	---
Dichloroethene, 1,1-	nc, v	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	---	---	---	---
Dichloroethene, cis-1,2-	nc, v	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	---	---	---	---
Dichloroethene, trans-1,2-	nc, v	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	---	---	---	---
Dichloromethane	c, v	<0.5 (ND) ca	<0.5 (ND) ca	<0.5 (ND) ca	<0.5 (ND) ca	<0.5 (ND)	<0.5 (ND)	<0.5 (ND)	---	---	---	---
EDB (1,2-dibromoethane)	c, v	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	---	---	---	---
EDC (1,2-dichloroethane)	c, v	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	---	---	---	---
Ethylbenzene	c, v	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	---	---	---	---
MTBE (methyl t-butyl ether)	c, v	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	---	---	---	---
Naphthalene	c, v	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	---	---	---	---
Propylbenzene, iso	nc, v	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	---	---	---	---
Tetrachloroethene (PCE)	c, v	<0.025 (ND)	<0.025 (ND)	<0.025 (ND)	<0.025 (ND)	<0.025 (ND)	<0.025 (ND)	<0.025 (ND)	---	---	---	---
Toluene	nc, v	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	---	---	---	---
Trichloroethane, 1,1,1-	nc, v	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	---	---	---	---
Trichloroethane, 1,1,2- Ψ	c, v	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	---	---	---	---
Trichloroethene	c, v	<0.03 (ND)	<0.03 (ND)	<0.03 (ND)	<0.03 (ND)	<0.03 (ND)	<0.03 (ND)	<0.03 (ND)	---	---	---	---
Trichlorofluoromethane (Freon 11)	nc, v	<0.5 (ND)	<0.5 (ND)	<0.5 (ND)	<0.5 (ND)	<0.5 (ND)	<0.5 (ND)	<0.5 (ND)	---	---	---	---
Trimethylbenzene, 1,2,4-	nc, v	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	---	---	---	---
Trimethylbenzene, 1,3,5-	nc, v	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	---	---	---	---
Vinyl chloride	c, v	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	---	---	---	---
Xylenes	nc, v	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	<0.05 (ND)	---	---	---	---

Table 1 - Summary of Analytical Data, Soil

Sample ID		B11-5	B11-10	B12-5	B12-10	B13-5	B13-10	Comp01-110831	B14-1	B15 / 1	B16-2.5	B16-5.5
Date Sampled		8/31/11	8/31/11	8/31/11	8/31/11	8/31/11	8/31/11	8/31/11	7/16/15	7/16/15	7/16/15	7/16/15
Depth Sampled (feet)		5	10	5	10	5	10		1	1	2.5	5.5
Sampled By		Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW
Location		South of B5, outside sandblasting shed		North of B5, outside sandblasting shed		East of B5, outside sandblasting shed		Soil from soil cuttings drum	Outdoors	Outdoors	Outdoors	
Constituent of Interest	Note	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)
Metals												
Arsenic	c, nv	---	---	---	---	---	---	5.99	6.15	7.21	4.36	---
Lead	NA, nv	---	---	---	---	---	---	**106**	14.7	15	15.6	---
Silver	nc, nv	---	---	---	---	---	---	4.36	<0.269 (ND)	<0.249 (ND)	0.264	<0.256 (ND)
Semivolatile Organic Constituents												
Polychlorinated biphenyls (PCBs) Ψ	c, nv	---	---	---	---	---	---	---	---	---	---	---
Polycyclic Aromatic Hydrocarbons												
Acenaphthene	nc, v	---	---	---	---	---	---	---	---	---	---	---
Anthracene	nc, v	---	---	---	---	---	---	---	---	---	---	---
Benz[a]anthracene	c, nv	---	---	---	---	---	---	---	---	---	---	---
Benzo[a]pyrene	c, nv	---	---	---	---	---	---	---	---	---	---	---
Benzo[b]fluoranthene	c, nv	---	---	---	---	---	---	---	---	---	---	---
Benzo[k]fluoranthene	c, nv	---	---	---	---	---	---	---	---	---	---	---
Chrysene	c, nv	---	---	---	---	---	---	---	---	---	---	---
Dibenz[a,h]anthracene	c, nv	---	---	---	---	---	---	---	---	---	---	---
Fluoranthene	nc, nv	---	---	---	---	---	---	---	---	---	---	---
Fluorene	nc, v	---	---	---	---	---	---	---	---	---	---	---
Indeno[1,2,3-cd]pyrene	c, nv	---	---	---	---	---	---	---	---	---	---	---
Pyrene	nc, nv	---	---	---	---	---	---	---	---	---	---	---

Table 1 - Summary of Analytical Data, Soil

Sample ID		B11-5	B11-10	B12-5	B12-10	B13-5	B13-10	Comp01-110831	B14-1	B15 / 1	B16-2.5	B16-5.5
Date Sampled		8/31/11	8/31/11	8/31/11	8/31/11	8/31/11	8/31/11	8/31/11	7/16/15	7/16/15	7/16/15	7/16/15
Depth Sampled (feet)		5	10	5	10	5	10		1	1	2.5	5.5
Sampled By		Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW
Location		South of B5, outside sandblasting shed		North of B5, outside sandblasting shed		East of B5, outside sandblasting shed		Soil from soil cuttings drum	Outdoors	Outdoors	Outdoors	
Constituent of Interest	Note	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)
Total Petroleum Hydrocarbons												
GRO	nc, nv	---	---	---	---	---	---	---	---	---	---	---
DRO	nc, nv	---	---	---	---	---	---	---	---	---	---	---
RRO	nc, nv	---	---	---	---	---	---	---	---	---	---	---

Notes:

mg/Kg = milligram per kilogram or parts per million (ppm).

<# (ND) = not detected at or above the laboratory method reporting limit shown.

NE = not established.

NP = not present at or above the laboratory method reporting limit shown (HCID analysis).

— = not analyzed or not applicable.

c = carcinogenic

nc = noncarcinogenic

v = volatile

nv = nonvolatile

GRO = gasoline-range organics.

DRO = diesel-range organics.

RRO = residual-range organics.

Bolded concentrations exceedscreening level risk-based concentrations and background concentrations, as applicable.

[1] Lowest Risk-Based Concentration for soil (screening level).

(Y) indicates analyte not detected, but detection limit is above screening concentration.

J = estimated result due to matrix interference.

Soil Concentration indicative of possible enrichment

Table 1 - Summary of Analytical Data, Soil

Sample ID		B17-1	B18-1.5	B18-3-3.5	B19-1	B19-3.5	B20 / 1	B21-1	B21-1.5	B21-3.5	B22 / 1
Date Sampled		7/16/15	7/16/15	7/16/15	7/16/15	7/16/15	7/16/15	7/16/15	7/16/15	7/16/15	7/16/15
Depth Sampled (feet)		1	1.5	3-3.5	1	3.5	1	1	1.5	3.5	1
Sampled By		Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW
Location		Outdoors	Outdoors		Indoors- warehouse		Indoors- warehouse	Indoors- warehouse			Indoors- warehouse
Constituent of Interest	Note	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)
Volatile Organic Constituents											
Benzene	c, v	---	---	---	---	---	---	<0.0154 (ND)	---	---	<0.0174 (ND)
Bromodichloromethane	c, v	---	---	---	---	---	---	<0.0617 (ND)	---	---	<0.0696 (ND)
Bromoform	c, nv	---	---	---	---	---	---	<0.0617 (ND)	---	---	<0.0696 (ND)
Bromomethane	nc, v	---	---	---	---	---	---	<0.617 (ND)	---	---	<0.696 (ND)
Carbon tetrachloride	c, v	---	---	---	---	---	---	<0.0308 (ND)	---	---	<0.0348 (ND)
Chlorobenzene	nc, v	---	---	---	---	---	---	<0.0308 (ND)	---	---	<0.0348 (ND)
Chlorodibromomethane	c, nv	---	---	---	---	---	---	<0.123 (ND)	---	---	<0.139 (ND)
Chloroethane	nc, v	---	---	---	---	---	---	<0.617 (ND)	---	---	<0.696 (ND)
Chloroform	c, v	---	---	---	---	---	---	<0.0617 (ND)	---	---	<0.0696 (ND)
Chloromethane	nc, v	---	---	---	---	---	---	<0.308 (ND)	---	---	<0.348 (ND)
Dichlorobenzene, 1,2-	nc, v	---	---	---	---	---	---	<0.0308 (ND)	---	---	<0.0348 (ND)
Dichlorobenzene, 1,4-	c, v	---	---	---	---	---	---	<0.0308 (ND)	---	---	<0.0348 (ND)
Dichloroethane, 1,1-	c, v	---	---	---	---	---	---	<0.0308 (ND)	---	---	<0.0348 (ND)
Dichloroethene, 1,1-	nc, v	---	---	---	---	---	---	<0.0308 (ND)	---	---	<0.0348 (ND)
Dichloroethene, cis-1,2-	nc, v	---	---	---	---	---	---	<0.0308 (ND)	---	---	<0.0348 (ND)
Dichloroethene, trans-1,2-	nc, v	---	---	---	---	---	---	<0.0308 (ND)	---	---	<0.0348 (ND)
Dichloromethane	c, v	---	---	---	---	---	---	---	---	---	---
EDB (1,2-dibromoethane)	c, v	---	---	---	---	---	---	<0.0308 (ND)	---	---	<0.0348 (ND)
EDC (1,2-dichloroethane)	c, v	---	---	---	---	---	---	<0.0308 (ND)	---	---	<0.0348 (ND)
Ethylbenzene	c, v	---	---	---	---	---	---	<0.0308 (ND)	---	---	<0.0348 (ND)
MTBE (methyl t-butyl ether)	c, v	---	---	---	---	---	---	<0.0617 (ND)	---	---	<0.0696 (ND)
Naphthalene	c, v	---	---	---	---	---	---	<0.123 (ND)	---	---	<0.139 (ND)
Propylbenzene, iso	nc, v	---	---	---	---	---	---	<0.0617 (ND)	---	---	<0.0348 (ND)
Tetrachloroethene (PCE)	c, v	---	---	---	---	---	---	<0.0308 (ND)	---	---	<0.0348 (ND)
Toluene	nc, v	---	---	---	---	---	---	<0.0617 (ND)	---	---	<0.0696 (ND)
Trichloroethane, 1,1,1-	nc, v	---	---	---	---	---	---	<0.0308 (ND)	---	---	<0.0348 (ND)
Trichloroethane, 1,1,2- Ψ	c, v	---	---	---	---	---	---	<0.0308 (ND)	---	---	<0.0348 (ND)
Trichloroethene	c, v	---	---	---	---	---	---	<0.0308 (ND)	---	---	<0.0348 (ND)
Trichlorofluoromethane (Freon 11)	nc, v	---	---	---	---	---	---	<0.123 (ND)	---	---	<0.139 (ND)
Trimethylbenzene, 1,2,4-	nc, v	---	---	---	---	---	---	<0.0617 (ND)	---	---	<0.0696 (ND)
Trimethylbenzene, 1,3,5-	nc, v	---	---	---	---	---	---	<0.0617 (ND)	---	---	<0.0696 (ND)
Vinyl chloride	c, v	---	---	---	---	---	---	<0.0308 (ND)	---	---	<0.0348 (ND)
Xylenes	nc, v	---	---	---	---	---	---	<0.0617 (ND)	---	---	<0.0696 (ND)

Table 1 - Summary of Analytical Data, Soil

Sample ID		B17-1	B18-1.5	B18-3-3.5	B19-1	B19-3.5	B20 / 1	B21-1	B21-1.5	B21-3.5	B22 / 1
Date Sampled		7/16/15	7/16/15	7/16/15	7/16/15	7/16/15	7/16/15	7/16/15	7/16/15	7/16/15	7/16/15
Depth Sampled (feet)		1	1.5	3-3.5	1	3.5	1	1	1.5	3.5	1
Sampled By		Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW
Location		Outdoors	Outdoors		Indoors- warehouse		Indoors- warehouse	Indoors- warehouse			Indoors- warehouse
Constituent of Interest	Note	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)
Metals											
Arsenic	c, nv	5.75	3.82	---	5.34	---	6.14	5.09	---	---	2.84
Lead	NA, nv	12	11.3	---	11.2	---	11.4	**81.6**	**96.9**	9.35	17.4
Silver	nc, nv	<0.276 (ND)	<0.252 (ND)	---	<0.248 (ND)	---	<0.261 (ND)	0.268	<0.258 (ND)	<0.246 (ND)	<0.263 (ND)
Semivolatile Organic Constituents											
Polychlorinated biphenyls (PCBs) Ψ	c, nv	---	---	---	---	---	---	<0.0115 (ND)	---	---	---
Polycyclic Aromatic Hydrocarbons											
Acenaphthene	nc, v	---	---	---	---	---	---	0.0261	---	---	---
Anthracene	nc, v	---	---	---	---	---	---	0.0402	---	---	---
Benz[a]anthracene	c, nv	---	---	---	---	---	---	0.103	---	---	---
Benzo[a]pyrene	c, nv	---	---	---	---	---	---	**0.146**	---	---	---
Benzo[b]fluoranthene	c, nv	---	---	---	---	---	---	**0.168 J**	---	---	---
Benzo[k]fluoranthene	c, nv	---	---	---	---	---	---	0.0469	---	---	---
Chrysene	c, nv	---	---	---	---	---	---	0.162	---	---	---
Dibenz[a,h]anthracene	c, nv	---	---	---	---	---	---	**0.0178**	---	---	---
Fluoranthene	nc, nv	---	---	---	---	---	---	0.252	---	---	---
Fluorene	nc, v	---	---	---	---	---	---	0.0636	---	---	---
Indeno[1,2,3-cd]pyrene	c, nv	---	---	---	---	---	---	0.101	---	---	---
Pyrene	nc, nv	---	---	---	---	---	---	0.3	---	---	---

Table 1 - Summary of Analytical Data, Soil

Sample ID		B17-1	B18-1.5	B18-3-3.5	B19-1	B19-3.5	B20 / 1	B21-1	B21-1.5	B21-3.5	B22 / 1
Date Sampled		7/16/15	7/16/15	7/16/15	7/16/15	7/16/15	7/16/15	7/16/15	7/16/15	7/16/15	7/16/15
Depth Sampled (feet)		1	1.5	3-3.5	1	3.5	1	1	1.5	3.5	1
Sampled By		Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW
Location		Outdoors	Outdoors		Indoors- warehouse		Indoors- warehouse	Indoors- warehouse			Indoors- warehouse
Constituent of Interest	Note	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)
Total Petroleum Hydrocarbons											
GRO	nc, nv	---	---	---	---	---	---	<6.17 (ND)	<6.36 (ND)	<5.74 (ND)	NP
DRO	nc, nv	---	<25 (ND)	<25 (ND)	<25 (ND)	<25 (ND)	---	93.3	<112 (ND)	<25 (ND)	NP
RRO	nc, nv	---	<50 (ND)	<50 (ND)	125	<50 (ND)	---	139	**1260**	<50 (ND)	NP

Notes:

mg/Kg = milligram per kilogram or parts per million (ppm).

<# (ND) = not detected at or above the laboratory method reporting limit shown.

NE = not established.

NP = not present at or above the laboratory method reporting limit shown (HCID analysis).

— = not analyzed or not applicable.

c = carcinogenic

nc = noncarcinogenic

v = volatile

nv = nonvolatile

GRO = gasoline-range organics.

DRO = diesel-range organics.

RRO = residual-range organics.

Bolded concentrations exceedscreening level risk-based concentrations and background concentrations, as applicable.

[1] Lowest Risk-Based Concentration for soil (screening level).

(Y) indicates analyte not detected, but detection limit is above screening concentration.

J = estimated result due to matrix interference.

Soil Concentration indicative of possible enrichment

Table 1 - Summary of Analytical Data, Soil

Sample ID		B23-1	B23-3.5	B24 / 1	B25 / 1 (a)	B25 / 3.5 (a)	B27-1	B27-3.5	B28 / 1	B29-1	B29-3.5
Date Sampled		7/16/15	7/16/15	7/16/15	7/16/15	7/16/15	7/16/15	7/16/15	7/16/15	7/16/15	7/16/15
Depth Sampled (feet)		1	3.5	1	1	3.5	1	3.5	1	1	3.5
Sampled By		Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW
Location		Indoors- warehouse		Indoors- warehouse	Indoors - shop area		Indoors - shop area		Indoors - shop area	Office/showroom	
Constituent of Interest	Note	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)
Volatile Organic Constituents											
Benzene	c, v	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	c, v	---	---	---	---	---	---	---	---	---	---
Bromoform	c, nv	---	---	---	---	---	---	---	---	---	---
Bromomethane	nc, v	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	c, v	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	nc, v	---	---	---	---	---	---	---	---	---	---
Chlorodibromomethane	c, nv	---	---	---	---	---	---	---	---	---	---
Chloroethane	nc, v	---	---	---	---	---	---	---	---	---	---
Chloroform	c, v	---	---	---	---	---	---	---	---	---	---
Chloromethane	nc, v	---	---	---	---	---	---	---	---	---	---
Dichlorobenzene, 1,2-	nc, v	---	---	---	---	---	---	---	---	---	---
Dichlorobenzene, 1,4-	c, v	---	---	---	---	---	---	---	---	---	---
Dichloroethane, 1,1-	c, v	---	---	---	---	---	---	---	---	---	---
Dichloroethene, 1,1-	nc, v	---	---	---	---	---	---	---	---	---	---
Dichloroethene, cis-1,2-	nc, v	---	---	---	---	---	---	---	---	---	---
Dichloroethene, trans-1,2-	nc, v	---	---	---	---	---	---	---	---	---	---
Dichloromethane	c, v	---	---	---	---	---	---	---	---	---	---
EDB (1,2-dibromoethane)	c, v	---	---	---	---	---	---	---	---	---	---
EDC (1,2-dichloroethane)	c, v	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	c, v	---	---	---	---	---	---	---	---	---	---
MTBE (methyl t-butyl ether)	c, v	---	---	---	---	---	---	---	---	---	---
Naphthalene	c, v	---	---	---	---	---	---	---	---	---	---
Propylbenzene, iso	nc, v	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene (PCE)	c, v	---	---	---	---	---	---	---	---	---	---
Toluene	nc, v	---	---	---	---	---	---	---	---	---	---
Trichloroethane, 1,1,1-	nc, v	---	---	---	---	---	---	---	---	---	---
Trichloroethane, 1,1,2- Ψ	c, v	---	---	---	---	---	---	---	---	---	---
Trichloroethene	c, v	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane (Freon 11)	nc, v	---	---	---	---	---	---	---	---	---	---
Trimethylbenzene, 1,2,4-	nc, v	---	---	---	---	---	---	---	---	---	---
Trimethylbenzene, 1,3,5-	nc, v	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	c, v	---	---	---	---	---	---	---	---	---	---
Xylenes	nc, v	---	---	---	---	---	---	---	---	---	---

Table 1 - Summary of Analytical Data, Soil

Sample ID		B23-1	B23-3.5	B24 / 1	B25 / 1 (a)	B25 / 3.5 (a)	B27-1	B27-3.5	B28 / 1	B29-1	B29-3.5
Date Sampled		7/16/15	7/16/15	7/16/15	7/16/15	7/16/15	7/16/15	7/16/15	7/16/15	7/16/15	7/16/15
Depth Sampled (feet)		1	3.5	1	1	3.5	1	3.5	1	1	3.5
Sampled By		Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW
Location		Indoors- warehouse		Indoors- warehouse	Indoors - shop area		Indoors - shop area		Indoors - shop area	Office/showroom	
Constituent of Interest	Note	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)
Metals											
Arsenic	c, nv	5.7	---	5.17	4.85	---	5.19	---	5.2	5.85	---
Lead	NA, nv	15.7	---	10.7	35.2	9.68	21.3	10.9	30.6	10.1	---
Silver	nc, nv	<0.255 (ND)	---	<0.27 (ND)	<0.264 (ND)	---	<0.237 (ND)	---	<0.251 (ND)	<0.269 (ND)	---
Semivolatile Organic Constituents											
Polychlorinated biphenyls (PCBs) Ψ	c, nv	---	---	---	---	---	---	---	---	---	---
Polycyclic Aromatic Hydrocarbons											
Acenaphthene	nc, v	---	---	---	---	---	---	---	---	---	---
Anthracene	nc, v	---	---	---	---	---	---	---	---	---	---
Benz[a]anthracene	c, nv	---	---	---	---	---	---	---	---	---	---
Benzo[a]pyrene	c, nv	---	---	---	---	---	---	---	---	---	---
Benzo[b]fluoranthene	c, nv	---	---	---	---	---	---	---	---	---	---
Benzo[k]fluoranthene	c, nv	---	---	---	---	---	---	---	---	---	---
Chrysene	c, nv	---	---	---	---	---	---	---	---	---	---
Dibenz[a,h]anthracene	c, nv	---	---	---	---	---	---	---	---	---	---
Fluoranthene	nc, nv	---	---	---	---	---	---	---	---	---	---
Fluorene	nc, v	---	---	---	---	---	---	---	---	---	---
Indeno[1,2,3-cd]pyrene	c, nv	---	---	---	---	---	---	---	---	---	---
Pyrene	nc, nv	---	---	---	---	---	---	---	---	---	---

Table 1 - Summary of Analytical Data, Soil

Sample ID		B23-1	B23-3.5	B24 / 1	B25 / 1 (a)	B25 / 3.5 (a)	B27-1	B27-3.5	B28 / 1	B29-1	B29-3.5
Date Sampled		7/16/15	7/16/15	7/16/15	7/16/15	7/16/15	7/16/15	7/16/15	7/16/15	7/16/15	7/16/15
Depth Sampled (feet)		1	3.5	1	1	3.5	1	3.5	1	1	3.5
Sampled By		Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW
Location		Indoors- warehouse		Indoors- warehouse	Indoors - shop area		Indoors - shop area		Indoors - shop area	Office/showroom	
Constituent of Interest	Note	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)
Total Petroleum Hydrocarbons											
GRO	nc, nv	---	---	---	---	---	---	---	---	<6.75 (ND)	<6.88 (ND)
DRO	nc, nv	<25 (ND)	<25 (ND)	---	---	---	---	---	---	<25 (ND)	<25 (ND)
RRO	nc, nv	<50 (ND)	<50 (ND)	---	---	---	---	---	---	<50 (ND)	<50 (ND)

Notes:

mg/Kg = milligram per kilogram or parts per million (ppm).

<# (ND) = not detected at or above the laboratory method reporting limit shown.

NE = not established.

NP = not present at or above the laboratory method reporting limit shown (HCID analysis).

— = not analyzed or not applicable.

c = carcinogenic

nc = noncarcinogenic

v = volatile

nv = nonvolatile

GRO = gasoline-range organics.

DRO = diesel-range organics.

RRO = residual-range organics.

Bolded concentrations exceedscreening level risk-based concentrations and background concentrations, as applicable.

[1] Lowest Risk-Based Concentration for soil (screening level).

(Y) indicates analyte not detected, but detection limit is above screening concentration.

J = estimated result due to matrix interference.

Soil Concentration indicative of possible enrichment

Table 1 - Summary of Analytical Data, Soil

Sample ID		B30 / 1.5	B30 / 4.5	B31 / 1	B31 / 3.5	B32-1	B32-3.5	B33 / 1	B34-1	B34-3.5	B35 / 1.0	B35 / 3.75
Date Sampled		7/16/15	7/16/15	7/16/15	7/16/15	7/16/15	7/16/15	7/16/15	7/16/15	7/16/15	7/16/15	7/16/15
Depth Sampled (feet)		1.5	4.5	1	3.5	1	3.5	1	1	3.5	1	3.75
Sampled By		Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW
Location		Office/Showroom		Silvering room		Indoors - shop area		Indoors - shop area	Indoors - shop area		Indoors - shop area	
Constituent of Interest	Note	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)
Volatile Organic Constituents												
Benzene	c, v	<0.166 (ND)	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	c, v	<0.663 (ND)	---	---	---	---	---	---	---	---	---	---
Bromoform	c, nv	<0.663 (ND)	---	---	---	---	---	---	---	---	---	---
Bromomethane	nc, v	<6.63 (ND)	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	c, v	<0.332 (ND)	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	nc, v	<0.332 (ND)	---	---	---	---	---	---	---	---	---	---
Chlorodibromomethane	c, nv	<1.33 (ND)	---	---	---	---	---	---	---	---	---	---
Chloroethane	nc, v	<6.63 (ND)	---	---	---	---	---	---	---	---	---	---
Chloroform	c, v	<0.663 (ND)	---	---	---	---	---	---	---	---	---	---
Chloromethane	nc, v	<3.32 (ND)	---	---	---	---	---	---	---	---	---	---
Dichlorobenzene, 1,2-	nc, v	<0.332 (ND)	---	---	---	---	---	---	---	---	---	---
Dichlorobenzene, 1,4-	c, v	<0.332 (ND)	---	---	---	---	---	---	---	---	---	---
Dichloroethane, 1,1-	c, v	<0.332 (ND)	---	---	---	---	---	---	---	---	---	---
Dichloroethene, 1,1-	nc, v	<0.332 (ND)	---	---	---	---	---	---	---	---	---	---
Dichloroethene, cis-1,2-	nc, v	<0.332 (ND)	---	---	---	---µ	---	---	---	---	---	---
Dichloroethene, trans-1,2-	nc, v	<0.332 (ND)	---	---	---	---	---	---	---	---	---	---
Dichloromethane	c, v	---	---	---	---	---	---	---	---	---	---	---
EDB (1,2-dibromoethane)	c, v	<0.332 (ND)	---	---	---	---	---	---	---	---	---	---
EDC (1,2-dichloroethane)	c, v	<0.332 (ND)	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	c, v	<0.332 (ND)	---	---	---	---	---	---	---	---	---	---
MTBE (methyl t-butyl ether)	c, v	<0.663 (ND)	---	---	---	---	---	---	---	---	---	---
Naphthalene	c, v	**4.98**	---	---	---	---	---	---	---	---	---	---
Propylbenzene, iso	nc, v	<0.663 (ND)	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene (PCE)	c, v	<0.332 (ND)	---	---	---	---	---	---	---	---	---	---
Toluene	nc, v	<0.663 (ND)	---	---	---	---	---	---	---	---	---	---
Trichloroethane, 1,1,1-	nc, v	<0.332 (ND)	---	---	---	---	---	---	---	---	---	---
Trichloroethane, 1,1,2- Ψ	c, v	<0.332 (ND)	---	---	---	---	---	---	---	---	---	---
Trichloroethene	c, v	<0.332 (ND)	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane (Freon 11)	nc, v	<1.33 (ND)	---	---	---	---	---	---	---	---	---	---
Trimethylbenzene, 1,2,4-	nc, v	1.71	---	---	---	---	---	---	---	---	---	---
Trimethylbenzene, 1,3,5-	nc, v	1.31	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	c, v	<0.332 (ND)	---	---	---	---	---	---	---	---	---	---
Xylenes	nc, v	<0.663 (ND)	---	---	---	---	---	---	---	---	---	---

Table 1 - Summary of Analytical Data, Soil

Sample ID		B30 / 1.5	B30 / 4.5	B31 / 1	B31 / 3.5	B32-1	B32-3.5	B33 / 1	B34-1	B34-3.5	B35 / 1.0	B35 / 3.75
Date Sampled		7/16/15	7/16/15	7/16/15	7/16/15	7/16/15	7/16/15	7/16/15	7/16/15	7/16/15	7/16/15	7/16/15
Depth Sampled (feet)		1.5	4.5	1	3.5	1	3.5	1	1	3.5	1	3.75
Sampled By		Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW
Location		Office/Showroom		Silvering room		Indoors - shop area		Indoors - shop area	Indoors - shop area		Indoors - shop area	
Constituent of Interest	Note	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)
Metals												
Arsenic	c, nv	5.46	---	4.86	---	**10.3**	---	3.29	6.32	---	6.00	---
Lead	NA, nv	12.1	---	11.8	---	**12400**	46.5	11.2	**903**	11.7	72.1	11.3
Silver	nc, nv	<0.273 (ND)	---	12.8	<0.25 (ND)	2.01	---	<0.239 (ND)	0.331	<0.252 (ND)	<0.241 (ND)	---
Semivolatile Organic Constituents												
Polychlorinated biphenyls (PCBs) Ψ	c, nv	<0.0125 (ND)	---	---	---	---	---	---	---	---	---	---
Polycyclic Aromatic Hydrocarbons												
Acenaphthene	nc, v	<1.04 (ND)	---	---	---	---	---	---	---	---	---	---
Anthracene	nc, v	<0.61 (ND)	---	---	---	---	---	---	---	---	---	---
Benz[a]anthracene	c, nv	<0.61 (ND)	---	---	---	---	---	---	---	---	---	---
Benzo[a]pyrene	c, nv	<0.61 (ND)	---	---	---	---	---	---	---	---	---	---
Benzo[b]fluoranthene	c, nv	<0.61 (ND)	---	---	---	---	---	---	---	---	---	---
Benzo[k]fluoranthene	c, nv	<0.61 (ND)	---	---	---	---	---	---	---	---	---	---
Chrysene	c, nv	<0.61 (ND)	---	---	---	---	---	---	---	---	---	---
Dibenz[a,h]anthracene	c, nv	<0.61 (ND)	---	---	---	---	---	---	---	---	---	---
Fluoranthene	nc, nv	<0.61 (ND)	---	---	---	---	---	---	---	---	---	---
Fluorene	nc, v	<1.4 (ND)	---	---	---	---	---	---	---	---	---	---
Indeno[1,2,3-cd]pyrene	c, nv	<0.61 (ND)	---	---	---	---	---	---	---	---	---	---
Pyrene	nc, nv	<0.61 (ND)	---	---	---	---	---	---	---	---	---	---

Table 1 - Summary of Analytical Data, Soil

Sample ID		B30 / 1.5	B30 / 4.5	B31 / 1	B31 / 3.5	B32-1	B32-3.5	B33 / 1	B34-1	B34-3.5	B35 / 1.0	B35 / 3.75
Date Sampled		7/16/15	7/16/15	7/16/15	7/16/15	7/16/15	7/16/15	7/16/15	7/16/15	7/16/15	7/16/15	7/16/15
Depth Sampled (feet)		1.5	4.5	1	3.5	1	3.5	1	1	3.5	1	3.75
Sampled By		Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW	Creekside/ENW
Location		Office/Showroom		Silvering room		Indoors - shop area		Indoors - shop area	Indoors - shop area		Indoors - shop area	
Constituent of Interest	Note	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)	mg/kg (ppm)
Total Petroleum Hydrocarbons												
GRO	nc, nv	**1220**	**177**	---	---	---	---	---	---	---	---	---
DRO	nc, nv	**31500**	**1110**	<25 (ND)	<25 (ND)	---	---	---	---	---	<25 (ND)	<25 (ND)
RRO	nc, nv	<2200 (ND)	<50 (ND)	<50 (ND)	<50 (ND)	---	---	---	---	---	302	<50 (ND)

Notes:

mg/Kg = milligram per kilogram or parts per million (ppm).

<# (ND) = not detected at or above the laboratory method reporting limit shown.

NE = not established.

NP = not present at or above the laboratory method reporting limit shown (HCID analysis).

— = not analyzed or not applicable.

c = carcinogenic

nc = noncarcinogenic

v = volatile

nv = nonvolatile

GRO = gasoline-range organics.

DRO = diesel-range organics.

RRO = residual-range organics.

Bolded concentrations exceedscreening level risk-based concentrations and background concentrations, as applicable.

[1] Lowest Risk-Based Concentration for soil (screening level).

(Y) indicates analyte not detected, but detection limit is above screening concentration.

J = estimated result due to matrix interference.

Soil Concentration indicative of possible enrichment

Table 1 - Summary of Analytical Data, Soil

Sample ID / Date Sampled / Depth Sampled (feet) / Sampled By / Location	Note	Maximum Soil Concentration (detected)	Soil Matrix Cleanup Level	ODEQs Screening-Level SLRBCs[1] (Soil)	Background Concentrations/ Clean Fill Screening	Exceeds ODEQs Screening-Level SLRBCs (Soil) and/or Soil Matrix Cleanup Level TRUE or Y FALSE or N	Exceeds background Concentrations/Clean Fill Screening TRUE OR Y FALSE OR N
Constituent of Interest		mg/kg (ppm)					
Volatile Organic Constituents							
Benzene	c, v	<0.166 ND	NE	0.0093	0.08	(Y)	(TRUE)
Bromodichloromethane	c, v	<0.663 ND	NE	0.0025	0.03	(Y)	(TRUE)
Bromoform	c, nv	<0.663 ND	NE	0.084	1.84	(Y)	FALSE
Bromomethane	nc, v	<6.63 ND	NE	0.098	1.28	(Y)	(TRUE)
Carbon tetrachloride	c, v	<0.332 ND	NE	0.028	0.1	(Y)	(TRUE)
Chlorobenzene	nc, v	<0.332 ND	NE	6.5	40	N	FALSE
Chlorodibromomethane	c, nv	<1.33 ND	NE	0.0033	0.04	(Y)	(TRUE)
Chloroethane	nc, v	<6.63 ND	NE	320	320	N	FALSE
Chloroform	c, v	<0.663 ND	NE	0.0033	0.027	(Y)	(TRUE)
Chloromethane	nc, v	<3.32 ND	NE	2.2	24	(Y)	FALSE
Dichlorobenzene, 1,2-	nc, v	<0.332 ND	NE	70	559	N	FALSE
Dichlorobenzene, 1,4-	c, v	<0.332 ND	NE	0.081	0.82	(Y)	FALSE
Dichloroethane, 1,1-	c, v	<0.332 ND	NE	0.037	0.39	(Y)	FALSE
Dichloroethene, 1,1-	nc, v	<0.332 ND	NE	11	54	N	FALSE
Dichloroethene, cis-1,2-	nc, v	<0.332 ND	NE	1.2	8.23	N	FALSE
Dichloroethene, trans-1,2-	nc, v	<0.332 ND	NE	2.5	16	N	FALSE
Dichloromethane	c, v	<0.5 ND	NE	0.038	1.3	(Y)	FALSE
EDB (1,2-dibromoethane)	c, v	<0.332 ND	NE	0.000081	0.002	(Y)	(TRUE)
EDC (1,2-dichloroethane)	c, v	<0.332 ND	NE	0.0014	0.039	(Y)	(TRUE)
Ethylbenzene	c, v	<0.332 ND	NE	0.16	0.82	(Y)	FALSE
MTBE (methyl t-butyl ether)	c, v	<0.663 ND	NE	0.092	1.58	(Y)	FALSE
Naphthalene	c, v	**4.98**	NE	0.087	1.09	**Y**	**TRUE**
Propylbenzene, iso	nc, v	<0.663 ND	NE	3500	1420	N	FALSE
Tetrachloroethene (PCE)	c, v	<0.332 ND	NE	0.64	2.4	N	FALSE
Toluene	nc, v	<0.663 ND	NE	140	200	N	FALSE
Trichloroethane, 1,1,1-	nc, v	<0.332 ND	NE	400	8700	N	FALSE
Trichloroethane, 1,1,2- Ψ	c, v	<0.332 ND	NE	0.0046	0.09	(Y)	(TRUE)
Trichloroethene	c, v	<0.332 ND	NE	0.02	0.13	(Y)	(TRUE)
Trichlorofluoromethane (Freon 11)	nc, v	<1.33 ND	NE	72	190	N	FALSE
Trimethylbenzene, 1,2,4-	nc, v	1.71	NE	16	47.7	N	FALSE
Trimethylbenzene, 1,3,5-	nc, v	1.31	NE	92	12	N	FALSE
Vinyl chloride	c, v	<0.332 ND	NE	0.00051	0.01	(Y)	(TRUE)
Xylenes	nc, v	<1 ND	NE	25	100	N	FALSE

Table 1 - Summary of Analytical Data, Soil

Sample ID / Date Sampled / Depth Sampled (feet) / Sampled By / Location	Note	Maximum Soil Concentration (detected)	Soil Matrix Cleanup Level	ODEQs Screening-Level SLRBCs[1] (Soil)	Background Concentrations/ Clean Fill Screening	Exceeds ODEQs Screening-Level SLRBCs (Soil) and/or Soil Matrix Cleanup Level (TRUE or Y FALSE or N)	Exceeds background Concentrations/Clean Fill Screening (TRUE OR Y FALSE OR N)
Constituent of Interest		mg/kg (ppm)					
Metals							
Arsenic	c, nv	**45.6**	NE	0.39	8.8	Y	Y
Lead	NA, nv	**12400**	NE	30	79 / 28	Y	Y
Silver	nc, nv	**827**	NE	390	0.82	Y	Y
Semivolatile Organic Constituents							
Polychlorinated biphenyls (PCBs) Ψ	c, nv	<0.1 (ND)	NE	0.11	0.2	N	N
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	nc, v	1.9	NE	4700	29	N	FALSE
Anthracene	nc, v	<0.05 (ND)	NE	23000	29	N	FALSE
Benz[a]anthracene	c, nv	0.103	NE	0.15	0.15	N	FALSE
Benzo[a]pyrene	c, nv	0.146	NE	0.015	0.015	Y	**TRUE**
Benzo[b]fluoranthene	c, nv	<0.05 (ND)	NE	0.15	1.25	N	FALSE
Benzo[k]fluoranthene	c, nv	<0.05 (ND)	NE	1.5	0.15	N	FALSE
Chrysene	c, nv	0.162	NE	14	1.1	N	FALSE
Dibenz[a,h]anthracene	c, nv	<0.05 (ND)	NE	0.015	14	(Y)	FALSE
Fluoranthene	nc, nv	0.29	NE	2300	0.015	N	**TRUE**
Fluorene	nc, v	8.2	NE	3100	29	N	FALSE
Indeno[1,2,3-cd]pyrene	c, nv	0.101	NE	0.15	29	N	FALSE
Pyrene	nc, nv	0.97	NE	1700	0.15	N	**TRUE**

Table 1 - Summary of Analytical Data, Soil

Sample ID / Date Sampled / Depth Sampled (feet) / Sampled By / Location		Maximum Soil Concentration (detected)	Soil Matrix Cleanup Level	ODEQs Screening-Level SLRBCs[1] (Soil)	Background Concentrations/ Clean Fill Screening	Exceeds ODEQs Screening-Level SLRBCs (Soil) and/or Soil Matrix Cleanup Level TRUE or Y FALSE or N	Exceeds background Concentrations/Clean Fill Screening TRUE OR Y FALSE OR N
Constituent of Interest	Note	mg/kg (ppm)					
Total Petroleum Hydrocarbons							
GRO	nc, nv	**1220**	80	31	31	**TRUE**	**TRUE**
DRO	nc, nv	**31500**	500	1100	1100	**TRUE**	**TRUE**
RRO	nc, nv	<2200 (ND)	500	2800	2800	TRUE	FALSE

Notes:

mg/Kg = milligram per kilogram or parts per million (ppm).

<# (ND) = not detected at or above the laboratory method reporting limit shown.

NE = not established.

NP = not present at or above the laboratory method reporting limit shown (HCID analysis).

— = not analyzed or not applicable.

c = carcinogenic

nc = noncarcinogenic

v = volatile

nv = nonvolatile

GRO = gasoline-range organics.

DRO = diesel-range organics.

RRO = residual-range organics.

Bolded concentrations exceedscreening level risk-based concentrations and background concentrations, as applicable.

[1] Lowest Risk-Based Concentration for soil (screening level).

(Y) indicates analyte not detected, but detection limit is above screening concentration.

J = estimated result due to matrix interference.

Soil Concentration indicative of possible enrichment

Table 2. Risk Evaluation of Identified COPCs in Surface Soil

Contaminated Medium		SURFACE SOIL mg/Kg (ppm)																Maximum Detected Concentration	Lowest Applicable RBC (Soil)	Constituent of Concern (COC)?
Exposure Pathway		Soil Ingestion, Dermal Contact, and Inhalation RBC_{ss}								Volatilization to Outdoor Air RBC_{so}				Vapor Intrusion into Buildings RBC_{si}						
Receptor Scenario		Urban Residential		Occupational		Construction Worker		Excavation Worker		Urban Residential		Occupational		Urban Residential		Occupational				
Direct or Indirect Pathway (see notes)		DCS		DCS		DCS		DCS		IVS		IVS		IVS		IVS				
Contaminant of Concern	Note		Note		Note		Note	mg/kg (ppm)	Note		Note		Note		Note		Note	mg/kg (ppm)	mg/Kg (ppm)	Y / N
Volatile Organic Constituents																				
Naphthalene	c, v	25		23		580	>Csat	16,000	>Csat	15		27		15		99		4.98	15	N
Tetrachloroethene (PCE)	c, v	3.0		5.1		40		1,100	>Csat	36		66		**0.29**		1.6		0.332	0.29	Y
Metals																				
Arsenic	c, nv	**1.0**		**1.7**		**13**		370		-	NV	-	NV	-	NV	-	NV	**25.9**	1.0	Y
Lead	NA, nv	**400**	L	**800**	L	**800**	L	**800**	L	-	NV	-	NV	-	NV	-	NV	**12400**	400	Y
Silver	nc, nv	**780**		5,100		1,500		43,000		-	NV	-	NV	-	NV	-	NV	**827**	780	Y
Semivolatile Organic Constituents																				
Polycyclic Aromatic Hydrocarbons																				
Benzo[a]pyrene	c, nv	0.034		0.27		2.1		59	>Csat	-	NV	-	NV	-	NV	-	NV	0.146	0.034	Y
Total Petroleum Hydrocarbons																				
GRO	nc, nv	1500		22000		13000		-	>Max	4500		-	>Max	**140**		-	>Max	1220	140	Y
DRO	nc, nv	**8300**		70000		**23000**		-	>Max	-	>Max	-	>Max	**20000**		-	>Max	31500	8300	Y

Notes:
— = not applicable.
mg/Kg = milligrams per Kilogram of parts per million (ppm)
c = carcinogenic
nc = noncarcinogenic
v = volatile
nv = nonvolatile
GRO = gasoline-range organics.
DRO = diesel-range organics.
Bolded concentrations exceed either Soil

>Max = The constituent RBC for this pathway is greater than 100,000 mg/kg. The Department believes it is highly unlikely that such concentrations will ever be encountered.

Table 3. Risk Evaluation of Identified COPCs in Subsurface Soil

Contaminated Medium		SUBSURFACE SOIL mg/Kg (ppm)										Maximum Detected Concentration	Lowest Applicable RBC (Soil)	Constituent of Concern (COC)?
Exposure Pathway		Soil Ingestion, Dermal Contact, and Inhalation RBC_{ss}		Volatilization to Outdoor Air RBC_{so}				Vapor Intrusion into Buildings RBC_{si}						
Receptor Scenario		Excavation Worker		Urban Residential		Occupational		Urban Residential		Occupational				
Direct or Indirect Pathway (see notes)		DCS		IVS		IVS		IVS		IVS				
Contaminant of Concern	Note		Note		Note		Note		Note		Note	mg/Kg (ppm)	mg/Kg (ppm)	Y/N
Volatile Organic Constituents														
Naphthalene	c, v	16,000	>Csat	18		99		18		99		<0.05 ND	18	N
Tetrachloroethene (PCE)	c, v	44,000	>Csat	-	>Csat	-	>Csat	6.60		36.0		<0.025 ND	6.6	N
Metals														
Arsenic	c, nv	370		-	NV	-	NV	-	NV	-	NV	45.6	370	N
Lead	NA, nv	**800**	L	-	NV	-	NV	-	NV	-	NV	**1630**	800	Y
Silver	nc, nv	43,000		-	NV	-	NV	-	NV	-	NV	288	43000	N
Semivolatile Organic Constituents														
Polycyclic Aromatic Hydrocarbons														
Benzo[a]pyrene	c, nv	59	>Csat	-	NV	-	NV	-	NV	-	NV	0.146	59	N
Total Petroleum Hydrocarbons														
GRO	nc, nv	-	>Max	5900		69000		**94**		-	>Max	177	94	Y
DRO	nc, nv	-	>Max	-	>Max	-	>Max	-	>Max	-	>Max	1110	>Max	N

Notes:

— = not analyzed or not applicable.

< = not detected above method reporting limit shown.

mg/Kg = milligrams per kilogram or parts per million (ppm)

c = carcinogenic

nc = noncarcinogenic

v = volatile

nv = nonvolatile

GRO = gasoline-range organics.

DRO = diesel-range organics.

>Max = The constituent RBC for this pathway is greater than 100,000 mg/kg. The Department believes it is highly unlikely that such concentrations will ever be encountered.

APPENDIX A SITE PHOTOGRAPHS

View of sampling inside the building using a stainless-steel hand auger.

View of bathroom inside silvering room, approximate location of high lead and silver concentrations in shallow soil.

View of boring B30 location where petroleum hydrocarbons were detected.

View of approximate location of B32, location of high lead levels in shallow soil.

EVREN NORTHWEST environmental natural resource consultants	Coast Mirror 1732 NE 2nd Avenue Portland, Oregon	**Site Photographs**	Project No. 351-0010-05 Appendix **A**

View of grate (left of sink) and location of boring B2. Silvering room in the background. Break in the floor was noted between these two spaces.

Close-up of the break in the floor between silvering room (left) and the rest of the building.

EVREN NORTHWEST environmental, natural resource consultants	Coast Mirror 1732 NE 2nd Avenue Portland, Oregon	**Site Photographs**	Project No. 351-0010-05 Appendix **A**

APPENDIX B LABORATORY ANALYTICAL REPORT

Apex Labs

AMENDED REPORT

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

Thursday, August 6, 2015

Lynn D. Green
EVREN Northwest, Inc.
PO Box 14488
Portland, OR 97293

RE: Coast Mirror / 351-10010-05

Enclosed are the results of analyses for work order A5G0460, which was received by the laboratory on 7/16/2015 at 3:13:00PM.

Thank you for using Apex Labs. We appreciate your business and strive to provide the highest quality services to the environmental industry.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: DAuvil@apex-labs.com, or by phone at 503-718-2323.

Apex Laboratories

Darrell Auvil For Darwin Thomas, Business Development Director

Apex Labs

AMENDED REPORT

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

EVREN Northwest, Inc.
PO Box 14488
Portland, OR 97293

Project/#: **Coast Mirror / 351-10010-05**

Project Manager: Lynn D. Green

Reported:
08/06/15 16:42

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B15 / 1	A5G0460-01	Soil	07/16/15 10:05	07/16/15 15:13
B20 / 1	A5G0460-03	Soil	07/16/15 10:40	07/16/15 15:13
B22 / 1	A5G0460-05	Soil	07/16/15 11:05	07/16/15 15:13
B24 / 1	A5G0460-07	Soil	07/16/15 11:25	07/16/15 15:13
B25 / 1	A5G0460-09	Soil	07/16/15 11:50	07/16/15 15:13
B25 / 3.5	A5G0460-10	Soil	07/16/15 11:55	07/16/15 15:13
B28 / 1	A5G0460-11	Soil	07/16/15 12:35	07/16/15 15:13
B30 / 1.5	A5G0460-13	Soil	07/16/15 12:55	07/16/15 15:13
B30 / 4.5	A5G0460-14	Soil	07/16/15 13:00	07/16/15 15:13
B31 / 1	A5G0460-15	Soil	07/16/15 13:15	07/16/15 15:13
B31 / 3.5	A5G0460-16	Soil	07/16/15 13:20	07/16/15 15:13
B33 / 1	A5G0460-17	Soil	07/16/15 13:35	07/16/15 15:13
B35 / 1.0	A5G0460-19	Soil	07/16/15 13:55	07/16/15 15:13
B35 / 3.75	A5G0460-20	Soil	07/16/15 14:00	07/16/15 15:13
B18 -1.5	A5G0460-21	Soil	07/16/15 09:30	07/16/15 15:13
B18-3-3.5	A5G0460-22	Soil	07/16/15 09:35	07/16/15 15:13
B17-1	A5G0460-23	Soil	07/16/15 09:44	07/16/15 15:13
B14-1	A5G0460-25	Soil	07/16/15 10:00	07/16/15 15:13
B16-2.5	A5G0460-27	Soil	07/16/15 10:30	07/16/15 15:13
B16-5.5	A5G0460-28	Soil	07/16/15 10:38	07/16/15 15:13
B19-1	A5G0460-29	Soil	07/16/15 10:58	07/16/15 15:13
B19-3.5	A5G0460-30	Soil	07/16/15 11:06	07/16/15 15:13
B21-1	A5G0460-31	Soil	07/16/15 11:20	07/16/15 15:13
B21-1.5	A5G0460-32	Soil	07/16/15 11:26	07/16/15 15:13
B21-3.5	A5G0460-33	Soil	07/16/15 11:35	07/16/15 15:13
B23-1	A5G0460-34	Soil	07/16/15 11:42	07/16/15 15:13
B23-3.5	A5G0460-35	Soil	07/16/15 11:49	07/16/15 15:13
B27-1	A5G0460-36	Soil	07/16/15 12:30	07/16/15 15:13
B27-3.5	A5G0460-37	Soil	07/16/15 12:35	07/16/15 15:13
B29-1	A5G0460-38	Soil	07/16/15 12:57	07/16/15 15:13
B29-3.5	A5G0460-39	Soil	07/16/15 13:03	07/16/15 15:13
B32-1	A5G0460-40	Soil	07/16/15 13:21	07/16/15 15:13
B32-3.5	A5G0460-41	Soil	07/16/15 13:30	07/16/15 15:13
B34-1	A5G0460-42	Soil	07/16/15 13:44	07/16/15 15:13
B34-3.5	A5G0460-43	Soil	07/16/15 13:50	07/16/15 15:13

Apex Laboratories

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Darrell Auvil For Darwin Thomas, Business Development Director

Apex Labs

AMENDED REPORT

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

EVREN Northwest, Inc.	Project/#: **Coast Mirror / 351-10010-05**	
PO Box 14488		**Reported:**
Portland, OR 97293	Project Manager: Lynn D. Green	08/06/15 16:42

ANALYTICAL CASE NARRATIVE

Work Order: A5G0460

Amended Report Revision 1:

Changes to Sample Identification-

This report supersedes all previous reports.

The following sample ID changes have been made:
Sample B25-1, sampled at 12:30, has been changed to B27-1 (Apex ID: A5G0460-36).
Sample B-25-3.5, sampled at 12:35, has been changed to B27-3.5. (Apex ID: A5G0460-37).

Darrell Auvil
Project Manager
8/6/2015

Apex Labs

AMENDED REPORT

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

EVREN Northwest, Inc.
PO Box 14488
Portland, OR 97293

Project/#: **Coast Mirror / 351-10010-05**

Project Manager: Lynn D. Green

Reported:
08/06/15 16:42

ANALYTICAL SAMPLE RESULTS

Hydrocarbon Identification Screen by NWTPH-HCID

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
B22 / 1 (A5G0460-05)			**Matrix: Soil**		**Batch: 5070476**			
Gasoline Range Organics	ND	---	24.2	mg/kg dry	1	07/18/15 03:51	NWTPH-HCID	
Diesel Range Organics	ND	---	60.4	"	"	"	"	
Oil Range Organics	ND	---	121	"	"	"	"	
Surrogate: o-Terphenyl (Surr)			*Recovery: 79 %*	*Limits: 50-150 %*	"	"	"	
4-Bromofluorobenzene (Surr)			*78 %*	*Limits: 50-150 %*	"	"	"	
B30 / 1.5 (A5G0460-13)			**Matrix: Soil**		**Batch: 5070476**			
Gasoline Range Organics	DET	---	23.7	mg/kg dry	1	07/18/15 04:17	NWTPH-HCID	F-09
Diesel Range Organics	DET	---	59.2	"	"	"	"	
Oil Range Organics	ND	---	118	"	"	"	"	
Surrogate: o-Terphenyl (Surr)			*Recovery: 126 %*	*Limits: 50-150 %*	"	"	"	
4-Bromofluorobenzene (Surr)			*80 %*	*Limits: 50-150 %*	"	"	"	
B21-1 (A5G0460-31)			**Matrix: Soil**		**Batch: 5070476**			
Gasoline Range Organics	ND	---	23.7	mg/kg dry	1	07/18/15 04:42	NWTPH-HCID	
Diesel Range Organics	DET	---	59.4	"	"	"	"	
Oil Range Organics	DET	---	119	"	"	"	"	
Surrogate: o-Terphenyl (Surr)			*Recovery: 61 %*	*Limits: 50-150 %*	"	"	"	
4-Bromofluorobenzene (Surr)			*58 %*	*Limits: 50-150 %*	"	"	"	

Apex Laboratories

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Darrell Auvil For Darwin Thomas, Business Development Director

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AMENDED REPORT

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503-718-0333 Fax

EVREN Northwest, Inc.
PO Box 14488
Portland, OR 97293

Project/#: **Coast Mirror / 351-10010-05**

Project Manager: Lynn D. Green

Reported:
08/06/15 16:42

ANALYTICAL SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
B30 / 1.5 (A5G0460-13RE1)			**Matrix: Soil**		**Batch: 5070687**			
Diesel	**31500**	---	1100	mg/kg dry	50	07/25/15 15:11	NWTPH-Dx	
Oil	ND	---	2200	"	"	"	"	
Surrogate: o-Terphenyl (Surr)			*Recovery: %*	*Limits: 50-150 %*	"	"	"	*S-01*
B30 / 4.5 (A5G0460-14)			**Matrix: Soil**		**Batch: 5070583**			
Diesel	**1110**	---	25.0	mg/kg dry	1	07/23/15 03:03	NWTPH-Dx	
Oil	ND	---	50.0	"	"	"	"	
Surrogate: o-Terphenyl (Surr)			*Recovery: 81 %*	*Limits: 50-150 %*	"	"	"	
B31 / 1 (A5G0460-15)			**Matrix: Soil**		**Batch: 5080053**			**H-06**
Diesel	ND	---	25.0	mg/kg dry	1	08/05/15 00:00	NWTPH-Dx	
Oil	ND	---	50.0	"	"	"	"	
Surrogate: o-Terphenyl (Surr)			*Recovery: 86 %*	*Limits: 50-150 %*	"	"	"	
B31 / 3.5 (A5G0460-16)			**Matrix: Soil**		**Batch: 5080053**			**H-06**
Diesel	ND	---	25.0	mg/kg dry	1	08/05/15 00:20	NWTPH-Dx	
Oil	ND	---	50.0	"	"	"	"	
Surrogate: o-Terphenyl (Surr)			*Recovery: 57 %*	*Limits: 50-150 %*	"	"	"	
B35 / 1.0 (A5G0460-19)			**Matrix: Soil**		**Batch: 5080053**			**H-06**
Diesel	ND	---	25.0	mg/kg dry	1	08/05/15 00:40	NWTPH-Dx	
Oil	**302**	---	50.0	"	"	"	"	
Surrogate: o-Terphenyl (Surr)			*Recovery: 85 %*	*Limits: 50-150 %*	"	"	"	
B35 / 3.75 (A5G0460-20)			**Matrix: Soil**		**Batch: 5080053**			**H-06**
Diesel	ND	---	25.0	mg/kg dry	1	08/05/15 01:20	NWTPH-Dx	
Oil	ND	---	50.0	"	"	"	"	
Surrogate: o-Terphenyl (Surr)			*Recovery: 67 %*	*Limits: 50-150 %*	"	"	"	
B18 -1.5 (A5G0460-21)			**Matrix: Soil**		**Batch: 5070687**			
Diesel	ND	---	25.0	mg/kg dry	1	07/24/15 21:20	NWTPH-Dx	
Oil	ND	---	50.0	"	"	"	"	
Surrogate: o-Terphenyl (Surr)			*Recovery: 89 %*	*Limits: 50-150 %*	"	"	"	
B18-3-3.5 (A5G0460-22)			**Matrix: Soil**		**Batch: 5070687**			
Diesel	ND	---	25.0	mg/kg dry	1	07/24/15 21:40	NWTPH-Dx	
Oil	ND	---	50.0	"	"	"	"	
Surrogate: o-Terphenyl (Surr)			*Recovery: 86 %*	*Limits: 50-150 %*	"	"	"	

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Darrell Auvil For Darwin Thomas, Business Development Director

Apex Labs

AMENDED REPORT

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

EVREN Northwest, Inc.
PO Box 14488
Portland, OR 97293

Project/#: **Coast Mirror / 351-10010-05**

Project Manager: Lynn D. Green

Reported:
08/06/15 16:42

ANALYTICAL SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
B19-1 (A5G0460-29)			**Matrix: Soil**		**Batch: 5070687**			
Diesel	ND	---	25.0	mg/kg dry	1	07/24/15 22:00	NWTPH-Dx	
Oil	**125**	---	50.0	"	"	"	"	
Surrogate: o-Terphenyl (Surr)			*Recovery: 87 %*	*Limits: 50-150 %*	"	"	"	
B19-3.5 (A5G0460-30)			**Matrix: Soil**		**Batch: 5070687**			
Diesel	ND	---	25.0	mg/kg dry	1	07/24/15 22:20	NWTPH-Dx	
Oil	ND	---	50.0	"	"	"	"	
Surrogate: o-Terphenyl (Surr)			*Recovery: 75 %*	*Limits: 50-150 %*	"	"	"	
B21-1 (A5G0460-31)			**Matrix: Soil**		**Batch: 5070687**			
Diesel	**93.3**	---	25.0	mg/kg dry	1	07/24/15 22:40	NWTPH-Dx	
Oil	**139**	---	50.0	"	"	"	"	
Surrogate: o-Terphenyl (Surr)			*Recovery: 90 %*	*Limits: 50-150 %*	"	"	"	
B21-1.5 (A5G0460-32)			**Matrix: Soil**		**Batch: 5070583**			
Diesel	ND	---	112	mg/kg dry	5	07/23/15 04:44	NWTPH-Dx	
Oil	**1260**	---	224	"	"	"	"	
Surrogate: o-Terphenyl (Surr)			*Recovery: 90 %*	*Limits: 50-150 %*	"	"	"	*S-05*
B21-3.5 (A5G0460-33)			**Matrix: Soil**		**Batch: 5070583**			
Diesel	ND	---	25.0	mg/kg dry	1	07/23/15 05:24	NWTPH-Dx	
Oil	ND	---	50.0	"	"	"	"	
Surrogate: o-Terphenyl (Surr)			*Recovery: 71 %*	*Limits: 50-150 %*	"	"	"	
B23-1 (A5G0460-34)			**Matrix: Soil**		**Batch: 5070687**			
Diesel	ND	---	25.0	mg/kg dry	1	07/24/15 23:21	NWTPH-Dx	
Oil	ND	---	50.0	"	"	"	"	
Surrogate: o-Terphenyl (Surr)			*Recovery: 89 %*	*Limits: 50-150 %*	"	"	"	
B23-3.5 (A5G0460-35)			**Matrix: Soil**		**Batch: 5070687**			
Diesel	ND	---	25.0	mg/kg dry	1	07/24/15 23:41	NWTPH-Dx	
Oil	ND	---	50.0	"	"	"	"	
Surrogate: o-Terphenyl (Surr)			*Recovery: 88 %*	*Limits: 50-150 %*	"	"	"	
B29-1 (A5G0460-38)			**Matrix: Soil**		**Batch: 5070687**			
Diesel	ND	---	25.0	mg/kg dry	1	07/25/15 00:02	NWTPH-Dx	
Oil	ND	---	50.0	"	"	"	"	
Surrogate: o-Terphenyl (Surr)			*Recovery: 92 %*	*Limits: 50-150 %*	"	"	"	

Apex Laboratories

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Darrell Auvil For Darwin Thomas, Business Development Director

Apex Labs

AMENDED REPORT

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

EVREN Northwest, Inc.
PO Box 14488
Portland, OR 97293

Project/#: **Coast Mirror / 351-10010-05**

Project Manager: Lynn D. Green

Reported:
08/06/15 16:42

ANALYTICAL SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
B29-3.5 (A5G0460-39)			**Matrix: Soil**		**Batch: 5070687**			
Diesel	ND	---	25.0	mg/kg dry	1	07/25/15 00:22	NWTPH-Dx	
Oil	ND	---	50.0	"	"	"	"	
Surrogate: o-Terphenyl (Surr)			*Recovery: 91 %*	*Limits: 50-150 %*	"	"	"	

Apex Laboratories

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Darrell Auvil For Darwin Thomas, Business Development Director

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503-718-2323 Phone
503-718-0333 Fax

EVREN Northwest, Inc.
PO Box 14488
Portland, OR 97293

Project/#: **Coast Mirror / 351-10010-05**

Project Manager: Lynn D. Green

Reported:
08/06/15 16:42

ANALYTICAL SAMPLE RESULTS

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
B30 / 1.5 (A5G0460-13)			**Matrix: Soil**		**Batch: 5070387**			**V-15**
Gasoline Range Organics	**1220**	---	66.3	mg/kg dry	500	07/18/15 01:37	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)			*Recovery: 111 %*	*Limits: 50-150 %*	1	"	"	
1,4-Difluorobenzene (Sur)			*92 %*	*Limits: 50-150 %*	"	"	"	
B30 / 4.5 (A5G0460-14)			**Matrix: Soil**		**Batch: 5070548**			**V-16**
Gasoline Range Organics	**177**	---	5.35	mg/kg dry	50	07/21/15 23:32	NWTPH-Gx (MS)	F-09
Surrogate: 4-Bromofluorobenzene (Sur)			*Recovery: 162 %*	*Limits: 50-150 %*	1	"	"	*S-04*
1,4-Difluorobenzene (Sur)			*98 %*	*Limits: 50-150 %*	"	"	"	
B21-1 (A5G0460-31)			**Matrix: Soil**		**Batch: 5070548**			**V-15**
Gasoline Range Organics	ND	---	6.17	mg/kg dry	50	07/21/15 18:55	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)			*Recovery: 105 %*	*Limits: 50-150 %*	1	"	"	
1,4-Difluorobenzene (Sur)			*93 %*	*Limits: 50-150 %*	"	"	"	
B21-1.5 (A5G0460-32)			**Matrix: Soil**		**Batch: 5070693**			**V-16, V-21**
Gasoline Range Organics	ND	---	6.36	mg/kg dry	50	07/25/15 01:25	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)			*Recovery: 91 %*	*Limits: 50-150 %*	1	"	"	
1,4-Difluorobenzene (Sur)			*87 %*	*Limits: 50-150 %*	"	"	"	
B21-3.5 (A5G0460-33)			**Matrix: Soil**		**Batch: 5070693**			**V-16, V-21**
Gasoline Range Organics	ND	---	5.74	mg/kg dry	50	07/25/15 02:14	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)			*Recovery: 88 %*	*Limits: 50-150 %*	1	"	"	
1,4-Difluorobenzene (Sur)			*87 %*	*Limits: 50-150 %*	"	"	"	
B29-1 (A5G0460-38)			**Matrix: Soil**		**Batch: 5070693**			**V-16, V-21**
Gasoline Range Organics	ND	---	6.75	mg/kg dry	50	07/25/15 02:39	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)			*Recovery: 88 %*	*Limits: 50-150 %*	1	"	"	
1,4-Difluorobenzene (Sur)			*87 %*	*Limits: 50-150 %*	"	"	"	
B29-3.5 (A5G0460-39)			**Matrix: Soil**		**Batch: 5070693**			**V-16, V-21**
Gasoline Range Organics	ND	---	6.88	mg/kg dry	50	07/25/15 03:03	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)			*Recovery: 87 %*	*Limits: 50-150 %*	1	"	"	
1,4-Difluorobenzene (Sur)			*87 %*	*Limits: 50-150 %*	"	"	"	

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AMENDED REPORT

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

EVREN Northwest, Inc.
PO Box 14488
Portland, OR 97293

Project/#: **Coast Mirror / 351-10010-05**

Project Manager: Lynn D. Green

Reported:
08/06/15 16:42

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
B22 / 1 (A5G0460-05)			**Matrix: Soil**		**Batch: 5070387**			**V-15**
Acetone	ND	---	1390	ug/kg dry	50	07/18/15 00:48	5035/8260B	
Benzene	ND	---	17.4	"	"	"	"	
Bromobenzene	ND	---	34.8	"	"	"	"	
Bromochloromethane	ND	---	69.6	"	"	"	"	
Bromodichloromethane	ND	---	69.6	"	"	"	"	
Bromoform	ND	---	69.6	"	"	"	"	
Bromomethane	ND	---	696	"	"	"	"	
2-Butanone (MEK)	ND	---	696	"	"	"	"	
n-Butylbenzene	ND	---	69.6	"	"	"	"	
sec-Butylbenzene	ND	---	69.6	"	"	"	"	
tert-Butylbenzene	ND	---	69.6	"	"	"	"	
Carbon tetrachloride	ND	---	34.8	"	"	"	"	
Chlorobenzene	ND	---	34.8	"	"	"	"	
Chloroethane	ND	---	696	"	"	"	"	
Chloroform	ND	---	69.6	"	"	"	"	
Chloromethane	ND	---	348	"	"	"	"	
2-Chlorotoluene	ND	---	69.6	"	"	"	"	
4-Chlorotoluene	ND	---	69.6	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	---	348	"	"	"	"	
Dibromochloromethane	ND	---	139	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	---	34.8	"	"	"	"	
Dibromomethane	ND	---	69.6	"	"	"	"	
1,2-Dichlorobenzene	ND	---	34.8	"	"	"	"	
1,3-Dichlorobenzene	ND	---	34.8	"	"	"	"	
1,4-Dichlorobenzene	ND	---	34.8	"	"	"	"	
Dichlorodifluoromethane	ND	---	139	"	"	"	"	
1,1-Dichloroethane	ND	---	34.8	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	---	34.8	"	"	"	"	
1,1-Dichloroethene	ND	---	34.8	"	"	"	"	
cis-1,2-Dichloroethene	ND	---	34.8	"	"	"	"	
trans-1,2-Dichloroethene	ND	---	34.8	"	"	"	"	
1,2-Dichloropropane	ND	---	34.8	"	"	"	"	
1,3-Dichloropropane	ND	---	69.6	"	"	"	"	
2,2-Dichloropropane	ND	---	69.6	"	"	"	"	
1,1-Dichloropropene	ND	---	69.6	"	"	"	"	

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Tigard, OR 97223
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503-718-0333 Fax

EVREN Northwest, Inc.
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Portland, OR 97293

Project/#: **Coast Mirror / 351-10010-05**

Project Manager: Lynn D. Green

Reported:
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ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
B22 / 1 (A5G0460-05)			**Matrix: Soil**		**Batch: 5070387**			**V-15**
cis-1,3-Dichloropropene	ND	---	69.6	ug/kg dry	50	"	5035/8260B	
trans-1,3-Dichloropropene	ND	---	69.6	"	"	"	"	
Ethylbenzene	ND	---	34.8	"	"	"	"	
Hexachlorobutadiene	ND	---	139	"	"	"	"	
2-Hexanone	ND	---	696	"	"	"	"	
Isopropylbenzene	ND	---	69.6	"	"	"	"	
4-Isopropyltoluene	ND	---	69.6	"	"	"	"	
4-Methyl-2-pentanone (MiBK)	ND	---	696	"	"	"	"	
Methyl tert-butyl ether (MTBE)	ND	---	69.6	"	"	"	"	
Methylene chloride	ND	---	348	"	"	"	"	
Naphthalene	ND	---	139	"	"	"	"	
n-Propylbenzene	ND	---	34.8	"	"	"	"	
Styrene	ND	---	69.6	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	---	34.8	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	---	34.8	"	"	"	"	
Tetrachloroethene (PCE)	ND	---	34.8	"	"	"	"	
Toluene	ND	---	69.6	"	"	"	"	
1,2,3-Trichlorobenzene	ND	---	348	"	"	"	"	
1,2,4-Trichlorobenzene	ND	---	348	"	"	"	"	
1,1,1-Trichloroethane	ND	---	34.8	"	"	"	"	
1,1,2-Trichloroethane	ND	---	34.8	"	"	"	"	
Trichloroethene (TCE)	ND	---	34.8	"	"	"	"	
Trichlorofluoromethane	ND	---	139	"	"	"	"	
1,2,3-Trichloropropane	ND	---	69.6	"	"	"	"	
1,2,4-Trimethylbenzene	ND	---	69.6	"	"	"	"	
1,3,5-Trimethylbenzene	ND	---	69.6	"	"	"	"	
Vinyl chloride	ND	---	34.8	"	"	"	"	
m,p-Xylene	ND	---	69.6	"	"	"	"	
o-Xylene	ND	---	34.8	"	"	"	"	
Surrogate: Dibromofluoromethane (Surr)			*Recovery: 99 %*	*Limits: 70-130 %*	1	"	"	
1,4-Difluorobenzene (Surr)			*108 %*	*Limits: 70-130 %*	"	"	"	
Toluene-d8 (Surr)			*98 %*	*Limits: 70-130 %*	"	"	"	
4-Bromofluorobenzene (Surr)			*100 %*	*Limits: 70-130 %*	"	"	"	

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Tigard, OR 97223
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503-718-0333 Fax

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PO Box 14488
Portland, OR 97293

Project/#: **Coast Mirror / 351-10010-05**

Project Manager: Lynn D. Green

Reported:
08/06/15 16:42

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
B30 / 1.5 (A5G0460-13)			**Matrix: Soil**		**Batch: 5070387**			
Acetone	ND	---	13300	ug/kg dry	500	07/18/15 01:37	5035/8260B	
Benzene	ND	---	166	"	"	"	"	
Bromobenzene	ND	---	332	"	"	"	"	
Bromochloromethane	ND	---	663	"	"	"	"	
Bromodichloromethane	ND	---	663	"	"	"	"	
Bromoform	ND	---	663	"	"	"	"	
Bromomethane	ND	---	6630	"	"	"	"	
2-Butanone (MEK)	ND	---	6630	"	"	"	"	
n-Butylbenzene	**1510**	---	663	"	"	"	"	M-02
sec-Butylbenzene	ND	---	663	"	"	"	"	
tert-Butylbenzene	ND	---	663	"	"	"	"	
Carbon tetrachloride	ND	---	332	"	"	"	"	
Chlorobenzene	ND	---	332	"	"	"	"	
Chloroethane	ND	---	6630	"	"	"	"	
Chloroform	ND	---	663	"	"	"	"	
Chloromethane	ND	---	3320	"	"	"	"	
2-Chlorotoluene	ND	---	663	"	"	"	"	
4-Chlorotoluene	ND	---	663	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	---	3320	"	"	"	"	
Dibromochloromethane	ND	---	1330	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	---	332	"	"	"	"	
Dibromomethane	ND	---	663	"	"	"	"	
1,2-Dichlorobenzene	ND	---	332	"	"	"	"	
1,3-Dichlorobenzene	ND	---	332	"	"	"	"	
1,4-Dichlorobenzene	ND	---	332	"	"	"	"	
Dichlorodifluoromethane	ND	---	1330	"	"	"	"	
1,1-Dichloroethane	ND	---	332	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	---	332	"	"	"	"	
1,1-Dichloroethene	ND	---	332	"	"	"	"	
cis-1,2-Dichloroethene	ND	---	332	"	"	"	"	
trans-1,2-Dichloroethene	ND	---	332	"	"	"	"	
1,2-Dichloropropane	ND	---	332	"	"	"	"	
1,3-Dichloropropane	ND	---	663	"	"	"	"	
2,2-Dichloropropane	ND	---	663	"	"	"	"	
1,1-Dichloropropene	ND	---	663	"	"	"	"	

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Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

EVREN Northwest, Inc.
PO Box 14488
Portland, OR 97293

Project/#: **Coast Mirror / 351-10010-05**

Project Manager: Lynn D. Green

Reported:
08/06/15 16:42

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
B30 / 1.5 (A5G0460-13)			**Matrix: Soil**		**Batch: 5070387**			
cis-1,3-Dichloropropene	ND	---	663	ug/kg dry	500	"	5035/8260B	
trans-1,3-Dichloropropene	ND	---	663	"	"	"	"	
Ethylbenzene	ND	---	332	"	"	"	"	
Hexachlorobutadiene	ND	---	1330	"	"	"	"	
2-Hexanone	ND	---	6630	"	"	"	"	
Isopropylbenzene	ND	---	663	"	"	"	"	
4-Isopropyltoluene	**1240**	---	663	"	"	"	"	M-02
4-Methyl-2-pentanone (MiBK)	ND	---	6630	"	"	"	"	
Methyl tert-butyl ether (MTBE)	ND	---	663	"	"	"	"	
Methylene chloride	ND	---	3320	"	"	"	"	
Naphthalene	**4980**	---	1330	"	"	"	"	
n-Propylbenzene	ND	---	332	"	"	"	"	
Styrene	ND	---	663	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	---	332	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	---	332	"	"	"	"	
Tetrachloroethene (PCE)	ND	---	332	"	"	"	"	
Toluene	ND	---	663	"	"	"	"	
1,2,3-Trichlorobenzene	ND	---	3320	"	"	"	"	
1,2,4-Trichlorobenzene	ND	---	3320	"	"	"	"	
1,1,1-Trichloroethane	ND	---	332	"	"	"	"	
1,1,2-Trichloroethane	ND	---	332	"	"	"	"	
Trichloroethene (TCE)	ND	---	332	"	"	"	"	
Trichlorofluoromethane	ND	---	1330	"	"	"	"	
1,2,3-Trichloropropane	ND	---	1660	"	"	"	"	R-02
1,2,4-Trimethylbenzene	**1710**	---	663	"	"	"	"	
1,3,5-Trimethylbenzene	**1310**	---	663	"	"	"	"	
Vinyl chloride	ND	---	332	"	"	"	"	
m,p-Xylene	ND	---	663	"	"	"	"	
o-Xylene	ND	---	332	"	"	"	"	
Surrogate: Dibromofluoromethane (Surr)			*Recovery: 100 %*	*Limits: 70-130 %*	1	"	"	
1,4-Difluorobenzene (Surr)			*107 %*	*Limits: 70-130 %*	"	"	"	
Toluene-d8 (Surr)			*100 %*	*Limits: 70-130 %*	"	"	"	
4-Bromofluorobenzene (Surr)			*100 %*	*Limits: 70-130 %*	"	"	"	

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Tigard, OR 97223
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503-718-0333 Fax

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Portland, OR 97293

Project/#: **Coast Mirror / 351-10010-05**

Project Manager: Lynn D. Green

Reported:
08/06/15 16:42

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
B21-1 (A5G0460-31)			**Matrix: Soil**		**Batch: 5070548**			**V-15**
Acetone	ND	---	1230	ug/kg dry	50	07/21/15 18:55	5035/8260B	
Benzene	ND	---	15.4	"	"	"	"	
Bromobenzene	ND	---	30.8	"	"	"	"	
Bromochloromethane	ND	---	61.7	"	"	"	"	
Bromodichloromethane	ND	---	61.7	"	"	"	"	
Bromoform	ND	---	61.7	"	"	"	"	
Bromomethane	ND	---	617	"	"	"	"	
2-Butanone (MEK)	ND	---	617	"	"	"	"	
n-Butylbenzene	ND	---	61.7	"	"	"	"	
sec-Butylbenzene	ND	---	61.7	"	"	"	"	
tert-Butylbenzene	ND	---	61.7	"	"	"	"	
Carbon tetrachloride	ND	---	30.8	"	"	"	"	
Chlorobenzene	ND	---	30.8	"	"	"	"	
Chloroethane	ND	---	617	"	"	"	"	
Chloroform	ND	---	61.7	"	"	"	"	
Chloromethane	ND	---	308	"	"	"	"	
2-Chlorotoluene	ND	---	61.7	"	"	"	"	
4-Chlorotoluene	ND	---	61.7	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	---	308	"	"	"	"	
Dibromochloromethane	ND	---	123	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	---	30.8	"	"	"	"	
Dibromomethane	ND	---	61.7	"	"	"	"	
1,2-Dichlorobenzene	ND	---	30.8	"	"	"	"	
1,3-Dichlorobenzene	ND	---	30.8	"	"	"	"	
1,4-Dichlorobenzene	ND	---	30.8	"	"	"	"	
Dichlorodifluoromethane	ND	---	123	"	"	"	"	
1,1-Dichloroethane	ND	---	30.8	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	---	30.8	"	"	"	"	
1,1-Dichloroethene	ND	---	30.8	"	"	"	"	
cis-1,2-Dichloroethene	ND	---	30.8	"	"	"	"	
trans-1,2-Dichloroethene	ND	---	30.8	"	"	"	"	
1,2-Dichloropropane	ND	---	30.8	"	"	"	"	
1,3-Dichloropropane	ND	---	61.7	"	"	"	"	
2,2-Dichloropropane	ND	---	61.7	"	"	"	"	
1,1-Dichloropropene	ND	---	61.7	"	"	"	"	

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Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

EVREN Northwest, Inc.
PO Box 14488
Portland, OR 97293

Project/#: **Coast Mirror / 351-10010-05**

Project Manager: Lynn D. Green

Reported:
08/06/15 16:42

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
B21-1 (A5G0460-31)			**Matrix: Soil**		**Batch: 5070548**			**V-15**
cis-1,3-Dichloropropene	ND	---	61.7	ug/kg dry	50	"	5035/8260B	
trans-1,3-Dichloropropene	ND	---	61.7	"	"	"	"	
Ethylbenzene	ND	---	30.8	"	"	"	"	
Hexachlorobutadiene	ND	---	123	"	"	"	"	
2-Hexanone	ND	---	617	"	"	"	"	
Isopropylbenzene	ND	---	61.7	"	"	"	"	
4-Isopropyltoluene	ND	---	61.7	"	"	"	"	
4-Methyl-2-pentanone (MiBK)	ND	---	617	"	"	"	"	
Methyl tert-butyl ether (MTBE)	ND	---	61.7	"	"	"	"	
Methylene chloride	ND	---	308	"	"	"	"	
Naphthalene	ND	---	123	"	"	"	"	
n-Propylbenzene	ND	---	30.8	"	"	"	"	
Styrene	ND	---	61.7	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	---	30.8	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	---	30.8	"	"	"	"	
Tetrachloroethene (PCE)	ND	---	30.8	"	"	"	"	
Toluene	ND	---	61.7	"	"	"	"	
1,2,3-Trichlorobenzene	ND	---	308	"	"	"	"	
1,2,4-Trichlorobenzene	ND	---	308	"	"	"	"	
1,1,1-Trichloroethane	ND	---	30.8	"	"	"	"	
1,1,2-Trichloroethane	ND	---	30.8	"	"	"	"	
Trichloroethene (TCE)	ND	---	30.8	"	"	"	"	
Trichlorofluoromethane	ND	---	123	"	"	"	"	
1,2,3-Trichloropropane	ND	---	61.7	"	"	"	"	
1,2,4-Trimethylbenzene	ND	---	61.7	"	"	"	"	
1,3,5-Trimethylbenzene	ND	---	61.7	"	"	"	"	
Vinyl chloride	ND	---	30.8	"	"	"	"	
m,p-Xylene	ND	---	61.7	"	"	"	"	
o-Xylene	ND	---	30.8	"	"	"	"	
Surrogate: Dibromofluoromethane (Surr)			*Recovery: 100 %*	*Limits: 70-130 %*	1	"	"	
1,4-Difluorobenzene (Surr)			*106 %*	*Limits: 70-130 %*	"	"	"	
Toluene-d8 (Surr)			*93 %*	*Limits: 70-130 %*	"	"	"	
4-Bromofluorobenzene (Surr)			*101 %*	*Limits: 70-130 %*	"	"	"	

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Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

EVREN Northwest, Inc.
PO Box 14488
Portland, OR 97293

Project/#: **Coast Mirror / 351-10010-05**

Project Manager: Lynn D. Green

Reported:
08/06/15 16:42

ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
B30 / 1.5 (A5G0460-13)			**Matrix: Soil**		**Batch: 5070523**			**C-07**
Aroclor 1016	ND	---	12.5	ug/kg dry	1	07/22/15 13:54	EPA 8082A	
Aroclor 1221	ND	---	12.5	"	"	"	"	
Aroclor 1232	ND	---	12.5	"	"	"	"	
Aroclor 1242	ND	---	12.5	"	"	"	"	
Aroclor 1248	ND	---	12.5	"	"	"	"	
Aroclor 1254	ND	---	12.5	"	"	"	"	
Aroclor 1260	ND	---	12.5	"	"	"	"	
Surrogate: Decachlorobiphenyl (Surr)			*Recovery: 92 %*	*Limits: 72-126 %*	"	"	"	
B21-1 (A5G0460-31)			**Matrix: Soil**		**Batch: 5070523**			**C-07**
Aroclor 1016	ND	---	11.5	ug/kg dry	1	07/22/15 14:30	EPA 8082A	
Aroclor 1221	ND	---	11.5	"	"	"	"	
Aroclor 1232	ND	---	11.5	"	"	"	"	
Aroclor 1242	ND	---	11.5	"	"	"	"	
Aroclor 1248	ND	---	11.5	"	"	"	"	
Aroclor 1254	ND	---	11.5	"	"	"	"	
Aroclor 1260	ND	---	11.5	"	"	"	"	
Surrogate: Decachlorobiphenyl (Surr)			*Recovery: 80 %*	*Limits: 72-126 %*	"	"	"	

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AMENDED REPORT

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

EVREN Northwest, Inc.
PO Box 14488
Portland, OR 97293

Project/#: **Coast Mirror / 351-10010-05**

Project Manager: Lynn D. Green

Reported:
08/06/15 16:42

ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270D SIM

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
B30 / 1.5 (A5G0460-13)			**Matrix: Soil**		**Batch: 5070552**			
Acenaphthene	ND	---	1040	ug/kg dry	50	07/21/15 19:48	EPA 8270D (SIM)	R-02
Acenaphthylene	ND	---	610	"	"	"	"	
Anthracene	ND	---	610	"	"	"	"	
Benz(a)anthracene	ND	---	610	"	"	"	"	
Benzo(a)pyrene	ND	---	610	"	"	"	"	
Benzo(b)fluoranthene	ND	---	610	"	"	"	"	
Benzo(k)fluoranthene	ND	---	610	"	"	"	"	
Benzo(g,h,i)perylene	ND	---	610	"	"	"	"	
Chrysene	ND	---	610	"	"	"	"	
Dibenz(a,h)anthracene	ND	---	610	"	"	"	"	
Fluoranthene	ND	---	610	"	"	"	"	
Fluorene	ND	---	1400	"	"	"	"	R-02
Indeno(1,2,3-cd)pyrene	ND	---	610	"	"	"	"	
Naphthalene	ND	---	2990	"	"	"	"	R-02
Phenanthrene	**4310**	---	610	"	"	"	"	
Pyrene	ND	---	610	"	"	"	"	
Surrogate: 2-Fluorobiphenyl (Surr)			*Recovery: 88 %*	*Limits: 44-115 %*	"	"	"	*S-05*
p-Terphenyl-d14 (Surr)			*110 %*	*Limits: 54-127 %*	"	"	"	*S-05*

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Project/#: **Coast Mirror / 351-10010-05**

Project Manager: Lynn D. Green

Reported:
08/06/15 16:42

ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270D SIM

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
B21-1 (A5G0460-31RE1)			**Matrix: Soil**		**Batch: 5070552**			
Acenaphthene	**26.1**	---	11.6	ug/kg dry	1	07/22/15 17:34	EPA 8270D (SIM)	
Acenaphthylene	**41.2**	---	11.6	"	"	"	"	
Anthracene	**40.2**	---	11.6	"	"	"	"	
Benz(a)anthracene	**103**	---	11.6	"	"	"	"	
Benzo(a)pyrene	**146**	---	11.6	"	"	"	"	
Benzo(b)fluoranthene	**168**	---	11.6	"	"	"	"	M-02
Benzo(k)fluoranthene	**46.9**	---	11.6	"	"	"	"	M-02
Benzo(g,h,i)perylene	**101**	---	11.6	"	"	"	"	
Chrysene	**162**	---	11.6	"	"	"	"	
Dibenz(a,h)anthracene	**17.8**	---	11.6	"	"	"	"	
Fluoranthene	**252**	---	11.6	"	"	"	"	
Indeno(1,2,3-cd)pyrene	**101**	---	11.6	"	"	"	"	
Naphthalene	**60.3**	---	11.6	"	"	"	"	
Phenanthrene	**284**	---	11.6	"	"	"	"	
Pyrene	**300**	---	11.6	"	"	"	"	
Surrogate: 2-Fluorobiphenyl (Surr)			*Recovery: 63 %*	*Limits: 44-115 %*	"	"	"	
p-Terphenyl-d14 (Surr)			*90 %*	*Limits: 54-127 %*	"	"	"	
B21-1 (A5G0460-31RE2)			**Matrix: Soil**		**Batch: 5070552**			
Fluorene	**63.6**	---	11.6	ug/kg dry	1	07/23/15 15:15	EPA 8270D (SIM)	

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503-718-2323 Phone
503-718-0333 Fax

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PO Box 14488
Portland, OR 97293

Project/#: **Coast Mirror / 351-10010-05**

Project Manager: Lynn D. Green

Reported:
08/06/15 16:42

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
B15 / 1 (A5G0460-01)			**Matrix: Soil**					
Batch: 5070464								
Arsenic	**7.21**	---	2.49	mg/kg dry	10	07/17/15 19:39	EPA 6020A	
Lead	**15.0**	---	1.25	"	"	"	"	
Silver	ND	---	0.249	"	"	"	"	
B20 / 1 (A5G0460-03)			**Matrix: Soil**					
Batch: 5070464								
Arsenic	**6.14**	---	2.61	mg/kg dry	10	07/17/15 19:42	EPA 6020A	
Lead	**11.4**	---	1.31	"	"	"	"	
Silver	ND	---	0.261	"	"	"	"	
B22 / 1 (A5G0460-05)			**Matrix: Soil**					
Batch: 5070464								
Arsenic	**2.84**	---	2.63	mg/kg dry	10	07/17/15 19:45	EPA 6020A	
Lead	**17.4**	---	1.32	"	"	"	"	
Silver	ND	---	0.263	"	"	"	"	
B24 / 1 (A5G0460-07)			**Matrix: Soil**					
Batch: 5070464								
Arsenic	**5.17**	---	2.70	mg/kg dry	10	07/17/15 19:57	EPA 6020A	
Lead	**10.7**	---	1.35	"	"	"	"	
Silver	ND	---	0.270	"	"	"	"	
B25 / 1 (A5G0460-09)			**Matrix: Soil**					
Batch: 5070464								
Arsenic	**4.85**	---	2.64	mg/kg dry	10	07/17/15 20:09	EPA 6020A	
Lead	**35.2**	---	1.32	"	"	"	"	
Silver	ND	---	0.264	"	"	"	"	
B25 / 3.5 (A5G0460-10)			**Matrix: Soil**					
Batch: 5070556								
Lead	**9.68**	---	0.275	mg/kg dry	10	07/22/15 22:47	EPA 6020A	
B28 / 1 (A5G0460-11)			**Matrix: Soil**					
Batch: 5070464								
Arsenic	**5.20**	---	2.51	mg/kg dry	10	07/17/15 20:12	EPA 6020A	
Lead	**30.6**	---	1.25	"	"	"	"	
Silver	ND	---	0.251	"	"	"	"	
B30 / 1.5 (A5G0460-13)			**Matrix: Soil**					
Batch: 5070464								

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503-718-0333 Fax

EVREN Northwest, Inc.
PO Box 14488
Portland, OR 97293

Project/#: **Coast Mirror / 351-10010-05**

Project Manager: Lynn D. Green

Reported:
08/06/15 16:42

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
B30 / 1.5 (A5G0460-13)			**Matrix: Soil**					
Arsenic	**5.46**	---	2.73	mg/kg dry	10	07/17/15 20:14	EPA 6020A	
Lead	**12.1**	---	1.37	"	"	"	"	
Silver	ND	---	0.273	"	"	"	"	
B31 / 1 (A5G0460-15)			**Matrix: Soil**					
Batch: 5070464								
Arsenic	**4.86**	---	2.65	mg/kg dry	10	07/17/15 20:17	EPA 6020A	
Lead	**11.8**	---	1.33	"	"	"	"	
Silver	**12.8**	---	0.265	"	"	"	"	
B31 / 3.5 (A5G0460-16)			**Matrix: Soil**					
Batch: 5070556								
Silver	ND	---	0.250	mg/kg dry	10	07/22/15 22:50	EPA 6020A	
B33 / 1 (A5G0460-17)			**Matrix: Soil**					
Batch: 5070464								
Arsenic	**3.29**	---	2.39	mg/kg dry	10	07/17/15 20:20	EPA 6020A	
Lead	**11.2**	---	1.19	"	"	"	"	
Silver	ND	---	0.239	"	"	"	"	
B35 / 1.0 (A5G0460-19)			**Matrix: Soil**					
Batch: 5070473								
Arsenic	**6.00**	---	2.41	mg/kg dry	10	07/17/15 21:42	EPA 6020A	
Lead	**72.1**	---	1.21	"	"	"	"	
Silver	ND	---	0.241	"	"	"	"	
B35 / 3.75 (A5G0460-20)			**Matrix: Soil**					
Batch: 5070556								
Lead	**11.3**	---	0.262	mg/kg dry	10	07/22/15 22:53	EPA 6020A	
B18 -1.5 (A5G0460-21)			**Matrix: Soil**					
Batch: 5070464								
Arsenic	**3.82**	---	2.52	mg/kg dry	10	07/17/15 20:23	EPA 6020A	
Lead	**11.3**	---	1.26	"	"	"	"	
Silver	ND	---	0.252	"	"	"	"	
B17-1 (A5G0460-23)			**Matrix: Soil**					
Batch: 5070464								
Arsenic	**5.75**	---	2.76	mg/kg dry	10	07/17/15 20:26	EPA 6020A	
Lead	**12.0**	---	1.38	"	"	"	"	
Silver	ND	---	0.276	"	"	"	"	

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Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

EVREN Northwest, Inc.
PO Box 14488
Portland, OR 97293

Project/#: **Coast Mirror / 351-10010-05**

Project Manager: Lynn D. Green

Reported:
08/06/15 16:42

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
B14-1 (A5G0460-25)			**Matrix: Soil**					
Batch: 5070464								
Arsenic	**6.15**	---	2.69	mg/kg dry	10	07/17/15 20:38	EPA 6020A	
Silver	ND	---	0.269	"	"	"	"	
B14-1 (A5G0460-25RE1)			**Matrix: Soil**					
Batch: 5070464								
Lead	**14.7**	---	1.34	mg/kg dry	10	07/20/15 12:29	EPA 6020A	
B16-2.5 (A5G0460-27)			**Matrix: Soil**					
Batch: 5070464								
Arsenic	**4.36**	---	2.64	mg/kg dry	10	07/17/15 20:41	EPA 6020A	
Silver	**0.264**	---	0.264	"	"	"	"	
B16-2.5 (A5G0460-27RE1)			**Matrix: Soil**					
Batch: 5070464								
Lead	**15.6**	---	1.32	mg/kg dry	10	07/20/15 12:32	EPA 6020A	
B16-5.5 (A5G0460-28)			**Matrix: Soil**					
Batch: 5070556								
Silver	ND	---	0.256	mg/kg dry	10	07/22/15 22:56	EPA 6020A	
B19-1 (A5G0460-29)			**Matrix: Soil**					
Batch: 5070464								
Arsenic	**5.34**	---	2.48	mg/kg dry	10	07/17/15 20:44	EPA 6020A	
Silver	ND	---	0.248	"	"	"	"	
B19-1 (A5G0460-29RE1)			**Matrix: Soil**					
Batch: 5070464								
Lead	**11.2**	---	1.24	mg/kg dry	10	07/20/15 12:35	EPA 6020A	
B21-1 (A5G0460-31)			**Matrix: Soil**					
Batch: 5070464								
Arsenic	**5.09**	---	2.55	mg/kg dry	10	07/17/15 20:46	EPA 6020A	
Lead	**81.6**	---	1.28	"	"	"	"	
Silver	**0.268**	---	0.255	"	"	"	"	
B21-1.5 (A5G0460-32)			**Matrix: Soil**					
Batch: 5070556								
Lead	**96.9**	---	0.258	mg/kg dry	10	07/22/15 23:16	EPA 6020A	
Silver	ND	---	0.258	"	"	"	"	
B21-3.5 (A5G0460-33)			**Matrix: Soil**					
Batch: 5070556								

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503-718-2323 Phone
503-718-0333 Fax

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Project/#: **Coast Mirror / 351-10010-05**

Project Manager: Lynn D. Green

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ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
B21-3.5 (A5G0460-33)			**Matrix: Soil**					
Lead	**9.35**	---	0.246	mg/kg dry	10	07/22/15 23:19	EPA 6020A	
Silver	ND	---	0.246	"	"	"	"	
B23-1 (A5G0460-34)			**Matrix: Soil**					
Batch: 5070464								
Arsenic	**5.70**	---	2.55	mg/kg dry	10	07/17/15 20:49	EPA 6020A	
Silver	ND	---	0.255	"	"	"	"	
B23-1 (A5G0460-34RE1)			**Matrix: Soil**					
Batch: 5070464								
Lead	**15.7**	---	1.27	mg/kg dry	10	07/20/15 12:47	EPA 6020A	
B27-1 (A5G0460-36)			**Matrix: Soil**					
Batch: 5070464								
Arsenic	**5.19**	---	2.37	mg/kg dry	10	07/17/15 20:52	EPA 6020A	
Silver	ND	---	0.237	"	"	"	"	
B27-1 (A5G0460-36RE1)			**Matrix: Soil**					
Batch: 5070464								
Lead	**21.3**	---	1.19	mg/kg dry	10	07/20/15 12:49	EPA 6020A	
B27-3.5 (A5G0460-37)			**Matrix: Soil**					
Batch: 5070556								
Lead	**10.9**	---	0.266	mg/kg dry	10	07/22/15 23:22	EPA 6020A	
B29-1 (A5G0460-38)			**Matrix: Soil**					
Batch: 5070464								
Arsenic	**5.85**	---	2.69	mg/kg dry	10	07/17/15 20:55	EPA 6020A	
Silver	ND	---	0.269	"	"	"	"	
B29-1 (A5G0460-38RE1)			**Matrix: Soil**					
Batch: 5070464								
Lead	**10.1**	---	0.269	mg/kg dry	10	07/20/15 16:38	EPA 6020A	
B32-1 (A5G0460-40)			**Matrix: Soil**					
Batch: 5070464								
Arsenic	**10.3**	---	2.51	mg/kg dry	10	07/17/15 20:58	EPA 6020A	
Silver	**2.01**	---	0.251	"	"	"	"	
B32-1 (A5G0460-40RE1)			**Matrix: Soil**					
Batch: 5070464								
Lead	**12400**	---	25.1	mg/kg dry	200	07/20/15 12:21	EPA 6020A	

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503-718-0333 Fax

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Project/#: **Coast Mirror / 351-10010-05**

Project Manager: Lynn D. Green

Reported:
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ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
B32-3.5 (A5G0460-41)			**Matrix: Soil**					
Batch: 5070556								
Lead	**46.5**	---	0.253	mg/kg dry	10	07/22/15 23:25	EPA 6020A	
B34-1 (A5G0460-42)			**Matrix: Soil**					
Batch: 5070464								
Arsenic	**6.32**	---	2.36	mg/kg dry	10	07/17/15 21:04	EPA 6020A	
Silver	**0.331**	---	0.236	"	"	"	"	
B34-1 (A5G0460-42RE1)			**Matrix: Soil**					
Batch: 5070464								
Lead	**903**	---	1.18	mg/kg dry	10	07/20/15 12:26	EPA 6020A	
B34-3.5 (A5G0460-43)			**Matrix: Soil**					
Batch: 5070556								
Lead	**11.7**	---	0.252	mg/kg dry	10	07/22/15 23:28	EPA 6020A	
Silver	ND	---	0.252	"	"	"	"	

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503-718-0333 Fax

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ANALYTICAL SAMPLE RESULTS

TCLP Metals by EPA 6020 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
B32-1 (A5G0460-40)			**Matrix: Soil**					
Batch: 5070578								
Lead	**45.3**	---	0.0500	mg/L	5	07/22/15 23:12	1311/6020A	

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ANALYTICAL SAMPLE RESULTS

Percent Dry Weight

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
B15 / 1 (A5G0460-01)			**Matrix: Soil**		**Batch: 5070460**			
% Solids	**83.7**	---	1.00	% by Weight	1	07/20/15 09:43	EPA 8000C	
B20 / 1 (A5G0460-03)			**Matrix: Soil**		**Batch: 5070460**			
% Solids	**79.2**	---	1.00	% by Weight	1	07/20/15 09:43	EPA 8000C	
B22 / 1 (A5G0460-05)			**Matrix: Soil**		**Batch: 5070460**			
% Solids	**79.5**	---	1.00	% by Weight	1	07/20/15 09:43	EPA 8000C	
B24 / 1 (A5G0460-07)			**Matrix: Soil**		**Batch: 5070460**			
% Solids	**81.3**	---	1.00	% by Weight	1	07/20/15 09:43	EPA 8000C	
B25 / 1 (A5G0460-09)			**Matrix: Soil**		**Batch: 5070460**			
% Solids	**80.5**	---	1.00	% by Weight	1	07/20/15 09:43	EPA 8000C	
B25 / 3.5 (A5G0460-10)			**Matrix: Soil**		**Batch: 5070550**			
% Solids	**74.5**	---	1.00	% by Weight	1	07/22/15 09:32	EPA 8000C	
B28 / 1 (A5G0460-11)			**Matrix: Soil**		**Batch: 5070460**			
% Solids	**80.0**	---	1.00	% by Weight	1	07/20/15 09:43	EPA 8000C	
B30 / 1.5 (A5G0460-13)			**Matrix: Soil**		**Batch: 5070460**			
% Solids	**77.9**	---	1.00	% by Weight	1	07/20/15 09:43	EPA 8000C	
B30 / 4.5 (A5G0460-14)			**Matrix: Soil**		**Batch: 5070550**			
% Solids	**87.3**	---	1.00	% by Weight	1	07/22/15 09:32	EPA 8000C	
B31 / 1 (A5G0460-15)			**Matrix: Soil**		**Batch: 5070460**			
% Solids	**80.6**	---	1.00	% by Weight	1	07/20/15 09:43	EPA 8000C	
B31 / 3.5 (A5G0460-16)			**Matrix: Soil**		**Batch: 5070550**			
% Solids	**84.6**	---	1.00	% by Weight	1	07/22/15 09:32	EPA 8000C	
B33 / 1 (A5G0460-17)			**Matrix: Soil**		**Batch: 5070460**			
% Solids	**84.0**	---	1.00	% by Weight	1	07/20/15 09:43	EPA 8000C	
B35 / 1.0 (A5G0460-19)			**Matrix: Soil**		**Batch: 5070460**			
% Solids	**86.5**	---	1.00	% by Weight	1	07/20/15 09:43	EPA 8000C	
B35 / 3.75 (A5G0460-20)			**Matrix: Soil**		**Batch: 5070550**			
% Solids	**82.2**	---	1.00	% by Weight	1	07/22/15 09:32	EPA 8000C	
B18 -1.5 (A5G0460-21)			**Matrix: Soil**		**Batch: 5070460**			
% Solids	**77.8**	---	1.00	% by Weight	1	07/20/15 09:43	EPA 8000C	
B18-3-3.5 (A5G0460-22)			**Matrix: Soil**		**Batch: 5070678**			
% Solids	**80.8**	---	1.00	% by Weight	1	07/27/15 08:55	EPA 8000C	

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AMENDED REPORT

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

EVREN Northwest, Inc.
PO Box 14488
Portland, OR 97293

Project/#: **Coast Mirror / 351-10010-05**

Project Manager: Lynn D. Green

Reported:
08/06/15 16:42

ANALYTICAL SAMPLE RESULTS

Percent Dry Weight

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
B17-1 (A5G0460-23)			**Matrix: Soil**		**Batch: 5070460**			
% Solids	**78.7**	---	1.00	% by Weight	1	07/20/15 09:43	EPA 8000C	
B14-1 (A5G0460-25)			**Matrix: Soil**		**Batch: 5070460**			
% Solids	**79.2**	---	1.00	% by Weight	1	07/20/15 09:43	EPA 8000C	
B16-2.5 (A5G0460-27)			**Matrix: Soil**		**Batch: 5070460**			
% Solids	**78.4**	---	1.00	% by Weight	1	07/20/15 09:43	EPA 8000C	
B16-5.5 (A5G0460-28)			**Matrix: Soil**		**Batch: 5070550**			
% Solids	**83.0**	---	1.00	% by Weight	1	07/22/15 09:32	EPA 8000C	
B19-1 (A5G0460-29)			**Matrix: Soil**		**Batch: 5070460**			
% Solids	**83.0**	---	1.00	% by Weight	1	07/20/15 09:43	EPA 8000C	
B19-3.5 (A5G0460-30)			**Matrix: Soil**		**Batch: 5070678**			
% Solids	**76.7**	---	1.00	% by Weight	1	07/27/15 08:55	EPA 8000C	
B21-1 (A5G0460-31)			**Matrix: Soil**		**Batch: 5070460**			
% Solids	**82.5**	---	1.00	% by Weight	1	07/20/15 09:43	EPA 8000C	
B21-1.5 (A5G0460-32)			**Matrix: Soil**		**Batch: 5070550**			
% Solids	**81.6**	---	1.00	% by Weight	1	07/22/15 09:32	EPA 8000C	
B21-3.5 (A5G0460-33)			**Matrix: Soil**		**Batch: 5070550**			
% Solids	**83.7**	---	1.00	% by Weight	1	07/22/15 09:32	EPA 8000C	
B23-1 (A5G0460-34)			**Matrix: Soil**		**Batch: 5070460**			
% Solids	**79.5**	---	1.00	% by Weight	1	07/20/15 09:43	EPA 8000C	
B23-3.5 (A5G0460-35)			**Matrix: Soil**		**Batch: 5070678**			
% Solids	**84.6**	---	1.00	% by Weight	1	07/27/15 08:55	EPA 8000C	
B27-1 (A5G0460-36)			**Matrix: Soil**		**Batch: 5070460**			
% Solids	**84.5**	---	1.00	% by Weight	1	07/20/15 09:43	EPA 8000C	
B27-3.5 (A5G0460-37)			**Matrix: Soil**		**Batch: 5070550**			
% Solids	**80.4**	---	1.00	% by Weight	1	07/22/15 09:32	EPA 8000C	
B29-1 (A5G0460-38)			**Matrix: Soil**		**Batch: 5070460**			
% Solids	**80.5**	---	1.00	% by Weight	1	07/20/15 09:43	EPA 8000C	
B29-3.5 (A5G0460-39)			**Matrix: Soil**		**Batch: 5070678**			
% Solids	**79.4**	---	1.00	% by Weight	1	07/27/15 08:55	EPA 8000C	
B32-1 (A5G0460-40)			**Matrix: Soil**		**Batch: 5070460**			

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Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

EVREN Northwest, Inc.
PO Box 14488
Portland, OR 97293

Project/#: **Coast Mirror / 351-10010-05**

Project Manager: Lynn D. Green

Reported:
08/06/15 16:42

ANALYTICAL SAMPLE RESULTS

Percent Dry Weight

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Date Analyzed	Method	Notes
B32-1 (A5G0460-40)			**Matrix: Soil**		**Batch: 5070460**			
% Solids	**87.1**	---	1.00	% by Weight	1	07/20/15 09:43	EPA 8000C	
B32-3.5 (A5G0460-41)			**Matrix: Soil**		**Batch: 5070550**			
% Solids	**83.2**	---	1.00	% by Weight	1	07/22/15 09:32	EPA 8000C	
B34-1 (A5G0460-42)			**Matrix: Soil**		**Batch: 5070460**			
% Solids	**87.3**	---	1.00	% by Weight	1	07/20/15 09:43	EPA 8000C	
B34-3.5 (A5G0460-43)			**Matrix: Soil**		**Batch: 5070550**			
% Solids	**78.3**	---	1.00	% by Weight	1	07/22/15 09:32	EPA 8000C	

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503-718-2323 Phone
503-718-0333 Fax

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PO Box 14488
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Project/#: **Coast Mirror / 351-10010-05**

Project Manager: Lynn D. Green

Reported:
08/06/15 16:42

QUALITY CONTROL (QC) SAMPLE RESULTS

Hydrocarbon Identification Screen by NWTPH-HCID

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070476 - NWTPH-HCID (Soil)							Soil					
Blank (5070476-BLK1)					Prepared: 07/17/15 14:56 Analyzed: 07/18/15 02:12							
NWTPH-HCID												
Gasoline Range Organics	ND	---	18.2	mg/kg wet	1	---	---	---	---	---	---	
Diesel Range Organics	ND	---	45.5	"	"	---	---	---	---	---	---	
Oil Range Organics	ND	---	90.9	"	"	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)			*Recovery: 95 %*	*Limits: 50-150 %*			*Dilution: 1x*					
4-Bromofluorobenzene (Surr)			*100 %*	*50-150 %*			*"*					

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QUALITY CONTROL (QC) SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070583 - EPA 3546 (Fuels)							**Soil**					
Blank (5070583-BLK1)					Prepared: 07/22/15 12:20 Analyzed: 07/22/15 22:24							
NWTPH-Dx												
Diesel	ND	---	25.0	mg/kg wet	1	---	---	---	---	---	---	
Oil	ND	---	50.0	"	"	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)			*Recovery: 90 %*	*Limits: 50-150 %*			*Dilution: 1x*					
LCS (5070583-BS1)					Prepared: 07/22/15 12:20 Analyzed: 07/22/15 23:39							
NWTPH-Dx												
Diesel	120	---	25.0	mg/kg wet	1	125	---	96	76-115%	---	---	
Surr: o-Terphenyl (Surr)			*Recovery: 98 %*	*Limits: 50-150 %*			*Dilution: 1x*					

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08/06/15 16:42

QUALITY CONTROL (QC) SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070687 - EPA 3546 (Fuels)							**Soil**					
Blank (5070687-BLK1)					Prepared: 07/24/15 14:00 Analyzed: 07/24/15 21:20							
NWTPH-Dx												
Diesel	ND	---	25.0	mg/kg wet	1	---	---	---	---	---	---	
Oil	ND	---	50.0	"	"	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)			*Recovery: 102 %*	*Limits: 50-150 %*			*Dilution: 1x*					
LCS (5070687-BS1)					Prepared: 07/24/15 14:00 Analyzed: 07/24/15 21:40							
NWTPH-Dx												
Diesel	113	---	25.0	mg/kg wet	1	125	---	90	76-115%	---	---	
Surr: o-Terphenyl (Surr)			*Recovery: 106 %*	*Limits: 50-150 %*			*Dilution: 1x*					
Duplicate (5070687-DUP3)					Prepared: 07/24/15 15:06 Analyzed: 07/25/15 15:31							
QC Source Sample: B30 / 1.5 (A5G0460-13RE1)												
NWTPH-Dx												
Diesel	**30700**	---	1130	mg/kg dry	50	---	31500	---	---	3	30%	
Oil	ND	---	2270	"	"	---	ND	---	---	---	30%	
Surr: o-Terphenyl (Surr)			*Recovery: %*	*Limits: 50-150 %*			*Dilution: 50x*					*S-01*

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08/06/15 16:42

QUALITY CONTROL (QC) SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5080053 - EPA 3546 (Fuels)							**Soil**					
Blank (5080053-BLK1)					Prepared: 08/04/15 12:58 Analyzed: 08/04/15 22:35							
NWTPH-Dx												
Diesel	ND	---	25.0	mg/kg wet	1	---	---	---	---	---	---	
Oil	ND	---	50.0	"	"	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)			*Recovery: 100 %*	*Limits: 50-150 %*			*Dilution: 1x*					
LCS (5080053-BS1)					Prepared: 08/04/15 12:58 Analyzed: 08/04/15 22:55							
NWTPH-Dx												
Diesel	115	---	25.0	mg/kg wet	1	125	---	92	76-115%	---	---	
Surr: o-Terphenyl (Surr)			*Recovery: 103 %*	*Limits: 50-150 %*			*Dilution: 1x*					

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QUALITY CONTROL (QC) SAMPLE RESULTS

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070387 - EPA 5035A							**Soil**					
Blank (5070387-BLK1)					Prepared: 07/17/15 12:00 Analyzed: 07/17/15 17:44							
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	---	3.33	mg/kg wet	50	---	---	---	---	---	---	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 105 %*	*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)			*95 %*	*50-150 %*			*"*					
LCS (5070387-BS2)					Prepared: 07/17/15 12:00 Analyzed: 07/17/15 17:16							
NWTPH-Gx (MS)												
Gasoline Range Organics	25.4	---	5.00	mg/kg wet	50	25.0	---	102	70-130%	---	---	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 103 %*	*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)			*99 %*	*50-150 %*			*"*					

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QUALITY CONTROL (QC) SAMPLE RESULTS

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070548 - EPA 5035A							Soil					
Blank (5070548-BLK1)					Prepared: 07/21/15 16:18		Analyzed: 07/21/15 18:29					
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	---	3.33	mg/kg wet	50	---	---	---	---	---	---	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery: 101 %*		*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)		*94 %*		*50-150 %*			*"*					
LCS (5070548-BS2)					Prepared: 07/21/15 16:18		Analyzed: 07/21/15 18:03					
NWTPH-Gx (MS)												
Gasoline Range Organics	24.5	---	5.00	mg/kg wet	50	25.0	---	98	70-130%	---	---	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery: 99 %*		*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)		*96 %*		*50-150 %*			*"*					
Duplicate (5070548-DUP1)					Prepared: 07/17/15 14:14		Analyzed: 07/21/15 19:20					**V-15**
QC Source Sample: B21-1 (A5G0460-31)												
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	---	6.17	mg/kg dry	50	---	5.96	---	---	***	30%	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery: 104 %*		*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)		*95 %*		*50-150 %*			*"*					

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503-718-0333 Fax

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QUALITY CONTROL (QC) SAMPLE RESULTS

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070693 - EPA 5035A							**Soil**					
Blank (5070693-BLK1)					Prepared: 07/24/15 16:39 Analyzed: 07/24/15 19:03							
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	---	3.33	mg/kg wet	50	---	---	---	---	---	---	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 104 %*	*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)			*93 %*	*50-150 %*			*"*					
LCS (5070693-BS2)					Prepared: 07/24/15 16:39 Analyzed: 07/24/15 18:25							
NWTPH-Gx (MS)												
Gasoline Range Organics	25.8	---	5.00	mg/kg wet	50	25.0	---	103	70-130%	---	---	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 102 %*	*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)			*96 %*	*50-150 %*			*"*					

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503-718-0333 Fax

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QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070387 - EPA 5035A							**Soil**					
Blank (5070387-BLK1)					Prepared: 07/17/15 12:00 Analyzed: 07/17/15 17:44							
5035/8260B												
Acetone	ND	---	667	ug/kg wet	50	---	---	---	---	---	---	
Benzene	ND	---	8.33	"	"	---	---	---	---	---	---	
Bromobenzene	ND	---	16.7	"	"	---	---	---	---	---	---	
Bromochloromethane	ND	---	33.3	"	"	---	---	---	---	---	---	
Bromodichloromethane	ND	---	33.3	"	"	---	---	---	---	---	---	
Bromoform	ND	---	33.3	"	"	---	---	---	---	---	---	
Bromomethane	ND	---	333	"	"	---	---	---	---	---	---	
2-Butanone (MEK)	ND	---	333	"	"	---	---	---	---	---	---	
n-Butylbenzene	ND	---	33.3	"	"	---	---	---	---	---	---	
sec-Butylbenzene	ND	---	33.3	"	"	---	---	---	---	---	---	
tert-Butylbenzene	ND	---	33.3	"	"	---	---	---	---	---	---	
Carbon tetrachloride	ND	---	16.7	"	"	---	---	---	---	---	---	
Chlorobenzene	ND	---	16.7	"	"	---	---	---	---	---	---	
Chloroethane	ND	---	333	"	"	---	---	---	---	---	---	
Chloroform	ND	---	33.3	"	"	---	---	---	---	---	---	
Chloromethane	ND	---	167	"	"	---	---	---	---	---	---	
2-Chlorotoluene	ND	---	33.3	"	"	---	---	---	---	---	---	
4-Chlorotoluene	ND	---	33.3	"	"	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ND	---	167	"	"	---	---	---	---	---	---	
Dibromochloromethane	ND	---	66.7	"	"	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	---	16.7	"	"	---	---	---	---	---	---	
Dibromomethane	ND	---	33.3	"	"	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	---	16.7	"	"	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	---	16.7	"	"	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	---	16.7	"	"	---	---	---	---	---	---	
Dichlorodifluoromethane	ND	---	66.7	"	"	---	---	---	---	---	---	
1,1-Dichloroethane	ND	---	16.7	"	"	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	---	16.7	"	"	---	---	---	---	---	---	
1,1-Dichloroethene	ND	---	16.7	"	"	---	---	---	---	---	---	

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503-718-0333 Fax

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Portland, OR 97293

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Project Manager: Lynn D. Green

Reported:
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QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070387 - EPA 5035A							**Soil**					
Blank (5070387-BLK1)					Prepared: 07/17/15 12:00 Analyzed: 07/17/15 17:44							
cis-1,2-Dichloroethene	ND	---	16.7	ug/kg wet	"	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	---	16.7	"	"	---	---	---	---	---	---	
1,2-Dichloropropane	ND	---	16.7	"	"	---	---	---	---	---	---	
1,3-Dichloropropane	ND	---	33.3	"	"	---	---	---	---	---	---	
2,2-Dichloropropane	ND	---	33.3	"	"	---	---	---	---	---	---	
1,1-Dichloropropene	ND	---	33.3	"	"	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	---	33.3	"	"	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	---	33.3	"	"	---	---	---	---	---	---	
Ethylbenzene	ND	---	16.7	"	"	---	---	---	---	---	---	
Hexachlorobutadiene	ND	---	66.7	"	"	---	---	---	---	---	---	
2-Hexanone	ND	---	333	"	"	---	---	---	---	---	---	
Isopropylbenzene	ND	---	33.3	"	"	---	---	---	---	---	---	
4-Isopropyltoluene	ND	---	33.3	"	"	---	---	---	---	---	---	
4-Methyl-2-pentanone (MiBK)	ND	---	333	"	"	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	---	33.3	"	"	---	---	---	---	---	---	
Methylene chloride	ND	---	167	"	"	---	---	---	---	---	---	
Naphthalene	ND	---	66.7	"	"	---	---	---	---	---	---	
n-Propylbenzene	ND	---	16.7	"	"	---	---	---	---	---	---	
Styrene	ND	---	33.3	"	"	---	---	---	---	---	---	
1,1,1,2-Tetrachloroethane	ND	---	16.7	"	"	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	---	16.7	"	"	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	---	16.7	"	"	---	---	---	---	---	---	
Toluene	ND	---	33.3	"	"	---	---	---	---	---	---	
1,2,3-Trichlorobenzene	ND	---	167	"	"	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	---	167	"	"	---	---	---	---	---	---	
1,1,1-Trichloroethane	ND	---	16.7	"	"	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	---	16.7	"	"	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	---	16.7	"	"	---	---	---	---	---	---	
Trichlorofluoromethane	ND	---	66.7	"	"	---	---	---	---	---	---	
1,2,3-Trichloropropane	ND	---	33.3	"	"	---	---	---	---	---	---	

Apex Laboratories

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Darrell Auvil For Darwin Thomas, Business Development Director

Apex Labs

AMENDED REPORT

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

EVREN Northwest, Inc.
PO Box 14488
Portland, OR 97293

Project/#: **Coast Mirror / 351-10010-05**

Project Manager: Lynn D. Green

Reported:
08/06/15 16:42

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070387 - EPA 5035A							**Soil**					
Blank (5070387-BLK1)					Prepared: 07/17/15 12:00 Analyzed: 07/17/15 17:44							
1,2,4-Trimethylbenzene	ND	---	33.3	"	"	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	---	33.3	"	"	---	---	---	---	---	---	
Vinyl chloride	ND	---	16.7	"	"	---	---	---	---	---	---	
m,p-Xylene	ND	---	33.3	"	"	---	---	---	---	---	---	
o-Xylene	ND	---	16.7	"	"	---	---	---	---	---	---	
Surr: Dibromofluoromethane (Surr)			*Recovery: 104 %*	*Limits: 70-130 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Surr)			*109 %*	*70-130 %*			*"*					
Toluene-d8 (Surr)			*96 %*	*70-130 %*			*"*					
4-Bromofluorobenzene (Surr)			*99 %*	*70-130 %*			*"*					
LCS (5070387-BS1)					Prepared: 07/17/15 12:00 Analyzed: 07/17/15 16:48							
5035/8260B												
Acetone	1780	---	1000	ug/kg wet	50	2000	---	89	65-135%	---	---	
Benzene	1180	---	12.5	"	"	1000	---	118	"	---	---	
Bromobenzene	1010	---	25.0	"	"	"	---	101	"	---	---	
Bromochloromethane	899	---	50.0	"	"	"	---	90	"	---	---	
Bromodichloromethane	1100	---	50.0	"	"	"	---	110	"	---	---	
Bromoform	1170	---	50.0	"	"	"	---	117	"	---	---	
Bromomethane	1160	---	500	"	"	"	---	116	"	---	---	
2-Butanone (MEK)	2100	---	500	"	"	2000	---	105	"	---	---	
n-Butylbenzene	1030	---	50.0	"	"	1000	---	103	"	---	---	
sec-Butylbenzene	1060	---	50.0	"	"	"	---	106	"	---	---	
tert-Butylbenzene	960	---	50.0	"	"	"	---	96	"	---	---	
Carbon tetrachloride	1010	---	25.0	"	"	"	---	101	"	---	---	
Chlorobenzene	1040	---	25.0	"	"	"	---	104	"	---	---	
Chloroethane	960	---	500	"	"	"	---	96	"	---	---	
Chloroform	1050	---	50.0	"	"	"	---	105	"	---	---	
Chloromethane	771	---	250	"	"	"	---	77	"	---	---	
2-Chlorotoluene	1070	---	50.0	"	"	"	---	107	"	---	---	
4-Chlorotoluene	1030	---	50.0	"	"	"	---	103	"	---	---	
1,2-Dibromo-3-chloropropane	1060	---	250	"	"	"	---	106	"	---	---	

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Darrell Auvil For Darwin Thomas, Business Development Director

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AMENDED REPORT

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

EVREN Northwest, Inc.
PO Box 14488
Portland, OR 97293

Project/#: **Coast Mirror / 351-10010-05**

Project Manager: Lynn D. Green

Reported:
08/06/15 16:42

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070387 - EPA 5035A							**Soil**					
LCS (5070387-BS1)					Prepared: 07/17/15 12:00 Analyzed: 07/17/15 16:48							
Dibromochloromethane	1050	---	100	ug/kg wet	"	"	---	105	"	---	---	
1,2-Dibromoethane (EDB)	1060	---	25.0	"	"	"	---	106	"	---	---	
Dibromomethane	1110	---	50.0	"	"	"	---	111	"	---	---	
1,2-Dichlorobenzene	1080	---	25.0	"	"	"	---	108	"	---	---	
1,3-Dichlorobenzene	1060	---	25.0	"	"	"	---	106	"	---	---	
1,4-Dichlorobenzene	1050	---	25.0	"	"	"	---	105	"	---	---	
Dichlorodifluoromethane	820	---	100	"	"	"	---	82	"	---	---	
1,1-Dichloroethane	965	---	25.0	"	"	"	---	96	"	---	---	
1,2-Dichloroethane (EDC)	848	---	25.0	"	"	"	---	85	"	---	---	
1,1-Dichloroethene	874	---	25.0	"	"	"	---	87	"	---	---	
cis-1,2-Dichloroethene	904	---	25.0	"	"	"	---	90	"	---	---	
trans-1,2-Dichloroethene	896	---	25.0	"	"	"	---	90	"	---	---	
1,2-Dichloropropane	1050	---	25.0	"	"	"	---	105	"	---	---	
1,3-Dichloropropane	1060	---	50.0	"	"	"	---	106	"	---	---	
2,2-Dichloropropane	1000	---	50.0	"	"	"	---	100	"	---	---	
1,1-Dichloropropene	1110	---	50.0	"	"	"	---	111	"	---	---	
cis-1,3-Dichloropropene	925	---	50.0	"	"	"	---	92	"	---	---	
trans-1,3-Dichloropropene	973	---	50.0	"	"	"	---	97	"	---	---	
Ethylbenzene	1030	---	25.0	"	"	"	---	103	"	---	---	
Hexachlorobutadiene	866	---	100	"	"	"	---	87	"	---	---	
2-Hexanone	1920	---	500	"	"	2000	---	96	"	---	---	
Isopropylbenzene	1050	---	50.0	"	"	1000	---	105	"	---	---	
4-Isopropyltoluene	1050	---	50.0	"	"	"	---	105	"	---	---	
4-Methyl-2-pentanone (MiBK)	1920	---	500	"	"	2000	---	96	"	---	---	
Methyl tert-butyl ether (MTBE)	1080	---	50.0	"	"	1000	---	108	"	---	---	
Methylene chloride	1130	---	250	"	"	"	---	113	"	---	---	
Naphthalene	1140	---	100	"	"	"	---	114	"	---	---	
n-Propylbenzene	1080	---	25.0	"	"	"	---	108	"	---	---	
Styrene	1020	---	50.0	"	"	"	---	102	"	---	---	
1,1,1,2-Tetrachloroethane	1040	---	25.0	"	"	"	---	104	"	---	---	

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Darrell Auvil For Darwin Thomas, Business Development Director

Apex Labs

AMENDED REPORT

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

EVREN Northwest, Inc.
PO Box 14488
Portland, OR 97293

Project/#: **Coast Mirror / 351-10010-05**

Project Manager: Lynn D. Green

Reported:
08/06/15 16:42

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070387 - EPA 5035A							**Soil**					
LCS (5070387-BS1)					Prepared: 07/17/15 12:00 Analyzed: 07/17/15 16:48							
1,1,2,2-Tetrachloroethane	1290	---	25.0	"	"	"	---	129	"	---	---	Q-41
Tetrachloroethene (PCE)	974	---	25.0	"	"	"	---	97	"	---	---	
Toluene	990	---	50.0	"	"	"	---	99	"	---	---	
1,2,3-Trichlorobenzene	974	---	250	"	"	"	---	97	"	---	---	
1,2,4-Trichlorobenzene	928	---	250	"	"	"	---	93	"	---	---	
1,1,1-Trichloroethane	962	---	25.0	"	"	"	---	96	"	---	---	
1,1,2-Trichloroethane	1080	---	25.0	"	"	"	---	108	"	---	---	
Trichloroethene (TCE)	1090	---	25.0	"	"	"	---	109	"	---	---	
Trichlorofluoromethane	960	---	100	"	"	"	---	96	"	---	---	
1,2,3-Trichloropropane	1050	---	50.0	"	"	"	---	105	"	---	---	
1,2,4-Trimethylbenzene	1040	---	50.0	"	"	"	---	104	"	---	---	
1,3,5-Trimethylbenzene	1030	---	50.0	"	"	"	---	103	"	---	---	
Vinyl chloride	943	---	25.0	"	"	"	---	94	"	---	---	
m,p-Xylene	2130	---	50.0	"	"	2000	---	107	"	---	---	
o-Xylene	1090	---	25.0	"	"	1000	---	109	"	---	---	
Surr: Dibromofluoromethane (Surr)			*Recovery: 103 %*		*Limits: 70-130 %*			*Dilution: 1x*				
1,4-Difluorobenzene (Surr)			*107 %*		*70-130 %*			*"*				
Toluene-d8 (Surr)			*95 %*		*70-130 %*			*"*				
4-Bromofluorobenzene (Surr)			*97 %*		*70-130 %*			*"*				
Matrix Spike (5070387-MS1)					Prepared: 07/17/15 14:14 Analyzed: 07/18/15 02:02							
QC Source Sample: B30 / 1.5 (A5G0460-13)												
5035/8260B												
Acetone	17700	---	13300	ug/kg dry	500	26500	ND	67	65-135%	---	---	
Benzene	14800	---	166	"	"	13300	ND	111	"	---	---	
Bromobenzene	13200	---	332	"	"	"	ND	99	"	---	---	
Bromochloromethane	10400	---	663	"	"	"	ND	79	"	---	---	
Bromodichloromethane	12800	---	663	"	"	"	ND	97	"	---	---	
Bromoform	13100	---	663	"	"	"	ND	99	"	---	---	
Bromomethane	12900	---	6630	"	"	"	ND	97	"	---	---	
2-Butanone (MEK)	19200	---	6630	"	"	26500	ND	72	"	---	---	
n-Butylbenzene	15900	---	663	"	"	13300	1510	109	"	---	---	

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Darrell Auvil For Darwin Thomas, Business Development Director

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AMENDED REPORT

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

EVREN Northwest, Inc.
PO Box 14488
Portland, OR 97293

Project/#: **Coast Mirror / 351-10010-05**

Project Manager: Lynn D. Green

Reported:
08/06/15 16:42

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070387 - EPA 5035A							**Soil**					
Matrix Spike (5070387-MS1)					Prepared: 07/17/15 14:14 Analyzed: 07/18/15 02:02							
QC Source Sample: B30 / 1.5 (A5G0460-13)												
sec-Butylbenzene	14200	---	663	ug/kg dry	"	"	644	102	"	---	---	
tert-Butylbenzene	12200	---	663	"	"	"	ND	92	"	---	---	
Carbon tetrachloride	12600	---	332	"	"	"	ND	95	"	---	---	
Chlorobenzene	13100	---	332	"	"	"	ND	98	"	---	---	
Chloroethane	10300	---	6630	"	"	"	ND	78	"	---	---	
Chloroform	12700	---	663	"	"	"	ND	96	"	---	---	
Chloromethane	8630	---	3320	"	"	"	ND	65	"	---	---	
2-Chlorotoluene	13800	---	663	"	"	"	ND	104	"	---	---	
4-Chlorotoluene	12800	---	663	"	"	"	ND	96	"	---	---	
1,2-Dibromo-3-chloropropane	12800	---	3320	"	"	"	ND	96	"	---	---	
Dibromochloromethane	12700	---	1330	"	"	"	ND	96	"	---	---	
1,2-Dibromoethane (EDB)	13000	---	332	"	"	"	ND	98	"	---	---	
Dibromomethane	13200	---	663	"	"	"	ND	99	"	---	---	
1,2-Dichlorobenzene	13700	---	332	"	"	"	ND	104	"	---	---	
1,3-Dichlorobenzene	13700	---	332	"	"	"	ND	103	"	---	---	
1,4-Dichlorobenzene	13200	---	332	"	"	"	ND	100	"	---	---	
Dichlorodifluoromethane	9320	---	1330	"	"	"	ND	70	"	---	---	
1,1-Dichloroethane	11800	---	332	"	"	"	ND	89	"	---	---	
1,2-Dichloroethane (EDC)	9850	---	332	"	"	"	ND	74	"	---	---	
1,1-Dichloroethene	10600	---	332	"	"	"	ND	80	"	---	---	
cis-1,2-Dichloroethene	11100	---	332	"	"	"	ND	83	"	---	---	
trans-1,2-Dichloroethene	11000	---	332	"	"	"	ND	83	"	---	---	
1,2-Dichloropropane	12800	---	332	"	"	"	ND	96	"	---	---	
1,3-Dichloropropane	12900	---	663	"	"	"	ND	98	"	---	---	
2,2-Dichloropropane	10700	---	663	"	"	"	ND	80	"	---	---	
1,1-Dichloropropene	13700	---	663	"	"	"	ND	104	"	---	---	
cis-1,3-Dichloropropene	11700	---	663	"	"	"	ND	88	"	---	---	
trans-1,3-Dichloropropene	11500	---	663	"	"	"	ND	86	"	---	---	
Ethylbenzene	12900	---	332	"	"	"	ND	97	"	---	---	

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503-718-0333 Fax

EVREN Northwest, Inc.
PO Box 14488
Portland, OR 97293

Project/#: **Coast Mirror / 351-10010-05**

Project Manager: Lynn D. Green

Reported:
08/06/15 16:42

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070387 - EPA 5035A							**Soil**					
Matrix Spike (5070387-MS1)					Prepared: 07/17/15 14:14 Analyzed: 07/18/15 02:02							
QC Source Sample: B30 / 1.5 (A5G0460-13)												
Hexachlorobutadiene	11600	---	1330	ug/kg dry	"	"	ND	87	"	---	---	
2-Hexanone	18600	---	6630	"	"	26500	ND	70	"	---	---	
Isopropylbenzene	13300	---	663	"	"	13300	ND	100	"	---	---	
4-Isopropyltoluene	17300	---	663	"	"	"	1240	121	"	---	---	
4-Methyl-2-pentanone (MiBK)	19400	---	6630	"	"	26500	ND	73	"	---	---	
Methyl tert-butyl ether (MTBE)	13000	---	663	"	"	13300	ND	98	"	---	---	
Methylene chloride	13700	---	3320	"	"	"	ND	103	"	---	---	
Naphthalene	22800	---	1330	"	"	"	4980	134	"	---	---	
n-Propylbenzene	13900	---	332	"	"	"	252	103	"	---	---	
Styrene	12700	---	663	"	"	"	ND	96	"	---	---	
1,1,1,2-Tetrachloroethane	13100	---	332	"	"	"	ND	98	"	---	---	
1,1,2,2-Tetrachloroethane	14100	---	332	"	"	"	ND	106	"	---	---	Q-41
Tetrachloroethene (PCE)	12600	---	332	"	"	"	ND	95	"	---	---	
Toluene	12600	---	663	"	"	"	ND	95	"	---	---	
1,2,3-Trichlorobenzene	13800	---	3320	"	"	"	ND	104	"	---	---	
1,2,4-Trichlorobenzene	13800	---	3320	"	"	"	ND	104	"	---	---	
1,1,1-Trichloroethane	11800	---	332	"	"	"	ND	89	"	---	---	
1,1,2-Trichloroethane	14200	---	332	"	"	"	ND	107	"	---	---	
Trichloroethene (TCE)	14000	---	332	"	"	"	ND	105	"	---	---	
Trichlorofluoromethane	11000	---	1330	"	"	"	ND	83	"	---	---	
1,2,3-Trichloropropane	13100	---	663	"	"	"	ND	99	"	---	---	
1,2,4-Trimethylbenzene	15100	---	663	"	"	"	1710	101	"	---	---	
1,3,5-Trimethylbenzene	14400	---	663	"	"	"	1310	99	"	---	---	
Vinyl chloride	11700	---	332	"	"	"	ND	88	"	---	---	
m,p-Xylene	26200	---	663	"	"	26500	ND	99	"	---	---	
o-Xylene	14100	---	332	"	"	13300	212	105	"	---	---	

Surr: Dibromofluoromethane (Surr)	*Recovery: 99 %*	*Limits: 70-130 %*	*Dilution: 1x*	
1,4-Difluorobenzene (Surr)	*107 %*	*70-130 %*	*"*	
Toluene-d8 (Surr)	*96 %*	*70-130 %*	*"*	

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AMENDED REPORT

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

EVREN Northwest, Inc.	Project/#: **Coast Mirror / 351-10010-05**	
PO Box 14488		**Reported:**
Portland, OR 97293	Project Manager: Lynn D. Green	08/06/15 16:42

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070387 - EPA 5035A							**Soil**					
Matrix Spike (5070387-MS1)						Prepared: 07/17/15 14:14 Analyzed: 07/18/15 02:02						
QC Source Sample: B30 / 1.5 (A5G0460-13)												
Surr: 4-Bromofluorobenzene (Surr)						*Recovery: 99 %*	*Limits: 70-130 %*		*Dilution: 1x*			

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EVREN Northwest, Inc.
PO Box 14488
Portland, OR 97293

Project/#: **Coast Mirror / 351-10010-05**

Project Manager: Lynn D. Green

Reported:
08/06/15 16:42

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070548 - EPA 5035A							**Soil**					
Blank (5070548-BLK1)					Prepared: 07/21/15 16:18 Analyzed: 07/21/15 18:29							
5035/8260B												
Acetone	ND	---	667	ug/kg wet	50	---	---	---	---	---	---	
Benzene	ND	---	8.33	"	"	---	---	---	---	---	---	
Bromobenzene	ND	---	16.7	"	"	---	---	---	---	---	---	
Bromochloromethane	ND	---	33.3	"	"	---	---	---	---	---	---	
Bromodichloromethane	ND	---	33.3	"	"	---	---	---	---	---	---	
Bromoform	ND	---	33.3	"	"	---	---	---	---	---	---	
Bromomethane	ND	---	333	"	"	---	---	---	---	---	---	
2-Butanone (MEK)	ND	---	333	"	"	---	---	---	---	---	---	
n-Butylbenzene	ND	---	33.3	"	"	---	---	---	---	---	---	
sec-Butylbenzene	ND	---	33.3	"	"	---	---	---	---	---	---	
tert-Butylbenzene	ND	---	33.3	"	"	---	---	---	---	---	---	
Carbon tetrachloride	ND	---	16.7	"	"	---	---	---	---	---	---	
Chlorobenzene	ND	---	16.7	"	"	---	---	---	---	---	---	
Chloroethane	ND	---	333	"	"	---	---	---	---	---	---	
Chloroform	ND	---	33.3	"	"	---	---	---	---	---	---	
Chloromethane	ND	---	167	"	"	---	---	---	---	---	---	
2-Chlorotoluene	ND	---	33.3	"	"	---	---	---	---	---	---	
4-Chlorotoluene	ND	---	33.3	"	"	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ND	---	167	"	"	---	---	---	---	---	---	
Dibromochloromethane	ND	---	66.7	"	"	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	---	16.7	"	"	---	---	---	---	---	---	
Dibromomethane	ND	---	33.3	"	"	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	---	16.7	"	"	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	---	16.7	"	"	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	---	16.7	"	"	---	---	---	---	---	---	
Dichlorodifluoromethane	ND	---	66.7	"	"	---	---	---	---	---	---	
1,1-Dichloroethane	ND	---	16.7	"	"	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	---	16.7	"	"	---	---	---	---	---	---	
1,1-Dichloroethene	ND	---	16.7	"	"	---	---	---	---	---	---	

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Darrell Auvil For Darwin Thomas, Business Development Director

Apex Labs

AMENDED REPORT

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

EVREN Northwest, Inc.
PO Box 14488
Portland, OR 97293

Project/#: **Coast Mirror / 351-10010-05**

Project Manager: Lynn D. Green

Reported:
08/06/15 16:42

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070548 - EPA 5035A							**Soil**					
Blank (5070548-BLK1)					Prepared: 07/21/15 16:18 Analyzed: 07/21/15 18:29							
cis-1,2-Dichloroethene	ND	---	16.7	ug/kg wet	"	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	---	16.7	"	"	---	---	---	---	---	---	
1,2-Dichloropropane	ND	---	16.7	"	"	---	---	---	---	---	---	
1,3-Dichloropropane	ND	---	33.3	"	"	---	---	---	---	---	---	
2,2-Dichloropropane	ND	---	33.3	"	"	---	---	---	---	---	---	
1,1-Dichloropropene	ND	---	33.3	"	"	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	---	33.3	"	"	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	---	33.3	"	"	---	---	---	---	---	---	
Ethylbenzene	ND	---	16.7	"	"	---	---	---	---	---	---	
Hexachlorobutadiene	ND	---	66.7	"	"	---	---	---	---	---	---	
2-Hexanone	ND	---	333	"	"	---	---	---	---	---	---	
Isopropylbenzene	ND	---	33.3	"	"	---	---	---	---	---	---	
4-Isopropyltoluene	ND	---	33.3	"	"	---	---	---	---	---	---	
4-Methyl-2-pentanone (MiBK)	ND	---	333	"	"	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	---	33.3	"	"	---	---	---	---	---	---	
Methylene chloride	ND	---	167	"	"	---	---	---	---	---	---	
Naphthalene	ND	---	66.7	"	"	---	---	---	---	---	---	
n-Propylbenzene	ND	---	16.7	"	"	---	---	---	---	---	---	
Styrene	ND	---	33.3	"	"	---	---	---	---	---	---	
1,1,1,2-Tetrachloroethane	ND	---	16.7	"	"	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	---	16.7	"	"	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	---	16.7	"	"	---	---	---	---	---	---	
Toluene	ND	---	33.3	"	"	---	---	---	---	---	---	
1,2,3-Trichlorobenzene	ND	---	167	"	"	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	---	167	"	"	---	---	---	---	---	---	
1,1,1-Trichloroethane	ND	---	16.7	"	"	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	---	16.7	"	"	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	---	16.7	"	"	---	---	---	---	---	---	
Trichlorofluoromethane	ND	---	66.7	"	"	---	---	---	---	---	---	
1,2,3-Trichloropropane	ND	---	33.3	"	"	---	---	---	---	---	---	

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Darrell Auvil For Darwin Thomas, Business Development Director

Apex Labs

AMENDED REPORT

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

EVREN Northwest, Inc.
PO Box 14488
Portland, OR 97293

Project/#: **Coast Mirror / 351-10010-05**

Project Manager: Lynn D. Green

Reported:
08/06/15 16:42

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070548 - EPA 5035A								**Soil**				
Blank (5070548-BLK1)					Prepared: 07/21/15 16:18 Analyzed: 07/21/15 18:29							
1,2,4-Trimethylbenzene	ND	---	33.3	"	"	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	---	33.3	"	"	---	---	---	---	---	---	
Vinyl chloride	ND	---	16.7	"	"	---	---	---	---	---	---	
m,p-Xylene	ND	---	33.3	"	"	---	---	---	---	---	---	
o-Xylene	ND	---	16.7	"	"	---	---	---	---	---	---	
Surr: Dibromofluoromethane (Surr)		*Recovery:*	*100 %*	*Limits:*	*70-130 %*		*Dilution:*	*1x*				
1,4-Difluorobenzene (Surr)			*107 %*		*70-130 %*			*"*				
Toluene-d8 (Surr)			*95 %*		*70-130 %*			*"*				
4-Bromofluorobenzene (Surr)			*100 %*		*70-130 %*			*"*				
LCS (5070548-BS1)					Prepared: 07/21/15 16:18 Analyzed: 07/21/15 17:37							
5035/8260B												
Acetone	1890	---	1000	ug/kg wet	50	2000	---	94	65-135%	---	---	
Benzene	1280	---	12.5	"	"	1000	---	128	"	---	---	
Bromobenzene	1160	---	25.0	"	"	"	---	116	"	---	---	
Bromochloromethane	978	---	50.0	"	"	"	---	98	"	---	---	
Bromodichloromethane	1190	---	50.0	"	"	"	---	119	"	---	---	
Bromoform	1230	---	50.0	"	"	"	---	123	"	---	---	
Bromomethane	1380	---	500	"	"	"	---	138	"	---	---	Q-29
2-Butanone (MEK)	2100	---	500	"	"	2000	---	105	"	---	---	
n-Butylbenzene	1180	---	50.0	"	"	1000	---	118	"	---	---	
sec-Butylbenzene	1210	---	50.0	"	"	"	---	121	"	---	---	
tert-Butylbenzene	1100	---	50.0	"	"	"	---	110	"	---	---	
Carbon tetrachloride	1210	---	25.0	"	"	"	---	121	"	---	---	
Chlorobenzene	1130	---	25.0	"	"	"	---	113	"	---	---	
Chloroethane	1260	---	500	"	"	"	---	126	"	---	---	
Chloroform	1170	---	50.0	"	"	"	---	117	"	---	---	
Chloromethane	990	---	250	"	"	"	---	99	"	---	---	
2-Chlorotoluene	1200	---	50.0	"	"	"	---	120	"	---	---	
4-Chlorotoluene	1160	---	50.0	"	"	"	---	116	"	---	---	
1,2-Dibromo-3-chloropropane	1150	---	250	"	"	"	---	115	"	---	---	

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Darrell Auvil For Darwin Thomas, Business Development Director

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AMENDED REPORT

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Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

EVREN Northwest, Inc.
PO Box 14488
Portland, OR 97293

Project/#: **Coast Mirror / 351-10010-05**

Project Manager: Lynn D. Green

Reported:
08/06/15 16:42

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070548 - EPA 5035A							**Soil**					
LCS (5070548-BS1)					Prepared: 07/21/15 16:18 Analyzed: 07/21/15 17:37							
Dibromochloromethane	1130	---	100	ug/kg wet	"	"	---	113	"	---	---	
1,2-Dibromoethane (EDB)	1140	---	25.0	"	"	"	---	114	"	---	---	
Dibromomethane	1210	---	50.0	"	"	"	---	121	"	---	---	
1,2-Dichlorobenzene	1210	---	25.0	"	"	"	---	121	"	---	---	
1,3-Dichlorobenzene	1220	---	25.0	"	"	"	---	122	"	---	---	
1,4-Dichlorobenzene	1200	---	25.0	"	"	"	---	120	"	---	---	
Dichlorodifluoromethane	1300	---	100	"	"	"	---	130	"	---	---	
1,1-Dichloroethane	1060	---	25.0	"	"	"	---	106	"	---	---	
1,2-Dichloroethane (EDC)	960	---	25.0	"	"	"	---	96	"	---	---	
1,1-Dichloroethene	1010	---	25.0	"	"	"	---	101	"	---	---	
cis-1,2-Dichloroethene	996	---	25.0	"	"	"	---	100	"	---	---	
trans-1,2-Dichloroethene	996	---	25.0	"	"	"	---	100	"	---	---	
1,2-Dichloropropane	1110	---	25.0	"	"	"	---	111	"	---	---	
1,3-Dichloropropane	1130	---	50.0	"	"	"	---	113	"	---	---	
2,2-Dichloropropane	1220	---	50.0	"	"	"	---	122	"	---	---	
1,1-Dichloropropene	1230	---	50.0	"	"	"	---	123	"	---	---	
cis-1,3-Dichloropropene	980	---	50.0	"	"	"	---	98	"	---	---	
trans-1,3-Dichloropropene	1050	---	50.0	"	"	"	---	105	"	---	---	
Ethylbenzene	1120	---	25.0	"	"	"	---	112	"	---	---	
Hexachlorobutadiene	1010	---	100	"	"	"	---	101	"	---	---	
2-Hexanone	1910	---	500	"	"	2000	---	96	"	---	---	
Isopropylbenzene	1140	---	50.0	"	"	1000	---	114	"	---	---	
4-Isopropyltoluene	1210	---	50.0	"	"	"	---	121	"	---	---	
4-Methyl-2-pentanone (MiBK)	1910	---	500	"	"	2000	---	96	"	---	---	
Methyl tert-butyl ether (MTBE)	1210	---	50.0	"	"	1000	---	121	"	---	---	
Methylene chloride	1230	---	250	"	"	"	---	123	"	---	---	
Naphthalene	1390	---	100	"	"	"	---	139	"	---	---	Q-29
n-Propylbenzene	1230	---	25.0	"	"	"	---	123	"	---	---	
Styrene	1070	---	50.0	"	"	"	---	107	"	---	---	
1,1,1,2-Tetrachloroethane	1160	---	25.0	"	"	"	---	116	"	---	---	

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Darrell Auvil For Darwin Thomas, Business Development Director

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AMENDED REPORT

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

EVREN Northwest, Inc.
PO Box 14488
Portland, OR 97293

Project/#: **Coast Mirror / 351-10010-05**

Project Manager: Lynn D. Green

Reported:
08/06/15 16:42

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070548 - EPA 5035A							**Soil**					
LCS (5070548-BS1)					Prepared: 07/21/15 16:18 Analyzed: 07/21/15 17:37							
1,1,2,2-Tetrachloroethane	1360	---	25.0	"	"	"	---	136	"	---	---	Q-29
Tetrachloroethene (PCE)	1070	---	25.0	"	"	"	---	107	"	---	---	
Toluene	1060	---	50.0	"	"	"	---	106	"	---	---	
1,2,3-Trichlorobenzene	1180	---	250	"	"	"	---	118	"	---	---	
1,2,4-Trichlorobenzene	1110	---	250	"	"	"	---	111	"	---	---	
1,1,1-Trichloroethane	1130	---	25.0	"	"	"	---	113	"	---	---	
1,1,2-Trichloroethane	1160	---	25.0	"	"	"	---	116	"	---	---	
Trichloroethene (TCE)	1220	---	25.0	"	"	"	---	122	"	---	---	
Trichlorofluoromethane	1240	---	100	"	"	"	---	124	"	---	---	
1,2,3-Trichloropropane	1180	---	50.0	"	"	"	---	118	"	---	---	
1,2,4-Trimethylbenzene	1180	---	50.0	"	"	"	---	118	"	---	---	
1,3,5-Trimethylbenzene	1170	---	50.0	"	"	"	---	117	"	---	---	
Vinyl chloride	1150	---	25.0	"	"	"	---	115	"	---	---	
m,p-Xylene	2330	---	50.0	"	"	2000	---	117	"	---	---	
o-Xylene	1180	---	25.0	"	"	1000	---	118	"	---	---	
Surr: Dibromofluoromethane (Surr)			*Recovery: 104 %*	*Limits: 70-130 %*		*Dilution: 1x*						
1,4-Difluorobenzene (Surr)			*108 %*	*70-130 %*		*"*						
Toluene-d8 (Surr)			*93 %*	*70-130 %*		*"*						
4-Bromofluorobenzene (Surr)			*100 %*	*70-130 %*		*"*						
Duplicate (5070548-DUP1)					Prepared: 07/17/15 14:14 Analyzed: 07/21/15 19:20							**V-15**
QC Source Sample: B21-1 (A5G0460-31)												
5035/8260B												
Acetone	ND	---	1230	ug/kg dry	50	---	ND	---	---	---	30%	
Benzene	ND	---	15.4	"	"	---	ND	---	---	---	30%	
Bromobenzene	ND	---	30.8	"	"	---	ND	---	---	---	30%	
Bromochloromethane	ND	---	61.7	"	"	---	ND	---	---	---	30%	
Bromodichloromethane	ND	---	61.7	"	"	---	ND	---	---	---	30%	
Bromoform	ND	---	61.7	"	"	---	ND	---	---	---	30%	
Bromomethane	ND	---	617	"	"	---	ND	---	---	---	30%	
2-Butanone (MEK)	ND	---	617	"	"	---	ND	---	---	---	30%	
n-Butylbenzene	ND	---	61.7	"	"	---	ND	---	---	---	30%	

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Project/#: **Coast Mirror / 351-10010-05**

Project Manager: Lynn D. Green

Reported:
08/06/15 16:42

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070548 - EPA 5035A							**Soil**					
Duplicate (5070548-DUP1)					Prepared: 07/17/15 14:14 Analyzed: 07/21/15 19:20							**V-15**
QC Source Sample: B21-1 (A5G0460-31)												
sec-Butylbenzene	ND	---	61.7	ug/kg dry	"	---	ND	---	---	---	30%	
tert-Butylbenzene	ND	---	61.7	"	"	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	---	30.8	"	"	---	ND	---	---	---	30%	
Chlorobenzene	ND	---	30.8	"	"	---	ND	---	---	---	30%	
Chloroethane	ND	---	617	"	"	---	ND	---	---	---	30%	
Chloroform	ND	---	61.7	"	"	---	ND	---	---	---	30%	
Chloromethane	ND	---	308	"	"	---	ND	---	---	---	30%	
2-Chlorotoluene	ND	---	61.7	"	"	---	ND	---	---	---	30%	
4-Chlorotoluene	ND	---	61.7	"	"	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	---	308	"	"	---	ND	---	---	---	30%	
Dibromochloromethane	ND	---	123	"	"	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	---	30.8	"	"	---	ND	---	---	---	30%	
Dibromomethane	ND	---	61.7	"	"	---	ND	---	---	---	30%	
1,2-Dichlorobenzene	ND	---	30.8	"	"	---	ND	---	---	---	30%	
1,3-Dichlorobenzene	ND	---	30.8	"	"	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	---	30.8	"	"	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	---	123	"	"	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	---	30.8	"	"	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	---	30.8	"	"	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	---	30.8	"	"	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	---	30.8	"	"	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	---	30.8	"	"	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	---	30.8	"	"	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	---	61.7	"	"	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	---	61.7	"	"	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	---	61.7	"	"	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	---	61.7	"	"	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	---	61.7	"	"	---	ND	---	---	---	30%	
Ethylbenzene	ND	---	30.8	"	"	---	ND	---	---	---	30%	

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Project/#: **Coast Mirror / 351-10010-05**

Project Manager: Lynn D. Green

Reported:
08/06/15 16:42

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070548 - EPA 5035A							**Soil**					
Duplicate (5070548-DUP1)					Prepared: 07/17/15 14:14 Analyzed: 07/21/15 19:20							**V-15**
QC Source Sample: B21-1 (A5G0460-31)												
Hexachlorobutadiene	ND	---	123	ug/kg dry	"	---	ND	---	---	---	30%	
2-Hexanone	ND	---	617	"	"	---	ND	---	---	---	30%	
Isopropylbenzene	ND	---	61.7	"	"	---	ND	---	---	---	30%	
4-Isopropyltoluene	ND	---	61.7	"	"	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	---	617	"	"	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	---	61.7	"	"	---	ND	---	---	---	30%	
Methylene chloride	ND	---	308	"	"	---	ND	---	---	---	30%	
Naphthalene	ND	---	123	"	"	---	ND	---	---	---	30%	
n-Propylbenzene	ND	---	30.8	"	"	---	ND	---	---	---	30%	
Styrene	ND	---	61.7	"	"	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	---	30.8	"	"	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	---	30.8	"	"	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	---	30.8	"	"	---	ND	---	---	---	30%	
Toluene	ND	---	61.7	"	"	---	ND	---	---	---	30%	
1,2,3-Trichlorobenzene	ND	---	308	"	"	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	---	308	"	"	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	---	30.8	"	"	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	---	30.8	"	"	---	ND	---	---	---	30%	
Trichloroethene (TCE)	ND	---	30.8	"	"	---	ND	---	---	---	30%	
Trichlorofluoromethane	ND	---	123	"	"	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	---	61.7	"	"	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	---	61.7	"	"	---	ND	---	---	---	30%	
1,3,5-Trimethylbenzene	ND	---	61.7	"	"	---	ND	---	---	---	30%	
Vinyl chloride	ND	---	30.8	"	"	---	ND	---	---	---	30%	
m,p-Xylene	ND	---	61.7	"	"	---	ND	---	---	---	30%	
o-Xylene	ND	---	30.8	"	"	---	ND	---	---	---	30%	

Surr: Dibromofluoromethane (Surr)	*Recovery: 102 %*	*Limits: 70-130 %*	*Dilution: 1x*
1,4-Difluorobenzene (Surr)	*108 %*	*70-130 %*	*"*
Toluene-d8 (Surr)	*94 %*	*70-130 %*	*"*

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Darrell Auvil For Darwin Thomas, Business Development Director

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AMENDED REPORT

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

EVREN Northwest, Inc.	Project/#: **Coast Mirror / 351-10010-05**	
PO Box 14488		**Reported:**
Portland, OR 97293	Project Manager: Lynn D. Green	08/06/15 16:42

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260B

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070548 - EPA 5035A							**Soil**					
Duplicate (5070548-DUP1)					Prepared: 07/17/15 14:14 Analyzed: 07/21/15 19:20							**V-15**
QC Source Sample: B21-1 (A5G0460-31)												
Surr: 4-Bromofluorobenzene (Surr)					*Recovery: 101 %*	*Limits: 70-130 %*					*Dilution: 1x*	

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503-718-0333 Fax

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PO Box 14488
Portland, OR 97293

Project/#: **Coast Mirror / 351-10010-05**

Project Manager: Lynn D. Green

Reported:
08/06/15 16:42

QUALITY CONTROL (QC) SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070523 - EPA 3546							**Soil**					
Blank (5070523-BLK1)					Prepared: 07/21/15 07:08 Analyzed: 07/21/15 12:27							**C-07**
EPA 8082A												
Aroclor 1016	ND	---	8.33	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1221	ND	---	8.33	"	"	---	---	---	---	---	---	
Aroclor 1232	ND	---	8.33	"	"	---	---	---	---	---	---	
Aroclor 1242	ND	---	8.33	"	"	---	---	---	---	---	---	
Aroclor 1248	ND	---	8.33	"	"	---	---	---	---	---	---	
Aroclor 1254	ND	---	8.33	"	"	---	---	---	---	---	---	
Aroclor 1260	ND	---	8.33	"	"	---	---	---	---	---	---	
Surr: Decachlorobiphenyl (Surr)			*Recovery: 85 %*	*Limits: 72-126 %*			*Dilution: 1x*					
LCS (5070523-BS1)					Prepared: 07/21/15 07:08 Analyzed: 07/21/15 12:45							**C-07**
EPA 8082A												
Aroclor 1016	191	---	10.0	ug/kg wet	1	250	---	76	47-134%	---	---	
Aroclor 1260	228	---	10.0	"	"	"	---	91	53-140%	---	---	
Surr: Decachlorobiphenyl (Surr)			*Recovery: 95 %*	*Limits: 72-126 %*			*Dilution: 1x*					

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503-718-0333 Fax

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PO Box 14488
Portland, OR 97293

Project/#: **Coast Mirror / 351-10010-05**

Project Manager: Lynn D. Green

Reported:
08/06/15 16:42

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270D SIM

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070552 - EPA 3546							**Soil**					
Blank (5070552-BLK1)					Prepared: 07/21/15 14:11 Analyzed: 07/21/15 17:32							
EPA 8270D (SIM)												
Acenaphthene	ND	---	9.09	ug/kg wet	1	---	---	---	---	---	---	
Acenaphthylene	ND	---	9.09	"	"	---	---	---	---	---	---	
Anthracene	ND	---	9.09	"	"	---	---	---	---	---	---	
Benz(a)anthracene	ND	---	9.09	"	"	---	---	---	---	---	---	
Benzo(a)pyrene	ND	---	9.09	"	"	---	---	---	---	---	---	
Benzo(b)fluoranthene	ND	---	9.09	"	"	---	---	---	---	---	---	
Benzo(k)fluoranthene	ND	---	9.09	"	"	---	---	---	---	---	---	
Benzo(b+k)fluoranthene(s)	ND	---	18.2	"	"	---	---	---	---	---	---	
Benzo(g,h,i)perylene	ND	---	9.09	"	"	---	---	---	---	---	---	
Chrysene	ND	---	9.09	"	"	---	---	---	---	---	---	
Dibenz(a,h)anthracene	ND	---	9.09	"	"	---	---	---	---	---	---	
Fluoranthene	ND	---	9.09	"	"	---	---	---	---	---	---	
Fluorene	ND	---	9.09	"	"	---	---	---	---	---	---	
Indeno(1,2,3-cd)pyrene	ND	---	9.09	"	"	---	---	---	---	---	---	
Naphthalene	ND	---	9.09	"	"	---	---	---	---	---	---	
Phenanthrene	ND	---	9.09	"	"	---	---	---	---	---	---	
Pyrene	ND	---	9.09	"	"	---	---	---	---	---	---	
Surr: 2-Fluorobiphenyl (Surr)			*Recovery: 78 %*	*Limits: 44-115 %*				*Dilution: 1x*				
p-Terphenyl-d14 (Surr)			*95 %*	*54-127 %*				*"*				
LCS (5070552-BS1)					Prepared: 07/21/15 14:11 Analyzed: 07/21/15 17:59							
EPA 8270D (SIM)												
Acenaphthene	693	---	10.0	ug/kg wet	1	800	---	87	40-122%	---	---	
Acenaphthylene	668	---	10.0	"	"	"	---	83	32-132%	---	---	
Anthracene	726	---	10.0	"	"	"	---	91	47-123%	---	---	
Benz(a)anthracene	653	---	10.0	"	"	"	---	82	49-126%	---	---	
Benzo(a)pyrene	768	---	10.0	"	"	"	---	96	45-129%	---	---	
Benzo(b)fluoranthene	715	---	10.0	"	"	"	---	89	45-132%	---	---	
Benzo(k)fluoranthene	752	---	10.0	"	"	"	---	94	47-132%	---	---	
Benzo(b+k)fluoranthene(s)	1460	---	20.0	"	"	1600	---	91	45-132%	---	---	
Benzo(g,h,i)perylene	520	---	10.0	"	"	800	---	65	43-134%	---	---	

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AMENDED REPORT

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

EVREN Northwest, Inc.
PO Box 14488
Portland, OR 97293

Project/#: **Coast Mirror / 351-10010-05**

Project Manager: Lynn D. Green

Reported:
08/06/15 16:42

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270D SIM

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070552 - EPA 3546							**Soil**					
LCS (5070552-BS1)					Prepared: 07/21/15 14:11		Analyzed: 07/21/15 17:59					
Chrysene	666	---	10.0	"	"	"	---	83	50-124%	---	---	
Dibenz(a,h)anthracene	673	---	10.0	"	"	"	---	84	45-134%	---	---	
Fluoranthene	668	---	10.0	"	"	"	---	84	50-127%	---	---	
Fluorene	682	---	10.0	"	"	"	---	85	43-125%	---	---	
Indeno(1,2,3-cd)pyrene	707	---	10.0	"	"	"	---	88	45-133%	---	---	
Naphthalene	696	---	10.0	"	"	"	---	87	35-123%	---	---	
Phenanthrene	666	---	10.0	"	"	"	---	83	50-121%	---	---	
Pyrene	664	---	10.0	"	"	"	---	83	47-127%	---	---	
Surr: 2-Fluorobiphenyl (Surr)			*Recovery: 77 %*		*Limits: 44-115 %*			*Dilution: 1x*				
p-Terphenyl-d14 (Surr)			*89 %*		*54-127 %*			*"*				
Matrix Spike (5070552-MS2)					Prepared: 07/21/15 14:11		Analyzed: 07/22/15 18:01					
QC Source Sample: B21-1 (A5G0460-31RE1)												
EPA 8270D (SIM)												
Acenaphthene	723	---	11.4	ug/kg dry	1	913	26.1	76	40-122%	---	---	
Acenaphthylene	705	---	11.4	"	"	"	41.2	73	32-132%	---	---	
Anthracene	822	---	11.4	"	"	"	40.2	86	47-123%	---	---	
Benz(a)anthracene	829	---	11.4	"	"	"	103	79	49-126%	---	---	
Benzo(a)pyrene	959	---	11.4	"	"	"	146	89	45-129%	---	---	
Benzo(b)fluoranthene	932	---	11.4	"	"	"	168	84	45-132%	---	---	
Benzo(k)fluoranthene	863	---	11.4	"	"	"	46.9	89	47-132%	---	---	
Benzo(b+k)fluoranthene(s)	1830	---	22.8	"	"	1830	216	88	45-132%	---	---	
Benzo(g,h,i)perylene	668	---	11.4	"	"	913	101	62	43-134%	---	---	
Chrysene	868	---	11.4	"	"	"	162	77	50-124%	---	---	
Dibenz(a,h)anthracene	704	---	11.4	"	"	"	17.8	75	45-134%	---	---	
Fluoranthene	984	---	11.4	"	"	"	252	80	50-127%	---	---	
Indeno(1,2,3-cd)pyrene	696	---	11.4	"	"	"	101	65	45-133%	---	---	
Naphthalene	674	---	11.4	"	"	"	60.3	67	35-123%	---	---	
Phenanthrene	1040	---	11.4	"	"	"	284	82	50-121%	---	---	
Pyrene	1020	---	11.4	"	"	"	300	79	47-127%	---	---	
Surr: 2-Fluorobiphenyl (Surr)			*Recovery: 62 %*		*Limits: 44-115 %*			*Dilution: 1x*				
p-Terphenyl-d14 (Surr)			*93 %*		*54-127 %*			*"*				

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AMENDED REPORT

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

EVREN Northwest, Inc.
PO Box 14488
Portland, OR 97293

Project/#: **Coast Mirror / 351-10010-05**

Project Manager: Lynn D. Green

Reported:
08/06/15 16:42

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270D SIM

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070552 - EPA 3546							**Soil**					
Matrix Spike (5070552-MS3)						Prepared: 07/21/15 14:11		Analyzed: 07/23/15 15:44				
QC Source Sample: B21-1 (A5G0460-31RE2)												
EPA 8270D (SIM)												
Fluorene	803	---	11.4	ug/kg dry	1	913	63.6	81	43-125%	---	---	

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Project/#: **Coast Mirror / 351-10010-05**

Project Manager: Lynn D. Green

Reported:
08/06/15 16:42

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 6020 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070464 - EPA 3051A							**Soil**					
Blank (5070464-BLK1)					Prepared: 07/17/15 11:07		Analyzed: 07/17/15 19:31					
EPA 6020A												
Arsenic	ND	---	2.00	mg/kg wet	10	---	---	---	---	---	---	
Lead	ND	---	1.00	"	"	---	---	---	---	---	---	
Silver	ND	---	0.200	"	"	---	---	---	---	---	---	
LCS (5070464-BS1)					Prepared: 07/17/15 11:07		Analyzed: 07/17/15 19:34					
EPA 6020A												
Arsenic	49.3	---	2.00	mg/kg wet	10	50.0	---	99	80-120%	---	---	
Lead	50.6	---	1.00	"	"	"	---	101	"	---	---	
Silver	24.3	---	0.200	"	"	25.0	---	97	"	---	---	
Duplicate (5070464-DUP1)					Prepared: 07/17/15 11:07		Analyzed: 07/17/15 20:00					
QC Source Sample: B24 / 1 (A5G0460-07)												
EPA 6020A												
Arsenic	**4.81**	---	2.65	mg/kg dry	10	---	5.17	---	---	7	40%	
Lead	**10.3**	---	1.33	"	"	---	10.7	---	---	4	40%	
Silver	ND	---	0.265	"	"	---	ND	---	---	---	40%	
Matrix Spike (5070464-MS1)					Prepared: 07/17/15 11:07		Analyzed: 07/17/15 20:03					
QC Source Sample: B24 / 1 (A5G0460-07)												
EPA 6020A												
Arsenic	64.4	---	2.56	mg/kg dry	10	64.1	5.17	92	75-125%	---	---	
Lead	72.8	---	1.28	"	"	"	10.7	97	"	---	---	
Silver	30.7	---	0.256	"	"	32.0	ND	96	"	---	---	
Matrix Spike (5070464-MS2)					Prepared: 07/17/15 11:07		Analyzed: 07/17/15 21:01					
QC Source Sample: B32-1 (A5G0460-40)												
EPA 6020A												
Arsenic	70.3	---	2.44	mg/kg dry	10	61.0	10.3	98	75-125%	---	---	
Silver	32.1	---	0.244	"	"	30.4	2.01	99	"	---	---	
Matrix Spike (5070464-MS3)					Prepared: 07/17/15 11:07		Analyzed: 07/20/15 12:24					
QC Source Sample: B32-1 (A5G0460-40RE1)												

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Project/#: **Coast Mirror / 351-10010-05**
Project Manager: Lynn D. Green

Reported:
08/06/15 16:42

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 6020 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070464 - EPA 3051A							**Soil**					
Matrix Spike (5070464-MS3)					Prepared: 07/17/15 11:07 Analyzed: 07/20/15 12:24							
QC Source Sample: B32-1 (A5G0460-40RE1)												
EPA 6020A												
Lead	14700	---	24.4	mg/kg dry	200	61.0	12400	3860	75-125%	---	---	Q-03, Q-16

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Project/#: **Coast Mirror / 351-10010-05**

Project Manager: Lynn D. Green

Reported:
08/06/15 16:42

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 6020 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070473 - EPA 3051A							**Soil**					
Blank (5070473-BLK1)					Prepared: 07/17/15 13:32		Analyzed: 07/17/15 21:18					
EPA 6020A												
Silver	ND	---	0.200	mg/kg wet	10	---	---	---	---	---	---	
Blank (5070473-BLK2)					Prepared: 07/17/15 13:32		Analyzed: 07/20/15 13:24					
EPA 6020A												
Arsenic	ND	---	4.00	mg/kg wet	10	---	---	---	---	---	---	Q-16
Lead	ND	---	1.00	"	"	---	---	---	---	---	---	Q-16
LCS (5070473-BS1)					Prepared: 07/17/15 13:32		Analyzed: 07/17/15 21:21					
EPA 6020A												
Arsenic	52.1	---	2.00	mg/kg wet	10	50.0	---	104	80-120%	---	---	
Lead	57.2	---	1.00	"	"	"	---	114	"	---	---	
Silver	25.3	---	0.200	"	"	25.0	---	101	"	---	---	
Duplicate (5070473-DUP1)					Prepared: 07/17/15 13:32		Analyzed: 07/17/15 21:39					
QC Source Sample: B35 / 1.0 (A5G0460-19)												
EPA 6020A												
Arsenic	**5.63**	---	2.44	mg/kg dry	10	---	6.00	---	---	6	40%	
Lead	**65.9**	---	1.22	"	"	---	72.1	---	---	9	40%	
Silver	ND	---	0.244	"	"	---	0.217	---	---	***	40%	
Matrix Spike (5070473-MS1)					Prepared: 07/17/15 13:32		Analyzed: 07/17/15 21:44					
QC Source Sample: B35 / 1.0 (A5G0460-19)												
EPA 6020A												
Arsenic	64.8	---	2.34	mg/kg dry	10	58.5	6.00	100	75-125%	---	---	
Lead	123	---	1.17	"	"	"	72.1	88	"	---	---	
Silver	29.4	---	0.234	"	"	29.2	0.217	100	"	---	---	

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503-718-0333 Fax

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PO Box 14488
Portland, OR 97293

Project/#: **Coast Mirror / 351-10010-05**

Project Manager: Lynn D. Green

Reported:
08/06/15 16:42

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 6020 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070556 - EPA 3051A							**Soil**					
Blank (5070556-BLK1)					Prepared: 07/21/15 15:55		Analyzed: 07/22/15 22:39					
EPA 6020A												
Lead	ND	---	0.200	mg/kg wet	10	---	---	---	---	---	---	
Silver	ND	---	0.200	"	"	---	---	---	---	---	---	
LCS (5070556-BS1)					Prepared: 07/21/15 15:55		Analyzed: 07/22/15 22:41					
EPA 6020A												
Lead	54.8	---	0.200	mg/kg wet	10	50.0	---	110	80-120%	---	---	
Silver	26.8	---	0.200	"	"	25.0	---	107	"	---	---	
Duplicate (5070556-DUP1)					Prepared: 07/21/15 15:55		Analyzed: 07/22/15 23:08					
QC Source Sample: B16-5.5 (A5G0460-28)												
EPA 6020A												
Lead	**6.89**	---	0.259	mg/kg dry	10	---	8.11	---	---	16	40%	
Silver	ND	---	0.259	"	"	---	ND	---	---	---	40%	
Matrix Spike (5070556-MS1)					Prepared: 07/21/15 15:55		Analyzed: 07/22/15 23:11					
QC Source Sample: B16-5.5 (A5G0460-28)												
EPA 6020A												
Lead	66.9	---	0.248	mg/kg dry	10	62.1	8.11	95	75-125%	---	---	
Silver	31.0	---	0.248	"	"	31.0	ND	100	"	---	---	

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AMENDED REPORT

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

EVREN Northwest, Inc.
PO Box 14488
Portland, OR 97293

Project/#: **Coast Mirror / 351-10010-05**

Project Manager: Lynn D. Green

Reported:
08/06/15 16:42

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Metals by EPA 6020 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070578 - EPA 1311/3015							**Soil**					
Blank (5070578-BLK1)					Prepared: 07/22/15 10:10		Analyzed: 07/22/15 23:03					
1311/6020A												
Lead	ND	---	0.0500	mg/L	5	---	---	---	---	---	---	TCLP
LCS (5070578-BS1)					Prepared: 07/22/15 10:10		Analyzed: 07/22/15 23:07					
1311/6020A												
Lead	2.67	---	0.0500	mg/L	5	2.50	---	107	80-120%	---	---	TCLP
Matrix Spike (5070578-MS1)					Prepared: 07/22/15 10:10		Analyzed: 07/22/15 23:16					
QC Source Sample: B32-1 (A5G0460-40)												
1311/6020A												
Lead	49.0	---	0.0500	mg/L	5	2.50	45.3	148	50-150%	---	---	

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Project Manager: Lynn D. Green

Reported:
08/06/15 16:42

QUALITY CONTROL (QC) SAMPLE RESULTS

Percent Dry Weight

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070460 - Total Solids (Dry Weight)											**Soil**	
Duplicate (5070460-DUP5)					Prepared: 07/17/15 15:00		Analyzed: 07/20/15 09:43					
QC Source Sample: B35 / 1.0 (A5G0460-19)												
EPA 8000C												
% Solids	**85.4**	---	1.00	% by Weight	1	---	86.5	---	---	1	10%	

No Client related Batch QC samples analyzed for this batch. See notes page for more information.

Analyte	Result	MDL	Reporting Limit	Units	Dil.	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5070550 - Total Solids (Dry Weight)											**Soil**	
Duplicate (5070550-DUP1)					Prepared: 07/21/15 14:03		Analyzed: 07/22/15 09:32					
QC Source Sample: B21-1.5 (A5G0460-32)												
EPA 8000C												
% Solids	**81.5**	---	1.00	% by Weight	1	---	81.6	---	---	0.1	10%	

No Client related Batch QC samples analyzed for this batch. See notes page for more information.

Batch 5070678 - Total Solids (Dry Weight) **Soil**

No Client related Batch QC samples analyzed for this batch. See notes page for more information.

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503-718-0333 Fax

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Project/#: **Coast Mirror / 351-10010-05**

Project Manager: Lynn D. Green

Reported:
08/06/15 16:42

SAMPLE PREPARATION INFORMATION

Hydrocarbon Identification Screen by NWTPH-HCID

Prep: NWTPH-HCID (Soil)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 5070476							
A5G0460-05	Soil	NWTPH-HCID	07/16/15 11:05	07/17/15 14:56	10.41g/10mL	10g/10mL	0.96
A5G0460-13	Soil	NWTPH-HCID	07/16/15 12:55	07/17/15 14:56	10.85g/10mL	10g/10mL	0.92
A5G0460-31	Soil	NWTPH-HCID	07/16/15 11:20	07/17/15 14:56	10.21g/10mL	10g/10mL	0.98

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Prep: EPA 3546 (Fuels)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 5070583							
A5G0460-14	Soil	NWTPH-Dx	07/16/15 13:00	07/22/15 12:20	10.37g/5mL	10g/5mL	0.96
A5G0460-32	Soil	NWTPH-Dx	07/16/15 11:26	07/22/15 12:20	10.93g/5mL	10g/5mL	0.92
A5G0460-33	Soil	NWTPH-Dx	07/16/15 11:35	07/22/15 12:20	10.5g/5mL	10g/5mL	0.95
Batch: 5070687							
A5G0460-13RE1	Soil	NWTPH-Dx	07/16/15 12:55	07/24/15 15:06	11.69g/5mL	10g/5mL	0.86
A5G0460-21	Soil	NWTPH-Dx	07/16/15 09:30	07/24/15 15:06	10.68g/5mL	10g/5mL	0.94
A5G0460-22	Soil	NWTPH-Dx	07/16/15 09:35	07/24/15 15:06	11.11g/5mL	10g/5mL	0.90
A5G0460-29	Soil	NWTPH-Dx	07/16/15 10:58	07/24/15 15:06	10.85g/5mL	10g/5mL	0.92
A5G0460-30	Soil	NWTPH-Dx	07/16/15 11:06	07/24/15 15:06	11.3g/5mL	10g/5mL	0.89
A5G0460-31	Soil	NWTPH-Dx	07/16/15 11:20	07/24/15 15:06	10.83g/5mL	10g/5mL	0.92
A5G0460-34	Soil	NWTPH-Dx	07/16/15 11:42	07/24/15 15:06	11.02g/5mL	10g/5mL	0.91
A5G0460-35	Soil	NWTPH-Dx	07/16/15 11:49	07/24/15 15:06	11.86g/5mL	10g/5mL	0.84
A5G0460-38	Soil	NWTPH-Dx	07/16/15 12:57	07/24/15 15:06	10.83g/5mL	10g/5mL	0.92
A5G0460-39	Soil	NWTPH-Dx	07/16/15 13:03	07/24/15 15:06	11.69g/5mL	10g/5mL	0.86
Batch: 5080053							
A5G0460-15	Soil	NWTPH-Dx	07/16/15 13:15	08/04/15 18:22	10.37g/5mL	10g/5mL	0.96
A5G0460-16	Soil	NWTPH-Dx	07/16/15 13:20	08/04/15 18:22	11.15g/5mL	10g/5mL	0.90
A5G0460-19	Soil	NWTPH-Dx	07/16/15 13:55	08/04/15 18:22	10.75g/5mL	10g/5mL	0.93
A5G0460-20	Soil	NWTPH-Dx	07/16/15 14:00	08/04/15 18:22	11.62g/5mL	10g/5mL	0.86

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Prep: EPA 5035A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 5070387							

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503-718-0333 Fax

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PO Box 14488
Portland, OR 97293

Project/#: **Coast Mirror / 351-10010-05**

Project Manager: Lynn D. Green

Reported:
08/06/15 16:42

SAMPLE PREPARATION INFORMATION

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Prep: EPA 5035A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A5G0460-13	Soil	NWTPH-Gx (MS)	07/16/15 12:55	07/17/15 14:14	12.305g/10mL	10g/10mL	0.81
Batch: 5070548							
A5G0460-14	Soil	NWTPH-Gx (MS)	07/16/15 13:00	07/21/15 11:50	12.401g/10mL	10g/10mL	0.81
A5G0460-31	Soil	NWTPH-Gx (MS)	07/16/15 11:20	07/17/15 14:14	11.867g/10mL	10g/10mL	0.84
Batch: 5070693							
A5G0460-32	Soil	NWTPH-Gx (MS)	07/16/15 11:26	07/24/15 18:35	11.7g/10mL	10g/10mL	0.86
A5G0460-33	Soil	NWTPH-Gx (MS)	07/16/15 11:35	07/24/15 18:35	12.533g/10mL	10g/10mL	0.80
A5G0460-38	Soil	NWTPH-Gx (MS)	07/16/15 12:57	07/24/15 18:35	11.224g/10mL	10g/10mL	0.89
A5G0460-39	Soil	NWTPH-Gx (MS)	07/16/15 13:03	07/24/15 18:35	11.275g/10mL	10g/10mL	0.89

Volatile Organic Compounds by EPA 8260B

Prep: EPA 5035A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 5070387							
A5G0460-05	Soil	5035/8260B	07/16/15 11:05	07/17/15 14:14	11.086g/10mL	10g/10mL	0.90
A5G0460-13	Soil	5035/8260B	07/16/15 12:55	07/17/15 14:14	12.305g/10mL	10g/10mL	0.81
Batch: 5070548							
A5G0460-31	Soil	5035/8260B	07/16/15 11:20	07/17/15 14:14	11.867g/10mL	10g/10mL	0.84

Polychlorinated Biphenyls by EPA 8082A

Prep: EPA 3546

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 5070523							
A5G0460-13	Soil	EPA 8082A	07/16/15 12:55	07/21/15 14:07	10.25g/5mL	10g/5mL	0.98
A5G0460-31	Soil	EPA 8082A	07/16/15 11:20	07/21/15 14:07	10.56g/5mL	10g/5mL	0.95

Polyaromatic Hydrocarbons (PAHs) by EPA 8270D SIM

Prep: EPA 3546

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 5070552							
A5G0460-13	Soil	EPA 8270D (SIM)	07/16/15 12:55	07/21/15 14:11	10.52g/5mL	10g/5mL	0.95
A5G0460-31RE1	Soil	EPA 8270D (SIM)	07/16/15 11:20	07/21/15 14:11	10.43g/5mL	10g/5mL	0.96
A5G0460-31RE2	Soil	EPA 8270D (SIM)	07/16/15 11:20	07/21/15 14:11	10.43g/5mL	10g/5mL	0.96

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503-718-0333 Fax

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PO Box 14488
Portland, OR 97293

Project/#: **Coast Mirror / 351-10010-05**

Project Manager: Lynn D. Green

Reported:
08/06/15 16:42

SAMPLE PREPARATION INFORMATION

Total Metals by EPA 6020 (ICPMS)

Prep: EPA 3051A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 5070464							
A5G0460-01	Soil	EPA 6020A	07/16/15 10:05	07/17/15 11:07	0.479g/50mL	0.5g/50mL	1.04
A5G0460-03	Soil	EPA 6020A	07/16/15 10:40	07/17/15 11:07	0.483g/50mL	0.5g/50mL	1.04
A5G0460-05	Soil	EPA 6020A	07/16/15 11:05	07/17/15 11:07	0.478g/50mL	0.5g/50mL	1.05
A5G0460-07	Soil	EPA 6020A	07/16/15 11:25	07/17/15 11:07	0.456g/50mL	0.5g/50mL	1.10
A5G0460-09	Soil	EPA 6020A	07/16/15 11:50	07/17/15 11:07	0.471g/50mL	0.5g/50mL	1.06
A5G0460-11	Soil	EPA 6020A	07/16/15 12:35	07/17/15 11:07	0.499g/50mL	0.5g/50mL	1.00
A5G0460-13	Soil	EPA 6020A	07/16/15 12:55	07/17/15 11:07	0.47g/50mL	0.5g/50mL	1.06
A5G0460-15	Soil	EPA 6020A	07/16/15 13:15	07/17/15 11:07	0.468g/50mL	0.5g/50mL	1.07
A5G0460-17	Soil	EPA 6020A	07/16/15 13:35	07/17/15 11:07	0.499g/50mL	0.5g/50mL	1.00
A5G0460-21	Soil	EPA 6020A	07/16/15 09:30	07/17/15 11:07	0.51g/50mL	0.5g/50mL	0.98
A5G0460-23	Soil	EPA 6020A	07/16/15 09:44	07/17/15 11:07	0.46g/50mL	0.5g/50mL	1.09
A5G0460-25	Soil	EPA 6020A	07/16/15 10:00	07/17/15 11:07	0.47g/50mL	0.5g/50mL	1.06
A5G0460-25RE1	Soil	EPA 6020A	07/16/15 10:00	07/17/15 11:07	0.47g/50mL	0.5g/50mL	1.06
A5G0460-27	Soil	EPA 6020A	07/16/15 10:30	07/17/15 11:07	0.484g/50mL	0.5g/50mL	1.03
A5G0460-27RE1	Soil	EPA 6020A	07/16/15 10:30	07/17/15 11:07	0.484g/50mL	0.5g/50mL	1.03
A5G0460-29	Soil	EPA 6020A	07/16/15 10:58	07/17/15 11:07	0.486g/50mL	0.5g/50mL	1.03
A5G0460-29RE1	Soil	EPA 6020A	07/16/15 10:58	07/17/15 11:07	0.486g/50mL	0.5g/50mL	1.03
A5G0460-31	Soil	EPA 6020A	07/16/15 11:20	07/17/15 11:07	0.475g/50mL	0.5g/50mL	1.05
A5G0460-34	Soil	EPA 6020A	07/16/15 11:42	07/17/15 11:07	0.494g/50mL	0.5g/50mL	1.01
A5G0460-34RE1	Soil	EPA 6020A	07/16/15 11:42	07/17/15 11:07	0.494g/50mL	0.5g/50mL	1.01
A5G0460-36	Soil	EPA 6020A	07/16/15 12:30	07/17/15 11:07	0.499g/50mL	0.5g/50mL	1.00
A5G0460-36RE1	Soil	EPA 6020A	07/16/15 12:30	07/17/15 11:07	0.499g/50mL	0.5g/50mL	1.00
A5G0460-38	Soil	EPA 6020A	07/16/15 12:57	07/17/15 11:07	0.461g/50mL	0.5g/50mL	1.08
A5G0460-38RE1	Soil	EPA 6020A	07/16/15 12:57	07/17/15 11:07	0.461g/50mL	0.5g/50mL	1.08
A5G0460-40	Soil	EPA 6020A	07/16/15 13:21	07/17/15 11:07	0.458g/50mL	0.5g/50mL	1.09
A5G0460-40RE1	Soil	EPA 6020A	07/16/15 13:21	07/17/15 11:07	0.458g/50mL	0.5g/50mL	1.09
A5G0460-42	Soil	EPA 6020A	07/16/15 13:44	07/17/15 11:07	0.485g/50mL	0.5g/50mL	1.03
A5G0460-42RE1	Soil	EPA 6020A	07/16/15 13:44	07/17/15 11:07	0.485g/50mL	0.5g/50mL	1.03
Batch: 5070473							
A5G0460-19	Soil	EPA 6020A	07/16/15 13:55	07/17/15 13:32	0.479g/50mL	0.5g/50mL	1.04
Batch: 5070556							
A5G0460-10	Soil	EPA 6020A	07/16/15 11:55	07/21/15 15:55	0.488g/50mL	0.5g/50mL	1.02
A5G0460-16	Soil	EPA 6020A	07/16/15 13:20	07/21/15 15:55	0.472g/50mL	0.5g/50mL	1.06

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503-718-2323 Phone
503-718-0333 Fax

EVREN Northwest, Inc.
PO Box 14488
Portland, OR 97293

Project/#: **Coast Mirror / 351-10010-05**

Project Manager: Lynn D. Green

Reported:
08/06/15 16:42

SAMPLE PREPARATION INFORMATION

Total Metals by EPA 6020 (ICPMS)

Prep: EPA 3051A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A5G0460-20	Soil	EPA 6020A	07/16/15 14:00	07/21/15 15:55	0.465g/50mL	0.5g/50mL	1.08
A5G0460-28	Soil	EPA 6020A	07/16/15 10:38	07/21/15 15:55	0.47g/50mL	0.5g/50mL	1.06
A5G0460-32	Soil	EPA 6020A	07/16/15 11:26	07/21/15 15:55	0.475g/50mL	0.5g/50mL	1.05
A5G0460-33	Soil	EPA 6020A	07/16/15 11:35	07/21/15 15:55	0.486g/50mL	0.5g/50mL	1.03
A5G0460-37	Soil	EPA 6020A	07/16/15 12:35	07/21/15 15:55	0.467g/50mL	0.5g/50mL	1.07
A5G0460-41	Soil	EPA 6020A	07/16/15 13:30	07/21/15 15:55	0.475g/50mL	0.5g/50mL	1.05
A5G0460-43	Soil	EPA 6020A	07/16/15 13:50	07/21/15 15:55	0.506g/50mL	0.5g/50mL	0.99

TCLP Metals by EPA 6020 (ICPMS)

Prep: EPA 1311/3015

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 5070578							
A5G0460-40	Soil	1311/6020A	07/16/15 13:21	07/22/15 10:10	5mL/50mL	5mL/50mL	1.00

Percent Dry Weight

Prep: Total Solids (Dry Weight)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 5070460							
A5G0460-01	Soil	EPA 8000C	07/16/15 10:05	07/17/15 15:00	1N/A/1N/A	1N/A/1N/A	NA
A5G0460-03	Soil	EPA 8000C	07/16/15 10:40	07/17/15 15:00	1N/A/1N/A	1N/A/1N/A	NA
A5G0460-05	Soil	EPA 8000C	07/16/15 11:05	07/17/15 15:00	1N/A/1N/A	1N/A/1N/A	NA
A5G0460-07	Soil	EPA 8000C	07/16/15 11:25	07/17/15 15:00	1N/A/1N/A	1N/A/1N/A	NA
A5G0460-09	Soil	EPA 8000C	07/16/15 11:50	07/17/15 15:00	1N/A/1N/A	1N/A/1N/A	NA
A5G0460-11	Soil	EPA 8000C	07/16/15 12:35	07/17/15 15:00	1N/A/1N/A	1N/A/1N/A	NA
A5G0460-13	Soil	EPA 8000C	07/16/15 12:55	07/17/15 15:00	1N/A/1N/A	1N/A/1N/A	NA
A5G0460-15	Soil	EPA 8000C	07/16/15 13:15	07/17/15 15:00	1N/A/1N/A	1N/A/1N/A	NA
A5G0460-17	Soil	EPA 8000C	07/16/15 13:35	07/17/15 15:00	1N/A/1N/A	1N/A/1N/A	NA
A5G0460-19	Soil	EPA 8000C	07/16/15 13:55	07/17/15 15:00	1N/A/1N/A	1N/A/1N/A	NA
A5G0460-21	Soil	EPA 8000C	07/16/15 09:30	07/17/15 15:00	1N/A/1N/A	1N/A/1N/A	NA
A5G0460-23	Soil	EPA 8000C	07/16/15 09:44	07/17/15 15:00	1N/A/1N/A	1N/A/1N/A	NA
A5G0460-25	Soil	EPA 8000C	07/16/15 10:00	07/17/15 15:00	1N/A/1N/A	1N/A/1N/A	NA
A5G0460-27	Soil	EPA 8000C	07/16/15 10:30	07/17/15 15:00	1N/A/1N/A	1N/A/1N/A	NA
A5G0460-29	Soil	EPA 8000C	07/16/15 10:58	07/17/15 15:00	1N/A/1N/A	1N/A/1N/A	NA
A5G0460-31	Soil	EPA 8000C	07/16/15 11:20	07/17/15 15:00	1N/A/1N/A	1N/A/1N/A	NA

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PO Box 14488
Portland, OR 97293

Project/#: **Coast Mirror / 351-10010-05**

Project Manager: Lynn D. Green

Reported:
08/06/15 16:42

SAMPLE PREPARATION INFORMATION

Percent Dry Weight

Prep: Total Solids (Dry Weight)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A5G0460-34	Soil	EPA 8000C	07/16/15 11:42	07/17/15 15:00	1N/A/1N/A	1N/A/1N/A	NA
A5G0460-36	Soil	EPA 8000C	07/16/15 12:30	07/17/15 15:00	1N/A/1N/A	1N/A/1N/A	NA
A5G0460-38	Soil	EPA 8000C	07/16/15 12:57	07/17/15 15:00	1N/A/1N/A	1N/A/1N/A	NA
A5G0460-40	Soil	EPA 8000C	07/16/15 13:21	07/17/15 15:00	1N/A/1N/A	1N/A/1N/A	NA
A5G0460-42	Soil	EPA 8000C	07/16/15 13:44	07/17/15 15:00	1N/A/1N/A	1N/A/1N/A	NA
Batch: 5070550							
A5G0460-10	Soil	EPA 8000C	07/16/15 11:55	07/21/15 14:03	1N/A/1N/A	1N/A/1N/A	NA
A5G0460-14	Soil	EPA 8000C	07/16/15 13:00	07/21/15 14:03	1N/A/1N/A	1N/A/1N/A	NA
A5G0460-16	Soil	EPA 8000C	07/16/15 13:20	07/21/15 14:03	1N/A/1N/A	1N/A/1N/A	NA
A5G0460-20	Soil	EPA 8000C	07/16/15 14:00	07/21/15 14:03	1N/A/1N/A	1N/A/1N/A	NA
A5G0460-28	Soil	EPA 8000C	07/16/15 10:38	07/21/15 14:03	1N/A/1N/A	1N/A/1N/A	NA
A5G0460-32	Soil	EPA 8000C	07/16/15 11:26	07/21/15 14:03	1N/A/1N/A	1N/A/1N/A	NA
A5G0460-33	Soil	EPA 8000C	07/16/15 11:35	07/21/15 14:03	1N/A/1N/A	1N/A/1N/A	NA
A5G0460-37	Soil	EPA 8000C	07/16/15 12:35	07/21/15 14:03	1N/A/1N/A	1N/A/1N/A	NA
A5G0460-41	Soil	EPA 8000C	07/16/15 13:30	07/21/15 14:03	1N/A/1N/A	1N/A/1N/A	NA
A5G0460-43	Soil	EPA 8000C	07/16/15 13:50	07/21/15 14:03	1N/A/1N/A	1N/A/1N/A	NA
Batch: 5070678							
A5G0460-22	Soil	EPA 8000C	07/16/15 09:35	07/24/15 15:20	1N/A/1N/A	1N/A/1N/A	NA
A5G0460-30	Soil	EPA 8000C	07/16/15 11:06	07/24/15 15:20	1N/A/1N/A	1N/A/1N/A	NA
A5G0460-35	Soil	EPA 8000C	07/16/15 11:49	07/24/15 15:19	1N/A/1N/A	1N/A/1N/A	NA
A5G0460-39	Soil	EPA 8000C	07/16/15 13:03	07/24/15 15:19	1N/A/1N/A	1N/A/1N/A	NA

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Darrell Auvil For Darwin Thomas, Business Development Director

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AMENDED REPORT

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323 Phone
503-718-0333 Fax

EVREN Northwest, Inc.	Project/#: **Coast Mirror / 351-10010-05**	
PO Box 14488		**Reported:**
Portland, OR 97293	Project Manager: Lynn D. Green	08/06/15 16:42

Notes and Definitions

Qualifiers:

C-07	Extract has undergone Sulfuric Acid Cleanup by EPA 3665A, Sulfur Cleanup by EPA 3660B, and Florisil Cleanup by EPA 3620B in order to minimize matrix interference.
F-09	Results in the Gasoline Range are primarily due to overlap from a heavier fuel hydrocarbon product.
H-06	This sample was received, or the analysis requested, outside the recommended holding time.
M-02	Due to matrix interference, this analyte cannot be accurately quantified. The reported result is estimated.
Q-03	Spike recovery and/or RPD is outside control limits due to the high concentration of analyte present in the sample.
Q-16	Reanalysis of an original Batch QC sample.
Q-29	Recovery for Lab Control Spike (LCS) is above the upper control limit. Data may be biased high.
Q-41	Estimated Results. Recovery of Continuing Calibration Verification sample above upper control limit for this analyte. Results are likely biased high.
R-02	The Reporting Limit for this analyte has been raised to account for interference from coeluting organic compounds present in the sample.
S-01	Surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference.
S-04	Surrogate recovery is outside of established control limits due to a sample matrix effect.
S-05	Surrogate recovery is estimated due to sample dilution required for high analyte concentration and/or matrix interference.
TCLP	This batch QC sample was prepared with TCLP or SPLP fluid from preparation batch 5070558.
V-15	Sample aliquot was subsampled from the sample container. The subsampled aliquot was preserved in the laboratory within 48 hours of sampling.
V-16	Sample aliquot was subsampled from the sample container in the laboratory. The subsampled aliquot was not preserved within 48 hours of sampling.
V-21	Sample aliquot was subsampled from a sample container that had been previously opened and had sample removed for another analysis.

Notes and Conventions:

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit

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Portland, OR 97293	Project Manager: Lynn D. Green	08/06/15 16:42

NR	Not Reported
dry	Sample results reported on a dry weight basis. Results listed as 'wet' or without 'dry'designation are not dry weight corrected.
RPD	Relative Percent Difference
MDL	If MDL is not listed, data has been evaluated to the Method Reporting Limit only.
WMSC	Water Miscible Solvent Correction has been applied to Results and MRLs for volatiles soil samples per EPA 8000C.
Batch QC	Unless specifically requested, this report contains only results for Batch QC derived from client samples included in this report. All analyses were performed with the appropriate Batch QC (including Sample Duplicates, Matrix Spikes and/or Matrix Spike Duplicates) in order to meet or exceed method and regulatory requirements. Any exceptions to this will be qualified in this report. Complete Batch QC results are available upon request. In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) is analyzed to demonstrate accuracy and precision of the extraction and analysis.
Blank Policy	Apex assesses blank data for potential high bias down to a level equal to ½ the method reporting limit (MRL), except for conventional chemistry and HCID analyses which are assessed only to the MRL. Sample results flagged with a B or B-02 qualifier are potentially biased high if they are less than ten times the level found in the blank for inorganic analyses or less than five times the level found in the blank for organic analyses. For accurate comparison of volatile results to the level found in the blank; water sample results should be divided by the dilution factor, and soil sample results should be divided by 1/50 of the sample dilution to account for the sample prep factor. Results qualified as reported below the MRL may include a potential high bias if associated with a B or B-02 qualified blank. B and B-02 qualifications are not applied to J qualified results reported below the MRL.
---	QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.
***	Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND).

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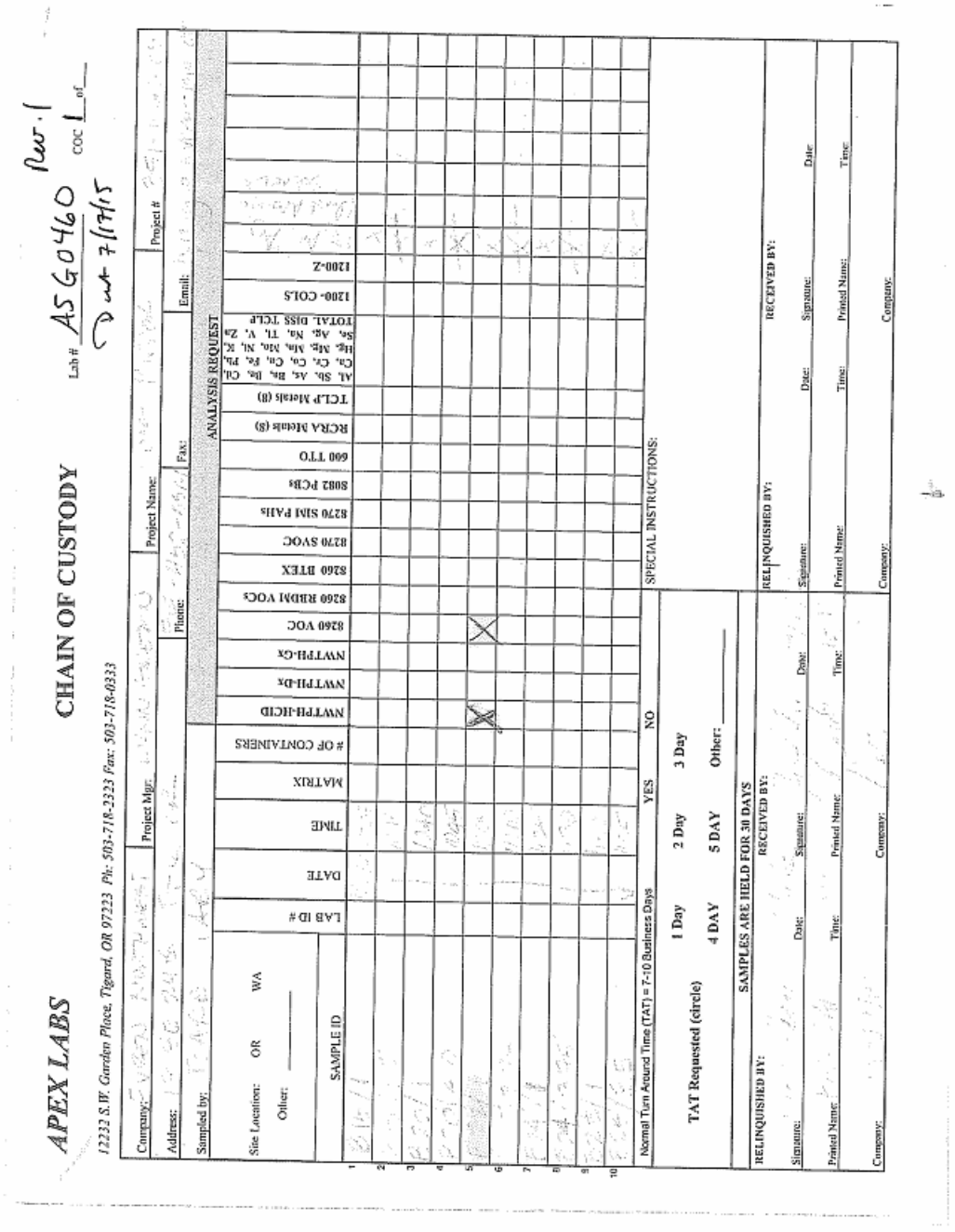

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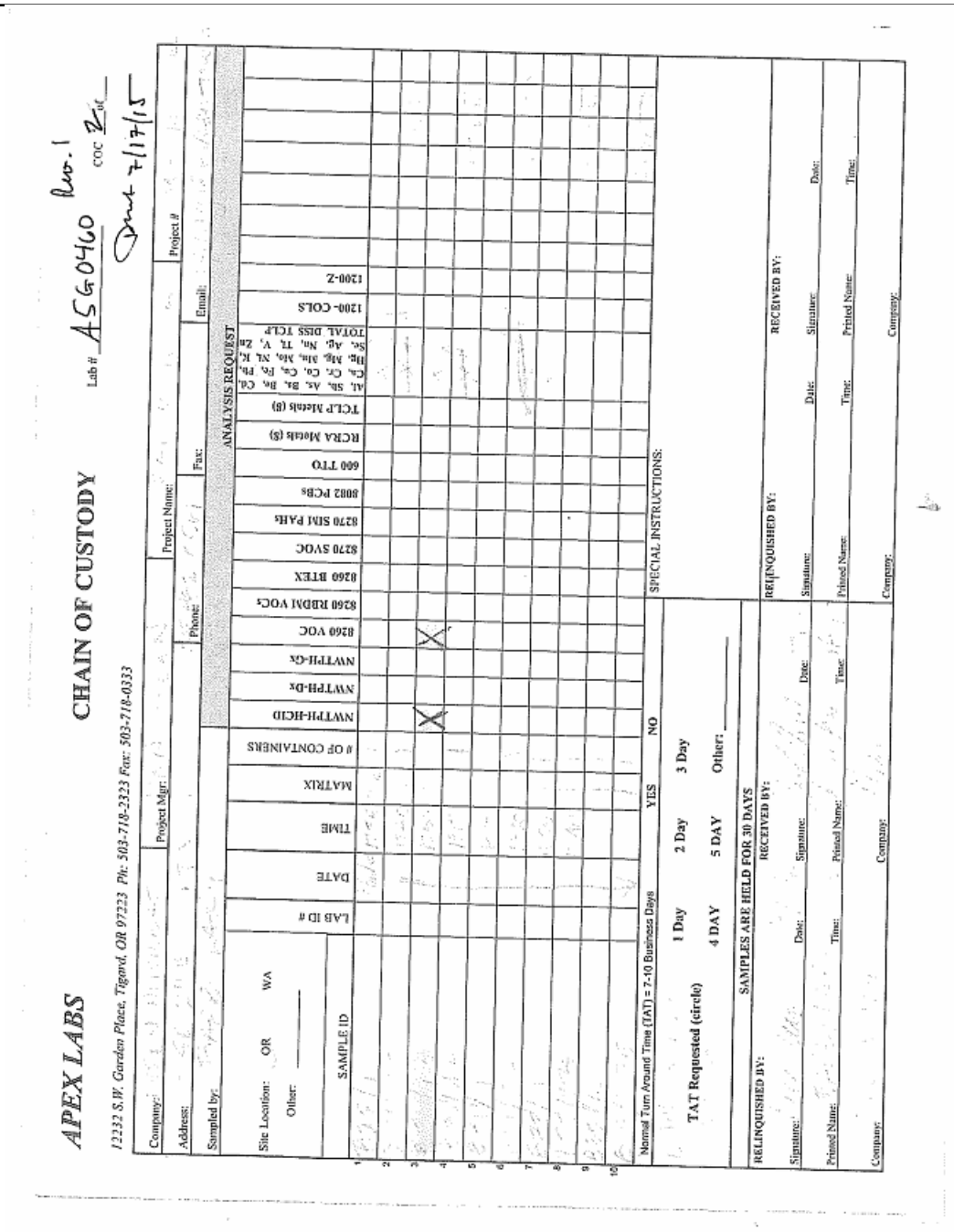

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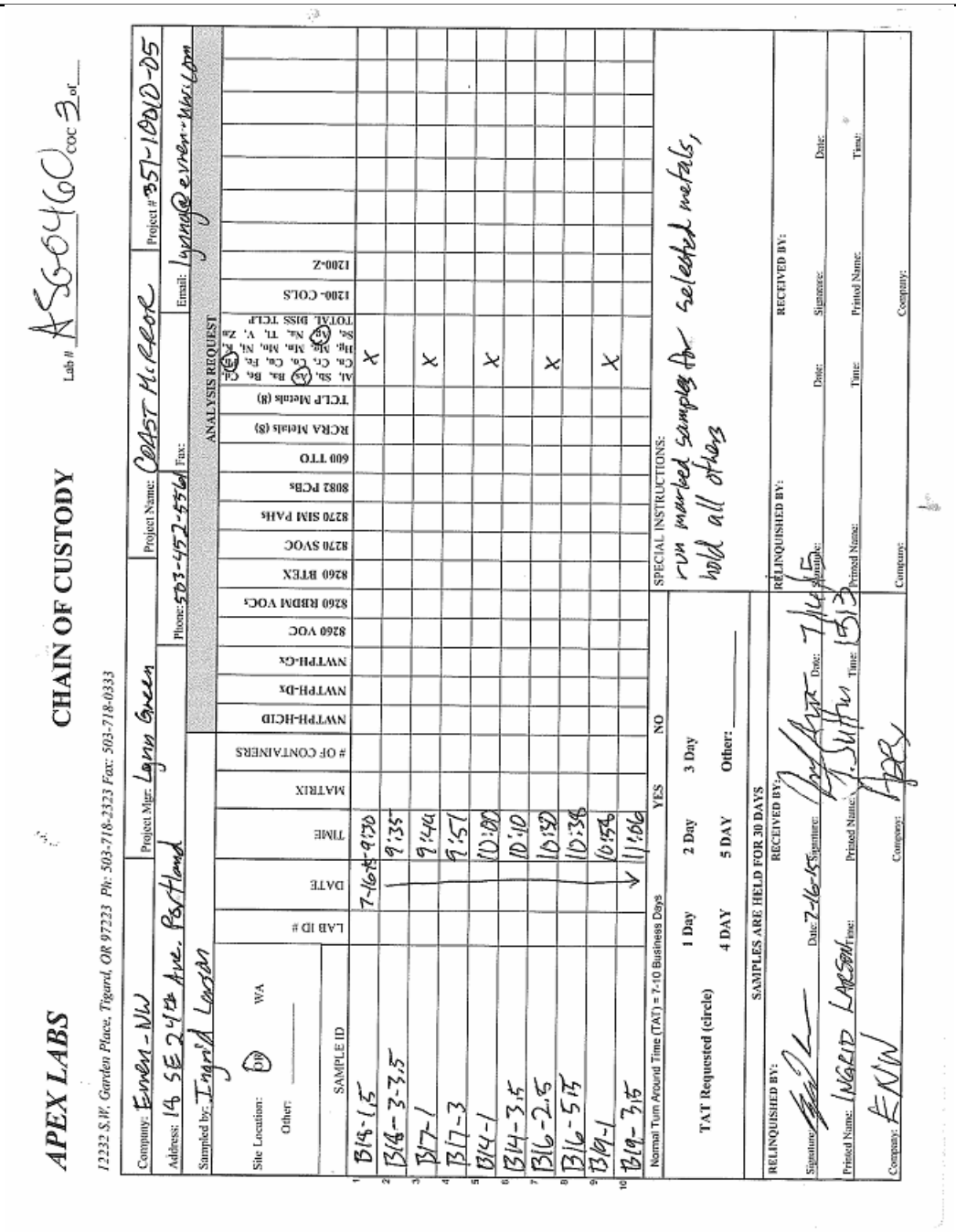

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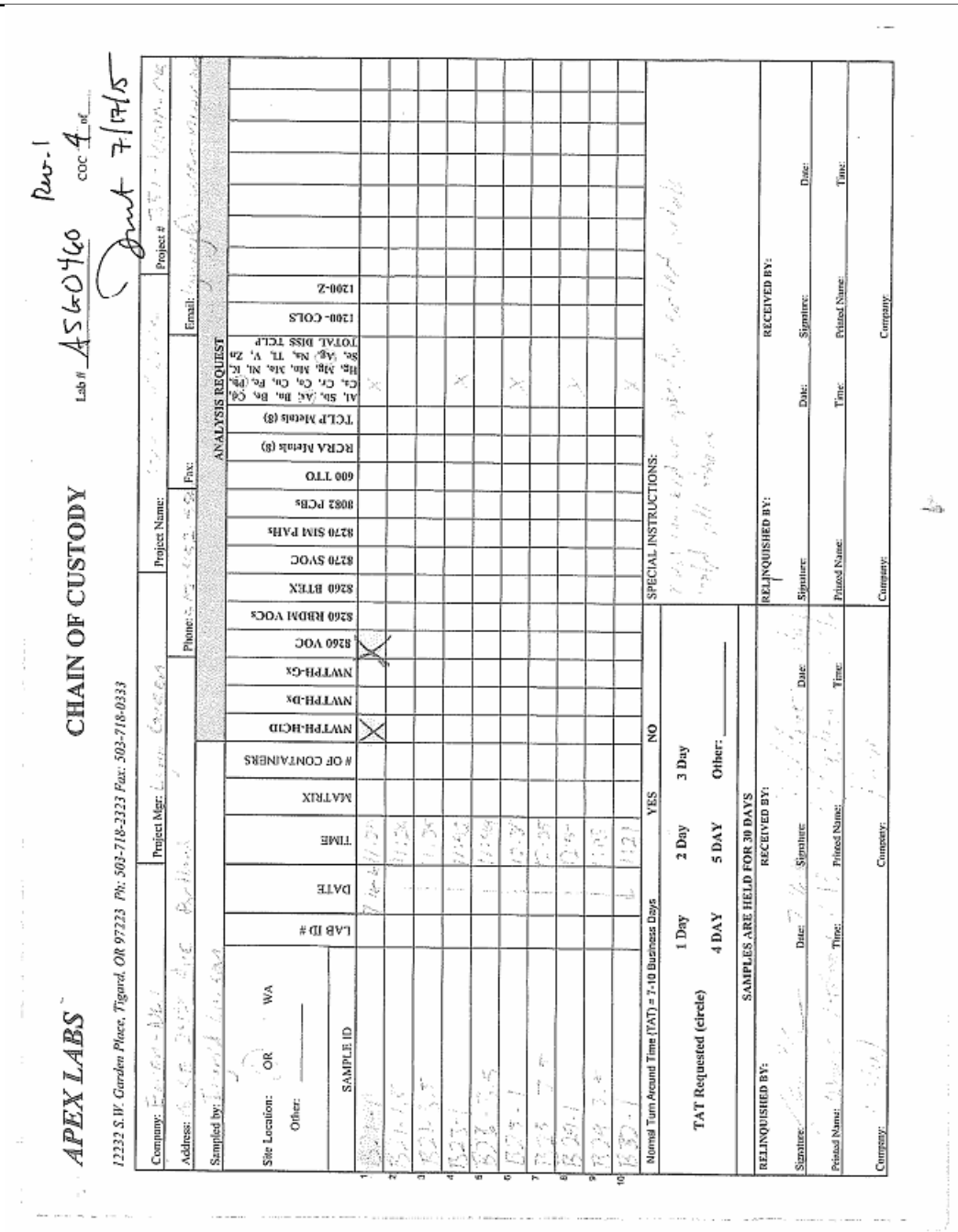

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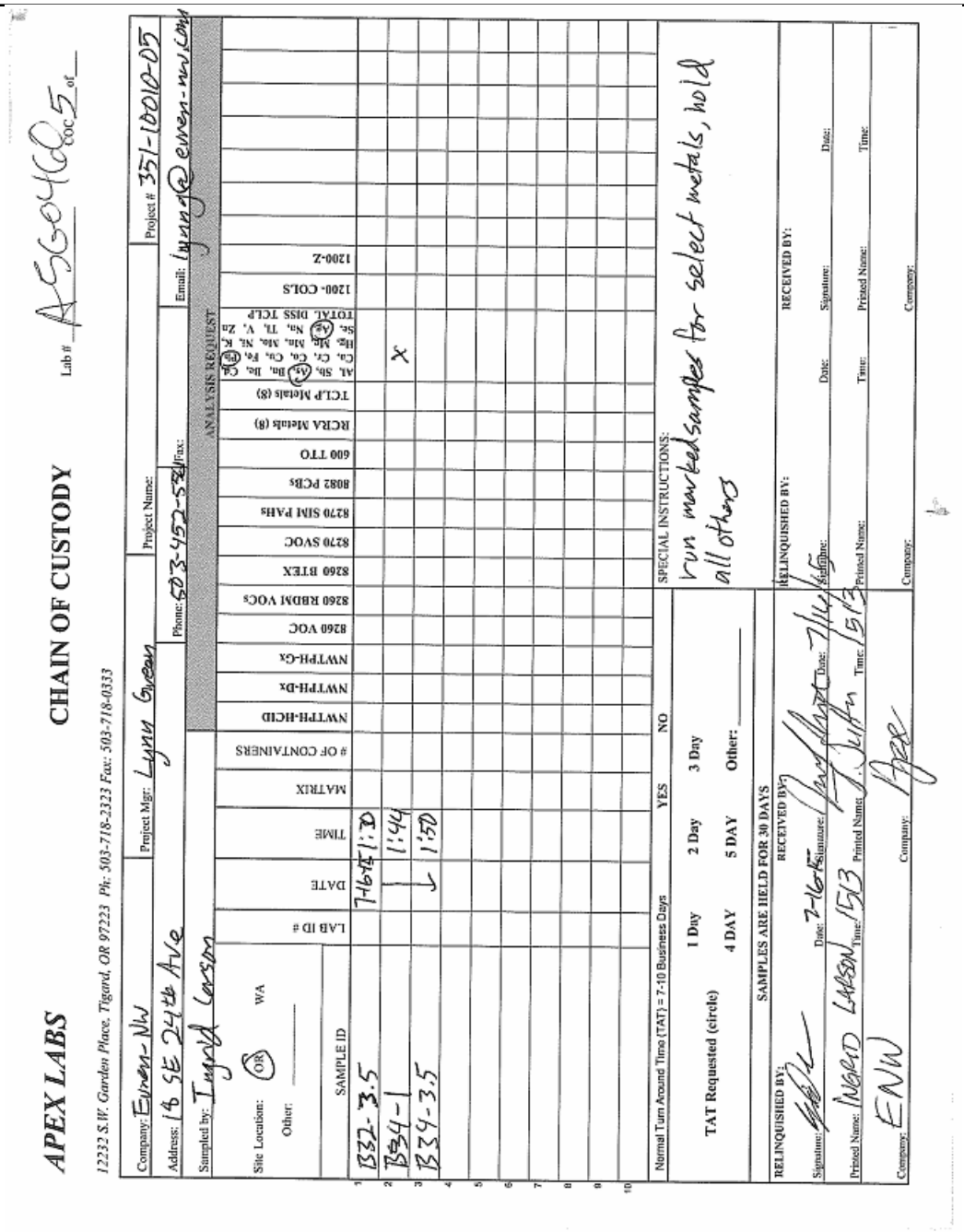

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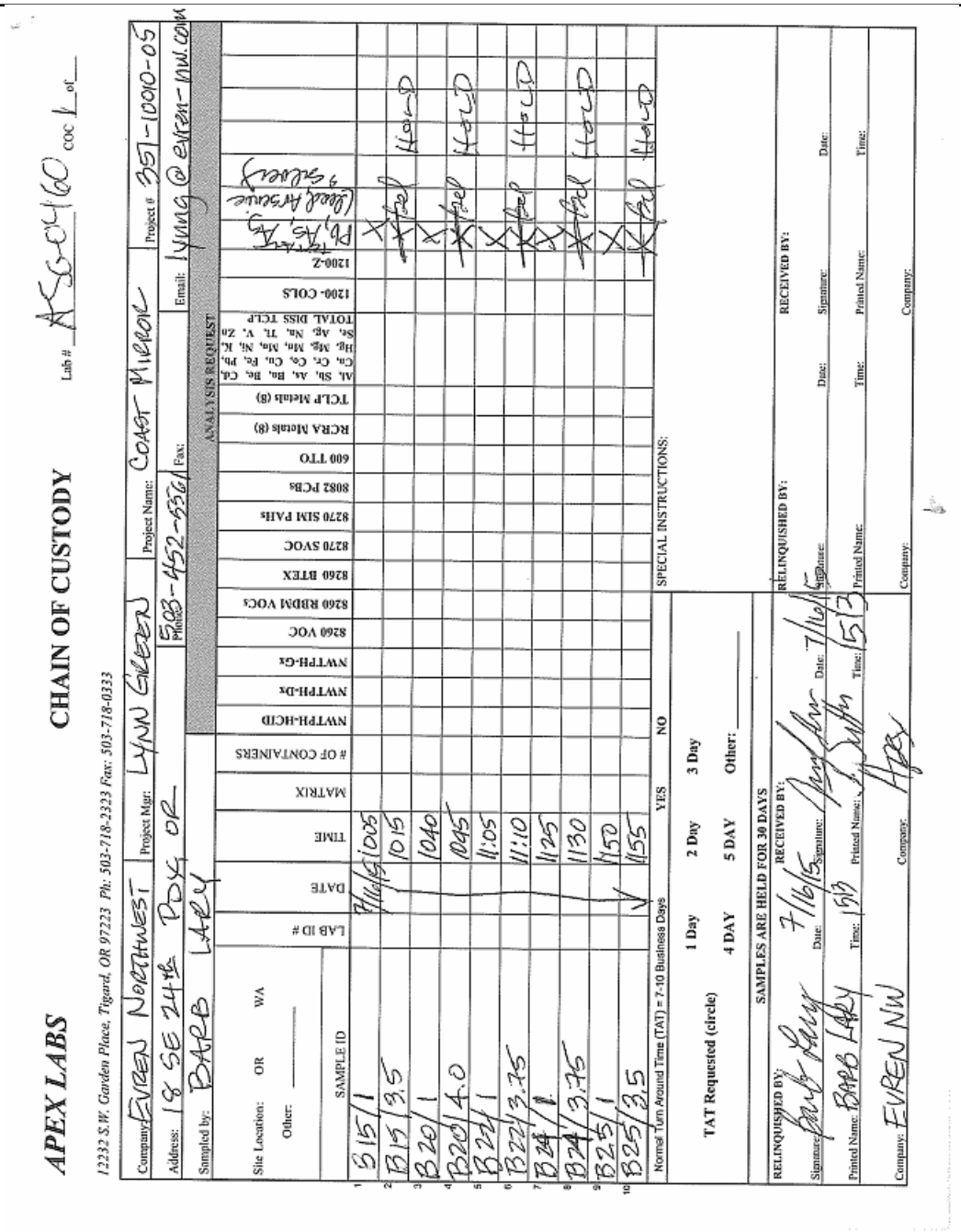

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PO Box 14488		**Reported:**
Portland, OR 97293	Project Manager: Lynn D. Green	08/06/15 16:42

APEX LABS — **CHAIN OF COUSTODY** — Lab # AS G0460 COC 2 of __

12232 S.W. Garden Place, Tigard, OR 97223 Ph: 503-718-2323 Fax: 503-718-0333

Company: EVREN NORTHWEST | Project Mgr: LYNN GREEN | Project Name: 351-10010-05 | Project #: COAST MIRROR

Address: 18 SE 24th PDX. OR | Phone: 503-452-5561 | Fax: | Email: lynng@evren-nw...

Sampled by: BARB LARY

Site Location: (OR) WA Other: ______

ANALYSIS REQUEST

#	SAMPLE ID	LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS	NWTPH-HCID	NWTPH-Dx	NWTPH-Gx	8260 VOC	8260 RBDM VOCs	8260 BTEX	8270 SVOC	8270 SIM PAHs	8082 PCBs	600 TTO	RCRA Metals (8)	TCLP Metals (8)	AL, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Hg, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Tl, V, Zn TOTAL DISS TCLP	1200- COLS	1200-Z	
1	B28/1		7/16/15	1235	SOIL	1													X			
2	B28/3.5			1240		1													~~X~~ bel			HOLD
3	B30/1.5			1255		1													X			
4	B30/4.5			1300		1													~~X~~ bel			HOLD
5	B31/1			1315		1													X			
6	B31/3.5			1320		1													~~X~~ bel			HOLD
7	B33/1			1335		1													X			
8	B33/3.75			1340		1																HOLD
9	B35/1.0					1																
10	B35/3.75					1																HOLD

Normal Turn Around Time (TAT) = 7-10 Business Days YES NO

ENW Contract

TAT Requested (circle) TAT 9 — 1 Day 2 Day 3 Day 4 DAY 5 DAY Other: ______

SPECIAL INSTRUCTIONS:

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature: [signature] Date: 7/16/15	Signature: [signature] Date: 7/15	Signature: Date:	Signature: Date:
Printed Name: BARB/LARY Time: 1513	Printed Name: J. Suthr Time: 1513	Printed Name: Time:	Printed Name: Time:
Company: EVREN NW	Company: Apex	Company:	Company:

Apex Labs

AMENDED REPORT

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Tigard, OR 97223
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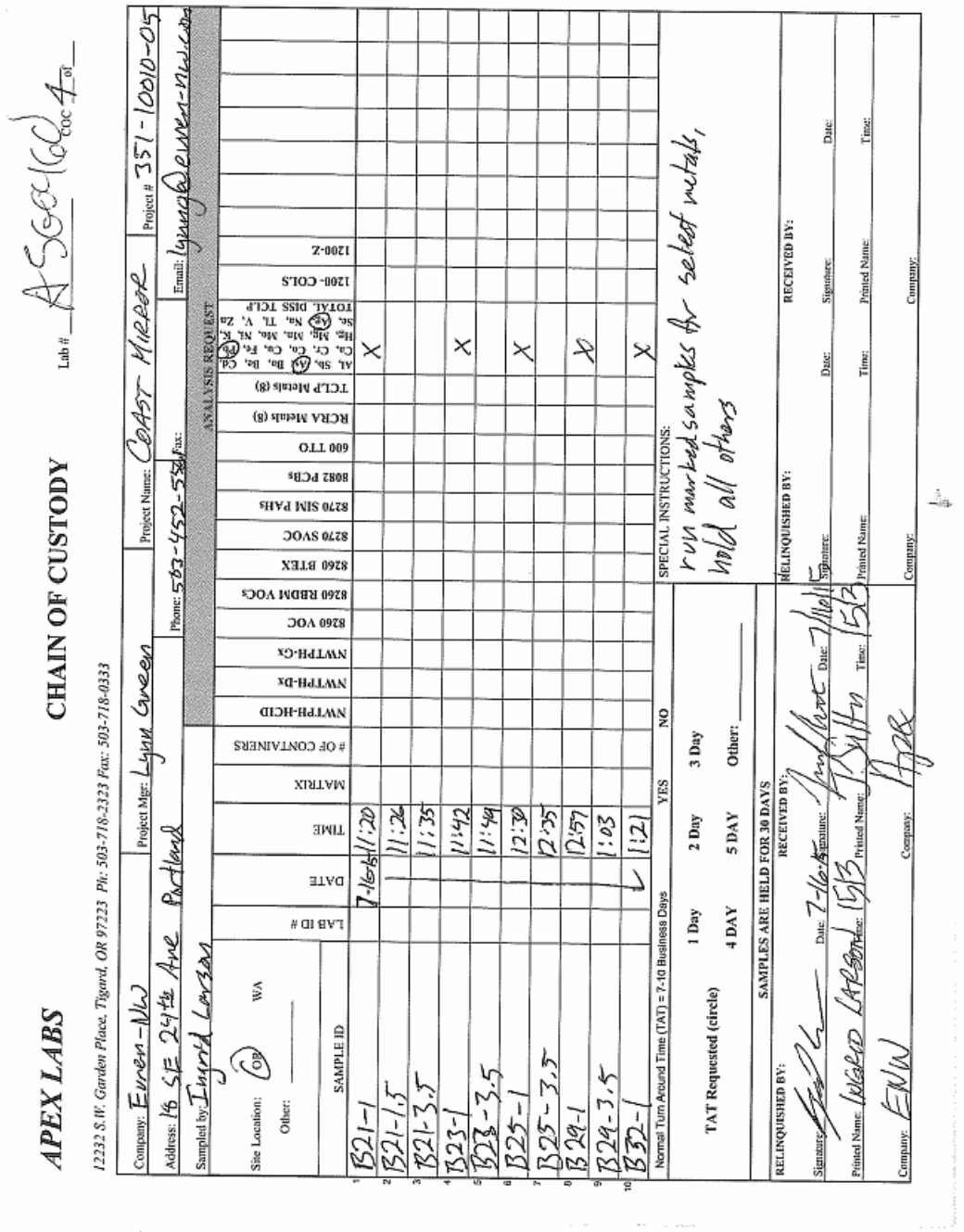
503-718-0333 Fax

EVREN Northwest, Inc.	Project/#: **Coast Mirror / 351-10010-05**	
PO Box 14488		**Reported:**
Portland, OR 97293	Project Manager: Lynn D. Green	08/06/15 16:42



APEX LABS

12232 S.W. Garden Place, Tigard, OR 97223 Ph: 503-718-2323 Fax: 503-718-0333

CHAIN OF CUSTODY

Lab # _____ COC 4 of 4

Company: Evren-NW | Project Mgr: Lynn Green | Project Name: Coast Mirror | Project # 351-10010-05

Address: 16 SE 24th Ave Portland | Phone: 503-452-5361 Fax: | Email: lynng@evren-nw.com

Sampled by: Ingrid Larson

Site Location: OR WA Other: _____

ANALYSIS REQUEST

	SAMPLE ID	LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS	NWTPH-HCID	NWTPH-Dx	NWTPH-Gx	8260 VOC	8260 RBDM VOCs	8260 BTEX	8270 SVOC	8270 SIM PAHs	8082 PCBs	600 TTO	RCRA Metals (8)	TCLP Metals (8)	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, Se, Ag, Na, Tl, V, Zn TOTAL DISS TCLP	1200- COLS	1200-Z
1	B21-1		7-16-15	11:20															X	
2	B21-1.5			11:24																
3	B21-3.5			11:35																
4	B23-1			11:42															X	
5	B23-3.5			11:49																
6	B25-1			12:30															X	
7	B25-3.5			12:35																
8	B29-1			12:57															X	
9	B29-3.5			1:03																
10	B32-1		V	1:21															X	

Normal Turn Around Time (TAT) = 7-10 Business Days — YES — NO

TAT Requested (circle): 1 Day 2 Day 3 Day 4 DAY 5 DAY Other: _____

SPECIAL INSTRUCTIONS: run marked samples for select metals, hold all others

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY: Signature: _____ Printed Name: _____ Company: EVREN

RECEIVED BY: Signature: _____ Printed Name: Ingrid Larson Company: EVREN Date: 7-16-15 Time: 1521

RELINQUISHED BY: Signature: _____ Printed Name: _____ Company: _____

RECEIVED BY: Signature: _____ Printed Name: _____ Company: _____ Date: _____ Time: _____

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