

ADDITIONAL SUBSURFACE INVESTIGATION REPORT

**GLACIER RECYCLING PROPERTY
32300 148th AVENUE SOUTHEAST
AUBURN, WASHINGTON**

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September 10, 2014

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ACRONYMS

2010 Phase I ESA	<i>Phase I Environmental Site Assessment Report and Limited Compliance Audit, Glacier Recycle, 32300 148th Avenue Southeast, Auburn, Washington 98092</i> dated September 7, 2010 prepared by SCS Engineers, Inc.
Additional SI	Additional Subsurface Investigation
ASTs	aboveground storage tanks
bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene, and xylenes
COCs	constituents of concern
Columbia	Columbia Environmental, Inc.
cPAHs	carcinogenic polycyclic aromatic hydrocarbons
DRO	total petroleum hydrocarbons as diesel-range organics
Ecology	Washington State Department of Ecology
EPA	U.S. Environmental Protection Agency
Farallon	Farallon Consulting, L.L.C.
Glacier	Glacier Recycling
Glacier Real Property	Glacier Recycle Real Property, LLC
GRO	total petroleum hydrocarbons as gasoline-range organics
Langseth	Langseth Environmental Services, Inc.
Main Building	Main Processing Equipment Maintenance Building
mg/kg	milligrams per kilogram
MTCA	Washington State Model Toxics Control Act Cleanup Regulation
ORO	total petroleum hydrocarbons as oil-range organics
Phase II SI	Phase II Subsurface Investigation
PID	photoionization detector
PQL	practical quantitation limit
RRO	residual-range organics
SCS	SCS Engineers, Inc.
Site	Glacier Recycling Property at 32300 148 th Avenue Southeast in Auburn, Washington



TEQ	toxicity equivalence quotient
TestAmerica	TestAmerica, Inc. of Tacoma, Washington
TPH	total petroleum hydrocarbons
USTs	underground storage tanks
VOCs	volatile organic compounds
WMW	Waste Management of Washington, Inc.



1.0 INTRODUCTION

Farallon Consulting, L.L.C. (Farallon) has prepared this Additional Subsurface Investigation Report on behalf of Waste Management of Washington, Inc. (WMW) to document the results of the Additional Subsurface Investigation (Additional SI) conducted at the Glacier Recycling (Glacier) Property at 32300 148th Avenue Southeast in Auburn, Washington (herein referred to as the Site) (Figure 1). The Additional SI was conducted between June 5 and June 8, 2014 in accordance with the letter regarding Revised Proposal and Cost Estimate for Additional Subsurface Investigation, Glacier Recycling Property, 32300 148th Avenue Southeast, Auburn, Washington dated May 19, 2014, prepared by Farallon (2014).

1.1 PURPOSE

The purpose of the Additional SI was to assess current environmental conditions at the Site, including: identifying potential releases of hazardous substances associated with historical operations; evaluating the potential source(s) of a release of hazardous substances identified; estimating the time frame in which a release occurred; and estimating the lateral and vertical distribution of releases identified to allow selection of appropriate cleanup alternatives and estimation of cleanup costs.

1.2 REPORT ORGANIZATION

This report summarizes pertinent background information and previous investigations completed by others, and describes the Additional SI conducted by Farallon. The report is organized into the following sections:

Section 2—Background. This section provides a summary of Site features, history, and previous investigations, and includes a description of Site geology and hydrogeology.

Section 3—Additional Subsurface Investigation Field Program. This section describes the field activities and scope of work for the Additional SI.

Section 4—Results. This section discusses the results of the Additional SI field activities and laboratory analyses.

Section 5—Conclusions. This section summarizes Farallon's conclusions pertaining to the environmental conditions at the Site based on the results of the Additional SI.

Section 6—Data Gaps. This section provides a brief discussion of the data gaps identified by Farallon following completion of the Additional SI.

Section 7—References. This section presents a list of the documents cited in this report.



2.0 BACKGROUND

This section provides a description of the Site and relevant history, a summary of previous investigations conducted at the Site, and a brief description of Site geology and hydrogeology.

2.1 SITE DESCRIPTION

The Site is located at 32300 148th Avenue Southeast in Auburn, King County, Washington, north-adjacent to Southeast 324th Street (Figure 1). The Site comprises King County Tax Parcel Nos. 215200-0075, 215200-0082, and 215200-0083, which together total approximately 25 acres (SCS Engineers, Inc. [SCS] 2010). The topography of the Site is relatively flat. Regional topography in the vicinity of the Site slopes down to the north-northwest. Big Soos Creek is approximately 0.35 mile north of the Site. Based on the results of previous investigations completed at the Site, the depth to groundwater at the Site is anticipated to be between 20 and 50 feet below ground surface (bgs).

The Site consists of the Main Processing Equipment Maintenance Building (Main Building) constructed in 1962; a concrete pad that surrounds the Main Building to the north, south, and west; a concrete drive that circles the Main Building; a truck scale approximately 100 feet west of the Main Building and another scale approximately the same distance south of the Main Building; a soil berm (earth berm) on the eastern, northeastern, and southern edges of the Site; and a large canopy directly northeast of the Main Building. There are no current operations at the Site. Based on discussions with WMW, approximately 1 to 6 feet of fill consisting primarily of crushed recycled concrete and other solid construction debris such as bricks and polished rock slabs has been placed across the Site, most recently at the end of 2013 before WMW ceased operations at Site. Historical and current Site features are depicted on Figure 2.

2.2 SITE HISTORY

Historical activities at the Site have included concrete pipe manufacturing from the early 1960s through the early 1980s, wood chipping/recycling between 1990 and 2002, and construction and demolition material recycling operations since 2006 (SCS 2010). Glacier operated on the Site from 2006 to December 2010 and performed equipment maintenance in the Main Building, and materials processing east, southeast, and north of the Main Building. WMW leases the Site and operated it from December 2010 through 2013.

The following storage tanks were removed from the Site prior to occupancy by WMW:

- Three 10,000-gallon-capacity underground storage tanks (USTs) formerly located off the southwest corner of the Main Building (Figure 2). The contents of each UST were tested prior to removal of the USTs. Laboratory analysis indicated that UST #1 contained gasoline and diesel fuel, UST #2 contained gasoline, and UST #3 contained heating oil. It cannot be determined from the information provided in the UST Removal and Independent Remedial Action Site Assessment report prepared by Columbia



Environmental, Inc. (Columbia) (1995) whether UST #1 was converted from gasoline to diesel fuel or vice versa.

- Two aboveground storage tanks (ASTs) that contained diesel fuel for vehicles used at the Site. One 12,000-gallon-capacity AST was formerly located directly northwest of the Main Building, and one 4,000-gallon-capacity AST was formerly located directly east of the Main Building.
- Three 250-gallon-capacity oil storage ASTs formerly located in the easternmost service bay inside the Main Building. Two of the ASTs contained new oil, and the other contained used oil.

According to the Phase I Environmental Site Assessment report prepared by SCS (2010) (2010 Phase I ESA), the three USTs and five ASTs were removed when Glacier discontinued use of the Site. During WMW's tenure, trucks unloaded mixed construction and demolition debris under or adjacent to the canopy in the tipper area, where the debris was transferred to the sort line that extended south of the tipper area, and was sorted and stockpiled in piles of wood, crushed concrete, plastic, asphalt roof tiles, and ferrous and non-ferrous metal (2010 Phase I ESA) (Figure 2). A wood sort line and a grinder were located in the Main Building to produce wood chips that were sold as alternative fuel. This wood chip pile was outside north of the Main Building in the same location that the previous operators used for the same material. WMW also operated a baler inside the Main Building to consolidate cardboard, paper, and plastic for shipment to end-use markets. The bales were stored both inside and outside the Main Building. The earth berm appears to have been created by prior operators before WMW's occupation of the Site in 2010. A small section of berm was added by WMW on the north side of the Site in 2014. A bone yard area located in the south and the northwest corner of the Site was used by Glacier for storage of material-processing equipment, vehicles, container boxes, and large metal items, including two empty 500-gallon USTs (2010 Phase I ESA).

2.3 PREVIOUS INVESTIGATIONS

Columbia (1995) performed a UST removal and independent remedial action site assessment at the Site in 1995 on behalf of Playtime Associates. It is unclear whether Playtime Associates was the owner or operator of the Site at the time (Columbia 1995). During the site assessment, the three 10,000-gallon USTs (USTs #1, #2, and #3) were removed, and a remedial action was performed. Approximately 90 cubic yards of petroleum-contaminated soil was excavated from the area directly southwest of the Main Building (Figure 2). Concentrations of total petroleum hydrocarbons (TPH) as diesel-range organics (DRO) detected in confirmation soil samples collected from the UST excavation sidewalls and bottoms at depths ranging from 1 to 14 feet bgs did not exceed the Washington State Model Toxics Control Act Cleanup Regulation (MTCA) cleanup standard of 200 milligrams per kilogram (mg/kg) in effect at the time. The UST excavation was completed to a depth of approximately 14 feet bgs; groundwater was not encountered. Soil samples were collected from beneath each tank, from the excavation sidewalls, and from stockpiles of excavated overburden, and were analyzed for DRO and TPH as gasoline-range organics (GRO) and as oil-range organics (ORO) by NWTPH-HCID. Based on



the analytical results, the soil samples collected from the excavated stockpiled soil from USTs #1 and #3 and from beneath UST #3 were further analyzed by Northwest Method NWTPH-Dx to quantify the DRO and ORO results. All soil sample results were less than MTCA Method A cleanup levels.

The 2010 Phase I ESA conducted at the Site in September 2010 prior to WMW's occupation of the Site included a limited compliance audit of the Glacier facility. The following recognized environmental conditions in connection with the Site were identified in the 2010 Phase I ESA report:

- The presence of residual oil staining on pavement and surface soil around the asphaltic roof tile stockpiles and in the north bone yard area; and
- Poor housekeeping in and outside the maintenance shop associated with oil storage areas, and on the concrete pad south of the service bays.

The limited compliance audit identified multiple issues with Glacier operations cited by various regulatory agencies, including but not limited to stormwater compliance, hazardous materials use and/or storage, and dust emissions.

Langseth Environmental Services, Inc. (Langseth) (2014) conducted a Phase II Site Investigation (Phase II SI) in January 2014 for Glacier Recycle Real Property, LLC (Glacier Real Property) to assess the potential for environmental impacts from previous operations at the Site. During the Phase II SI, Langseth excavated four test pits to depths ranging from 0.5 foot to 2.5 feet bgs, excavated 16 trenches to depths ranging from 1.0 foot to 6.0 feet bgs, and collected four grab surface soil samples from the four stormwater retention ponds at the Site. Sampling locations are shown on Figure 2. The Phase II SI was submitted to the Washington State Department of Ecology (Ecology) by Glacier Real Property.

Groundwater was not encountered during excavation to the maximum depth of the test pit and trench excavations of 6 feet bgs. Lead and total chromium were detected at concentrations less than the MTCA Method A cleanup levels of 250 and 19 mg/kg, respectively, in each of the 16 soil samples collected. Arsenic was detected at concentrations less than the MTCA Method A cleanup level of 20 mg/kg in 6 of the 16 soil samples analyzed. ORO was detected at a concentration of 21,600 mg/kg in a soil sample consisting of black organic-rich material collected from Trench 1 in the south-central portion of the Site. Langseth (2014) did not cite a basis for the location of Trench 1 or the potential source of the release of ORO. ORO was detected also at a concentration of 9,270 mg/kg in a soil sample collected from Trench 10, located near the tipping operation at the Site (Figure 2). Both concentrations of ORO exceeded the MTCA Method A cleanup level of 2,000 mg/kg.



2.4 GEOLOGY AND HYDROGEOLOGY

The Site is underlain by fill material consisting primarily of crushed recycled concrete and other inert recyclable debris such as bricks, and polished rock slabs from the ground surface to depths ranging from 0 to 9 feet bgs.

The geology in the vicinity of the Site consists of alluvial silt, sand, and gravel from depths ranging from 0.3 foot to 10 feet bgs deposited in streambeds and alluvial fans overlying glacial till deposited during the Vashon Stade of the Upper Pleistocene Fraser Glaciation (Walsh et al. 1987). The glacial till consists of an unsorted, unstratified, highly compacted mixture of clay, silt, sand, and gravel deposited directly by glacial ice, and locally contains outwash sand and gravel. The soil conditions encountered by Farallon were not stratified in discernible zones within the depths investigated. The maximum depth investigated was 10 feet bgs at test pit G6 (Figure 2). Based on regional topography and the proximity of Big Soos Creek, the direction of groundwater flow beneath the Site is inferred to be north-northwest. Groundwater was not encountered during the Additional SI to the maximum depth explored.



3.0 ADDITIONAL SUBSURFACE INVESTIGATION FIELD PROGRAM

The Additional SI included conducting test pitting, test trenching, and soil sampling activities at the Site to assess current Site conditions and the nature and extent of constituents of concern (COCs) in soil. COCs include DRO, ORO, carcinogenic polycyclic aromatic hydrocarbons (cPAHs), arsenic, and cadmium. As requested by WMW, Farallon did not include an evaluation of groundwater conditions or quality as part of this scope of work pending an evaluation of the vertical distribution of the COCs and potential risk to groundwater.

After submitting the results from the Phase II SI to Ecology, Glacier received an Early Notice Letter from Ecology (2014) in March 2014, in which Ecology expressed concern about historical business practices at the Site potentially allowing leachate containing COCs to infiltrate to groundwater. Groundwater has not been encountered at the Site to the maximum depth of exploration of 14 feet bgs during the Phase II SI. Additional SI test pit and test trench excavations were used to evaluate the potential vertical distribution of COCs, where encountered, and to evaluate whether investigation of groundwater quality will be necessary.

3.1 SCOPE OF WORK

The scope of work for the field investigation conducted as part of the Additional SI included the following:

- Preparing a Health and Safety Plan in accordance with MTCA and Part 1910.120 of Title 29 of the Code of Federal Regulations prior to initiating field activities;
- Performing a utility locate at the proposed boring locations using a private utility location service, and contacting the One-Call Utility Notification Center;
- Establishing a 100- by 100-foot grid across the Site (Figure 2);
- Excavating two test trenches and three test pits to verify the ORO results from the Phase II SI (Figure 2);
- Excavating 43 test pits to characterize current Site conditions in areas of concern where historical operations were conducted by WMW and others, including the areas where construction debris materials were historically stockpiled, the former bone yards, and areas surrounding the concrete pad and material sorting areas (Figure 2);
- Excavating 17 test pits in the earth berm to evaluate whether the berm represents a source of COCs (Figure 2); and
- Submitting select soil samples for laboratory analysis for the COCs.

A detailed description of the field activities is provided in the following sections.



3.2 FIELD ACTIVITIES

The Additional SI was conducted from June 5 to June 8, 2014, and included collection of soil samples from the 63 test pits and 2 test trenches excavated at the Site (Figure 2).

Before excavation commenced, a private utility location survey was conducted by Applied Professional Services, Inc. of North Bend, Washington to locate utilities. Glacier Environmental Services, Inc. of Mukilteo, Washington provided excavation services for the sampling of the test pits and test trenches.

A track-hoe excavator was used to excavate the test pits and test trenches. Soil samples collected during test pitting activities were field-screened for volatile organic vapors using a photoionization detector (PID), and were inspected for evidence (e.g., odor, sheen, staining) of petroleum hydrocarbon and other contamination. Soil conditions were logged in accordance with the Unified Soil Classification System. Soil samples were selected for analysis based on field evidence of contamination, elevated PID readings recorded, and visual evidence of staining or sheen. Representative soil samples from depths ranging from 1 foot to 8.5 feet bgs in fill material, and from 2 to 9 feet bgs in native soil were collected directly from the track-hoe bucket. Sample locations were assigned a unique identifier to distinguish the locations at which samples were collected (e.g., TP-6 for test pit 6) and, where necessary, a directional identifier (e.g., TP-7-CEN-E for test pit 7, center-east) and a grid identifier (e.g., TP-3-G4 for test pit 3, grid 4). Soil samples selected for laboratory analysis were placed into laboratory-prepared glass sample containers fitted with Teflon lids, placed on ice in a cooler, and transported to the laboratory under standard chain-of-custody protocols.

Upon completion of the sampling, the test pits and test trenches were backfilled with the excavated soil. The test pit and test trench locations are depicted on Figure 2. The logs of soil conditions encountered during the excavation of the test pits and test trenches are provided in Appendices A through C.



4.0 RESULTS

This section summarizes the results from the Additional SI conducted at the Site. The analytical results for the soil samples collected at the Site are summarized in Tables 1 through 4. Figure 2 depicts the test pit and test trench locations. Figure 3 shows soil analytical results for GRO, DRO, and ORO. Figure 4 shows soil analytical results for the total cPAH toxicity equivalence quotient (TEQ). Figure 5 shows soil analytical results for arsenic and cadmium. Figure 6 shows the approximate extent of soil with concentrations of DRO, ORO, total cPAH TEQ, arsenic, and/or cadmium exceeding MTCA Method A cleanup levels. Test pit and test trench logs are provided in Appendices A through C. A copy of the laboratory analytical reports for the soil samples is provided in Appendix D; Site photographs showing soil conditions are provided in Appendix E.

4.1 ORO VERIFICATION AND DISTRIBUTION INVESTIGATION AREA

The ORO verification and distribution investigation included excavating a northern and southern trench and three test pits in the two areas where ORO was detected at concentrations exceeding the MTCA Method A cleanup level of 2,000 mg/kg during the Phase II SI (Figure 2).

The northern trench was excavated near the former tipper area from the ground surface to approximately 9 feet bgs, the fill-native soil (till) contact, which ranged from approximately 1 foot to 8 feet bgs. Sample location test pits TP-1 through TP-6 were located in the northern trench, which was approximately 100 feet in length from north to south, with two 10- and 20-foot sections extending to the west (Figure 2).

The southern trench was excavated near the south-central edge of the Site from the ground surface to a maximum depth of 5 feet bgs to the fill-native soil contact, which was approximately 1 foot bgs. Sample location test pits TP-7-N, TP-7-CEN, TP-7-SW, TP-7-W, TP-7-CEN-E, and TP-7-E were located in the southern trench, which was approximately 70 feet in length from north to south, with one 100-foot section to the east, and one 10-foot section to the west. Test pits TP-8 through TP-10 were excavated northeast of the southern trench to a maximum depth of 7 to 8 feet bgs to the fill-native soil contact, which ranged from approximately 4 to 5.5 feet bgs (Figure 2).

4.1.1 Subsurface Conditions

During the ORO verification and distribution investigation, fill material in the northern trench, southern trench, and test pits TP-8 through TP-10 consisted of crushed concrete, rock, brick, and wood debris overlying native soil at the Site and was observed at depths ranging from 0 to 8 feet bgs. Native soil observed in the northern trench, southern trench, and test pits TP-8 through TP-10 consisted of sand and gravel with some silt, cobbles, and organic material to the maximum depth explored. No groundwater was encountered to the maximum depth explored of 9 feet bgs.



4.1.2 Analytical Results

During the ORO verification and distribution investigation, 9 soil samples were collected from test pits TP-1 through TP-6 in the northern trench area, and 23 soil samples were collected from test pits TP-7-N, TP-7-CEN, TP-7-SW, TP-7-W, TP-7-CEN-E, and TP-7-E, and TP-8 through TP-10 in the southern trench area to evaluate the lateral and vertical distribution of ORO concentrations exceeding the MTCA Method A cleanup level. Soil samples were submitted to TestAmerica, Inc. of Tacoma, Washington (TestAmerica) for analysis for the following:

- DRO and ORO by Northwest Method NWTPH-Dx;
- cPAHs by U.S. Environmental Protection Agency (EPA) Method 8270C; and/or
- Benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8260B.

These analyses will meet the requirements set forth under MTCA for a release of ORO. Farallon also selected four soil samples from the test trenches with the highest TPH detections for volatile organic compound (VOC) analyses by EPA Method 8260B.

Farallon worked with TestAmerica to characterize the specific types of petroleum products present and to evaluate whether a release is relatively recent or aged. This information is being used to evaluate whether a release(s) of ORO, if confirmed, likely occurred during the time when WMW operated at the Site from 2010 through 2013.

A summary of the analytical results for samples collected from the test pits and test trenches is provided below, in Tables 1 through 4, and on Figures 3, 4, and 5:

- **TPH and BTEX:** ORO was detected at concentrations exceeding the MTCA Method A cleanup level of 2,000 mg/kg in soil samples TP-1-G3-4.0, TP-2-G3-1.0, TP-3-G4-4.0, and TP-6-G4-5.0 collected from the northern trench at depths of 1 foot to 5 feet bgs. ORO was detected at concentrations exceeding the MTCA Method A cleanup level of 2,000 mg/kg in soil samples TP-7-CEN-E-1.5, TP-7-E-2.0, TP-7-N-1.0, TP-7-SW-1.0, and TP-8-1.5 collected from the southern trench and test pit TP-8 at depths of 1 foot to 2 feet bgs. ORO, DRO, GRO, and BTEX were not detected at concentrations exceeding the laboratory practical quantitation limits (PQLs) and/or were detected at concentrations less than MTCA Method A cleanup levels in the remainder of the soil samples analyzed.
- **cPAHs:** The total TEQ concentration for cPAHs was calculated using the appropriate TEQ Factors for the suite of cPAHs presented in Section 708(e) of Chapter 173-340 of the Washington Administrative Code, and was compared to the MTCA Method A cleanup level for soil. The calculated total cPAH TEQ exceeded the MTCA Method A cleanup level in soil samples TP-1-G3-4.0, TP-2-G3-1.0, TP-3-G4-4.0, TP-5-G4-6.0, and TP-6-G4-5.0 collected from the northern trench at depths ranging from 1 foot to 6 feet bgs. The calculated total cPAH TEQ exceeded the MTCA Method A cleanup level in soil samples TP-7-CEN-E-1.5, TP-7-N-1.0, TP-7-SW-1.0, TP-7-W-2.0, and TP-8-1.5 collected from the southern trench and test pit TP-8 at depths ranging from 1 foot to 2



feet bgs. The calculated total cPAHs TEQ did not exceed the MTCA Method A cleanup level in the remainder of the soil samples analyzed.

- **VOCs:** VOCs were not detected at concentrations exceeding the laboratory PQLs and/or were detected at concentrations less than MTCA Method A cleanup levels in soil sample TP-3-G4-4.0 collected from the northern trench at 4 feet bgs and in soil samples TP-7-CEN-E-1.5, TP-7-CEN-E-3.0, and TP-7-CEN-5.0 collected from the southern trench at depths ranging from 1.5 to 5 feet bgs.

4.2 BASELINE SITE CONDITION INVESTIGATION

The baseline Site condition investigation included excavating 43 test pits to characterize current Site conditions in areas of concern where historical operations were conducted by WMW and others, including material piles, areas surrounding the concrete pad, and in the former bone yard and storage areas in the northwestern corner of the Site (Figure 2). The test pits were excavated from the ground surface to the fill-native soil (till) contact, which ranged in depth from approximately 0.3 foot to 9 feet bgs. The fill material was observed in the areas of the former material piles and surrounding the Main Building and concrete pad. Fill was not observed at the Site entrance or in forested areas.

4.2.1 Subsurface Conditions

During the baseline Site condition investigation, fill material consisting of crushed concrete, rock, brick, and wood debris were observed overlying native soil at the Site at depths ranging from 0 to 9 feet bgs. Native soil observed in each test pit at the Site consisted of sand and gravel with some silt, cobbles, and organic material from 0.3 foot bgs to the maximum depth explored of 10 feet bgs. The fill material at test pit G6 was observed to be particularly deep, extending to a depth of 9 feet bgs. Asphalt was observed at test pits G2, H3, and H4, located in the northeastern portion of the Site, at depths of 1.5, 2.5, and 3 feet bgs, respectively. Wood chips were observed at test pits G8, I4, I5, and I7 in the eastern portion of the Site at depths ranging from 1 foot to 1.5 feet bgs. Bricks were noted at test pit G6 south of the sorting area, and at test pit H2 in the northeastern portion of the Site at depths of 8.6 and 2 feet bgs, respectively. **No groundwater was encountered to the maximum depth explored of 10 feet bgs.**

4.2.2 Analytical Results

During the baseline Site condition investigation, a total of 67 soil samples were collected from native soil at depths of 0.5 to 1 foot bgs, and from fill material where evidence of contamination was present. Soil samples were submitted to TestAmerica for analysis for:

- MTCA metals by EPA Methods 6010B/7471A; and
- Hydrocarbon identification analysis using Northwest Method NWTPH-HCID.

If TPH constituents were detected, the soil sample was further quantified for GRO by Northwest Method NWTPH-Gx and/or for DRO and ORO by Northwest Method NWTPH-Dx. If GRO, DRO, or ORO was detected in a soil sample, the sample was analyzed also for cPAHs by EPA



Method 8270C and/or for BTEX by EPA Method 8260B. Four soil samples with the highest TPH detections were analyzed also for VOCs by EPA Method 8260B.

Soil samples were collected from test pits in nearly all of the grids other than grids encompassing the Main Building area, the Site entrance, or forested areas. A summary of the analytical results for samples collected from the test pits is provided below, in Tables 1 through 4, and on Figures 3, 4, and 5:

- **TPH and BTEX:** DRO was detected at a concentration exceeding the MTCA Method A cleanup level in the soil sample collected from test pit E8 at 2.5 feet bgs. ORO was detected at concentrations exceeding the MTCA Method A cleanup level in the soil samples collected from test pits E7, E8, F3, G6, G8, G9-N, H5, H6, I6, and I7 at depths ranging from 1.5 to 2.5 feet bgs, with the exception of a depth of 8.5 feet bgs at test pit G6. DRO, ORO, GRO, and BTEX were not detected at concentrations exceeding the laboratory PQL or were detected at concentrations less than the MTCA Method A cleanup level in the remainder of the soil samples collected.
- **cPAHs:** The calculated total cPAH TEQ exceeded the MTCA Method A cleanup level in the soil samples collected from test pits E7, E8, F3, F8, G7, G9-N, H5, H6, I6, and I7 at depths ranging from 1.5 to 3.5 feet bgs. The calculated total cPAH TEQ did not exceed the MTCA Method A cleanup level in the remainder of the soil samples analyzed.
- **VOCs:** VOCs were detected at concentrations less than the MTCA Method A cleanup level and/or were not detected at concentrations exceeding the laboratory PQLs in the soil samples collected from test pits E8 and H5.
- **Metals:** Arsenic was detected at concentrations exceeding the MTCA Method A cleanup level in the soil samples collected from test pits H6 and I6 at 1.5 feet bgs. Arsenic, cadmium, lead, and mercury were not detected at concentrations exceeding the laboratory PQLs and/or were detected at concentrations less than MTCA Method A cleanup levels in the remainder of the soil samples analyzed. Total chromium was detected in 27 soil samples at concentrations ranging from 19 to 220 mg/kg, which is at or exceeding the MTCA Method A cleanup level for hexavalent chromium of 19 mg/kg. Based on historical operations at the Site and the results from the Phase II SI, during which hexavalent chromium was not detected in the three soil samples analyzed, hexavalent chromium is not expected to be present at the Site, and was not analyzed.

4.3 EARTH BERM INVESTIGATION

The earth berm is located at the southern, eastern, and northeastern edges of the Site. 17 test pits were excavated along the earth berm to assess whether the fill material used to construct the berm contains COCs exceeding MTCA Method A cleanup levels (Figure 2). The earth berm was approximately 10 to 13 feet above the ground surface.



4.3.1 Subsurface Conditions

The earth berm consists of a mixture of silt, sand, gravel, and organic material; and debris fill such as Styrofoam, plastic bottles, wood chips, fabric, and metals to the maximum depth explored of 6 feet below the top of the berm. No groundwater was encountered to the maximum depth explored of 6 feet below the top of the berm.

4.3.2 Analytical Results

During the earth berm investigation, a total of 17 soil samples were collected from the farthest extent of the excavation into the berm, and 1 additional soil sample was collected from test pit H1, where evidence of contamination was detected. One soil sample from each test pit was submitted to TestAmerica for analysis for the following:

- Hydrocarbon identification analysis using Northwest Method NWTPH-HCID; and
- MTCA metals by EPA Methods 6010B/7471A.

If TPH constituents were detected, the soil sample was further quantified for GRO by Northwest Method NWTPH-Gx and/or for DRO and ORO by Northwest Method NWTPH-Dx. If GRO, DRO, or ORO was detected, the sample was analyzed also for cPAHs by EPA Method 8270C and for BTEX by EPA Method 8260B.

A summary of the analytical results for samples collected from the test pits is provided below, in Tables 1 through 4, and on Figures 3, 4, and 5:

- **TPH and BTEX:** ORO was detected at concentrations exceeding the MTCA Method A cleanup level in the soil samples collected from test pits B9, C9, D9, F9, H9, I1, J2, J4, J5, J6, and J7 at depths ranging from 5 to 6 feet below the top of the berm. ORO, DRO, GRO, and BTEX were not detected at concentrations exceeding the laboratory PQLs and/or were detected at concentrations less than MTCA Method A cleanup levels in the remainder of the test pit soil samples analyzed.
- **cPAHs:** The calculated total cPAH TEQ exceeded the MTCA Method A cleanup level for the soil samples collected from test pits I1, J2, J4, J5, and J6 at depths ranging from 5 to 6 feet from the top of the berm. The calculated total cPAHs TEQ did not exceed the MTCA Method A cleanup level for the soil sample collected from test pit J7 at a depth of 5 feet below the top of the berm.
- **Metals:** Arsenic was detected at concentrations exceeding the MTCA Method A cleanup level in soil samples collected from test pits C9, F9, and J5 at a depth of 5 feet below the top of the berm. Cadmium was detected at a concentration exceeding the MTCA Method A cleanup level in test pit F9 at a depth of 5 feet below the top of the berm. Arsenic, cadmium, lead, and mercury were not detected at concentrations exceeding the laboratory PQLs and/or were detected at concentrations less than MTCA Method A cleanup levels in the remainder of the test pits soil samples analyzed. Total chromium was detected in each soil sample collected from the earth berm at concentrations ranging from 19 to 58



mg/kg, which is at or exceeds the MTCA Method A cleanup level for hexavalent chromium of 19 mg/kg. Based on historical operations at the Site and the results of the Phase II SI, during which hexavalent chromium was not detected in the three soil samples analyzed, hexavalent chromium is not expected to be present at the Site, and was not analyzed.

4.4 TPH CHROMATOGRAM EVALUATION

TestAmerica reviewed the TPH chromatograms for the 31 soil samples in which DRO and/or ORO exceeded MTCA Method A cleanup levels, to evaluate the type of TPH present and the relative degree of TPH weathering for each sample. A copy of the laboratory analytical report for the TPH chromatogram evaluation is provided in Appendix F.

TestAmerica first reviewed the chromatograms to evaluate the type(s) of TPH present in each sample, and whether common patterns existed. TestAmerica identified the following three primary TPH patterns associated with the 31 soil samples:

- **ORO within carbon range C20 – C36.** ORO from carbon range C24 – C36 was quantified and reported as motor oil. The petroleum product in the C20 – C24 range falls within the DRO range, but TestAmerica indicated that no diesel fuel is present in the samples, and that TPH in the C20 – C24 range is associated with the motor oil present in the samples.
- **ORO plus residual-range organics (RRO) within carbon range C24 – C50.** ORO within carbon range C24 – C36 was quantified and reported as motor oil as above. RRO in carbon range C36 – C50 was not quantified or reported as TPH, but is apparent in the TPH chromatograms.
- **Refined petroleum products with various compositions within carbon range C26 – C30, but with limited overlapping response in DRO carbon range C10 – C24.**

Secondary patterns included apparent mixing of refined petroleum products with ORO plus RRO, suggesting the presence of multiple petroleum products in some areas where TPH was identified.

Following identification of the primary TPH patterns, TestAmerica evaluated the relative degree of weathering of the primary TPH patterns for each of the 31 soil samples, and categorized them as “little or none,” “slight to moderate,” or “moderate to heavy” to facilitate interpretation of the relative age of a release. The specific age of a release cannot be determined without more-detailed forensic analysis.

4.4.1 ORO Verification and Distribution Investigation Area

The results from the TPH chromatogram evaluation for the ORO verification and distribution investigation area are presented below by trench area (Figure 2).



4.4.1.1 Northern Trench Soil Samples

TPH patterns for the four soil samples evaluated from northern trench sample location test pits TP-1, TP-2, TP-4, and TP-6 were an inconsistent mixture of the various TPH patterns, suggesting releases of multiple petroleum products. All three categories of relative degree of weathering, from little to none to moderate to heavy, were represented, suggesting a range of time frames for the releases.

4.4.1.2 Southern Trench Soil Samples

TPH patterns for the five soil samples evaluated from sample location test pits TP-7-SW, TP-7-E, TP-7-N, TP-7-CEN-E, and TP-8 in the southern trench area were categorized as ORO/RRO with refined product or as ORO, suggesting that a release of ORO and other petroleum products in the ORO range is present. All three categories of relative degree of weathering were represented, and appear to be related to the depth of the sample, with the degree of weathering increasing with depth.

4.4.2 Baseline Investigation Soil Samples

TPH patterns for the 10 soil samples evaluated from the baseline investigation test pits located south, east, and north of the Main Building were an inconsistent mixture of the various TPH patterns, suggesting releases of multiple petroleum products. The relative degree of weathering was evaluated as little to none or slight to moderate, with no apparent correlation with sample depth, suggesting various time frames for the releases.

4.4.3 Earth Berm Soil Samples

TPH patterns for the 12 soil samples evaluated from the earth berm test pits located on the southern, eastern, and northeastern edges of the Site were an inconsistent mixture of the various TPH patterns, suggesting releases of multiple petroleum products. The relative degree of weathering was evaluated as little to none or slight to moderate, with no apparent correlation with sample depth, suggesting various time frames for the releases.



5.0 CONCLUSIONS

DRO, ORO, the total cPAH TEQ, arsenic, and cadmium were detected at concentrations exceeding MTCA Method A cleanup levels in soil samples collected for the Additional SI. According to TestAmerica, the DRO detected is associated with overlap from the ORO products present and does not represent a release of diesel-type petroleum products. The other COCs were not detected at concentrations exceeding laboratory reporting limits, or were detected at concentrations less than MTCA Method A cleanup levels in soil samples collected for the Additional SI. Figure 6 depicts the estimated lateral distribution of COCs exceeding MTCA Method A cleanup levels for soil.

The vertical distribution appears to be limited to depths of less than or equal to 5 feet bgs where the vertical distribution of COCs was established during this investigation, with the exception of test pit G6, where COCs were detected at 8.5 feet bgs. Based on the limited vertical extent of the releases and the primary COCs being oil and/or metals, it appears unlikely that groundwater beneath the Site has been impacted by COCs.

In general, no consistent discernible pattern could be distinguished regarding type of TPH or relative degree of weathering. The presence of multiple TPH patterns showing varying degrees of weathering suggests the potential for multiple releases at different times in the various areas where TPH was detected in soil. Determination of the age of TPH releases is outside the scope of services that TestAmerica provides. A more-detailed forensic evaluation would be necessary to estimate the age of the TPH releases detected at the Site.



6.0 DATA GAPS

Based on the results from the Additional SI completed in June 2014, Farallon has identified the following data gaps:

- The extent of ORO and cPAHs in soil north of test pit E7 has not been determined due to the presence of a concrete pad that restricts access to the area.
- The extent of ORO in soil south of test pit F3 has not been determined due to the presence of a concrete pad that restricts access to the area.
- The extent of ORO, cPAHs, and arsenic in soil east of test pits I6 and I7 has not been determined due to the presence of a concrete pad that restricts access to the area.
- The extent of ORO and cPAHs in soil west of the tipper area in the vicinity of the northern trench has not been determined due to the presence of a concrete pad that restricts access to areas directly south and west.
- The extent of DRO, ORO, and cPAHs in soil at the southern end of the southern trench and east of test pits I6 and I7 has not been determined due to the earth berm, which restricts access to the south and east.
- The extent of cPAHs in soil in the southern ORO verification area at test pit TP-7-W has not been determined due to trees that restrict access to the west.
- The vertical extent of ORO in soil at test pits G6 and G8 at depths below 8.5 and 1.5 bgs, respectively, has not been determined. The soil samples collected from below 8.5 and 1.5 feet bgs were not analyzed because the NWTPH- HCID Method detected ORO at concentrations less than the MTCA Method A cleanup level. However, when the ORO results were quantified using Northwest Method NWTPH-Dx, ORO was detected at concentrations exceeding the MTCA Method A cleanup level.

Farallon anticipates that the lateral and vertical distribution of COCs likely is limited based on the releases being primarily ORO and metals, with limited to no VOCs. If excavation of affected soil was selected as a preferred cleanup alternative, the data gaps above could be addressed at the time of the cleanup action.



7.0 BIBLIOGRAPHY

- Columbia Environmental, Inc. 1995. *UST Removal and Independent Remedial Action Site Assessment for Property Located at 32300 148th Avenue Southeast, Auburn, Washington 98002*. Prepared for Playtime Associates. August.
- Farallon Consulting, Inc. (Farallon). 2014. Letter Regarding Revised Proposal and Cost Estimate for Additional Subsurface Investigation, Glacier Recycling Property, 32300 148th Avenue Southeast, Auburn, Washington. From Emerald Erickson-Mulanax and Amy Essig Desai. To Nick Harbert, Waste Management of Washington, Inc. May 19.
- Langseth Environmental Service, Inc. (Langseth). 2014. *Phase II Site Investigation, Test Pit and Soil Sampling Project, Glacier Recycle Real Property, LLC, 32300 148th Avenue Southeast, Auburn, Washington 98092*. Prepared for Glacier Recycle Real Property, LLC. January 17.
- SCS Engineers, Inc. (SCS). 2010. *Phase I Environmental Site Assessment Report and Limited Compliance Audit, Glacier Recycle, 32300 148th Avenue Southeast, Auburn, Washington 98092*. Prepared for Waste Management of Washington. September 7.
- Walsh, Timothy J., Michael A. Korosec, William M. Phillips, Robert L. Logan, and Henry W. Schasse. 1987. *Geology Map of Washington – Southwest Quadrant*. Washington Division of Geology and Earth Resources, Geologic Map GM-34.
- Washington State Department of Ecology (Ecology). 2014. Letter Regarding Early Notice Letter: Facility Site #21135, Glacier Recycle, 32300 148th Avenue Southeast, Auburn, Washington 98092. From Louise Bardy to Mr. Larry Wilson, Glacier Recycle Real Property, LLC. March 18.

FIGURES

ADDITIONAL SUBSURFACE INVESTIGATION REPORT

Glacier Recycling Property
32300 148th Avenue Southeast
Auburn, Washington

Farallon PN: 870-002



REFERENCE: 7.5 MINUTE USGS QUADRANGLE AUBURN, WASHINGTON. DATED 1953 AND PHOTOREVISED 1981

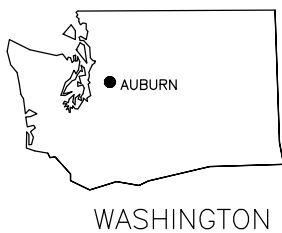


FIGURE 1

SITE VICINITY MAP
GLACIER RECYCLING PROPERTY
32300 148th AVENUE SE
AUBURN, WASHINGTON

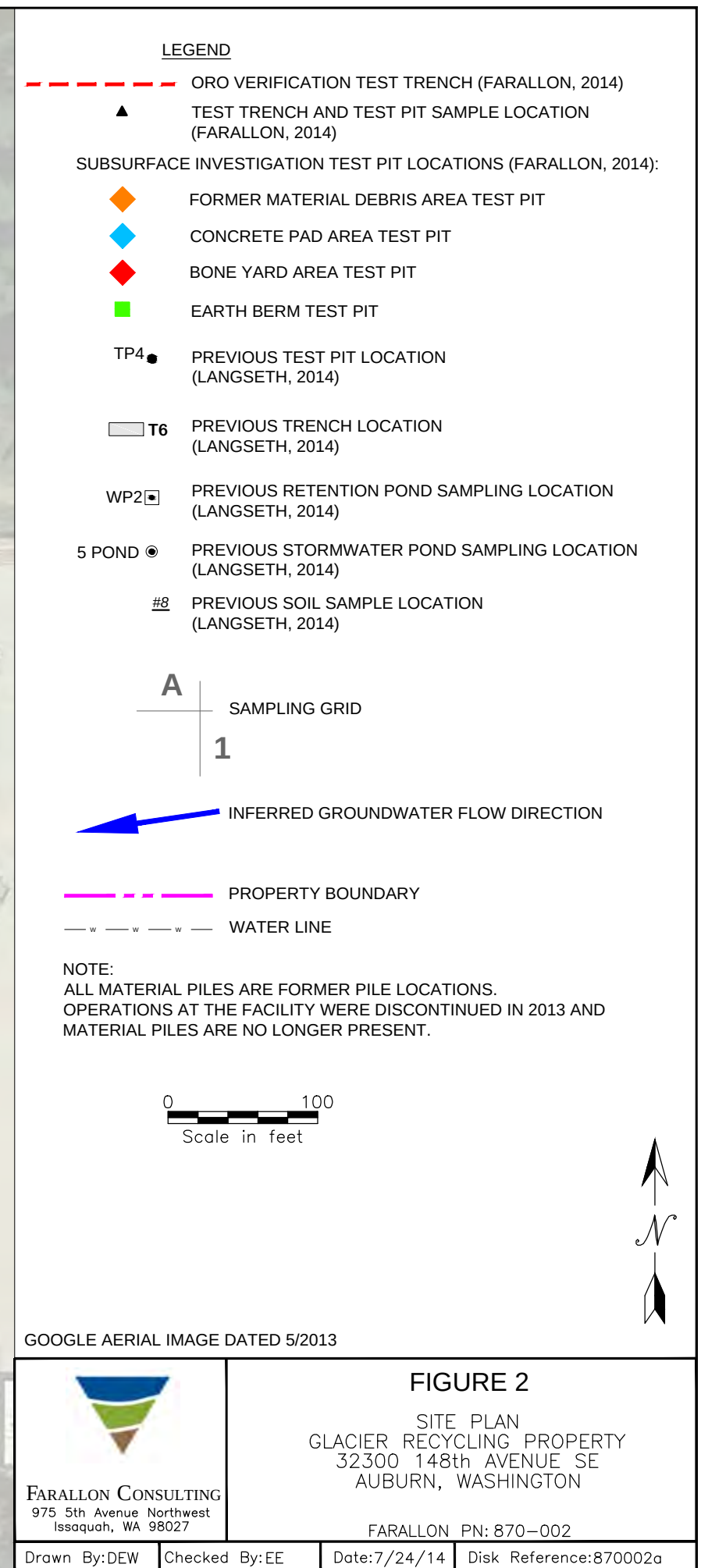
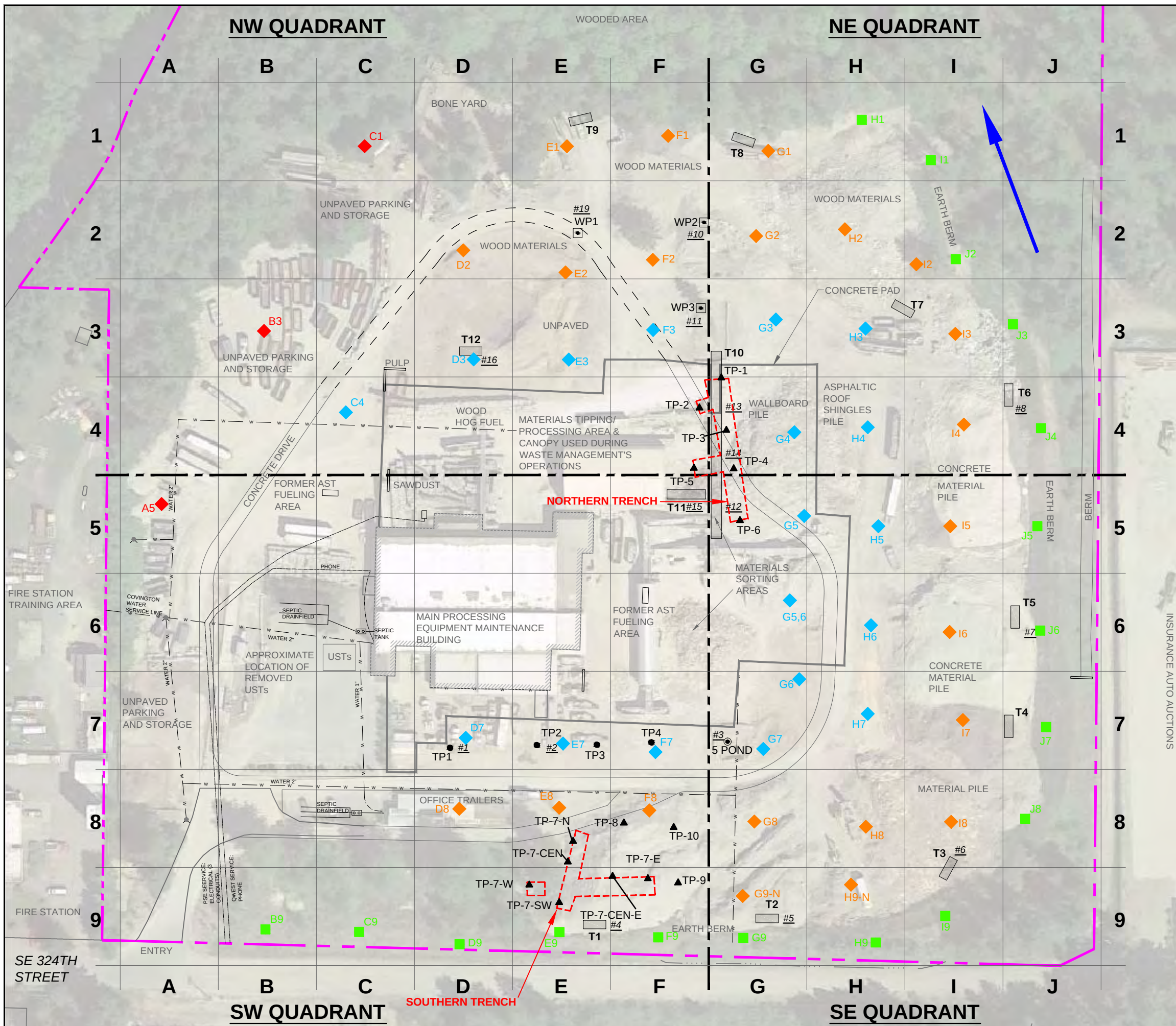
FARALLON PN: 870-002

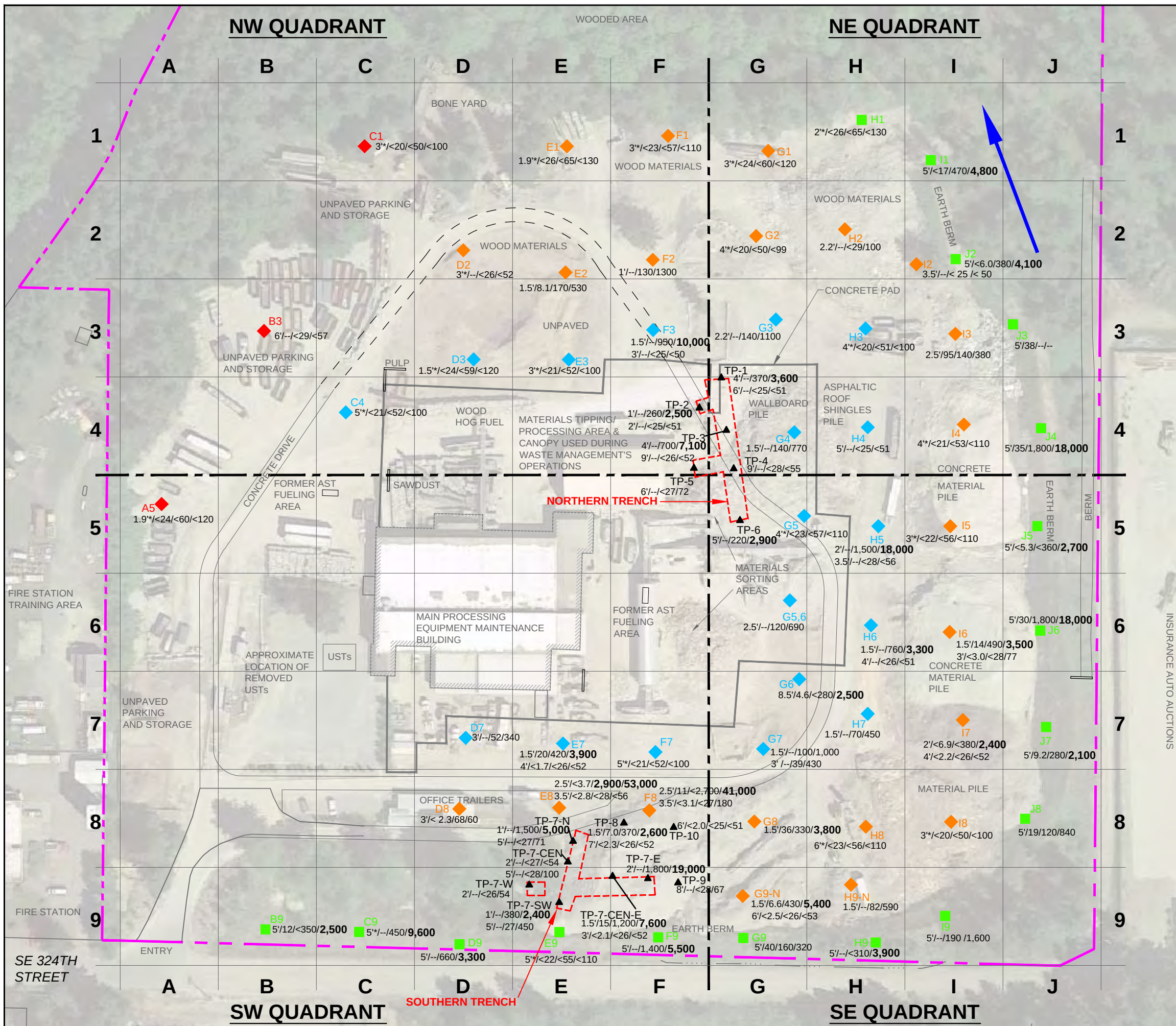
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Checked By: EE

Date: 3/24/14

Disk Reference: 870-002





LEGEND

--- ORO VERIFICATION TEST TRENCH (FARALLON, 2014)

▲ TEST TRENCH AND TEST PIT SAMPLE LOCATION (FARALLON, 2014)

SUBSURFACE INVESTIGATION TEST PIT LOCATIONS (FARALLON, 2014):

- FORMER MATERIAL DEBRIS AREA TEST PIT
- CONCRETE PAD AREA TEST PIT
- BONE YARD AREA TEST PIT
- EARTH BERM TEST PIT

17.4'<30/<60/<6.9 = SOIL SAMPLE DEPTH BGS/GRO/DRO/ORO

SOIL RESULTS IN MILLIGRAMS PER KILOGRAM (mg/kg)

BGS = BELOW GROUND SURFACE
HCID = HYDROCARBON IDENTIFICATION
GRO = TOTAL PETROLEUM HYDROCARBONS (TPH) AS GASOLINE-RANGE ORGANICS
ORO = TPH AS OIL-RANGE ORGANICS
DRO = TPH AS DIESEL-RANGE ORGANICS
BOLD = EXCEEDS MTCA METHOD A CLEANUP LEVELS
< = INDICATES CONCENTRATIONS NOT DETECTED ABOVE THE STATED LABORATORY PRACTICAL QUANTITATION LIMIT
--- = NOT ANALYZED
* = ANALYZED BY NWT PH-HCID METHOD

A | SAMPLING GRID
1

INFERRED GROUNDWATER FLOW DIRECTION

PROPERTY BOUNDARY

WATER LINE

NOTE:
ALL MATERIAL PILES ARE FORMER PILE LOCATIONS. OPERATIONS AT THE FACILITY WERE DISCONTINUED IN 2013 AND MATERIAL PILES ARE NO LONGER PRESENT.

0 100
Scale in feet

GOOGLE AERIAL IMAGE DATED 5/2013

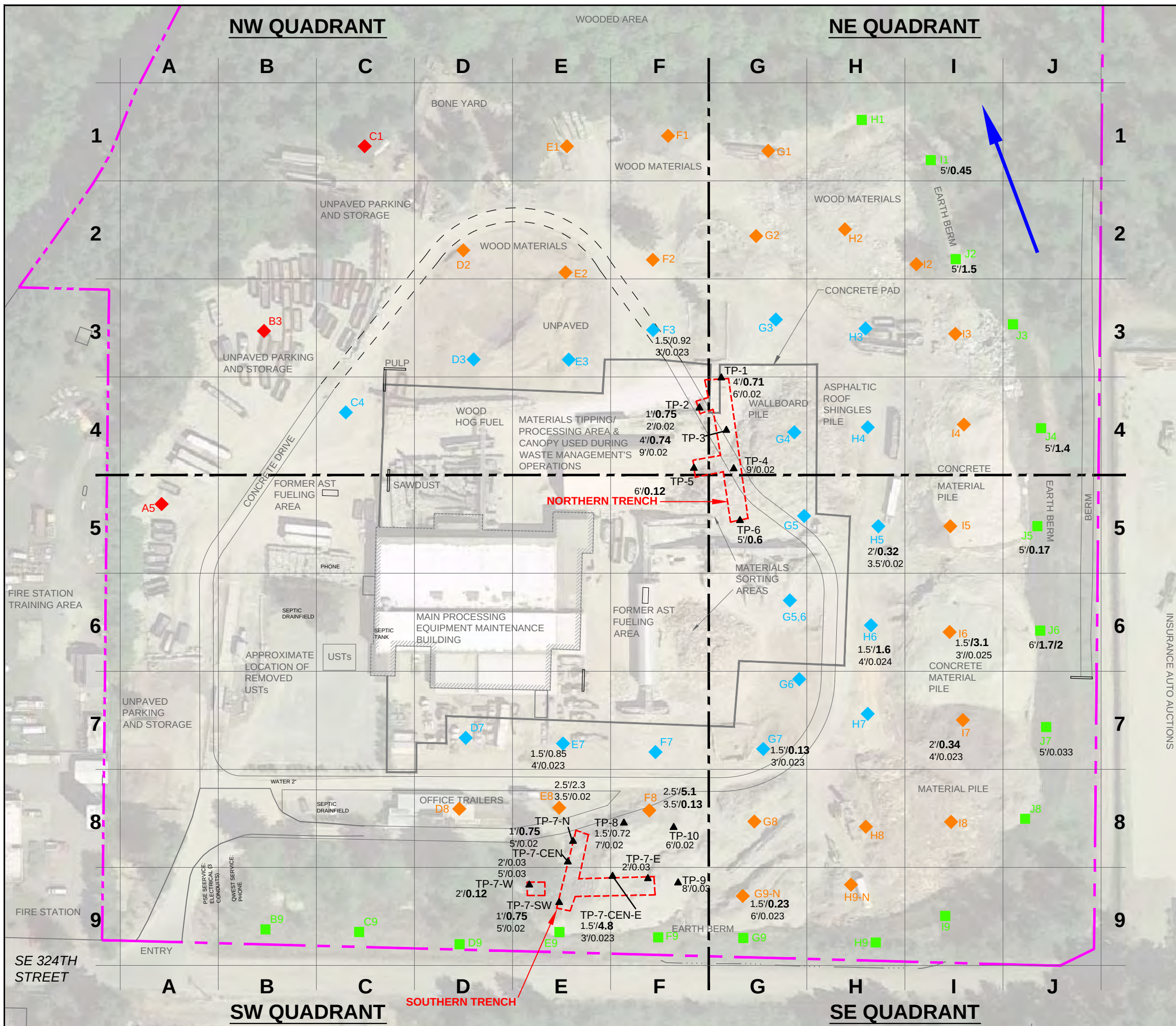
FIGURE 3

SOIL ANALYTICAL RESULTS FOR GRO, DRO, AND ORO
GLACIER RECYCLING PROPERTY
32300 148th AVENUE SE
AUBURN, WASHINGTON

FARALLON PN: 870-002

Farallon Consulting
975 5th Avenue Northwest
Issaquah, WA 98027

Drawn By:DEW | Checked By:EE | Date:7/24/14 | Disk Reference:870002a



LEGEND

--- ORO VERIFICATION TEST TRENCH (FARALLON, 2014)

▲ TEST TRENCH AND TEST PIT SAMPLE LOCATION (FARALLON, 2014)

SUBSURFACE INVESTIGATION TEST PIT LOCATIONS (FARALLON, 2014):

- FORMER MATERIAL DEBRIS AREA TEST PIT
- CONCRETE PAD AREA TEST PIT
- BONE YARD AREA TEST PIT
- EARTH BERM TEST PIT

1.5'/0.82'/0.92' = SOIL SAMPLE DEPTH BGS/TEQ

SOIL RESULTS IN MILLIGRAMS PER KILOGRAM (mg/kg)

BGS = BELOW GROUND SURFACE

cPAH = CARCINOGENIC POLYCYCLIC AROMATIC HYDROCARBONS

TEQ = TOXICITY EQUIVALENCY QUOTIENT

BOLD = EXCEEDS MTCA METHOD A CLEANUP LEVELS

< = INDICATES CONCENTRATIONS NOT DETECTED ABOVE THE STATED LABORATORY PRACTICAL QUANTITATION LIMIT (PQL)

A

1

SAMPLING GRID

INFERRED GROUNDWATER FLOW DIRECTION

PROPERTY BOUNDARY

WATER LINE

NOTES:

- ALL MATERIAL PILES ARE FORMER PILE LOCATIONS. OPERATIONS AT THE FACILITY WERE DISCONTINUED IN 2013 AND MATERIAL PILES ARE NO LONGER PRESENT.
- TOTAL cPAH DERIVED USING THE TOTAL TOXICITY EQUIVALENCY METHOD IN SECTION 708(e) OF CHAPTER 173-340 OF THE WASHINGTON ADMINISTRATIVE CODE.
- FOR CONCENTRATIONS REPORTED AT LESS THAN THE LABORATORY PQL, HALF THE PQL WAS USED TO CALCULATE THE TEQ.
- SAMPLE LOCATIONS NOT SHOWING cPAH DATA WERE NOT ANALYZED.

0 100

Scale in feet

GOOGLE AERIAL IMAGE DATED 5/2013

FIGURE 4

SOIL ANALYTICAL RESULTS FOR TOTAL cPAH TEQ

GLACIER RECYCLING PROPERTY

32300 148th AVENUE SE

AUBURN, WASHINGTON

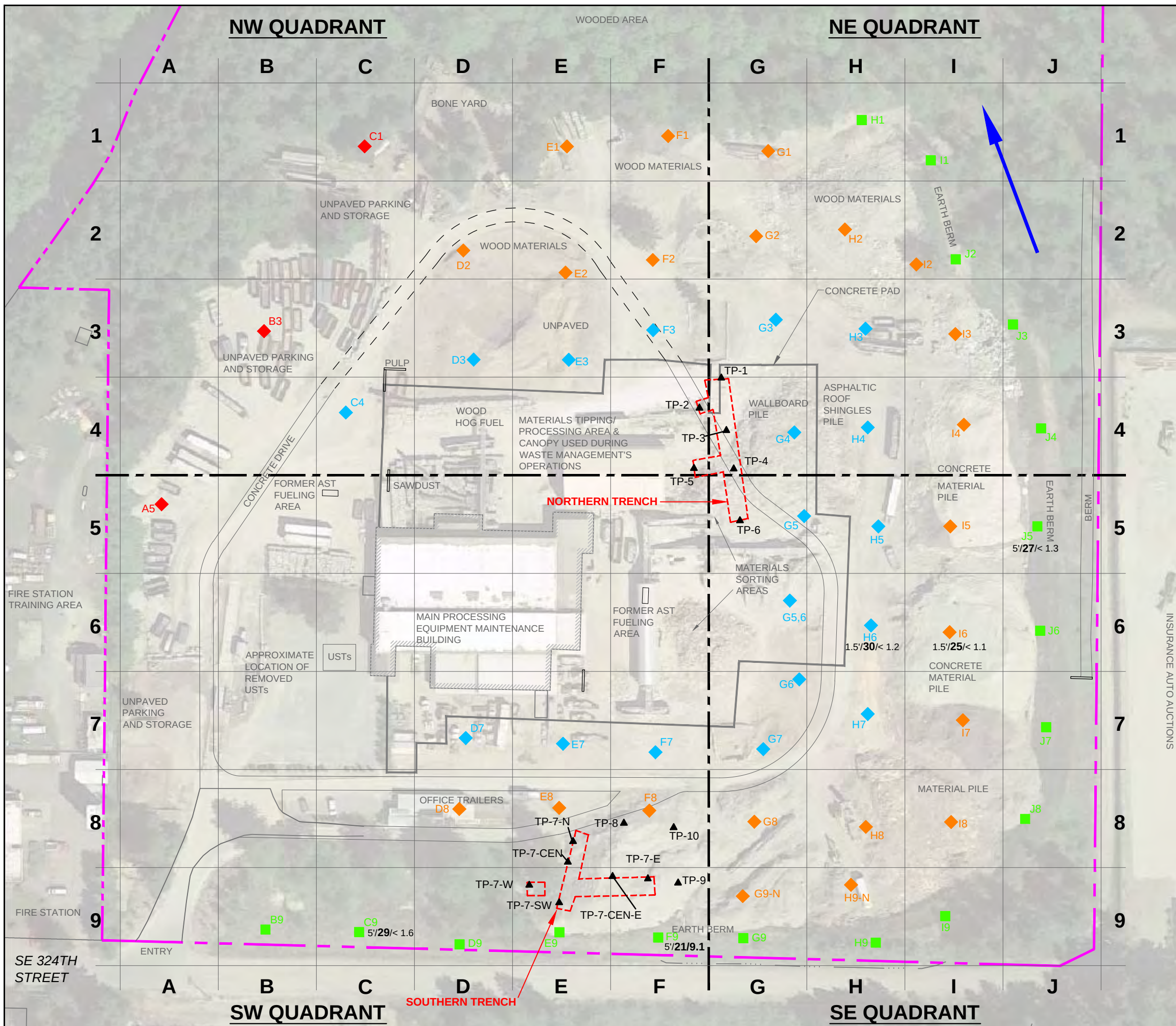
FARALLON PN: 870-002

Drawn By:DEW

Checked By:EE

Date:7/24/14

Disk Reference:870002a



LEGEND

--- ORO VERIFICATION TEST TRENCH (FARALLON, 2014)

▲ TEST TRENCH AND TEST PIT SAMPLE LOCATION (FARALLON, 2014)

SUBSURFACE INVESTIGATION TEST PIT LOCATIONS (FARALLON, 2014):

- FORMER MATERIAL DEBRIS AREA TEST PIT
- CONCRETE PAD AREA TEST PIT
- BONE YARD AREA TEST PIT
- EARTH BERM TEST PIT

5/27/< 1.3 = SOIL SAMPLE DEPTH BGS/ARSENIC/CADMIUM

SOIL RESULTS IN MILLIGRAMS PER KILOGRAM (mg/kg)

BGS = BELOW GROUND SURFACE

BOLD = EXCEEDS MTCA METHOD A CLEANUP LEVELS

< = INDICATES CONCENTRATIONS NOT DETECTED ABOVE THE STATED LABORATORY PRACTICAL QUANTITATION LIMIT

A | SAMPLING GRID

1

INFERRED GROUNDWATER FLOW DIRECTION

--- PROPERTY BOUNDARY

--- WATER LINE

NOTE:

- ALL MATERIAL PILES ARE FORMER PILE LOCATIONS. OPERATIONS AT THE FACILITY WERE DISCONTINUED IN 2013 AND MATERIAL PILES ARE NO LONGER PRESENT.
- SAMPLE LOCATIONS NOT SHOWING ARSENIC AND CADMIUM DATA DID NOT HAVE CONCENTRATIONS THAT EXCEED MTCA METHOD A CLEANUP LEVELS OR WERE NOT ANALYZED.

0 100
Scale in feet

GOOGLE AERIAL IMAGE DATED 5/2013

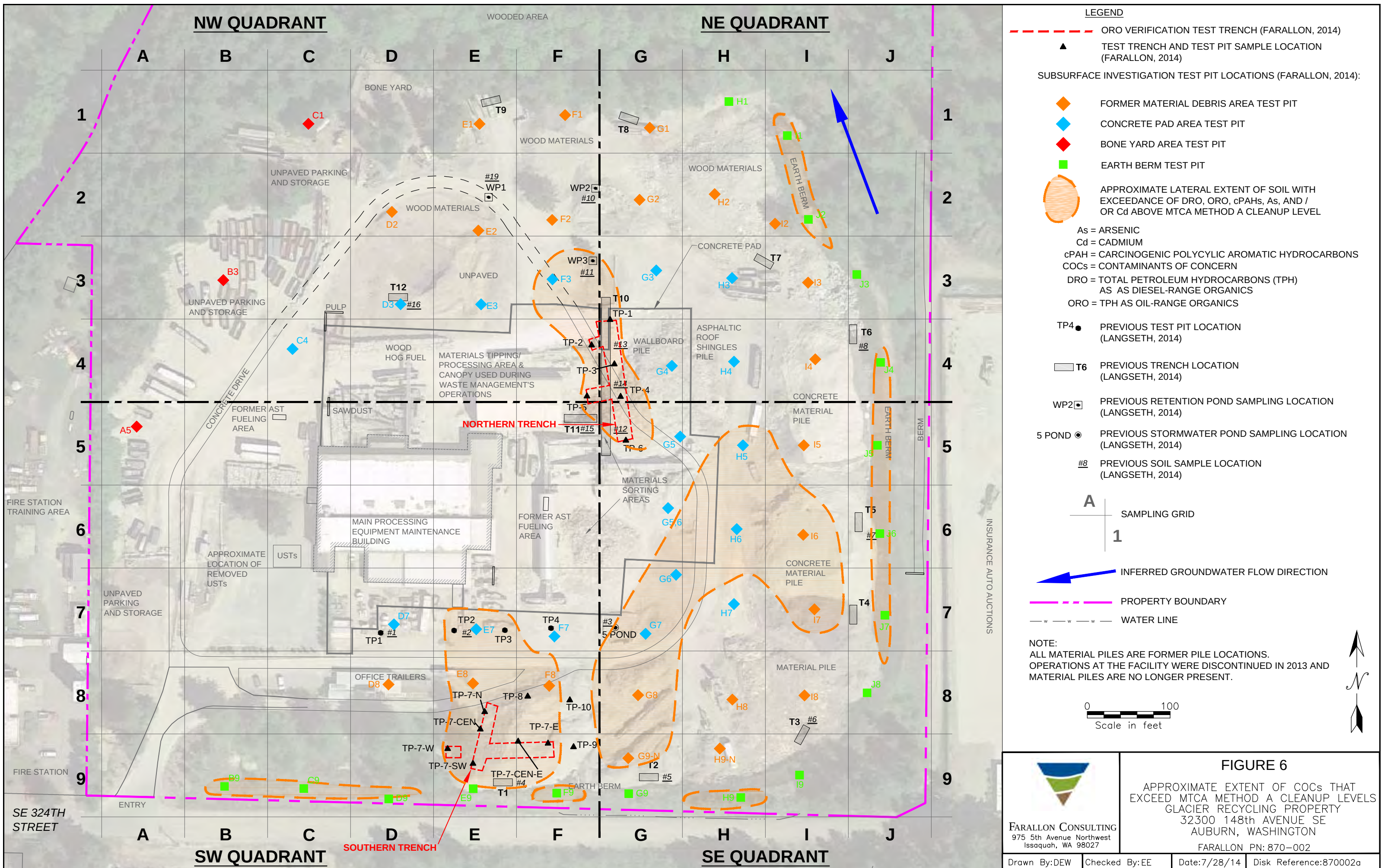
FARALLON CONSULTING
975 5th Avenue Northwest
Issaquah, WA 98027

FIGURE 5

SOIL ANALYTICAL
RESULTS FOR ARSENIC AND CADMIUM
GLACIER RECYCLING PROPERTY
32300 148th AVENUE SE
AUBURN, WASHINGTON

FARALLON PN: 870-002

Drawn By:DEW	Checked By:EE	Date:7/24/14	Disk Reference:870002a



TABLES

ADDITIONAL SUBSURFACE INVESTIGATION REPORT

Glacier Recycling Property
32300 148th Avenue Southeast
Auburn, Washington

Farallon PN: 870-002

Table 1
Summary of Soil Analytical Results - Total Petroleum Hydrocarbons and BTEX
Glacier Recycling Property
Auburn, Washington
Farallon PN: 870-002

Location	Sample Identification	Sample Depth (feet) ¹	Sample Date	Analytical Results (milligrams per kilogram)									
				GRO ²	DRO ²	ORO ²	GRO ³	DRO ⁴	ORO ⁴	Benzene ⁵	Toluene ⁵	Ethylbenzene ⁵	Total Xylenes ⁵
				NWTPH-HCID									
Baseline Site Condition Investigation Test Pits													
A5	A5-1.9-060514	1.9	06/05/2014	< 24	< 60	< 120	--	--	--	--	--	--	--
B3	B3-6.0-060514	6	06/05/2014	< 23	58	300	--	< 29	< 57	--	--	--	--
C1	C1-3.0-060514	3	06/05/2014	< 20	< 50	< 100	--	--	--	--	--	--	--
C4	C4-5.0-060514	5	06/05/2014	< 21	< 52	< 100	--	--	--	--	--	--	--
D2	D2-3.0-060514	3	06/05/2014	< 21	< 52	220	--	< 26	< 52	--	--	--	--
D3	D3-1.5-060514	1.5	06/05/2014	< 24	< 59	< 120	--	--	--	--	--	--	--
D7	D7-3.0-060314	3	06/03/2014	< 22	< 56	230	--	52	340	--	--	--	--
D8	D8-3.0-060514	3	06/05/2014	28	130	1,100	< 2.3	68	60	< 0.0091	< 0.023	< 0.023	< 0.023
E1	E1-1.9-060514	1.9	06/05/2014	< 26	< 65	< 130	--	--	--	--	--	--	--
E2	E2-1.5-060414	1.5	06/04/2014	30	400	750	8.1	170	530	< 0.02	< 0.051	< 0.051	< 0.051
E3	E3-3.0-060514	3	06/05/2014	< 21	< 52	< 100	--	--	--	--	--	--	--
E7	E7-1.5-060314	1.5	06/03/2014	65	580	3,400	20	420	3,900	< 0.02	< 0.051	< 0.051	< 0.051
	E7-4.0-060314	4	06/03/2014	--	--	--	< 1.7	< 26	< 52	< 0.0067	< 0.017	< 0.017	< 0.017
E8	E8-2.5-060314	2.5	06/03/2014	110	3,100	13,000	< 3.7	2,900	53,000	< 0.0016	< 0.0032	< 0.0016	< 0.0032
	E8-3.5-060314	3.5	06/03/2014	--	--	--	< 2.8	< 28	< 56	< 0.0011	< 0.0023	< 0.0011	< 0.0023
F1	F1-3.0-060414	3	06/04/2014	< 23	< 57	< 110	--	--	--	--	--	--	--
F2	F2-1.0-060414	1	06/04/2014	< 220	< 550	1,600	--	130	1,300	--	--	--	--
F3	F3-1.5-060414	1.5	06/04/2014	< 1,100	< 2,700	11,000	--	950	10,000	--	--	--	--
	F3-3.0-060414	3	06/04/2014	--	--	--	--	< 25	< 50	--	--	--	--
F7	F7-5.0-060314	5	06/03/2014	< 21	< 52	< 100	--	--	--	--	--	--	--
F8	F8-2.5-060314	2.5	06/03/2014	130	3,200	9,300	11	< 2,700	41,000	< 0.025	< 0.061	< 0.061	< 0.061
	F8-3.5-060314	3.5	06/03/2014	--	--	--	< 3.1	< 27	180	< 0.012	< 0.031	< 0.031	< 0.031
G1	G1-3.0-060414	3	06/04/2014	< 24	< 60	< 120	--	--	--	--	--	--	--
G2	G2-4.0-060414	4	06/04/2014	< 20	< 50	< 99	--	--	--	--	--	--	--
G3	G3-2.2-060414	2.2	06/04/2014	< 22	98	610	--	140	1,100	--	--	--	--
G4	G4-1.5-060414	1.5	06/04/2014	< 25	82	540	--	140	770	--	--	--	--
G5,6	G5,6-2.5-060514	2.5	06/05/2014	< 25	84	< 120	--	120	690	--	--	--	--
G5	G5-4.0-060414	4	06/04/2014	< 23	< 57	< 110	--	--	--	--	--	--	--
G6	G6-8.5-060514	8.5	06/05/2014	28	130	530	4.6	< 280	2,500	< 0.012	< 0.029	< 0.029	< 0.029
G7	G7-1.5-060414	1.5	06/04/2014	< 220	< 540	2,100	--	100	1,000	--	--	--	--
	G7-3.0-060414	3	06/04/2014	--	--	--	--	39	430	--	--	--	--
G8	G8-1.5-060314	1.5	06/03/2014	47	210	1,200	36	330	3,800	< 0.014	0.17	0.079	0.44
G9-N	G9-1.5-060314	1.5	06/03/2014	260	960	5,000	6.6	430	5,400	0.026	< 0.05	< 0.05	< 0.05
	G9-6.0-060314	6	06/03/2014	--	--	--	< 2.5	< 26	< 53	< 0.0099	< 0.025	< 0.025	< 0.025
H2	H2-2.2-060414	2.2	06/04/2014	< 23	< 56	220	--	< 29	100	--	--	--	--
H3	H3-4.0-060414	4	06/04/2014	< 20	< 51	< 100	--	< 51	--	--	--	--	--
H4	H4-5.0-060414	5	06/04/2014	< 20	< 51	< 100	--	< 25	< 51	--	--	--	--
H5	H5-2.0-060414	2	06/04/2014	< 1,100	< 2,700	21,000	--	1,500	18,000	< 0.0013	0.0041	< 0.0013	< 0.0027
	H5-3.5-060414	3.5	06/04/2014	--	--	--	--	< 28	< 56	< 0.00099	< 0.0020	< 0.00099	< 0.0020
H6	H6-1.5-60414	1.5	06/04/2014	< 270	800	5,400	--	760	3,300	--	--	--	--
	H6-4.0-60414	4	06/04/2014	--	--	--	--	< 26	< 51	--	--	--	--
H7	H7-1.5-060414	1.5	06/04/2014	< 23	85	430	--	70	450	--	--	--	--
H8	H8-6.0-060314	6	06/03/2014	< 23	< 56	< 110	--	--	--	--	--	--	--
H9-N	H9-N-1.5-060314	1.5	06/03/2014	< 24	75	270	--	82	590	--	--	--	--
I2	I2-3.5-060514	3.5	06/05/2014	< 20	110	1,000	--	< 25	< 50	--	--	--	--
I3	I3-2.5-060414	2.5	06/04/2014	81	130	390	95	140	380	< 0.013	< 0.031	< 0.031	< 0.031
I4	I4-4.0-060414	4	06/04/2014	< 21	< 53	< 110	--	--	--	--	--	--	--
I5	I5-3.0-060414	3	06/04/2014	< 22	< 56	< 110	--	--	--	--	--	--	--
I6	I6-1.5-060414	1.5	06/04/2014	54	430	2,700	14	490	3,500	< 0.021	0.066	< 0.052	0.20
	I6-3.0-060414	3	06/04/2014	--	--	--	< 3.0	< 28	77	< 0.012	< 0.03	< 0.03	< 0.03
I7	I7-2.0-060314	2	06/03/2014	56	630	4,100	< 6.9	< 380	2,400	< 0.027	< 0.069	< 0.069	< 0.069
	I7-4.0-060314	4	06/03/2014	--	--	--	< 2.2	< 26	< 52	< 0.0088	< 0.022	< 0.022	< 0.022
I8	I8-3.0-060314	3	06/03/2014	< 20	< 50	< 100	--	--	--	--	--	--	--

Table 1
Summary of Soil Analytical Results - Total Petroleum Hydrocarbons and BTEX
Glacier Recycling Property
Auburn, Washington
Farallon PN: 870-002

Location		Sample Identification	Sample Depth (feet) ¹	Sample Date	Analytical Results (milligrams per kilogram)									
					GRO ²	DRO ²	ORO ²	GRO ³	DRO ⁴	ORO ⁴	Benzene ⁵	Toluene ⁵	Ethylbenzene ⁵	Total Xylenes ⁵
Earth Berm Test Pits														
B9		B9-5.0-060314	5	06/03/2014	39	260	1,100	12	< 350	2,500	< 0.021	< 0.053	< 0.053	< 0.053
C9		C9-5.0-060314	5	06/03/2014	< 320	< 800	1,900	--	450	9,600	--	--	--	--
D9		D9-5.0-060314	5	06/03/2014	< 30	250	1,300	--	660	3,300	--	--	--	--
E9		E9-5.0-060314	5	06/03/2014	< 22	< 55	< 110	--	--	--	--	--	--	--
F9		F9-5.0-060314	5	06/03/2014	< 310	< 780	1,900	--	1,400	5,500	--	--	--	--
G9		G9-5.0-060314	5	06/03/2014	36	< 58	130	40	160	320	< 0.014	< 0.034	< 0.034	< 0.034
H1		H1-2.0-060514	2	06/05/2014	< 26	< 65	< 130	--	--	--	--	--	--	--
H9		H9-5.0-060314	5	06/03/2014	< 250	< 630	1,600	--	< 310	3,900	--	--	--	--
I1		I1-5.0-060314	5	06/03/2014	54	550	3,000	< 17	470	4,800	< 0.067	< 0.17	< 0.17	< 0.17
I9		I9-5.0-060314	5	06/03/2014	< 27	240	1,700	--	190	1,600	--	--	--	--
J2		J2-5.0-060314	5	06/03/2014	54	660	4,000	< 6.0	380	4,100	< 0.024	< 0.06	< 0.06	< 0.06
J3		J3-5.0-060314	5	06/03/2014	28	< 69	< 140	38	--	--	< 0.023	< 0.058	< 0.058	< 0.058
J4		J4-5.0-060314	5	06/03/2014	260	1,400	7,000	35	1,800	18,000	< 0.031	< 0.077	0.14	0.48
J5		J5-5.0-060314	5	06/03/2014	34	420	2,600	< 5.3	< 360	2,700	< 0.021	< 0.053	< 0.053	< 0.053
J6		J6-6.0-060314	6	06/03/2014	64	1,600	9,900	30	1,800	18,000	< 0.061	< 0.15	< 0.15	< 0.15
J7		J7-5.0-060314	5	06/03/2014	39	400	2,700	9.2	280	2,100	< 0.024	< 0.06	< 0.06	< 0.06
J8		J8-5.0-060314	5	06/03/2014	30	110	470	19	120	840	< 0.015	< 0.038	< 0.038	< 0.038
ORO Verification and Distribution Investigation - Northern Trench														
Northern Trench	TP-1	TP-1-G3-4.0-060214	4	06/02/2014	--	--	--	--	370	3,600	--	--	--	--
		TP-1-G3-6.0-060214	6	06/02/2014	--	--	--	--	< 25	< 51	--	--	--	--
	TP-2	TP-2-G3-1.0-060214	1	06/02/2014	--	--	--	--	260	2,500	--	--	--	--
		TP-2-G3-2.0-060214	2	06/02/2014	--	--	--	--	< 25	< 51	--	--	--	--
	TP-3	TP-3-G4-4.0-060214	4	06/02/2014	--	--	--	--	700	7,100	< 0.0017	0.012	0.0065	0.03
		TP-3-G4-9.0-060214	9	06/02/2014	--	--	--	--	< 26	< 52	--	--	--	--
	TP-4	TP-4-G4-9.0-060214	9	06/02/2014	--	--	--	--	< 28	< 55	--	--	--	--
	TP-5	TP-5-G4-6.0-060214	6	06/02/2014	--	--	--	--	< 27	72	--	--	--	--
TP-6	TP-6-G4-5.0-060214	5	06/02/2014	--	--	--	--	220	2,900	--	--	--	--	
ORO Verification and Distribution Investigation - Southern Trench and Test Pits														
Southern Trench	TP-7-CEN-E	TP-7-CEN-E-1.5-060314	1.5	06/03/2014	--	--	--	15	1,200	7,600	0.0020	0.078	0.029	0.154
		TP-7-CEN-E-3.0-060314	3	06/03/2014	--	--	--	< 2.1	< 26	< 52	< 0.00093	< 0.0019	< 0.00093	< 0.0019
	TP-7-E	TP-7-E-2.0-060214	2	06/02/2014	--	--	--	--	1,800	19,000	--	--	--	--
	TP-7-CEN	TP-7-CEN-2.0-060214	2	06/02/2014	--	--	--	--	< 27	< 54	< 0.017	< 0.041	< 0.041	< 0.041
		TP-7-CEN-5.0-060514	5	06/05/2014	--	--	--	--	< 28	100	< 0.0010	< 0.0020	< 0.0010	< 0.0020
	TP-7-N	TP-7-N-1.0-060214	1	06/02/2014	--	--	--	--	1,500	5,000	< 0.035	0.16	< 0.087	0.14
		TP-7-N-5.0-060514	5	06/05/2014	--	--	--	--	< 27	71	--	--	--	--
	TP-7-SW	TP-7-SW-1.0-060214	1	06/02/2014	--	--	--	--	380	2,400	--	--	--	--
TP-7-SW-060514		5	06/05/2014	--	--	--	--	27	450	--	--	--	--	
TP-7-W	TP-7-W-2.0-060214	2	06/02/2014	--	--	--	--	< 26	54	--	--	--	--	
Southern Test Pits	TP-8	TP-8-1.5-060314	1.5	06/03/2014	--	--	--	7.0	370	2,600	< 0.017	0.077	< 0.042	0.18
		TP-8-7.0-060514	7	06/05/2014	--	--	--	< 2.3	< 26	< 52	< 0.0090	< 0.022	< 0.022	< 0.022
	TP-9	TP-9-8.0-060514	8	06/05/2014	--	--	--	--	< 28	67	--	--	--	--
	TP-10	TP-10-6.0-060314	6	06/03/2014	--	--	--	< 2.0	< 25	< 51	< 0.0082	< 0.02	< 0.02	< 0.02
MTCA Method A Cleanup Level for Unrestricted Land Use ⁶					100	2,000	2,000	100	2,000	2,000	0.03	7	6	9

NOTES:

Results in **bold** denote concentrations exceeding applicable cleanup levels.

< denotes analyte not detected at or exceeding the reporting limit listed.

< and in **bold** denotes analyte not detected at or exceeding the reporting limit but the reporting limit listed exceeds the screening level due to laboratory reasons.

¹Depth in feet below ground surface.

²Analyzed by Northwest Method NWTPH-HCID.

³Analyzed by Northwest Method NWTPH-Gx

⁴Analyzed by Northwest Method NWTPH-Dx.

⁵Analyzed by U.S. Environmental Protection Agency Method SW8260C.

⁶Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A Soil Cleanup Levels for Unrestricted Land Uses, Table 740-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as revised November 2007.

-- = Not analyzed

BTEX = benzene, toluene, ethylbenzene, and xylenes

DRO = total petroleum hydrocarbons as diesel-range organics

GRO = total petroleum hydrocarbons as gasoline-range organics

HCID = hydrocarbon identification

ORO = total petroleum hydrocarbons as oil-range organics

Table 2
Summary of Soil Analytical Results - Volatile Organic Compounds
Glacier Recycling Property
Auburn, Washington
Farallon PN: 870-002

Location		Sample Identification	Sample Depth (feet) ¹	Sample Date	Analytical Results (milligrams per kilogram)										
					PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Vinyl Chloride	1,2,4-Trimethylbenzene	1,2-Dichloroethane	1,3,5-Trimethylbenzene	Naphthalene	n-Propylbenzene	p-Isopropyltoluene
Baseline Site Condition Investigation Test Pits															
E8		E8-2.5-060314	2.5	06/03/2014	0.0049	< 0.0016	< 0.0016	< 0.0016	< 0.0016	< 0.0032	< 0.0016	< 0.0081	< 0.0081	< 0.0032	< 0.0032
		E8-3.5-060314	3.5	06/03/2014	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0023	< 0.0011	< 0.0057	< 0.0057	< 0.0023	< 0.0023
H5		H5-2.0-060414	2	06/04/2014	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0013	< 0.0027	< 0.0013	< 0.0067	< 0.0067	< 0.0027	< 0.0027
		H5-3.5-060414	3.5	06/04/2014	< 0.00099	< 0.00099	< 0.00099	< 0.00099	< 0.00099	< 0.0020	< 0.00099	< 0.0050	< 0.0050	< 0.0020	< 0.0020
ORO Verification and Distribution Investigation - Northern Trench															
Northern Trench	TP-3	TP-3-G4-4.0-060214	4	06/02/2014	< 0.0017	< 0.0017	< 0.0017	< 0.0017	< 0.0017	0.028	0.071	0.0099	0.021	0.0060	0.013
ORO Verification and Distribution Investigation - Southern Trench															
Southern Trench	TP-7-CEN-E	TP-7-CEN-E-1.5-060314	1.5	06/03/2014	0.016	< 0.0017	< 0.0017	< 0.0017	< 0.0017	0.038	< 0.0017	0.016	0.028	0.0083	0.043
		TP-7-CEN-E-3.0-060314	3	06/03/2014	< 0.00093	< 0.00093	< 0.00093	< 0.00093	< 0.00093	< 0.0019	< 0.00093	< 0.0046	< 0.0046	< 0.0019	< 0.0019
	TP-7-CEN	TP-7-CEN-5.0-060514	5	06/05/2014	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0020	< 0.0010	< 0.0050	< 0.0050	< 0.0020	< 0.0020
MTCA Cleanup Levels for Soil					0.05 ³	0.03 ³	160 ⁴	1,600 ⁴	240 ⁴	NE	11 ⁴	800 ⁴	5 ³	8,000 ⁴	NE

NOTES:

Results in **bold** denote concentrations exceed applicable cleanup levels.

Full volatile analyte list was analyzed. Table shows data for chlorinated solvents PCE, TCE, cis-1,2-DCE, trans-1,2-DCE, vinyl chloride, and other analytes with detections.

< denotes analyte not detected at or exceeding the reporting limit listed.

¹Depth in feet below ground surface.

²Analyzed by U.S. Environmental Protection Agency Method SW8260C.

³Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A Soil Cleanup Levels for Unrestricted Land Uses, Table 740-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as revised November 2007.

⁴Washington State Cleanup Levels and Risk Calculations under the Washington State Model Toxics Control Act Cleanup Regulation, Standard Method B Formula Values for Soil (Unrestricted Land Use) - Direct Contact (Ingestion Only) and Leaching Pathway, <https://fortress.wa.gov/ecy/clarc/Reporting/ChemicalQuery.aspx>

DCE = Dichloroethene

NE = Not established

PCE = Tetrachloroethene

TCE = Trichloroethene

Table 3
Summary of Soil Analytical Results - Carcinogenic Polycyclic Aromatic Hydrocarbons
Glacier Recycling Property
Auburn, Washington
Farallon PN: 870-002

Location		Sample Identification	Sample Depth (feet) ¹	Sample Date	Analytical Results (milligrams per kilogram) ²						Total cPAHs TEQ ^{3,4}	
					Benzo(a) Anthracene	Benzo(a)Pyrene	Benzo(b) Fluoranthene	Benzo(k) Fluoranthene	Chrysene	Dibenzo(a,h) Anthracene		Indeno(1,2,3-cd) Pyrene
Baseline Site Condition Investigation Test Pits												
E7		E7-1.5-060314	1.5	06/03/2014	0.35	0.73	0.52	< 0.15	0.56	< 0.23	< 0.23	0.85
		E7-4.0-060314	4	06/03/2014	< 0.021	< 0.031	< 0.021	< 0.026	< 0.026	< 0.042	< 0.042	0.023
E8		E8-2.5-060314	2.5	06/03/2014	0.49	1.8	3.1	< 0.55	2.8	< 0.89	< 0.89	2.3
		E8-3.5-060314	3.5	06/03/2014	< 0.022	< 0.033	< 0.022	< 0.027	< 0.027	< 0.044	< 0.044	0.02
F3		F3-1.5-060414	1.5	06/04/2014	0.23	0.82	< 0.22	< 0.27	0.8	< 0.44	< 0.44	0.92
		F3-3.0-060414	3	06/04/2014	< 0.021	< 0.031	< 0.021	< 0.026	< 0.026	< 0.041	< 0.041	0.023
F8		F8-2.5-060314	2.5	06/03/2014	< 4.5	< 6.8	< 4.5	< 5.7	< 5.7	< 9	< 9	5.1
		F8-3.5-060314	3.5	06/03/2014	< 0.11	< 0.17	< 0.11	< 0.14	< 0.14	< 0.22	< 0.22	0.13
G7		G7-1.5-060414	1.5	06/04/2014	< 0.11	< 0.17	< 0.11	< 0.14	< 0.14	< 0.22	< 0.22	0.13
		G7-3.0-060414	3	06/04/2014	< 0.02	< 0.031	< 0.02	< 0.025	< 0.025	< 0.041	< 0.041	0.023
G9-N		G9-1.5-060314	1.5	06/03/2014	0.13	< 0.2	0.46	0.37	0.47	< 0.26	< 0.26	0.23
		G9-6.0-060314	6	06/03/2014	< 0.021	< 0.031	< 0.021	< 0.026	< 0.026	< 0.042	< 0.042	0.023
H5		H5-2.0-060414	2	06/04/2014	0.53	< 0.33	< 0.22	< 0.27	3.2	< 0.44	< 0.44	0.32
		H5-3.5-060414	3.5	06/04/2014	< 0.022	< 0.033	< 0.022	< 0.028	< 0.028	< 0.044	< 0.044	0.02
H6		H6-1.5-60414	1.5	06/04/2014	1.3	1.2	1.2	0.48	1.5	< 0.27	0.77	1.6
		H6-4.0-60414	4	06/04/2014	< 0.021	< 0.032	< 0.021	< 0.027	< 0.027	< 0.043	< 0.043	0.024
I6		I6-1.5-060414	1.5	06/04/2014	2.6	2.2	2.9	1.2	2.8	< 0.29	1.5	3.1
		I6-3.0-060414	3	06/04/2014	< 0.023	< 0.034	< 0.023	< 0.029	< 0.029	< 0.046	< 0.046	0.025
I7		I7-2.0-060314	2	06/03/2014	< 0.3	< 0.45	< 0.3	< 0.38	< 0.38	< 0.6	< 0.6	0.34
		I7-4.0-060314	4	06/03/2014	< 0.02	< 0.031	< 0.02	< 0.026	< 0.026	< 0.041	< 0.041	0.023
Earth Berm Test Pits												
I1		I1-5.0-060314	5	06/03/2014	< 0.37	< 0.56	0.49	< 0.47	0.53	< 0.75	< 0.75	0.45
J2		J2-5.0-060314	5	06/03/2014	0.83	1.1	1.6	0.51	0.97	< 0.6	< 0.6	1.5
J4		J4-5.0-060314	5	06/03/2014	0.79	1.2	0.64	< 0.36	1.4	< 0.58	< 0.58	1.4
J5		J5-5.0-060314	5	06/03/2014	< 0.15	< 0.22	0.18	< 0.18	< 0.18	< 0.29	< 0.29	0.17
J6		J6-6.0-060314	6	06/03/2014	0.81	1.7	0.81	< 0.36	1.7	< 0.58	< 0.58	2.0
J7		J7-5.0-060314	5	06/03/2014	< 0.029	< 0.044	< 0.029	< 0.037	< 0.037	< 0.059	< 0.059	0.033
ORO Verification and Distribution Investigation - Northern Trench												
Northern Trench	TP-1	TP-1-G3-4.0-060214	4	06/02/2014	< 0.63	< 0.94	< 0.63	< 0.78	0.89	< 1.3	< 1.3	0.71
		TP-1-G3-6.0-060214	6	06/02/2014	< 0.021	< 0.031	< 0.021	< 0.026	< 0.026	< 0.041	< 0.041	0.02
	TP-2	TP-2-G3-1.0-060214	1	06/02/2014	< 0.68	< 1	< 0.68	< 0.85	< 0.85	< 1.4	< 1.4	0.75
		TP-2-G3-2.0-060214	2	06/02/2014	< 0.021	< 0.032	< 0.021	< 0.027	< 0.027	< 0.042	< 0.042	0.02
	TP-3	TP-3-G4-4.0-060214	4	06/02/2014	< 0.67	< 1	< 0.67	< 0.83	< 0.83	< 1.3	< 1.3	0.74
		TP-3-G4-9.0-060214	9	06/02/2014	< 0.021	< 0.031	< 0.021	< 0.026	< 0.026	< 0.041	< 0.041	0.02
	TP-4	TP-4-G4-9.0-060214	9	06/02/2014	< 0.021	< 0.032	< 0.021	< 0.027	< 0.027	< 0.042	< 0.042	0.02
	TP-5	TP-5-G4-6.0-060214	6	06/02/2014	< 0.1	< 0.16	< 0.1	< 0.13	< 0.13	< 0.21	< 0.21	0.12
TP-6	TP-6-G4-5.0-060214	5	06/02/2014	< 0.53	< 0.8	< 0.53	< 0.66	< 0.66	< 1.1	< 1.1	0.60	
MTCA Method A Cleanup Level ⁵					NE	0.1	NE	NE	NE	NE	NE	0.1

Table 3
Summary of Soil Analytical Results - Carcinogenic Polycyclic Aromatic Hydrocarbons
Glacier Recycling Property
Auburn, Washington
Farallon PN: 870-002

Location		Sample Identification	Sample Depth (feet) ¹	Sample Date	Analytical Results (milligrams per kilogram) ²							Total cPAHs TEQ ^{3,4}
					Benzo(a) Anthracene	Benzo(a)Pyrene	Benzo(b) Fluoranthene	Benzo(k) Fluoranthene	Chrysene	Dibenzo(a,h) Anthracene	Indeno(1,2,3-cd) Pyrene	
ORO Verification and Distribution Investigation - Southern Trench and Test Pits												
Southern Trench	TP-7-CEN-E	TP-7-CEN-E-1.5-060314	1.5	06/03/2014	3.1	3.6	4.6	1.6	5.2	< 1.5	1.5	4.8
		TP-7-CEN-E-3.0-060314	3	06/03/2014	< 0.021	< 0.031	< 0.021	< 0.026	< 0.026	< 0.042	< 0.042	0.023
	TP-7-E	TP-7-E-2.0-060214	2	06/02/2014	< 0.023	< 0.035	< 0.023	< 0.029	< 0.029	< 0.046	< 0.046	0.03
	TP-7-CEN	TP-7-CEN-2.0-060214	2	06/02/2014	< 0.022	< 0.034	< 0.022	< 0.028	< 0.028	< 0.045	< 0.045	0.03
		TP-7-CEN-5.0-060514	5	06/05/2014	< 0.023	< 0.035	< 0.023	< 0.029	< 0.029	< 0.046	< 0.046	0.03
	TP-7-N	TP-7-N-1.0-060214	1	06/02/2014	< 0.63	< 0.95	0.68	< 0.79	0.85	< 1.3	< 1.3	0.75
		TP-7-N-5.0-060514	5	06/05/2014	< 0.022	< 0.033	< 0.022	< 0.028	< 0.028	< 0.044	< 0.044	0.02
	TP-7-SW	TP-7-SW-1.0-060214	1	06/02/2014	< 0.68	< 1	< 0.68	< 0.85	< 0.85	< 1.4	< 1.4	0.75
		TP-7-SW-060514	0	06/05/2014	< 0.021	< 0.031	< 0.021	< 0.026	< 0.026	< 0.041	< 0.041	0.02
TP-7-W	TP-7-W-2.0-060214	2	06/02/2014	< 0.1	< 0.16	< 0.1	< 0.13	< 0.13	< 0.21	< 0.21	0.12	
Southern Test Pits	TP-8	TP-8-1.5-060314	1.5	06/03/2014	< 0.62	< 0.93	< 0.62	< 0.77	< 0.77	< 1.2	< 1.2	0.72
		TP-8-7.0-060514	7	06/05/2014	< 0.022	< 0.032	< 0.022	< 0.027	< 0.027	< 0.043	< 0.043	0.02
	TP-9	TP-9-8.0-060514	8	06/05/2014	< 0.023	< 0.034	< 0.023	< 0.029	< 0.029	< 0.046	< 0.046	0.03
	TP-10	TP-10-6.0-060314	6	06/03/2014	< 0.02	< 0.03	< 0.02	< 0.025	< 0.025	< 0.041	< 0.041	0.02
MTCA Method A Cleanup Level ⁵					NE	0.1	NE	NE	NE	NE	NE	0.1

NOTES

Results in **bold** denote concentrations exceed applicable cleanup levels.

< denotes analyte not detected at or exceeding the reporting limit listed.

< and in **bold** denotes analyte not detected at or above the reporting limit but the reporting limit listed exceeds the screening level due to laboratory reasons.

¹Depth in feet below ground surface.

²Analyzed by U.S. Environmental Protection Agency Method SW8270.

³Total carcinogenic polycyclic aromatic hydrocarbons (cPAHs) derived using the total toxicity equivalency method in Section 708(8) of Chapter 173-340 of the Washington Administrative Code.

⁴For concentrations reported at less than the laboratory reporting limit, half the reporting limit was used to calculate the TEQ.

⁵Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A Soil Cleanup Levels for Unrestricted Land Uses, Table 740-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as revised November 2007.

NE = Not established

TEQ = toxicity equivalence quotient

Table 4
Summary of Soil Analytical Results - Metals
Glacier Recycling Property
Auburn, Washington
Farallon PN: 870-002

Location	Sample Identification	Sample Depth (feet) ¹	Sample Date	Analytical Results (milligrams per kilogram) ²				
				Arsenic	Cadmium	Chromium	Lead	Mercury
Baseline Site Condition Investigation Test Pits								
A5	A5-1.9-060514	1.9	06/05/2014	11	< 0.94	26	42	0.15
B3	B3-6.0-060514	6	06/05/2014	3.0	< 0.74	17	3.7	0.044
C1	C1-3.0-060514	3	06/05/2014	2.5	< 0.81	20	1.9	0.018
C4	C4-5.0-060514	5	06/05/2014	3.2	< 0.75	15	2.9	0.034
D2	D2-3.0-060514	3	06/05/2014	< 2.6	< 0.85	15	2.0	0.031
D3	D3-1.5-060514	1.5	06/05/2014	6.7	< 1.1	24	19	0.038
D7	D7-3.0-060314	3	06/03/2014	5.5	< 0.70	20	8.4	0.043
D8	D8-3.0-060514	3	06/05/2014	< 2.6	< 0.86	21	2.0	0.028
E1	E1-1.9-060514	1.9	06/05/2014	8.9	< 1.0	34	23	0.045
E2	E2-1.5-060414	1.5	06/04/2014	5.4	< 1.1	16	11	0.035
E3	E3-3.0-060514	3	06/05/2014	< 3.1	< 1.0	20	2.2	0.015
E7	E7-1.5-060314	1.5	06/03/2014	11	< 1.1	29	47	0.087
E8	E8-2.5-060314	2.5	06/03/2014	10	< 1.0	28	29	0.055
F1	F1-3.0-060414	3	06/04/2014	3.7	< 0.98	17	8.4	0.054
F2	F2-1.0-060414	1	06/04/2014	11	< 1.0	20	29	0.078
F3	F3-1.5-060414	1.5	06/04/2014	6.5	< 1.0	28	16	0.020
F7	F7-5.0-060314	5	06/03/2014	3.0	< 0.99	17	2.1	0.018
F8	F8-2.5-060314	2.5	06/03/2014	7.5	< 1.1	16	32	0.076
G1	G1-3.0-060414	3	06/04/2014	5.7	< 0.99	20	14	0.050
G2	G2-4.0-060414	4	06/04/2014	< 2.6	< 0.86	12	2.0	0.015
G3	G3-2.2-060414	2.2	06/04/2014	8.0	< 0.96	34	21	0.030
G4	G4-1.5-060414	1.5	06/04/2014	8.7	< 1.1	35	49	0.085
G5	G5-4.0-060414	4	06/04/2014	4.1	< 0.73	27	6.4	0.030
G5,6	G5.6-2.5-060514	2.5	06/05/2014	4.7	< 1.0	23	30	0.054
G6	G6-8.5-060514	8.5	06/05/2014	7.4	< 0.90	17	23	0.048
G7	G7-1.5-060414	1.5	06/04/2014	5.4	< 1.0	27	13	0.038
G8	G8-1.5-060314	1.5	06/03/2014	4.9	< 0.80	16	18	0.070
G9-N	G9-1.5-060314	1.5	06/03/2014	11	< 1.2	36	48	0.19
H2	H2-2.2-060414	2.2	06/04/2014	6.1	< 0.81	20	13	0.037
H3	H3-4.0-060414	4	06/04/2014	2.3	< 0.77	16	1.9	0.014
H4	H4-5.0-060414	5	06/04/2014	2.6	< 0.65	16	1.7	0.021
H5	H5-2.0-060414	2	06/04/2014	5.0	< 0.92	32	39	0.042
H6	H6-1.5-60414	1.5	06/04/2014	30	< 1.2	33	140	0.65
H7	H7-1.5-060414	1.5	06/04/2014	6.5	< 1.1	220	22	0.057
H8	H8-6.0-060314	6	06/03/2014	2.8	< 0.66	20	3.5	0.044
H9-N	H9-N-1.5-060314	1.5	06/03/2014	6.0	< 0.75	19	23	0.058
I3	I3-2.5-060414	2.5	06/04/2014	< 3.1	< 1.0	43	10	0.044
I2	I2-3.5-060514	3.5	06/05/2014	< 2.0	< 0.66	12	1.7	0.016
I4	I4-4.0-060414	4	06/04/2014	3.1	< 0.98	17	3.7	0.026
I5	I5-3.0-060414	3	06/04/2014	4.2	< 0.80	25	5.6	0.045
I6	I6-1.5-060414	1.5	06/04/2014	25	< 1.1	35	150	0.37
I7	I7-2.0-060314	2	06/03/2014	12	< 1.4	24	36	0.13
I8	I8-3.0-060314	3	06/03/2014	< 2.9	< 0.98	17	2.0	< 0.015
Earth Berm Test Pits								
B9	B9-5.0-060314	5	06/03/2014	8.5	< 1.2	53	81	0.45
C9	C9-5.0-060314	5	06/03/2014	29	< 1.6	24	120	1.5
D9	D9-5.0-060314	5	06/03/2014	14	< 1.3	34	110	1.0
E9	E9-5.0-060314	5	06/03/2014	2.9	< 0.91	24	6.4	0.048
F9	F9-5.0-060314	5	06/03/2014	21	9.1	36	220	0.97
G9	G9-5.0-060314	5	06/03/2014	< 3.5	< 1.2	58	9.4	0.029
H1	H1-2.0-060514	2	06/05/2014	18	< 0.97	30	69	0.13
H9	H9-5.0-060314	5	06/03/2014	9.9	< 1.2	27	51	0.17
I1	I1-5.0-060314	5	06/03/2014	9.2	< 1.4	27	27	0.097
I9	I9-5.0-060314	5	06/03/2014	9.3	< 1.2	21	67	0.65
J2	J2-5.0-060314	5	06/03/2014	13	< 1.3	19	160	0.52
J3	J3-5.0-060314	5	06/03/2014	< 4.1	< 1.4	39	14	0.10
J4	J4-5.0-060314	5	06/03/2014	14	< 1.2	27	75	0.60
J5	J5-5.0-060314	5	06/03/2014	27	< 1.3	43	76	0.40
J6	J6-6.0-060314	6	06/03/2014	7.6	< 1.4	21	82	0.11
J7	J7-5.0-060314	5	06/03/2014	12	< 1.3	36	190	0.45
J8	J8-5.0-060314	5	06/03/2014	4.8	< 1.0	56	27	0.15
MTCA Method A Cleanup Level ³				20	2	2,000 ⁴	250	2

NOTES

Results in **bold** denote concentrations exceed applicable cleanup levels.

< denotes analyte not detected at or exceeding the reporting limit listed.

¹Depth in feet below ground surface.

²Analyzed by U.S. Environmental Protection Agency Methods SW6010/7471.

³Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A Soil Cleanup Levels for Unrestricted Land Uses,

Table 740-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as revised November 2007.

⁴Cleanup level is for Chromium (III).

APPENDIX A
ORO VERIFICATION AND DISTRIBUTION INVESTIGATION
TEST TRENCH AND TEST PIT LOGS

ADDITIONAL SUBSURFACE INVESTIGATION REPORT

Glacier Recycling Property
32300 148th Avenue Southeast
Auburn, Washington

Farallon PN: 870-002

Log of Test Pit: Northern Trench (TP-1)

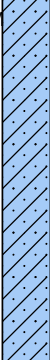
Page 1 of 1

Client: Waste Management, Inc.
Project: Glacier Recycling Property
Location: Auburn, WA

Farallon PN: 870-002

Logged By: J. Chen

Date/Time Started: 06-02-2014 / 0955 **Sampler Type:** Bucket
Date/Time Completed: **Depth of Water (ft bgs):** NE
Equipment: Takeuchi TB153FR **Total Excavation Depth (ft bgs):** 6.0'
Excavation Company: Saybr **Surveyed Location:**
Excavation Foreman: Lee Dalton **X:** 1316084.646
Excavating Method: **Y:** 116991.656

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed
0		0.0-0.5': FILL. Crushed rock debris, concrete, gravel, and sand.	FILL				
		0.5-4.0': FILL. Crushed concrete, brick, and rock debris with sand black staining, slight odor.	FILL				
		4.0-6.0': Poorly graded SAND with silt and gravel (60% sand, 30% gravel, 10% silt), fine to medium sand, coarse gravel, light brown, moist, loose, no odor.	SP-SM		2.1	TP-1-G3-4.0-060214 @ 1030	X
5					0.3	TP-1-G3-6.0-060214 @ 1020	X

Log of Test Pit: Northern Trench (TP-2)

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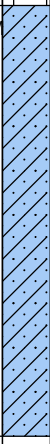
Client: Waste Management, Inc.
Project: Glacier Recycling Property
Location: Auburn, WA

Farallon PN: 870-002

Logged By: J. Chen

Date/Time Started: 06-02-2014 / 1025 **Sampler Type:** Bucket
Date/Time Completed: **Depth of Water (ft bgs):** NE
Equipment: Takeuchi TB153FR **Total Excavation Depth (ft bgs):** 2.0'
Excavation Company: Saybr **Surveyed Location:**
Excavation Foreman: Lee Dalton **X:** 1316061.261
Excavating Method: **Y:** 116966.44

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed

0		0.0-1.0': FILL. (50% debris [wood, concrete, metal], 30% silt, 20% sand, 10% gravel), fine to medium sand, fine gravel, black, odor, staining.	FILL				
		1.0-2.0': Poorly graded SAND with silt and gravel (60% sand, 30% gravel, 10% silt), fine to medium sand, coarse gravel, light brown, moist, loose, no odor. Perched water infiltrated the test pit.	SP-SM		1.0	TP-2-G3-1.0-060214 @ 1045	X
					0.4	TP-2-G3-2.0-060214 @ 1101	X

Log of Test Pit: Northern Trench (TP-3)

Page 1 of 1

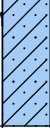
Client: Waste Management, Inc.
Project: Glacier Recycling Property
Location: Auburn, WA

Farallon PN: 870-002

Logged By: J. Chen

Date/Time Started: 06-02-2014 / 1057 **Sampler Type:** Bucket
Date/Time Completed: **Depth of Water (ft bgs):** NE
Equipment: Takeuchi TB153FR **Total Excavation Depth (ft bgs):** 9.0'
Excavation Company: Saybr **Surveyed Location:**
Excavation Foreman: Lee Dalton **X:** 1316100.031
Excavating Method: **Y:** 116935.073

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed

0		0.0-5.0': FILL. (50% debis [wood, concrete, metal], 40% silt, 10% sand), brown, dry, loose, odor, black staining at approximately 4' bgs. Small amounts of perched water infiltrated test pit.	FILL				
					6.7	TP-3-G4-4.0-060214 @ 1147	X
5		5.0-7.0': FILL. Concrete Ecology blocks.	CO				
		7.0-8.0': FILL. (50% debis [wood, concrete, metal], 40% silt, 10% sand), brown, dry, loose, odor.	FILL				
		8.0-9.0': Poorly graded SAND with silt and gravel (60% sand, 30% gravel, 10% silt), fine to medium sand, coarse gravel, light brown, wet, loose, no odor. Perched water present.	SP-SM				
					0.4	TP-3-G4-9.0-060214 @ 1204	X
10							

Log of Test Pit: Northern Trench (TP-4)

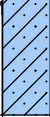
Page 1 of 1

Client: Waste Management, Inc.
Project: Glacier Recycling Property
Location: Auburn, WA

Farallon PN: 870-002

Logged By: J. Chen

Date/Time Started: 06-02-2014 / 1222 **Sampler Type:** Bucket
Date/Time Completed: **Depth of Water (ft bgs):** NE
Equipment: Takeuchi TB153FR **Total Excavation Depth (ft bgs):** 9.0'
Excavation Company: Saybr **Surveyed Location:**
Excavation Foreman: Lee Dalton **X:** 1316107.149
Excavating Method: **Y:** 116897.646

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed
0		0.0-5.0': FILL. (50% debis [wood, concrete, metal], 40% silt, 10% sand), brown, dry, loose, odor, black staining at approximately 4' bgs. Small amounts of perched water infiltrated test pit.	FILL				
5		5.0-7.0': FILL. Concrete Ecology blocks.	CO				
		7.0-8.0': FILL. (50% debis [wood, concrete, metal], 40% silt, 10% sand), brown, dry, loose, odor.	FILL				
		8.0-9.0': Poorly graded SAND with silt and gravel (60% sand, 30% gravel, 10% silt), fine to medium sand, coarse gravel, light brown, wet, loose, no odor. Perched water saturating soil.	SP-SM				
10					0.0	TP-4-G4-9.0-060214 @ 1325	X

Log of Test Pit: Northern Trench (TP-5)

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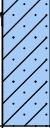
Client: Waste Management, Inc.
Project: Glacier Recycling Property
Location: Auburn, WA

Farallon PN: 870-002

Logged By: J. Chen

Date/Time Started: 06-02-2014 / 1331 **Sampler Type:** Bucket
Date/Time Completed: **Depth of Water (ft bgs):** NE
Equipment: Takeuchi TB153FR **Total Excavation Depth (ft bgs):** 9.0'
Excavation Company: Saybr **Surveyed Location:**
Excavation Foreman: Lee Dalton **X:** 1316069.405
Excavating Method: **Y:** 116889.258

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed

0		0.0-5.0': FILL. (50% debris [wood, concrete, metal], 40% silt, 10% sand), brown, dry, loose, odor, black staining at approximately 4' bgs. Small amounts of perched water infiltrated test pit.	FILL				
5		5.0-7.0': FILL. Concrete Ecology blocks.	CO		0.0	TP-5-G4-6.0-060214 @ 1410	X
		7.0-8.0': FILL. (50% debris [wood, concrete, metal], 40% silt, 10% sand), brown, dry, loose, odor.	FILL				
		8.0-9.0': Poorly graded SAND with silt and gravel (60% sand, 30% gravel, 10% silt), fine to medium sand, coarse gravel, light brown, wet, loose, no odor. Perched water saturating soil. Native soil gradually sloping up at about 18.0' west of beginning of trench. Trench ends at 20.0'. Large concrete culvert at 15.0' into trenching.	SP-SM				
10							

Log of Test Pit: Northern Trench (TP-6)

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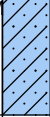
Client: Waste Management, Inc.
Project: Glacier Recycling Property
Location: Auburn, WA

Farallon PN: 870-002

Logged By: J. Chen

Date/Time Started: 06-02-2014 / 1413 **Sampler Type:** Bucket
Date/Time Completed: **Depth of Water (ft bgs):** NE
Equipment: Takeuchi TB153FR **Total Excavation Depth (ft bgs):** 9.0'
Excavation Company: Saybr **Surveyed Location:**
Excavation Foreman: Lee Dalton **X:** 1316122.24
Excavating Method: **Y:** 116843.745

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed

0		0.0-5.0': FILL. (50% debris [wood, concrete, metal], 40% silt, 10% sand), brown, dry, loose, odor, black staining at approximately 4' bgs. Small amounts of perched water infiltrated test pit.	FILL				
5		5.0-7.0': FILL. Concrete Ecology blocks.	CO		0.0	TP-6-G4-5.0-060214 @ 1451	X
		7.0-8.0': FILL. (50% debris [wood, concrete, metal], 40% silt, 10% sand), brown, dry, loose, odor.	FILL				
		8.0-9.0': Poorly graded SAND with silt and gravel (60% sand, 30% gravel, 10% silt), fine to medium sand, coarse gravel, light brown, wet, loose, no odor. Native soil around 8.0' and gradually sloping up as trenching continues south. Ecology blocks end about 10.0' south from the start of trenching. No staining observed.	SP-SM				
10							

Log of Test Pit: Southern Trench (TP-7-CEN)

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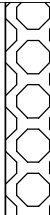
Client: Waste Management, Inc.
Project: Glacier Recycling Property
Location: Auburn, WA

Farallon PN: 870-002

Logged By: J. Chen

Date/Time Started: 06-02-2014 / 1606 **Sampler Type:** Bucket
Date/Time Completed: **Depth of Water (ft bgs):** NE
Equipment: Takeuchi TB153FR **Total Excavation Depth (ft bgs):** 5.0'
Excavation Company: Saybr **Surveyed Location:**
Excavation Foreman: Lee Dalton **X:** 1315941.034
Excavating Method: **Y:** 116492.647

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed

0	0.0-1.0': FILL (50% silt, 30% debris [wood, organics], 20% sand), fine to medium sand, black, loose, dry, odor.	FILL				
	1.0-3.0': Silty SAND (60% sand, 40% silt), fine to medium sand, brown, dry, loose, odor.	SM		43.3	TP-7-CEN-1.0-060214 @ 1717	
				63.7	TP-7-CEN-2.0-060214 @ 1730	X
	3.0-5.0': Silty SAND (60% sand, 40% silt), fine to medium sand, brown, dry, loose, no odor.	SM				
5				2.0	TP-7-CEN-5.0-060514 @ 1434	X

Log of Test Pit: Southern Trench (TP-7-CEN-E)

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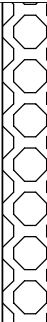
Client: Waste Management, Inc.
Project: Glacier Recycling Property
Location: Auburn, WA

Farallon PN: 870-002

Logged By: J. Chen

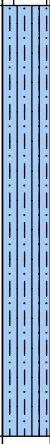
Date/Time Started: 06-03-2014 / 0921 **Sampler Type:** Bucket
Date/Time Completed: **Depth of Water (ft bgs):** NE
Equipment: Takeuchi TB153FR **Total Excavation Depth (ft bgs):** 3.0'
Excavation Company: Saybr **Surveyed Location:**
Excavation Foreman: Lee Dalton **X:** 1315986.519
Excavating Method: **Y:** 116477.962

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed

0		0.0-1.0': FILL (50% silt, 30% debris [wood, organics], 20% sand), fine to medium sand, black, loose, dry, odor.	FILL				
		1.0-3.0': Silty SAND (60% sand, 40% silt), fine to medium sand, brown, dry, loose, odor.	SM		1100	TP-7-CEN-E-1.5-060314 @ 0930	X
					73.4	TP-7-CEN-E-3.0-060314 @ 0935	X

Log of Test Pit: Southern Trench (TP-7-E)

Client: Waste Management, Inc.	Date/Time Started: 06-02-2014 / 1606	Sampler Type: Bucket
Project: Glacier Recycling Property	Date/Time Completed:	Depth of Water (ft bgs): NE
Location: Auburn, WA	Equipment: Takeuchi TB153FR	Total Excavation Depth (ft bgs): 2.0'
Farallon PN: 870-002	Excavation Company: Saybr	Surveyed Location:
Logged By: J. Chen	Excavation Foreman: Lee Dalton	X: 1316024.947
	Excavating Method:	Y: 116464.224

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed
0		0.0-1.0': FILL (50% silt, 30% debris [wood, organics], 20% sand), fine to medium sand, black, loose, dry, odor.	FILL				
		1.0-2.0': Silty SAND (60% sand, 40% silt), fine to medium sand, brown, dry, loose, odor.	SM		151	TP-7-E-1.0-060214 @ 1732	
					57.1	TP-7-E-2.0-060214 @ 1755	X

Log of Test Pit: Southern Trench (TP-7-N)

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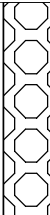
Client: Waste Management, Inc.
Project: Glacier Recycling Property
Location: Auburn, WA

Farallon PN: 870-002

Logged By: J. Chen

Date/Time Started: 06-02-2014 / 1606 **Sampler Type:** Bucket
Date/Time Completed: **Depth of Water (ft bgs):** NE
Equipment: Takeuchi TB153FR **Total Excavation Depth (ft bgs):** 5.0'
Excavation Company: Saybr **Surveyed Location:**
Excavation Foreman: Lee Dalton **X:** 1315952.617
Excavating Method: **Y:** 116515.059

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed

0	0.0-1.0': FILL (50% silt, 30% debris [wood, organics], 20% sand), fine to medium sand, black, loose, dry, odor.	FILL				
	1.0-3.0': Silty SAND (60% sand, 40% silt), fine to medium sand, brown, dry, loose, odor.	SM		60.9	TP-7-N-1.0-060214 @ 1736	X
				40.0	TP-7-N-2.0-060214 @ 1743	
	3.0-5.0': Silty SAND (60% sand, 40% silt), fine to medium sand, brown, dry, loose, no odor.	SM				
5				0.8	TP-7-N-5.0-060514 @1428	X

Log of Test Pit: Southern Trench (TP-7-SW)

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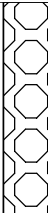
Client: Waste Management, Inc.
Project: Glacier Recycling Property
Location: Auburn, WA

Farallon PN: 870-002

Logged By: J. Chen

Date/Time Started: 06-02-2014 / 1722 **Sampler Type:** Bucket
Date/Time Completed: **Depth of Water (ft bgs):** NE
Equipment: Takeuchi TB153FR **Total Excavation Depth (ft bgs):** 5.0'
Excavation Company: Saybr **Surveyed Location:**
Excavation Foreman: Lee Dalton **X:** 1315941.006
Excavating Method: **Y:** 116454.002

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed

0	0.0-1.0': FILL (50% silt, 30% debris [wood, organics], 20% sand), fine to medium sand, black, loose, dry, odor.	FILL				
	1.0-3.0': Silty SAND (60% sand, 40% silt), fine to medium sand, brown, dry, loose, odor.	SM		0.0	TP-7-SW-1.0-060214 @ 1617	X
				0.0	TP-7-SW-2.0-060214 @ 1631	
	3.0-5.0': Silty SAND (60% sand, 40% silt), fine to medium sand, brown, dry, loose, no odor.	SM				
5				3.8	TP-7-SW-060514 @ 1441 (5 ft bgs)	X

Log of Test Pit: Southern Trench (TP-7-W)

Page 1 of 1

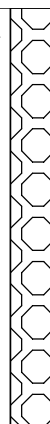
Client: Waste Management, Inc.
Project: Glacier Recycling Property
Location: Auburn, WA

Farallon PN: 870-002

Logged By: J. Chen

Date/Time Started: 06-02-2014 / 1741 **Sampler Type:** Bucket
Date/Time Completed: **Depth of Water (ft bgs):** NE
Equipment: Takeuchi TB153FR **Total Excavation Depth (ft bgs):** 2.0'
Excavation Company: Saybr **Surveyed Location:**
Excavation Foreman: Lee Dalton **X:** 1315906.727
Excavating Method: **Y:** 116454.002

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed

0		0.0-1.0': FILL (50% silt, 30% debris [wood, organics], 20% sand), fine to medium sand, gray, loose, dry, no odor.	FILL				
		1.0-2.0': Silty SAND (60% sand, 40% silt), fine to medium sand, brown, dry, loose, no odor.	SM		64.7	TP-7-W-1.0-060214 @ 1751	
					40.3	TP-7-W-2.0-060214 @ 1757	X

Log of Test Pit: TP-8

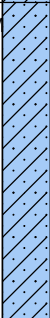
Page 1 of 1

Client: Waste Management, Inc.
Project: Glacier Recycling Property
Location: Auburn, WA

Farallon PN: 870-002

Logged By: J. Chen

Date/Time Started: 06-03-2014 / 0938 **Sampler Type:** Bucket
Date/Time Completed: **Depth of Water (ft bgs):** NE
Equipment: Takeuchi TB153FR **Total Excavation Depth (ft bgs):** 7.0'
Excavation Company: Saybr **Surveyed Location:**
Excavation Foreman: Lee Dalton **X:** 1315983.764
Excavating Method: **Y:** 116504.875

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed
0		0.0-1.0': FILL. Crushed Debris; concrete, wood, metal, bricks with small amounts of silt and sand.	FILL				
		1.0-4.0': FILL. Black stained soil, with wood debris, strong odor.	FILL		452	TP-8-1.5-060314 @ 0944	X
		4.0-5.0': Poorly graded SAND with silt and gravel (60% sand, 30% gravel, 10% silt), fine to medium sand, fine to coarse gravel, light gray to light brown, loose, slight odor.	SP-SM				
5		5.0-7.0': Poorly graded SAND with silt and gravel (60% sand, 30% gravel, 10% silt), fine to medium sand, fine to coarse gravel, brown to dark brown, loose, no odor.	SP-SM		81.6	TP-8-5.0-060314 @ 0951	
					0.2	TP-8-7.0-060514 @ 1344	X

Log of Test Pit: TP-9

Page 1 of 1

Client: Waste Management, Inc.
Project: Glacier Recycling Property
Location: Auburn, WA

Farallon PN: 870-002

Logged By: J. Chen

Date/Time Started: 06-03-2014 / 1000 **Sampler Type:** Bucket
Date/Time Completed: **Depth of Water (ft bgs):** NE
Equipment: Takeuchi TB153FR **Total Excavation Depth (ft bgs):** 8.0'
Excavation Company: Saybr **Surveyed Location:**
Excavation Foreman: Lee Dalton **X:** 1316075.092
Excavating Method: **Y:** 116462.595

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed

0	0.0-1.0': FILL. Crushed rock debris, concrete, gravel, and sand.	FILL					
	1.0-1.5': FILL. Black stained soil, slight odor.	FILL					
	1.5-5.5': FILL. Slightly stained soil.	FILL		653		TP-9-1.5-060314 @ 1007	
5	5.5-7.0': Poorly graded SAND with silt and gravel (60% sand, 30% gravel, 10% silt), fine to medium sand, fine to coarse gravel, brown to dark brown, loose, no odor.	SP-SM		31.8		TP-9-6.0-060314 @ 1000	
	7.0-8.0': Silty SAND with gravel (50% sand, 30% silt, 20% gravel), fine to medium sand, fine gravel, dark brown, moist, loose, no odor.	SM					
				0.8		TP-9-8.0-060514 @ 1354	X

Log of Test Pit: TP-10

Page 1 of 1

Client: Waste Management, Inc.
Project: Glacier Recycling Property
Location: Auburn, WA

Farallon PN: 870-002

Logged By: J. Chen

Date/Time Started: 06-03-2014 / 1010 **Sampler Type:** Bucket
Date/Time Completed: **Depth of Water (ft bgs):** NE
Equipment: Takeuchi TB153FR **Total Excavation Depth (ft bgs):** 7.0'
Excavation Company: Saybr **Surveyed Location:**
Excavation Foreman: Lee Dalton **X:** 1316087.996
Excavating Method: **Y:** 116497.294

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed
0		0.0-1.0': FILL. Crushed rock debris, concrete, gravel, and sand.	FILL				
		1.0-1.5': FILL. Black stained soil with debris, slight odor.	FILL				
		1.5-5.5': Lightly stained soil with debris, slight odor.	FILL		13.4	TP-10-1.5-060314 @ 1033	
5		5.5-7.0': Poorly graded SAND with silt and gravel (60% sand, 30% gravel, 10% silt), fine to medium sand, fine to coarse gravel, light gray, loose, no odor.	SP-SM		0.6	TP-10-6.0-060314 @ 1041	X

APPENDIX B
BASELINE SITE CONDITION INVESTIGATION
TEST PIT LOGS

ADDITIONAL SUBSURFACE INVESTIGATION REPORT
Glacier Recycling Property
32300 148th Avenue Southeast
Auburn, Washington

Farallon PN: 870-002

Log of Test Pit: A5

Page 1 of 1

Client: Waste Management, Inc.
Project: Glacier Recycling Property
Location: Auburn, WA

Farallon PN: 870-002

Logged By: J. Chen

Date/Time Started: 06-05-2014 / 1105 **Sampler Type:** Bucket
Date/Time Completed: **Depth of Water (ft bgs):** NE
Equipment: Takeuchi TB153FR **Total Excavation Depth (ft bgs):** 5.0'
Excavation Company: Saybr **Surveyed Location:**
Excavation Foreman: Lee Dalton **X:** 1315526.736
Excavating Method: **Y:** 116857.933

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed

0	0.0-1.8': FILL. Crushed rock debris, concrete, gravel, and sand.	FILL					
	1.8-2.0': FILL. Thin layer of stained soil, no odor.	FILL			8.2	A5-1.9-060514 @ 1111	X
	2.0-3.0': FILL. Crushed rock debris, concrete, gravel, sand, pieces of red brick, and fabric.	FILL					
	3.0-5.0': Poorly graded SAND with silt and gravel (60% sand, 30% gravel, 10% silt), fine to medium sand, fine to coarse gravel, light brown with multicolor grains, moist, loose, no odor.	SP-SM			2.2	A5-4.0-060514 @ 1118	
5							

Log of Test Pit: B3

Page 1 of 1

Client: Waste Management, Inc.
Project: Glacier Recycling Property
Location: Auburn, WA

Date/Time Started: 06-05-2014 / 1033 **Sampler Type:** Bucket
Date/Time Completed: **Depth of Water (ft bgs):** NE
Equipment: Takeuchi TB153FR **Total Excavation Depth (ft bgs):** 6.0'
Excavation Company: Saybr **Surveyed Location:**
Excavation Foreman: Lee Dalton **X:** 1315631.141
Excavating Method: **Y:** 117034.406

Farallon PN: 870-002

Logged By: J. Chen

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed

0	0.0-2.0': FILL. Crushed rock debris, concrete, gravel, and sand, no staining.	FILL					
	2.0-4.0': FILL. Concrete slab.	AC					
	4.0-6.0': Gravelly SILT with sand (50% silt, 30% gravel, 20% sand), fine to coarse gravel fine sand, dark brown, dry, loose, no odor.	ML					
5					0.3	B3-6.0-060514 @ 1038	X

Log of Test Pit: C1

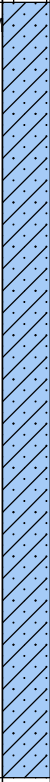
Page 1 of 1

Client: Waste Management, Inc.
Project: Glacier Recycling Property
Location: Auburn, WA

Farallon PN: 870-002

Logged By: J. Chen

Date/Time Started: 06-05-2014 / 0942 **Sampler Type:** Bucket
Date/Time Completed: **Depth of Water (ft bgs):** NE
Equipment: Takeuchi TB153FR **Total Excavation Depth (ft bgs):** 4.0'
Excavation Company: Saybr **Surveyed Location:**
Excavation Foreman: Lee Dalton **X:** 1315733.741
Excavating Method: **Y:** 117222.794

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed
0		0.0-1.0': FILL. Crushed rock debris, concrete, gravel, sand, and organics.	FILL				
		1.0-4.0': Poorly graded SAND with silt and gravel (60% sand, 30% gravel, 10% silt), fine to medium sand, fine to coarse gravel, brown, moist, loose, no odor.	SP-SM		3.1	C1-3.0-060514 @ 0950	X
5							

Log of Test Pit: C4

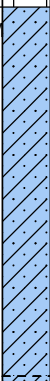
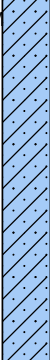
Page 1 of 1

Client: Waste Management, Inc.
Project: Glacier Recycling Property
Location: Auburn, WA

Farallon PN: 870-002

Logged By: J. Chen

Date/Time Started: 06-05-2014 / 1048 **Sampler Type:** Bucket
Date/Time Completed: **Depth of Water (ft bgs):** NE
Equipment: Takeuchi TB153FR **Total Excavation Depth (ft bgs):** 6.0'
Excavation Company: Saybr **Surveyed Location:**
Excavation Foreman: Lee Dalton **X:** 1315714.573
Excavating Method: **Y:** 116951.386

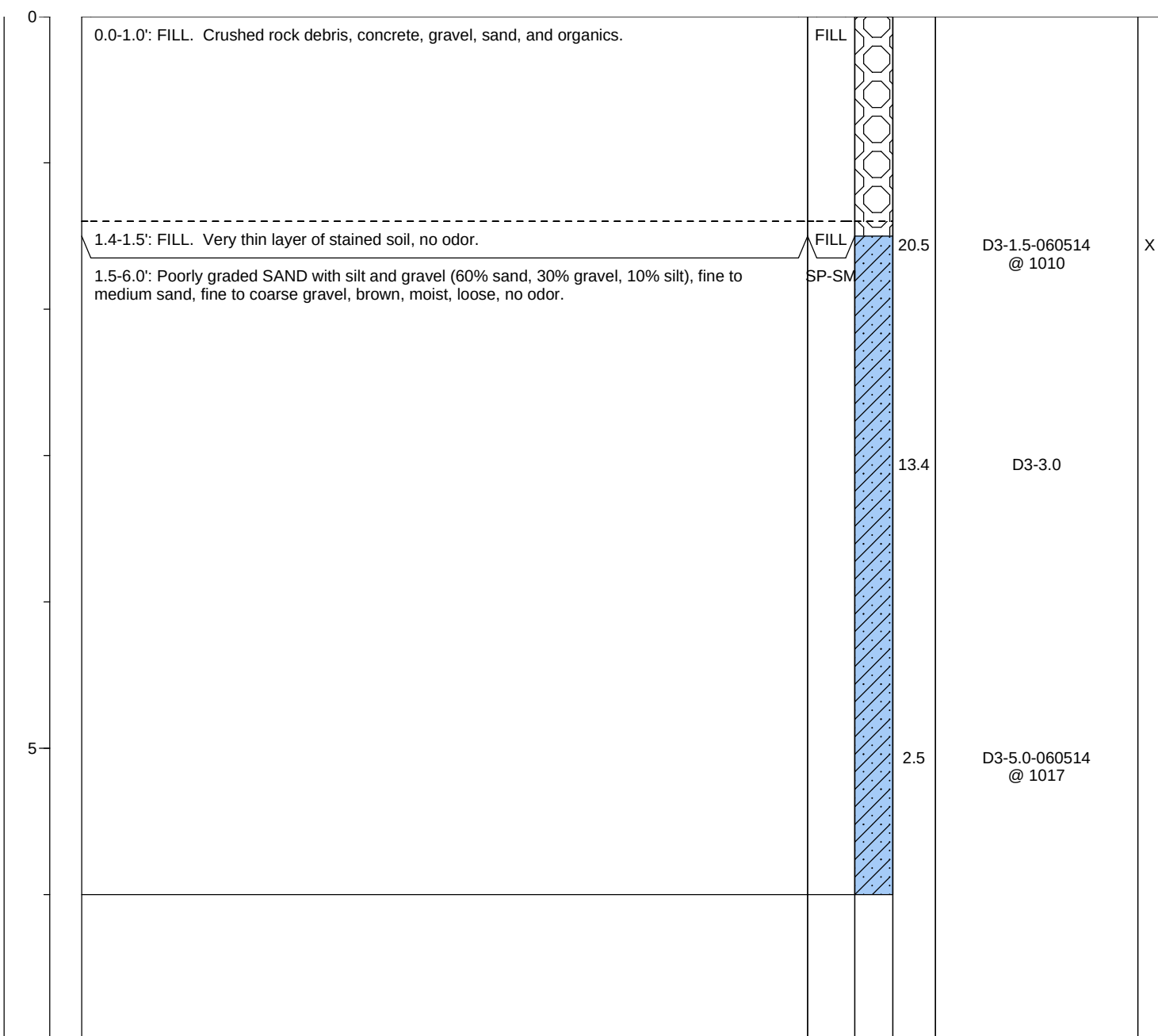
Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed
0		0.0-2.0': FILL. Crushed rock debris, concrete, gravel, and sand. Layer of fabric between fill and native soil.	FILL				
		2.0-4.0': Poorly graded SAND with silt and gravel (60% sand, 30% gravel, 10% silt), fine to medium sand, fine to coarse gravel, brown, moist, loose, no odor.	SP-SM		6.4	C4-3.0	
		4.0-6.0': Poorly graded SAND with silt and gravel (50% sand, 40% gravel, 10% silt), fine to medium sand, fine to coarse gravel, dark brown, moist, loose, no odor.	SP-SM		1.5	C4-5.0-060514 @ 1058	X
5							

Log of Test Pit: D3

Page 1 of 1

Client: Waste Management, Inc.	Date/Time Started: 06-05-2014 / 1003	Sampler Type: Bucket
Project: Glacier Recycling Property	Date/Time Completed:	Depth of Water (ft bgs): NE
Location: Auburn, WA	Equipment: Takeuchi TB153FR	Total Excavation Depth (ft bgs): 6.0'
Farallon PN: 870-002	Excavation Company: Saybr	Surveyed Location:
Logged By: J. Chen	Excavation Foreman: Lee Dalton	X: 1315844.876
	Excavating Method:	Y: 117005.396

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed



Log of Test Pit: D8

Page 1 of 1

Client: Waste Management, Inc.
Project: Glacier Recycling Property
Location: Auburn, WA

Farallon PN: 870-002

Logged By: J. Chen

Date/Time Started: 06-05-2014 / 1140 **Sampler Type:** Bucket
Date/Time Completed: **Depth of Water (ft bgs):** NE
Equipment: Takeuchi TB153FR **Total Excavation Depth (ft bgs):** 3.5'
Excavation Company: Saybr **Surveyed Location:**
Excavation Foreman: Lee Dalton **X:** 1315830.262
Excavating Method: **Y:** 116547.155

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed
0		0.0-2.0': Gravel.	GP				
		2.0-3.5': Silty SAND with gravel (50% sand, 30% silt, 20% gravel), fine to coarse sand, fine to coarse gravel, dark brown, moist, loose, no odor.	SM		4.3	D8-3.0-060514 @ 1140	X

Log of Test Pit: E1

Page 1 of 1

Client: Waste Management, Inc.
Project: Glacier Recycling Property
Location: Auburn, WA

Farallon PN: 870-002

Logged By: J. Chen

Date/Time Started: 06-05-2014 / 0852 **Sampler Type:** Bucket
Date/Time Completed: **Depth of Water (ft bgs):** NE
Equipment: Takeuchi TB153FR **Total Excavation Depth (ft bgs):** 4.0'
Excavation Company: Saybr **Surveyed Location:**
Excavation Foreman: Lee Dalton **X:** 1315939.992
Excavating Method: **Y:** 117222.638

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed

0	0.0-1.8': FILL. Crushed rock debris, concrete, gravel, and sand.	FILL					
	1.8-2.0': FILL. Very thin layer of stained soil with wood chips, no odor.	FILL			0.7	E1-1.9-060514 @ 0858	X
	2.0-4.0': Poorly graded SAND with silt and gravel (60% sand, 30% gravel, 10% silt), fine to medium sand, fine to coarse gravel, orange brown, loose, no odor.	SP-SM			1.0	E1-3.0-060514 @ 0904	
5							

Log of Test Pit: E2

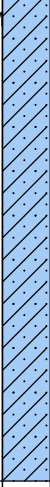
Page 1 of 1

Client: Waste Management, Inc.
Project: Glacier Recycling Property
Location: Auburn, WA

Farallon PN: 870-002

Logged By: J. Chen

Date/Time Started: 06-04-2014 / 1640 **Sampler Type:** Bucket
Date/Time Completed: **Depth of Water (ft bgs):** NE
Equipment: Takeuchi TB153FR **Total Excavation Depth (ft bgs):** 3.0'
Excavation Company: Saybr **Surveyed Location:**
Excavation Foreman: Lee Dalton **X:** 1315938.566
Excavating Method: **Y:** 117094.092

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed
0		0.0-1.3': FILL. Crushed rock debris, concrete, gravel, sand, and large amounts of wood chips.	FILL				
		1.3-1.5': FILL. Stained soil with wood debris, slight odor.	FILL				
		1.3-3.0': Poorly graded SAND with silt and gravel (50% sand, 40% gravel, 10% silt), fine to medium sand, fine to coarse gravel, light brown, moist, loose, no odor.	SP-SM		2.8	E2-1.5-060414 @ 1640	X
					1.7	E2-3.0-060414 @ 1645	

Log of Test Pit: E3

Page 1 of 1

Client: Waste Management, Inc.
Project: Glacier Recycling Property
Location: Auburn, WA

Farallon PN: 870-002

Logged By: J. Chen

Date/Time Started: 06-05-2014 / 0834 **Sampler Type:** Bucket
Date/Time Completed: **Depth of Water (ft bgs):** NE
Equipment: Takeuchi TB153FR **Total Excavation Depth (ft bgs):** 4.0'
Excavation Company: Saybr **Surveyed Location:**
Excavation Foreman: Lee Dalton **X:** 1315941.865
Excavating Method: **Y:** 117005.229

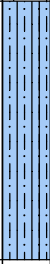
Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed

0	0.0-1.0': FILL. Crushed rock debris, concrete, gravel, and sand.	FILL					
	1.0-4.0': Poorly graded SAND with silt and gravel (60% sand, 30% gravel, 10% silt), fine to medium sand, fine to coarse gravel, brown with multicolor grains, moist, loose, no odor.	SP-SM					
					0.6	E3-3.0-060514 @ 0841	X
5							

Log of Test Pit: E7

Page 1 of 1

Client: Waste Management, Inc.	Date/Time Started: 06-03-2014 / 1554	Sampler Type: Bucket
Project: Glacier Recycling Property	Date/Time Completed:	Depth of Water (ft bgs): NE
Location: Auburn, WA	Equipment: Takeuchi TB153FR	Total Excavation Depth (ft bgs): 5.0'
Farallon PN: 870-002	Excavation Company: Saybr	Surveyed Location:
Logged By: J. Chen	Excavation Foreman: Lee Dalton	X: 1315935.966
	Excavating Method:	Y: 116613.711

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed
0		0.0-3.0': FILL. Crushed rock debris, concrete, gravel, and sand. Distinct stained soil/debris occurs at 1.5' bgs.	FILL			E7-1.5-060314 @ 1600	X
		3.0-4.0': Silty SAND with gravel (50% sand, 30% gravel, 20% silt), fine to coarse sand, fine to coarse gravel, orange-brown, loose, dry, no odor.	SM			E7-4.0-060314 @ 1605	X
5							

Log of Test Pit: E8

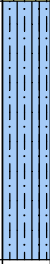
Page 1 of 1

Client: Waste Management, Inc.
Project: Glacier Recycling Property
Location: Auburn, WA

Farallon PN: 870-002

Logged By: J. Chen

Date/Time Started: 06-03-2014 / 0821 **Sampler Type:** Bucket
Date/Time Completed: **Depth of Water (ft bgs):** NE
Equipment: Takeuchi TB153FR **Total Excavation Depth (ft bgs):** 4.0'
Excavation Company: Saybr **Surveyed Location:**
Excavation Foreman: Lee Dalton **X:** 1315932.038
Excavating Method: **Y:** 116548.306

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed
0		0.0-2.0': FILL. Crushed rock debris, concrete, and trash with wood and sand.	FILL				
		2.0-3.0': FILL. Gravelly SILT with sand (50% silt, 30% gravel, 20% sand), coarse gravel, fine sand, black, dry, very dense, slight trash-like odor, fabric layer at 3.0' bgs.	ML		27.9	E8-2.5-060314 @ 0835	X
		3.0-4.0': Silty SAND with gravel (50% sand, 30% silt, 20% gravel), fine to medium sand, fine to coarse gravel, orange brown, dry, very dense, no odor.	SM		47.0	E8-3.5-060314 @ 0858	X
5							

Log of Test Pit: F1

Page 1 of 1

Client: Waste Management, Inc.
Project: Glacier Recycling Property
Location: Auburn, WA

Farallon PN: 870-002

Logged By: J. Chen

Date/Time Started: 06-04-2014 / 1549 **Sampler Type:** Bucket
Date/Time Completed: **Depth of Water (ft bgs):** NE
Equipment: Takeuchi TB153FR **Total Excavation Depth (ft bgs):** 3.0'
Excavation Company: Saybr **Surveyed Location:**
Excavation Foreman: Lee Dalton **X:** 1316043.163
Excavating Method: **Y:** 117233.321

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed
0		0.0-0.9': FILL. Crushed rock debris, concrete, gravel, and sand.	FILL				
		0.9-3.0': Sandy SILT with gravel (60% silt, 25% sand, 15% gravel), fine to medium sand, fine to coarse gravel, brown, moist, loose, no odor.	ML				
					2.7	F1-3.0-060414 @ 1555	X

Log of Test Pit: F2

Page 1 of 1

Client: Waste Management, Inc.	Date/Time Started: 06-04-2014 / 1600	Sampler Type: Bucket
Project: Glacier Recycling Property	Date/Time Completed:	Depth of Water (ft bgs): NE
Location: Auburn, WA	Equipment: Takeuchi TB153FR	Total Excavation Depth (ft bgs): 3.5'
Farallon PN: 870-002	Excavation Company: Saybr	Surveyed Location:
Logged By: J. Chen	Excavation Foreman: Lee Dalton	X: 1316027.523
	Excavating Method:	Y: 117106.979

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed

0	0.0-1.0': FILL. Crushed rock debris, concrete, gravel, and sand.	FILL					
	1.0-1.2': FILL. Stained soil with odor.	ML			2.8	F2-1.0-060414 @ 1630	X
	1.2-3.5': Well-graded GRAVEL with sand and silt (50% gravel, 40% sand, 10% silt), fine to coarse gravel, fine to coarse sand, light brown, moist, loose, no odor.	GP-GM					
					1.4	F2-3.5-060414 @ 1605	

Log of Test Pit: F3

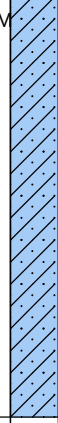
Page 1 of 1

Client: Waste Management, Inc.
Project: Glacier Recycling Property
Location: Auburn, WA

Farallon PN: 870-002

Logged By: J. Chen

Date/Time Started: 06-04-2014 / 1640 **Sampler Type:** Bucket
Date/Time Completed: **Depth of Water (ft bgs):** NE
Equipment: Takeuchi TB153FR **Total Excavation Depth (ft bgs):** 3.0'
Excavation Company: Saybr **Surveyed Location:**
Excavation Foreman: Lee Dalton **X:** 1316027.879
Excavating Method: **Y:** 117035.429

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed
0		0.0-1.0': FILL. Crushed rock debris, concrete, gravel, and sand.	FILL				
		1.0-1.7': FILL. Stained soil, slight odor.	FILL		1.3	F3-1.5-060414 @ 1648	X
		1.3-3.0': Poorly graded SAND with silt and gravel (50% sand, 40% gravel, 10% silt), fine to medium sand, fine to coarse gravel, light to dark brown, dry, loose, no odor.	SP-SM		2.4	F3-3.0-060414 @ 1653	X

Log of Test Pit: F7

Page 1 of 1

Client: Waste Management, Inc.
Project: Glacier Recycling Property
Location: Auburn, WA

Farallon PN: 870-002

Logged By: J. Chen

Date/Time Started: 06-03-2014 / 1605 **Sampler Type:** Bucket
Date/Time Completed: **Depth of Water (ft bgs):** NE
Equipment: Takeuchi TB153FR **Total Excavation Depth (ft bgs):** 5.0'
Excavation Company: Saybr **Surveyed Location:**
Excavation Foreman: Lee Dalton **X:** 1316030.255
Excavating Method: **Y:** 116605.017

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed

0		0.0-3.0': FILL. Crushed rock debris, concrete, gravel, and sand. Abandoned sewer line present at 2.0 bgs.	FILL				
		3.0-5.0': Poorly graded SAND with silt and gravel (60% sand, 30% gravel, 10% silt), fine to medium sand, fine gravel, light brown to light gray, loose, no odor.	SW-SM				
5						F7-5.0-060314 @ 1610	X

Log of Test Pit: F8

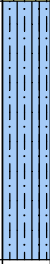
Page 1 of 1

Client: Waste Management, Inc.
Project: Glacier Recycling Property
Location: Auburn, WA

Farallon PN: 870-002

Logged By: J. Chen

Date/Time Started: 06-03-2014 / 0906 **Sampler Type:** Bucket
Date/Time Completed: **Depth of Water (ft bgs):** NE
Equipment: Takeuchi TB153FR **Total Excavation Depth (ft bgs):** 4.0'
Excavation Company: Saybr **Surveyed Location:**
Excavation Foreman: Lee Dalton **X:** 1316023.951
Excavating Method: **Y:** 116545.53

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed
0		0.0-2.0': FILL. Crushed rock debris, concrete, and trash with wood and sand.	FILL				
		2.0-3.0': Gravelly SILT with sand (50% silt, 30% gravel, 20% sand), coarse gravel, fine sand, black, dry, very dense, slight odor, fabric layer at 3.0' bgs.	ML		0.5	F8-2.5-060314 @ 0916	X
		3.0-4.0': Silty SAND with gravel (50% sand, 30% silt, 20% gravel), fine to medium sand, fine to coarse gravel, orange brown, dry, very dense, no odor.	SM		1.0	F8-3.5-060314 @ 0922	X
5							

Log of Test Pit: G1

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Client: Waste Management, Inc.
Project: Glacier Recycling Property
Location: Auburn, WA

Farallon PN: 870-002

Logged By: J. Chen

Date/Time Started: 06-04-2014 / 1542 **Sampler Type:** Bucket
Date/Time Completed: **Depth of Water (ft bgs):** NE
Equipment: Takeuchi TB153FR **Total Excavation Depth (ft bgs):** 3.0'
Excavation Company: Saybr **Surveyed Location:**
Excavation Foreman: Lee Dalton **X:** 1316145.188
Excavating Method: **Y:** 117217.975

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed
0		0.0-1.5': FILL. Crushed rock debris, concrete, gravel, and sand.	FILL				
		1.5-3.0': Sandy SILT with gravel (50% silt, 35% sand, 15% gravel), fine to medium sand, fine to coarse gravel, dark brown, moist, loose, no odor.	ML				
					1.2	G1-3.0-060414 @ 1549	X

Log of Test Pit: G2

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Client: Waste Management, Inc.
Project: Glacier Recycling Property
Location: Auburn, WA

Farallon PN: 870-002

Logged By: J. Chen

Date/Time Started: 06-04-2014 / 1510 **Sampler Type:** Bucket
Date/Time Completed: **Depth of Water (ft bgs):** NE
Equipment: Takeuchi TB153FR **Total Excavation Depth (ft bgs):** 4.0'
Excavation Company: Saybr **Surveyed Location:**
Excavation Foreman: Lee Dalton **X:** 1316132.847
Excavating Method: **Y:** 117131.195

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed

0	0.0-1.5': FILL. Crushed rock debris, concrete, gravel, and sand.	FILL					
	1.5-3.0': Asphalt/shingles/bricks with silt and sand, no odor.	FILL					
	3.0-4.0': Well-graded GRAVEL with silt and sand (60% gravel, 30% sand, 10% silt), fine to coarse gravel, fine to coarse sand, light brown, moist, loose, no odor.	GP-GM					
					2.3	G2-4.0-060414 @ 1520	
5							

Log of Test Pit: G3

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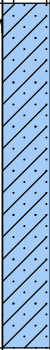
Client: Waste Management, Inc.
Project: Glacier Recycling Property
Location: Auburn, WA

Farallon PN: 870-002

Logged By: J. Chen

Date/Time Started: 06-04-2014 / 1446 **Sampler Type:** Bucket
Date/Time Completed: **Depth of Water (ft bgs):** NE
Equipment: Takeuchi TB153FR **Total Excavation Depth (ft bgs):** 3.5'
Excavation Company: Saybr **Surveyed Location:**
Excavation Foreman: Lee Dalton **X:** 1316152.968
Excavating Method: **Y:** 117046.036

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed

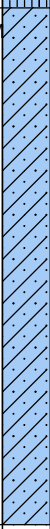
0		0.0-2.0': FILL. Crushed rock debris, concrete, gravel, and sand.	FILL				
		2.0-2.3': FILL. Stained soil with wood debris, slight odor.	FILL		1.8	G3-2.2-060414 @ 1452	X
		2.3-3.5': Poorly graded SAND with silt and gravel (70% sand, 20% gravel, 10% silt), fine to medium sand, fine to coarse gravel, light brown with multicolor grains, moist, loose, no odor.	SP-SM		1.6	G3-3.5-060414 @ 1501	

Log of Test Pit: G4

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Client: Waste Management, Inc.	Date/Time Started: 06-04-2014 / 1250	Sampler Type: Bucket
Project: Glacier Recycling Property	Date/Time Completed:	Depth of Water (ft bgs): NE
Location: Auburn, WA	Equipment: Takeuchi TB153FR	Total Excavation Depth (ft bgs): 4.0'
Farallon PN: 870-002	Excavation Company: Saybr	Surveyed Location:
Logged By: J. Chen	Excavation Foreman: Lee Dalton	X: 1316171.811
	Excavating Method:	Y: 116931.132

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed

0	0.0-1.5': FILL. Crushed rock debris, concrete, gravel, and sand.	FILL					
	1.5-1.7': FILL. Very thin layer of stained soil, slight odor.	FILL		0.9		G4-1.5-060414 @ 1258	X
	1.7-2.0': Silty SAND with gravel (50% sand, 30% silt, 20% gravel), fine to medium sand, fine to coarse gravel, orange brown, dry, loose, no odor.	SM					
	2.0-4.0': Poorly graded SAND with silt and gravel (60% sand, 30% gravel, 10% silt), fine to medium sand, fine to coarse gravel, light brown, dry, loose, no odor.	SP-SM		1.3		G4-3.0-060414 @ 1310	
5							

Log of Test Pit: G5,6

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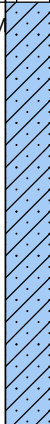
Client: Waste Management, Inc.
Project: Glacier Recycling Property
Location: Auburn, WA

Farallon PN: 870-002

Logged By: J. Chen

Date/Time Started: 06-05-2014 / 1210 **Sampler Type:** Bucket
Date/Time Completed: **Depth of Water (ft bgs):** NE
Equipment: Takeuchi TB153FR **Total Excavation Depth (ft bgs):** 5.0'
Excavation Company: Saybr **Surveyed Location:**
Excavation Foreman: Lee Dalton **X:** 1316181.798
Excavating Method: **Y:** 116845.84

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed

0	0.0-2.0': FILL. Crushed rock debris, concrete, gravel, and sand.	FILL					
	2.0-2.5': FILL. Stained soil layer with wood and debris, strong odor.	FILL					
	2.5-3.0': FILL. Crushed rock debris, concrete, gravel, and sand.	FILL		13.6	G5,6-2.5-060514 @ 1222	X	
	3.0-5.0': Poorly graded SAND with silt and gravel (70% sand, 20% gravel, 10% silt), fine to medium sand, fine to coarse gravel, light brown with multicolor grains, moist, loose, no odor.	SP-SM		0.5	G5,6-4.0-060514 @ 1230		
5							

Log of Test Pit: G5

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Client: Waste Management, Inc.
Project: Glacier Recycling Property
Location: Auburn, WA

Farallon PN: 870-002

Logged By: J. Chen

Date/Time Started: 06-04-2014 / 1156 **Sampler Type:** Bucket
Date/Time Completed: **Depth of Water (ft bgs):** NE
Equipment: Takeuchi TB153FR **Total Excavation Depth (ft bgs):** 5.0'
Excavation Company: Saybr **Surveyed Location:**
Excavation Foreman: Lee Dalton **X:** 1316120.447
Excavating Method: **Y:** 116763.828

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed

0	0.0-2.0': FILL. Crushed rock debris, concrete, gravel, and sand.	FILL					
	2.0-3.0': FILL. Soil with burned/charred wood, very bright orange silt, and sand mixed with wood.	FILL					
	3.0-5.0': Silty SAND with gravel (50% sand, 30% silt, 20% gravel), fine to medium sand, fine gravel, orange brown, dry, loose, no odor.	SM					
5					1.9	G5-4.0-060414 @ 1202	X

Log of Test Pit: G6

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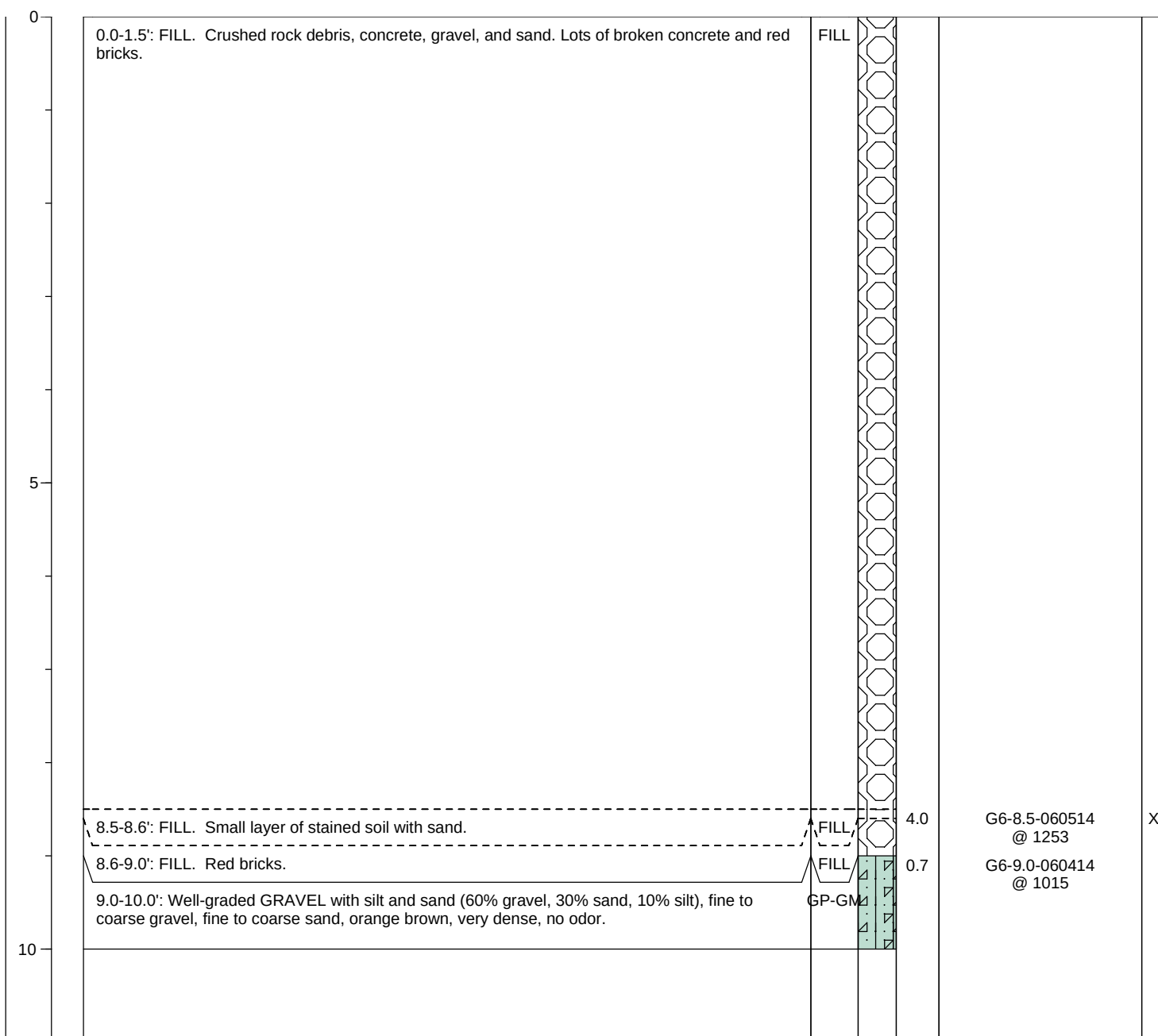
Client: Waste Management, Inc.
Project: Glacier Recycling Property
Location: Auburn, WA

Farallon PN: 870-002

Logged By: J. Chen

Date/Time Started: 06-04-2014 / 1015 **Sampler Type:** Bucket
Date/Time Completed: **Depth of Water (ft bgs):** NE
Equipment: Takeuchi TB153FR **Total Excavation Depth (ft bgs):** 10.0'
Excavation Company: Saybr **Surveyed Location:**
Excavation Foreman: Lee Dalton **X:** 1316176.852
Excavating Method: **Y:** 116679.376

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed



Log of Test Pit: G7

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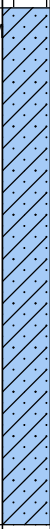
Client: Waste Management, Inc.
Project: Glacier Recycling Property
Location: Auburn, WA

Farallon PN: 870-002

Logged By: J. Chen

Date/Time Started: 06-04-2014 / 0848 **Sampler Type:** Bucket
Date/Time Completed: **Depth of Water (ft bgs):** NE
Equipment: Takeuchi TB153FR **Total Excavation Depth (ft bgs):** 4.0'
Excavation Company: Saybr **Surveyed Location:**
Excavation Foreman: Lee Dalton **X:** 1316140.101
Excavating Method: **Y:** 116608.188

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed

0		0.0-2.0': FILL. Crushed rock debris, concrete, gravel, and sand. Stained soil with large gravel and slight odor at 1.5' bgs.	FILL		0.6	G7-1.5-060414 @ 0858	X
		2.0-4.0': Poorly graded SAND with silt and gravel (60% sand, 30% gravel, 10% silt), fine to medium sand, fine to coarse gravel, light gray, very dense, no odor.	SP-SM		1.4	G7-3.0-060414 @ 0904	X
5							

Log of Test Pit: G8

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Client: Waste Management, Inc.
Project: Glacier Recycling Property
Location: Auburn, WA

Farallon PN: 870-002

Logged By: J. Chen

Date/Time Started: 06-03-2014 / 1428 **Sampler Type:** Bucket
Date/Time Completed: **Depth of Water (ft bgs):** NE
Equipment: Takeuchi TB153FR **Total Excavation Depth (ft bgs):** 5.0'
Excavation Company: Saybr **Surveyed Location:**
Excavation Foreman: Lee Dalton **X:** 1316131.078
Excavating Method: **Y:** 116534.207

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed

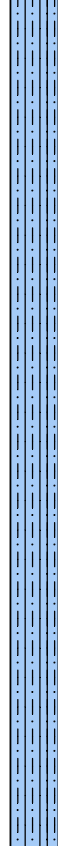
0	0.0-1.5': FILL. Crushed rock debris, concrete, gravel, and sand.	FILL					
	1.5-2.0': FILL. Soil composed mostly of wood chips and silt. Distinct staining.	FILL		3.2		G8-1.5-060314 @ 1435	X
	2.0-4.0': Silty SAND with gravel (50% silt, 30% sand, and 20% gravel), fine to medium sand, fine to coarse gravel, dark brown, loos., no odor.	SM					
				0.6		G8-4.0-060314 @ 1440	
5							

Log of Test Pit: G9-N

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Client: Waste Management, Inc.	Date/Time Started: 06-03-2014 / 1006	Sampler Type: Bucket
Project: Glacier Recycling Property	Date/Time Completed:	Depth of Water (ft bgs): NE
Location: Auburn, WA	Equipment: Takeuchi TB153FR	Total Excavation Depth (ft bgs): 6.0'
Farallon PN: 870-002	Excavation Company: Saybr	Surveyed Location:
Logged By: J. Chen	Excavation Foreman: Lee Dalton	X: 1316119.253
	Excavating Method:	Y: 116458.296

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed

0	0.0-1.0': FILL. Crushed rock debris, concrete, gravel, and sand.	FILL					
	1.0-1.5': FILL. Black stained soil, slight odor.	FILL					
	1.5-5.5': Silty SAND with gravel (50% sand, 30% silt, and 20% gravel), fine to medium sand, fine gravel, dark brown, moist, no odor, slight staining.	SM		397		G9-1.5-060314 @ 1013	X
5	5.5-6.0': Poorly graded SAND with silt and gravel (60% sand, 30% gravel, 10% silt), fine to medium sand, fine to coarse gravel, brown to dark brown, no odor.	SP-SM					

Log of Test Pit: H2

Page 1 of 1

Client: Waste Management, Inc.	Date/Time Started: 06-04-2014 / 1531	Sampler Type: Bucket
Project: Glacier Recycling Property	Date/Time Completed:	Depth of Water (ft bgs): NE
Location: Auburn, WA	Equipment: Takeuchi TB153FR	Total Excavation Depth (ft bgs): 3.5'
Farallon PN: 870-002	Excavation Company: Saybr	Surveyed Location:
Logged By: J. Chen	Excavation Foreman: Lee Dalton	X: 1316223.413
	Excavating Method:	Y: 117137.984

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed

0		0.0-2.0': FILL. Crushed rock debris, concrete, gravel, and sand.	FILL				
		2.0-2.2': FILL. Broken bricks.	FILL				
		2.2-2.3': FILL. Stained soil with odor.	FILL		1.2	H2-2.2-060414 @ 1539	X
		2.3-3.5': Well-graded GRAVEL with silt and sand (60% gravel, 30% sand, 10% silt), fine to coarse gravel, fine to coarse sand, light brown, moist, loose, no odor.	GP-GM		1.2	H2-3.5-060414 @ 1530	

Log of Test Pit: H3

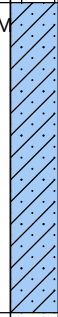
Page 1 of 1

Client: Waste Management, Inc.
Project: Glacier Recycling Property
Location: Auburn, WA

Farallon PN: 870-002

Logged By: J. Chen

Date/Time Started: 06-04-2014 / 1422 **Sampler Type:** Bucket
Date/Time Completed: **Depth of Water (ft bgs):** NE
Equipment: Takeuchi TB153FR **Total Excavation Depth (ft bgs):** 4.0'
Excavation Company: Saybr **Surveyed Location:**
Excavation Foreman: Lee Dalton **X:** 1316244.398
Excavating Method: **Y:** 117036.838

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed
0		0.0-2.5': FILL. Crushed rock debris, concrete, gravel, and sand.	FILL				
		2.5-2.8': FILL. Asphalt, no odor.	FILL				
		2.8-3.5': Poorly graded SAND with silt and gravel (70% sand, 20% gravel, 10% silt), fine to medium sand, fine to coarse gravel, light brown with multicolor grains, moist, loose, no odor.	SP-SM				
					1.4	H3-4.0-060414 @ 1430	X
5							

Log of Test Pit: H4

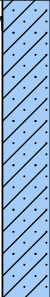
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Client: Waste Management, Inc.
Project: Glacier Recycling Property
Location: Auburn, WA

Farallon PN: 870-002

Logged By: J. Chen

Date/Time Started: 06-04-2014 / 1250 **Sampler Type:** Bucket
Date/Time Completed: **Depth of Water (ft bgs):** NE
Equipment: Takeuchi TB153FR **Total Excavation Depth (ft bgs):** 5.5'
Excavation Company: Saybr **Surveyed Location:**
Excavation Foreman: Lee Dalton **X:** 1316246.654
Excavating Method: **Y:** 116936.169

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed
0		0.0-3.0': FILL. Crushed rock debris, concrete, gravel, and sand.	FILL				
		3.0-4.0': FILL. Asphalt with shingles.	FILL				
		4.0-5.5': Poorly graded SAND with silt (80% sand, 10% gravel, 10% silt), fine to medium sand, fine gravel, greenish brown with multicolor grains, moist, loose, no odor.	SP-SM		1.5	H4-5.0-060414 @ 1333	X
5							

Log of Test Pit: H5

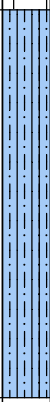
Page 1 of 1

Client: Waste Management, Inc.
Project: Glacier Recycling Property
Location: Auburn, WA

Farallon PN: 870-002

Logged By: J. Chen

Date/Time Started: 06-04-2014 / 1122 **Sampler Type:** Bucket
Date/Time Completed: **Depth of Water (ft bgs):** NE
Equipment: Takeuchi TB153FR **Total Excavation Depth (ft bgs):** 4.0'
Excavation Company: Saybr **Surveyed Location:**
Excavation Foreman: Lee Dalton **X:** 1316257.474
Excavating Method: **Y:** 116835.341

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed
0		0.0-1.5': FILL. Crushed rock debris, concrete, gravel, and sand.	FILL				
		1.5-2.5': FILL. Stained soil with silt, very dense.	FILL		2.3	H5-2.0-060414 @ 1138	X
		2.5-4.0': Silty SAND with gravel (50% sand, 30% silt, 20% gravel), fine to medium sand, fine gravel, reddish brown, dry, loose, no odor.	SM		1.6	H5-3.5-060414 @ 1130	X
5							

Log of Test Pit: H6

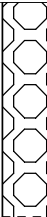
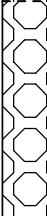
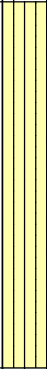
Page 1 of 1

Client: Waste Management, Inc.
Project: Glacier Recycling Property
Location: Auburn, WA

Farallon PN: 870-002

Logged By: J. Chen

Date/Time Started: 06-04-2014 / 1030 **Sampler Type:** Bucket
Date/Time Completed: **Depth of Water (ft bgs):** NE
Equipment: Takeuchi TB153FR **Total Excavation Depth (ft bgs):** 5.0'
Excavation Company: Saybr **Surveyed Location:**
Excavation Foreman: Lee Dalton **X:** 1316249.965
Excavating Method: **Y:** 116734.33

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed
0		0.0-1.0': FILL. Crushed rock debris, concrete, gravel, and sand.	FILL				
		1.0-2.0': FILL. Stained wood debris with some silt and trash, strong rotten egg odor.	FILL		44	H6-1.5-060414 @ 1036	X
		2.0-3.7': Gravelly SILT (60% silt, 30% gravel, 10% sand) with wood debris, fine to coarse gravel, fine sand, dark brown, dry, loose, no odor.	ML				
		3.7-5.0': Well-graded GRAVEL with silt and sand (60% gravel, 30% sand, 10% silt), fine to coarse gravel, fine to coarse sand, orange brown, dry, loose, no odor.	GP-GM		1.4	H6-4.0-060414 @ 1045	X
5							

Log of Test Pit: H7

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Client: Waste Management, Inc.	Date/Time Started: 06-04-2014 / 0910	Sampler Type: Bucket
Project: Glacier Recycling Property	Date/Time Completed:	Depth of Water (ft bgs): NE
Location: Auburn, WA	Equipment: Takeuchi TB153FR	Total Excavation Depth (ft bgs): 4.0'
Farallon PN: 870-002	Excavation Company: Saybr	Surveyed Location:
Logged By: J. Chen	Excavation Foreman: Lee Dalton	X: 1316246.633
	Excavating Method:	Y: 116644.054

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed

0	0.0-1.5': FILL. Crushed rock debris, concrete, gravel, and sand.	FILL					
	1.5-2.0': FILL. Stained soil with sand, silt, gravel, wood/organics, slight petroleum-like odor.	FILL			1.2	H7-1.5-060414 @ 0916	X
	2.0-4.0': Poorly graded SAND with silt and gravel (60% sand, 30% gravel, 10% silt), fine to medium sand, fine to coarse gravel, tan to orange brown, moist, loose, no odor.	SP-SM			1.6	H7-3.0-060414 @ 0930	
5							

Log of Test Pit: H8

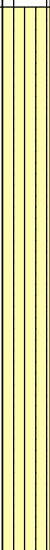
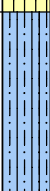
Page 1 of 1

Client: Waste Management, Inc.
Project: Glacier Recycling Property
Location: Auburn, WA

Farallon PN: 870-002

Logged By: J. Chen

Date/Time Started: 06-03-2014 / 1458 **Sampler Type:** Bucket
Date/Time Completed: **Depth of Water (ft bgs):** NE
Equipment: Takeuchi TB153FR **Total Excavation Depth (ft bgs):** 5.0'
Excavation Company: Saybr **Surveyed Location:**
Excavation Foreman: Lee Dalton **X:** 1316244.692
Excavating Method: **Y:** 116528.935

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed
0		0.0-2.5': FILL. Crushed rock debris, concrete, gravel, and sand.	FILL				
		2.0-5.0': Sandy SILT with gravel (50% silt, 30% sand, and 20% gravel), fine to medium sand, fine to coarse gravel, dark brown, moist, no odor.	ML				
5		5.0-6.0': Silty SAND with gravel (50% sand, 30% silt, and 20% gravel), fine to medium sand, fine to coarse gravel, light brown, dry, no odor.	SM				
					0.3	H8-6.0-060314 @ 1504	X

Log of Test Pit: H9-N

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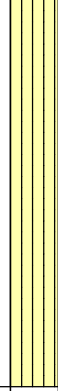
Client: Waste Management, Inc.
Project: Glacier Recycling Property
Location: Auburn, WA

Farallon PN: 870-002

Logged By: J. Chen

Date/Time Started: 06-03-2014 / 1446 **Sampler Type:** Bucket
Date/Time Completed: **Depth of Water (ft bgs):** NE
Equipment: Takeuchi TB153FR **Total Excavation Depth (ft bgs):** 5.0'
Excavation Company: Saybr **Surveyed Location:**
Excavation Foreman: Lee Dalton **X:** 1316229.572
Excavating Method: **Y:** 116469.854

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed

0		0.0-2.5': FILL. Crushed rock debris, concrete, gravel, and sand.	FILL		0.2	H9-N-1.5-060314 @ 1452	X
		2.0-4.0': Gravelly SILT with sand (50% silt, 30% gravel, and 20% sand), fine to coarse gravel, fine to medium sand, reddish brown, loose, dry, no odor.	ML		0.4	H9-N-3.5-060314 @ 1453	
5							

Log of Test Pit: I2

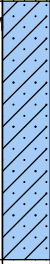
Page 1 of 1

Client: Waste Management, Inc.
Project: Glacier Recycling Property
Location: Auburn, WA

Farallon PN: 870-002

Logged By: J. Chen

Date/Time Started: 06-05-2014 / 1300 **Sampler Type:** Bucket
Date/Time Completed: **Depth of Water (ft bgs):** NE
Equipment: Takeuchi TB153FR **Total Excavation Depth (ft bgs):** 4.0'
Excavation Company: Saybr **Surveyed Location:**
Excavation Foreman: Lee Dalton **X:** 1316296.211
Excavating Method: **Y:** 117102.431

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed
0		0.0-2.0': FILL. Crushed rock debris, concrete, gravel, and sand.	FILL				
		2.0-3.0': Gravelly SILT with sand (50% silt, 30% gravel, 20% sand), fine sand, fine to coarse gravel, dark brown, moist, loose, no odor.	ML				
		3.0-4.0': Poorly graded SAND with silt and gravel (70% sand, 20% gravel, 10% silt), fine to medium sand, fine to coarse gravel, light brown with multicolor grains, moist, loose, no odor.	SP-SM		1.1	I2-3.5-060514 @ 1305	X
5							

Log of Test Pit: I3

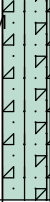
Page 1 of 1

Client: Waste Management, Inc.
Project: Glacier Recycling Property
Location: Auburn, WA

Farallon PN: 870-002

Logged By: J. Chen

Date/Time Started: 06-04-2014 / 1402 **Sampler Type:** Bucket
Date/Time Completed: **Depth of Water (ft bgs):** NE
Equipment: Takeuchi TB153FR **Total Excavation Depth (ft bgs):** 3.5'
Excavation Company: Saybr **Surveyed Location:**
Excavation Foreman: Lee Dalton **X:** 1316335.491
Excavating Method: **Y:** 117031.093

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed
0		0.0-2.2': FILL. Crushed rock debris, concrete, gravel, and sand.	FILL				
		2.2-2.8': FILL. Stained soil with wood debris, petroleum-like odor.	FILL		5.9	I3-2.5-060414 @ 1408	X
		2.8-3.5': Well-graded GRAVEL with silt and sand (70% gravel, 20% sand, 10% silt), fine to coarse gravel, fine to coarse sand, gray with multicolor grains, moist, loose, no odor.	GP-GM		1.8	I3-3.5-060414 @ 1415	

Log of Test Pit: I4

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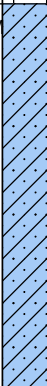
Client: Waste Management, Inc.
Project: Glacier Recycling Property
Location: Auburn, WA

Farallon PN: 870-002

Logged By: J. Chen

Date/Time Started: 06-04-2014 / 1342 **Sampler Type:** Bucket
Date/Time Completed: **Depth of Water (ft bgs):** NE
Equipment: Takeuchi TB153FR **Total Excavation Depth (ft bgs):** 4.0'
Excavation Company: Saybr **Surveyed Location:**
Excavation Foreman: Lee Dalton **X:** 1316344.608
Excavating Method: **Y:** 116939.01

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed

0	0.0-1.0': FILL. Crushed rock debris, concrete, gravel, and sand.	FILL					
	1.0-1.2': FILL. Asphalt, no odor.	FILL					
	1.2-1.5': FILL. Crushed rock debris, concrete, gravel, and sand.	FILL					
	1.5-2.5': FILL. Asphalt, no odor.	FILL					
	2.5-4.0': Poorly graded SAND with silt and gravel (55% sand, 35% gravel, 10% silt), fine to medium sand, fine to coarse gravel, light brown, moist, loose, no odor.	SP-SM					
					1.7	I4-4.0-060414 @ 1344	X
5							

Log of Test Pit: I5

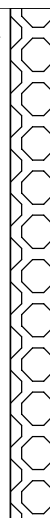
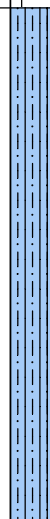
Page 1 of 1

Client: Waste Management, Inc.
Project: Glacier Recycling Property
Location: Auburn, WA

Farallon PN: 870-002

Logged By: J. Chen

Date/Time Started: 06-04-2014 / 1112 **Sampler Type:** Bucket
Date/Time Completed: **Depth of Water (ft bgs):** NE
Equipment: Takeuchi TB153FR **Total Excavation Depth (ft bgs):** 4.0'
Excavation Company: Saybr **Surveyed Location:**
Excavation Foreman: Lee Dalton **X:** 1316330.791
Excavating Method: **Y:** 116835.33

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed
0		0.0-2.0': FILL. Crushed rock debris, concrete, gravel, and sand. Fabric and wood chips at 1.0' bgs.	FILL				
		2.0-4.0': Silty SAND with gravel (50% sand, 30% silt, 20% gravel), fine to medium sand, fine gravel, reddish brown, dry, loose, no odor.	SM		1.6	I5-3.0-060414 @ 1118	X
5							

Log of Test Pit: I6

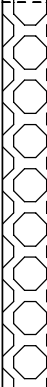
Page 1 of 1

Client: Waste Management, Inc.
Project: Glacier Recycling Property
Location: Auburn, WA

Farallon PN: 870-002

Logged By: J. Chen

Date/Time Started: 06-04-2014 / 1100 **Sampler Type:** Bucket
Date/Time Completed: **Depth of Water (ft bgs):** NE
Equipment: Takeuchi TB153FR **Total Excavation Depth (ft bgs):** 4.0'
Excavation Company: Saybr **Surveyed Location:**
Excavation Foreman: Lee Dalton **X:** 1316330.09
Excavating Method: **Y:** 116727.424

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed
0		0.0-1.0': FILL. Crushed rock debris, concrete, gravel, sand, and silt.	FILL				
		1.0-2.5': FILL. Stained soil and wood debris, odor.	FILL		3.5	I6-1.5-060414 @ 1110	X
		2.5-4.0': Silty SAND with gravel (60% sand, 20% gravel, 20% silt), fine to medium sand, fine gravel, reddish brown, dry, loose, no odor.	SM		2.1	I6-3.0-060414 @ 1105	X
5							

Log of Test Pit: I7

Page 1 of 1

Client: Waste Management, Inc.
Project: Glacier Recycling Property
Location: Auburn, WA

Farallon PN: 870-002

Logged By: J. Chen

Date/Time Started: 06-03-2014 / 1515 **Sampler Type:** Bucket
Date/Time Completed: **Depth of Water (ft bgs):** NE
Equipment: Takeuchi TB153FR **Total Excavation Depth (ft bgs):** 5.0'
Excavation Company: Saybr **Surveyed Location:**
Excavation Foreman: Lee Dalton **X:** 1316343.64
Excavating Method: **Y:** 116637.686

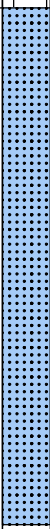
Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed
0		0.0-1.0': FILL. Crushed rock debris, concrete, gravel, and sand.	FILL				
		1.0-3.5': FILL. Stained soil (mostly of wood chips), slight odor.	FILL			I7-2.0-060314 @ 1520	X
		3.5-5.0': Poorly graded SAND with silt and gravel (60% sand, 30% gravel, 10% silt), fine to medium sand, fine to coarse gravel, light brown with multi-color grains, loose, moist, no odor.	SW-SM			I7-4.0-060314 @ 1525	X
5							

Log of Test Pit: I8

Page 1 of 1

Client: Waste Management, Inc.	Date/Time Started: 06-03-2014 / 1506	Sampler Type: Bucket
Project: Glacier Recycling Property	Date/Time Completed:	Depth of Water (ft bgs): NE
Location: Auburn, WA	Equipment: Takeuchi TB153FR	Total Excavation Depth (ft bgs): 5.0'
Farallon PN: 870-002	Excavation Company: Saybr	Surveyed Location:
Logged By: J. Chen	Excavation Foreman: Lee Dalton	X: 1316331.616
	Excavating Method:	Y: 116533.912

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed

0		0.0-2.5': FILL. Crushed rock debris, concrete, gravel, and sand.	FILL				
		2.0-4.0': Poorly graded SAND with silt and gravel (60% sand, 30% gravel, and 10% silt), fine to medium sand, fine to coarse gravel, light brown, loose, moist, no odor.	SW			I8-3.0-060314 @ 1512	X
5							

APPENDIX C
EARTH BERM INVESTIGATION TEST PIT LOGS

ADDITIONAL SUBSURFACE INVESTIGATION REPORT

Glacier Recycling Property
32300 148th Avenue Southeast
Auburn, Washington

Farallon PN: 870-002

Log of Test Pit: B9

Page 1 of 1

Client: Waste Management, Inc.
Project: Glacier Recycling Property
Location: Auburn, WA

Farallon PN: 870-002

Logged By: J. Chen

Date/Time Started: 06-03-2014 / 1050 **Sampler Type:** Bucket
Date/Time Completed: **Depth of Water (ft bgs):** NE
Equipment: Takeuchi TB153FR **Total Excavation Depth (ft bgs):** 5.0'
Excavation Company: Saybr **Surveyed Location:**
Excavation Foreman: Lee Dalton **X:** 1315632.638
Excavating Method: **Y:** 116424.223

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed
0		0.0-5.0': BERM, FILL. Soil is mixture of different materials including some silt, sand, organics, and gravel. Multicolor grains including light brown, light gray, white and orange, very loose.	FILL				
5					0.2	B9-5.0-060314 @ 1100	X

Log of Test Pit: C9

Page 1 of 1

Client: Waste Management, Inc.	Date/Time Started: 06-03-2014 / 1105	Sampler Type: Bucket
Project: Glacier Recycling Property	Date/Time Completed:	Depth of Water (ft bgs): NE
Location: Auburn, WA	Equipment: Takeuchi TB153FR	Total Excavation Depth (ft bgs): 5.0'
Farallon PN: 870-002	Excavation Company: Saybr	Surveyed Location:
Logged By: J. Chen	Excavation Foreman: Lee Dalton	X: 1315728.128
	Excavating Method:	Y: 116421.574

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed

0		0.0-5.0': BERM, FILL. Soil is mixture of different materials including some silt, sand, organics, and gravel. Multicolor grains including light brown, light gray, white and orange, very loose.	FILL				
5					0.1	C9-5.0-060314 @ 1110	X

Log of Test Pit: D9

Page 1 of 1

Client: Waste Management, Inc.	Date/Time Started: 06-03-2014 / 1112	Sampler Type: Bucket
Project: Glacier Recycling Property	Date/Time Completed:	Depth of Water (ft bgs): NE
Location: Auburn, WA	Equipment: Takeuchi TB153FR	Total Excavation Depth (ft bgs): 5.0'
Farallon PN: 870-002	Excavation Company: Saybr	Surveyed Location:
Logged By: J. Chen	Excavation Foreman: Lee Dalton	X: 1315830.469
	Excavating Method:	Y: 116409.17

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed

0		0.0-5.0': BERM, FILL. Soil is mixture of different materials including some silt, sand, organics, and gravel. Multicolor grains including light brown, light gray, white and orange, very loose, significant amounts of styrofoam debris present.	FILL				
5					0.1	D9-5.0-060314 @ 1117	X

Log of Test Pit: E9

Page 1 of 1

Client: Waste Management, Inc.
Project: Glacier Recycling Property
Location: Auburn, WA

Farallon PN: 870-002

Logged By: J. Chen

Date/Time Started: 06-03-2014 / 1130 **Sampler Type:** Bucket
Date/Time Completed: **Depth of Water (ft bgs):** NE
Equipment: Takeuchi TB153FR **Total Excavation Depth (ft bgs):** 5.0'
Excavation Company: Saybr **Surveyed Location:**
Excavation Foreman: Lee Dalton **X:** 1315932.389
Excavating Method: **Y:** 116421.404

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed
0		0.0-5.0': BERM, FILL. Soil is mixture of different materials including some silt, sand, organics, and gravel. Multicolor grains including dark brown, light gray, white and orange, loose.	FILL				
5					0.3	E9-5.0-060314 @ 1137	X

Log of Test Pit: F9

Page 1 of 1

Client: Waste Management, Inc.	Date/Time Started: 06-03-2014 / 1224	Sampler Type: Bucket
Project: Glacier Recycling Property	Date/Time Completed:	Depth of Water (ft bgs): NE
Location: Auburn, WA	Equipment: Takeuchi TB153FR	Total Excavation Depth (ft bgs): 5.0'
Farallon PN: 870-002	Excavation Company: Saybr	Surveyed Location:
Logged By: J. Chen	Excavation Foreman: Lee Dalton	X: 1316032.979
	Excavating Method:	Y: 116416.17

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed

0		0.0-5.0': BERM, FILL. Soil is mixture of different materials including some silt, sand, organics, and gravel. Multicolor grains including dark brown, reddish brown, light gray, white and orange, loose. Evidence of garbage containing plastic bottles, debris, and metals.	FILL				
5					0.4	F9-5.0-060314 @ 1227	X

Log of Test Pit: G9

Page 1 of 1

Client: Waste Management, Inc.	Date/Time Started: 06-03-2014 / 1006	Sampler Type: Bucket
Project: Glacier Recycling Property	Date/Time Completed:	Depth of Water (ft bgs): NE
Location: Auburn, WA	Equipment: Takeuchi TB153FR	Total Excavation Depth (ft bgs): 6.0'
Farallon PN: 870-002	Excavation Company: Saybr	Surveyed Location:
Logged By: J. Chen	Excavation Foreman: Lee Dalton	X: 1316119.779
	Excavating Method:	Y: 116415.406

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed

0		0.0-5.0': BERM, FILL. Soil is mixture of different materials including some silt, sand, organics, and gravel. Multicolor grains including dark brown, reddish brown, light gray, white and orange, loose. Evidence of garbage containing plastic bottles, debris, and metals.	FILL				
5					0.4	G9-5.0-060314 @ 1226	X

Log of Test Pit: H1

Page 1 of 1

Client: Waste Management, Inc.	Date/Time Started: 06-03-2014 / 1403	Sampler Type: Bucket
Project: Glacier Recycling Property	Date/Time Completed:	Depth of Water (ft bgs): NE
Location: Auburn, WA	Equipment: Takeuchi TB153FR	Total Excavation Depth (ft bgs): 5.0'
Farallon PN: 870-002	Excavation Company: Saybr	Surveyed Location:
Logged By: J. Chen	Excavation Foreman: Lee Dalton	X: 1316240.522
	Excavating Method:	Y: 117249.595

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed

0		0.0-2.0': BERM, FILL. Soil is mixture of different materials including some silt, sand, organics, and gravel. Multicolor grains including light brown, light gray, white and orange, very loose.	FILL				
		2.0-2.2': BERM, FILL. Soil is mixture of different materials including some silt, sand, organics, and gravel. Multicolor grains including light brown, light gray, white and orange, very loose, staining from 2.0 to 2.2' bgs.			1.9	H1-2.0-060514 @ 1325	X
		2.2-5.0': BERM, FILL. Soil is mixture of different materials including some silt, sand, organics, and gravel. Multicolor grains including light brown, light gray, white and orange, loose. No odor.					
5					0.6	H1-5.0-060314 @ 1410	

Log of Test Pit: H9

Page 1 of 1

Client: Waste Management, Inc.	Date/Time Started: 06-03-2014 / 1204	Sampler Type: Bucket
Project: Glacier Recycling Property	Date/Time Completed:	Depth of Water (ft bgs): NE
Location: Auburn, WA	Equipment: Takeuchi TB153FR	Total Excavation Depth (ft bgs): 5.0'
Farallon PN: 870-002	Excavation Company: Saybr	Surveyed Location:
Logged By: J. Chen	Excavation Foreman: Lee Dalton	X: 1316254.871
	Excavating Method:	Y: 116410.866

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed

0		0.0-5.0': BERM, FILL. Soil is mixture of different materials including some silt, sand, organics, and gravel. Multicolor grains including dark brown, reddish brown, light gray, white and orange, loose. Evidence of garbage containing plastic bottles.	FILL				
5					0.4	H9-5.0-060314 @ 1207	X

Log of Test Pit: I1

Page 1 of 1

Client: Waste Management, Inc.
Project: Glacier Recycling Property
Location: Auburn, WA

Farallon PN: 870-002

Logged By: J. Chen

Date/Time Started: 06-03-2014 / 1355 **Sampler Type:** Bucket
Date/Time Completed: 06-03-2014 / 1402 **Depth of Water (ft bgs):** NE
Equipment: Takeuchi TB153FR **Total Excavation Depth (ft bgs):** 5.0'
Excavation Company: Saybr **Surveyed Location:**
Excavation Foreman: Lee Dalton **X:** 1316310.925
Excavating Method: **Y:** 117208.576

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed
0		0.0-5.0': BERM, FILL. Mixture of soil and wood chips (50% wood chips, 30% gravel, and 20% silt), dark brown, loose, no odor.	FILL				
5					0.3	I1-5.0-060314 @ 1401	X

Log of Test Pit: I9

Page 1 of 1

Client: Waste Management, Inc.	Date/Time Started: 06-03-2014 / 1240	Sampler Type: Bucket
Project: Glacier Recycling Property	Date/Time Completed:	Depth of Water (ft bgs): NE
Location: Auburn, WA	Equipment: Takeuchi TB153FR	Total Excavation Depth (ft bgs): 5.0'
Farallon PN: 870-002	Excavation Company: Saybr	Surveyed Location:
Logged By: J. Chen	Excavation Foreman: Lee Dalton	X: 1316325.614
	Excavating Method:	Y: 116437.972

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed

0		0.0-5.0': BERM, FILL. Soil is mixture of different materials including some silt, sand, organics, and gravel. Multicolor grains including light brown, light gray, white and orange, very loose.	FILL				
5					0.2	I9-5.0-060314 @ 1248	X

Log of Test Pit: J2

Page 1 of 1

Client: Waste Management, Inc.
Project: Glacier Recycling Property
Location: Auburn, WA

Farallon PN: 870-002

Logged By: J. Chen

Date/Time Started: 06-03-2014 / 1348 **Sampler Type:** Bucket
Date/Time Completed: **Depth of Water (ft bgs):** NE
Equipment: Takeuchi TB153FR **Total Excavation Depth (ft bgs):** 5.0'
Excavation Company: Saybr **Surveyed Location:**
Excavation Foreman: Lee Dalton **X:** 1316336.362
Excavating Method: **Y:** 117107.663

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed
0		0.0-5.0': BERM, FILL. Mixture of soil containing mostly silt, some sand, and organics, light brown, loose.	FILL				
5					0.7	J2-5.0-060314 @ 1355	X

Log of Test Pit: J3

Page 1 of 1

Client: Waste Management, Inc.
Project: Glacier Recycling Property
Location: Auburn, WA

Farallon PN: 870-002

Logged By: J. Chen

Date/Time Started: 06-03-2014 / 1340 **Sampler Type:** Bucket
Date/Time Completed: **Depth of Water (ft bgs):** NE
Equipment: Takeuchi TB153FR **Total Excavation Depth (ft bgs):** 5.0'
Excavation Company: Saybr **Surveyed Location:**
Excavation Foreman: Lee Dalton **X:** 1316394.667
Excavating Method: **Y:** 117041.158

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed
0		0.0-5.0': BERM, FILL. Soil is mixture of different materials including some silt, sand, organics, and gravel. Multicolor grains including light brown, light gray, white and orange, very loose, slight hydrocarbon-like odor, staining throughout.	FILL				
5					0.2	J3-5.0-060314 @ 1345	X

Log of Test Pit: J4

Page 1 of 1

Client: Waste Management, Inc.	Date/Time Started: 06-03-2014 / 1330	Sampler Type: Bucket
Project: Glacier Recycling Property	Date/Time Completed:	Depth of Water (ft bgs): NE
Location: Auburn, WA	Equipment: Takeuchi TB153FR	Total Excavation Depth (ft bgs): 5.0'
Farallon PN: 870-002	Excavation Company: Saybr	Surveyed Location:
Logged By: J. Chen	Excavation Foreman: Lee Dalton	X: 1316423.314
	Excavating Method:	Y: 116935.265

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed

0		0.0-5.0': BERM, FILL. Soil is mixture of different materials including some silt, sand, organics, and gravel. Multicolor grains including light brown, light gray, white and orange, very loose, strong hydrocarbon-like odor, evidence of fabric material within fill.	FILL				
5					0.7	J4-5.0-060314 @ 1335	X

Log of Test Pit: J5

Page 1 of 1

Client: Waste Management, Inc.
Project: Glacier Recycling Property
Location: Auburn, WA

Date/Time Started: 06-03-2014 / 1322 **Sampler Type:** Bucket
Date/Time Completed: **Depth of Water (ft bgs):** NE
Equipment: Takeuchi TB153FR **Total Excavation Depth (ft bgs):** 5.0'
Excavation Company: Saybr **Surveyed Location:**
Excavation Foreman: Lee Dalton **X:** 1316419.565
Excavating Method: **Y:** 116835.329

Farallon PN: 870-002

Logged By: J. Chen

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed

0		0.0-5.0': BERM, FILL. Soil is mixture of different materials including some silt, sand, organics, and gravel. Multicolor grains including light brown, light gray, white and orange, moist, very loose, slight staining throughout.	FILL				
5					0.2	J5-5.0-060314 @ 1327	X

Log of Test Pit: J6

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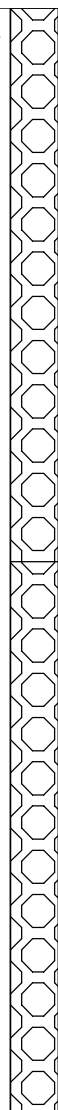
Client: Waste Management, Inc.
Project: Glacier Recycling Property
Location: Auburn, WA

Farallon PN: 870-002

Logged By: J. Chen

Date/Time Started: 06-03-2014 / 1310 **Sampler Type:** Bucket
Date/Time Completed: 06-03-2014 / 1320 **Depth of Water (ft bgs):** NE
Equipment: Takeuchi TB153FR **Total Excavation Depth (ft bgs):** 5.0'
Excavation Company: Saybr **Surveyed Location:**
Excavation Foreman: Lee Dalton **X:** 1316422.535
Excavating Method: **Y:** 116728.928

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed

0		0.0-3.0': BERM, FILL. Soil is mixture of different materials including some silt, sand, organics, and gravel. Multicolor grains including light brown, light gray, white and orange, very loose, strong hydrocarbon- and trash-like odor.	FILL				
		3.0-6.0': BERM, FILL. Soil is mixture of different materials including some silt, sand, organics, and gravel. Multicolor grains including light brown, light gray, white and orange, strong hydrocarbon- and trash-like odor, black stained soil.					
5					1.0	J6-6.0-060314 @ 1314	X

Log of Test Pit: J7

Page 1 of 1

Client: Waste Management, Inc.	Date/Time Started: 06-03-2014 / 1258	Sampler Type: Bucket
Project: Glacier Recycling Property	Date/Time Completed:	Depth of Water (ft bgs): NE
Location: Auburn, WA	Equipment: Takeuchi TB153FR	Total Excavation Depth (ft bgs): 5.0'
Farallon PN: 870-002	Excavation Company: Saybr	Surveyed Location:
Logged By: J. Chen	Excavation Foreman: Lee Dalton	X: 1316428.436
	Excavating Method:	Y: 116630.547

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed

0		0.0-3.0': BERM, FILL. Soil is mixture of different materials including some silt, sand, organics, and gravel. Multicolor grains including light brown, light gray, white and orange, very loose, strong hydrocarbon- and trash-like odor.	FILL				
		3.0-5.0': BERM, FILL. Soil is mixture of different materials including some silt, sand, organics, and gravel. Multicolor grains including light brown, light gray, white and orange, strong hydrocarbon- and trash-like odor, black stained soil.					
5					1.0	J7-5.0-060314 @ 1304	X

Log of Test Pit: J8

Page 1 of 1

Client: Waste Management, Inc.
Project: Glacier Recycling Property
Location: Auburn, WA

Farallon PN: 870-002

Logged By: J. Chen

Date/Time Started: 06-03-2014 / 1250 **Sampler Type:** Bucket
Date/Time Completed: **Depth of Water (ft bgs):** NE
Equipment: Takeuchi TB153FR **Total Excavation Depth (ft bgs):** 5.0'
Excavation Company: Saybr **Surveyed Location:**
Excavation Foreman: Lee Dalton **X:** 1316407.089
Excavating Method: **Y:** 116537.004

Depth (feet bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed

0		0.0-5.0': BERM, FILL. Soil is mixture of different materials including some silt, sand, organics, and gravel. Multicolor grains including light brown, light gray, white, very loose, no odor, evidence of trash.	FILL				
5					0.2	J8-5.0-060314 @ 1255	X

APPENDIX D
SOIL SAMPLE LABORATORY ANALYTICAL REPORTS

ADDITIONAL SUBSURFACE INVESTIGATION REPORT

Glacier Recycling Property
32300 148th Avenue Southeast
Auburn, Washington

Farallon PN: 870-002

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Seattle

5755 8th Street East

Tacoma, WA 98424

Tel: (253)922-2310

TestAmerica Job ID: 580-43862-2

Client Project/Site: Glacier Recycling

For:

Farallon Consulting LLC

975 5th Avenue NW

Suite 100

Issaquah, Washington 98027

Attn: Emerald Erickson-Mulanax

Kristine D. Allen

Authorized for release by:

7/3/2014 3:41:24 PM

Kristine Allen, Manager of Project Management

(253)248-4970

kristine.allen@testamericainc.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43862-2

Job ID: 580-43862-2

Laboratory: TestAmerica Seattle

Narrative

CASE NARRATIVE

Client: Farallon Consulting LLC
Project: Glacier Recycling
Report Number: 580-43862-2

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) resulting from a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are an unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes within the calibration range of the instrument or that reduces the interferences thereby enabling the quantification of target analytes.

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

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 06/03/2014; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.2 C.

The sample times on the container label for the following samples did not match the information listed on the Chain-of-Custody (COC): TP-7-CEN-2.0-060214 (580-43862-13), TP-7-N-1.0-060214 (580-43862-16). -13 The container labels list a sample time of 1731, while the COC lists 1730. TP-7-CEN-2.0-060214 (580-43862-13), TP-7-N-1.0-060214 (580-43862-16). -16 The container labels list a sample time of 1757, while the COC lists 1736. The sample times used were from the COC.

All sample containers for sample Trip Blank (580-43862-20) were broken. This trip blank was a water sample and the vials were placed in the freezer with the other container that required freezing. The vials broke while thawing. The vials were not provided by TestAmerica Seattle.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples TP-3-G4-4.0-060214 (580-43862-5), TP-7-CEN-2.0-060214 (580-43862-13) and TP-7-N-1.0-060214 (580-43862-16) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were prepared on 06/03/2014 and 06/18/2014 and analyzed on 06/10/2014, 06/11/2014 and 06/18/2014.

The Internal standard 1,4-Dichlorobenzene-d4 (IS group 51) responses were outside of lower acceptance limits for the following sample(s): TP-3-G4-4.0-060214 (580-43862-5). The failure is attributed to matrix interference due to similar low recoveries seen in the reanalysis in analytical batch 160872. The compounds associated with IS group 51 were flagged (*) and are subject to a high bias.

Toluene-d8 (Surr) failed the surrogate recovery criteria high for TP-3-G4-4.0-060214 (580-43862-5). Evidence of matrix interference is present; similar high results were observed in the reanalysis in analytical batch 580-160872.

The following samples were reanalyzed in analytical batch 580-160872 due to the failure of the compound Naphthalene in the ICV for ICAL 160622 and to confirm the low ISTD recoveries seen in the initial analysis in analytical batch 580-160763: TP-3-G4-4.0-060214

Case Narrative

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43862-2

Job ID: 580-43862-2 (Continued)

Laboratory: TestAmerica Seattle (Continued)

(580-43862-5. The low internal standard recovery of 1,4-Dichlorobenzene-d4 (IS group 51) was confirmed in the reanalysis and the compound Naphthalene was reported with a potential high bias.

The following samples were analyzed outside of the method specific holding time: TP-7-CEN-2.0-060214 (580-43862-13) and TP-7-N-1.0-060214 (580-43862-16).

o-Xylene failed the recovery criteria high for LCSD 580-161538/3-A. This analyte was biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

No other difficulties were encountered during the VOC analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples TP-1-G3-6.0-060214 (580-43862-1), TP-1-G3-4.0-060214 (580-43862-2), TP-2-G3-1.0-060214 (580-43862-3), TP-2-G3-2.0-060214 (580-43862-4), TP-3-G4-4.0-060214 (580-43862-5), TP-3-G4-9.0-060214 (580-43862-6), TP-4-G4-9.0-060214 (580-43862-7), TP-5-G4-6.0-060214 (580-43862-8), TP-6-G4-5.0-060214 (580-43862-9), TP-7-SW-1.0-060214 (580-43862-10), TP-7-CEN-2.0-060214 (580-43862-13), TP-7-E-2.0-060214 (580-43862-15), TP-7-N-1.0-060214 (580-43862-16) and TP-7-W-2.0-060214 (580-43862-19) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 06/09/2014 and 06/16/2014 and analyzed on 06/11/2014 and 06/26/2014.

Samples TP-1-G3-4.0-060214 (580-43862-2)[25X], TP-2-G3-1.0-060214 (580-43862-3)[25X], TP-3-G4-4.0-060214 (580-43862-5)[25X], TP-5-G4-6.0-060214 (580-43862-8)[5X], TP-6-G4-5.0-060214 (580-43862-9)[25X], TP-7-SW-1.0-060214 (580-43862-10)[25X], TP-7-N-1.0-060214 (580-43862-16)[25X] and TP-7-W-2.0-060214 (580-43862-19)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Previous analysis of these samples was performed at lesser dilutions but did not yield valid results; the oily nature of the matrix of these soils suppressed the Perylene-d12 internal standard (IS) needed for quantitation. Target analytes could not be calculated until a second run at higher dilutions was performed.

Benzo[b]fluoranthene, Chrysene, Dibenz(a,h)anthracene and Indeno[1,2,3-cd]pyrene failed the recovery criteria low for the MS of sample TP-1-G3-4.0-060214MS (580-43862-2) in batch 580-160851. Chrysene, Dibenz(a,h)anthracene and Indeno[1,2,3-cd]pyrene failed the recovery criteria low for the MSD of sample TP-1-G3-4.0-060214MSD (580-43862-2) in batch 580-160851. The associated lab control sample met the acceptance criteria.

No other difficulties were encountered during the SVOC analysis.

All other quality control parameters were within the acceptance limits.

DIESEL AND EXTENDED RANGE ORGANICS

Samples TP-1-G3-6.0-060214 (580-43862-1), TP-1-G3-4.0-060214 (580-43862-2), TP-2-G3-1.0-060214 (580-43862-3), TP-2-G3-2.0-060214 (580-43862-4), TP-3-G4-4.0-060214 (580-43862-5), TP-3-G4-9.0-060214 (580-43862-6), TP-4-G4-9.0-060214 (580-43862-7), TP-5-G4-6.0-060214 (580-43862-8), TP-6-G4-5.0-060214 (580-43862-9), TP-7-SW-1.0-060214 (580-43862-10), TP-7-CEN-2.0-060214 (580-43862-13), TP-7-E-2.0-060214 (580-43862-15), TP-7-N-1.0-060214 (580-43862-16) and TP-7-W-2.0-060214 (580-43862-19) were analyzed for diesel and extended range organics in accordance with Method NWTPH-Dx. The samples were prepared on 06/11/2014 and 06/16/2014 and analyzed on 06/13/2014, 06/16/2014, 06/17/2014 and 06/24/2014.

Sample TP-7-E-2.0-060214 (580-43862-15)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

In analytical batch 580-161072, for the following sample(s) from preparation batch 160903: TP-1-G3-4.0-060214 (580-43862-2), TP-2-G3-1.0-060214 (580-43862-3), TP-6-G4-5.0-060214 (580-43862-9), TP-7-SW-1.0-060214 (580-43862-10), the results in the #2 Diesel Fuel (C10-C24) range are due primarily to motor oil overlap. The affected analyte range has been Y-flagged and reported.

In analytical batch 580-161250, for the following sample from preparation batch 161289: TP-7-E-2.0-060214 (580-43862-15), the results in the Motor Oil (>C24-C36) in the range is due primarily to weathered/degraded diesel fuel that is most likely an overlap from the motor oil

Case Narrative

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43862-2

Job ID: 580-43862-2 (Continued)

Laboratory: TestAmerica Seattle (Continued)

range and motor oil range products.

In analytical batch 580-161072, for the following sample(s) from preparation batch 160903: TP-3-G4-4.0-060214 (580-43862-5), TP-7-N-1.0-060214 (580-43862-16), the results in the #2 Diesel Fuel (C10-C24) and Motor Oil (>C24-C36) range(s) are due to what most closely resembles a complex mixture of weathered/degraded diesel fuel, motor oil and a grouping of individual peak(s) that may be due to 8270/PAH analytes; analysis by 8270 GC/MS is recommended for peak identification. The affected analyte ranges have been Y-flagged and reported.

No difficulties were encountered during the diesel and extended range organics analysis.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples TP-1-G3-6.0-060214 (580-43862-1), TP-1-G3-4.0-060214 (580-43862-2), TP-2-G3-1.0-060214 (580-43862-3), TP-2-G3-2.0-060214 (580-43862-4), TP-3-G4-4.0-060214 (580-43862-5), TP-3-G4-9.0-060214 (580-43862-6), TP-4-G4-9.0-060214 (580-43862-7), TP-5-G4-6.0-060214 (580-43862-8), TP-6-G4-5.0-060214 (580-43862-9), TP-7-SW-1.0-060214 (580-43862-10), TP-7-CEN-2.0-060214 (580-43862-13), TP-7-E-2.0-060214 (580-43862-15), TP-7-N-1.0-060214 (580-43862-16) and TP-7-W-2.0-060214 (580-43862-19) were analyzed for percent solids in accordance with ASTM D2216. The samples were analyzed on 06/11/2014 and 06/19/2014.

Percent Moisture exceeded the RPD limit for the duplicate of sample 580-43867-22. The sample duplicate (DUP) precision for batch 160823 was outside control limits. Sample matrix non-homogeneity is suspected.

No other difficulties were encountered during the % solids analysis.

All other quality control parameters were within the acceptance limits.

Definitions/Glossary

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43862-2

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time
*	LCS or LCSD exceeds the control limits
*	ISTD response or retention time outside acceptable limits
I	Indicates the presence of an interference, recovery is not calculated.
X	Surrogate is outside control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits

GC Semi VOA

Qualifier	Qualifier Description
Y	The chromatographic response resembles a typical fuel pattern.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43862-2

Client Sample ID: TP-1-G3-6.0-060214

Lab Sample ID: 580-43862-1

Date Collected: 06/02/14 10:20

Matrix: Solid

Date Received: 06/03/14 16:00

Percent Solids: 95.5

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		21		ug/Kg	☼	06/16/14 14:26	06/26/14 17:28	1
Chrysene	ND		26		ug/Kg	☼	06/16/14 14:26	06/26/14 17:28	1
Benzo[a]pyrene	ND		31		ug/Kg	☼	06/16/14 14:26	06/26/14 17:28	1
Indeno[1,2,3-cd]pyrene	ND		41		ug/Kg	☼	06/16/14 14:26	06/26/14 17:28	1
Dibenz(a,h)anthracene	ND		41		ug/Kg	☼	06/16/14 14:26	06/26/14 17:28	1
Benzo[b]fluoranthene	ND		21		ug/Kg	☼	06/16/14 14:26	06/26/14 17:28	1
Benzo[k]fluoranthene	ND		26		ug/Kg	☼	06/16/14 14:26	06/26/14 17:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	100		42 - 151	06/16/14 14:26	06/26/14 17:28	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		25		mg/Kg	☼	06/16/14 11:47	06/16/14 22:50	1
Motor Oil (>C24-C36)	ND		51		mg/Kg	☼	06/16/14 11:47	06/16/14 22:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	72		50 - 150	06/16/14 11:47	06/16/14 22:50	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	96		0.10		%	—		06/19/14 11:17	1
Percent Moisture	4.5		0.10		%	—		06/19/14 11:17	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43862-2

Client Sample ID: TP-1-G3-4.0-060214

Lab Sample ID: 580-43862-2

Date Collected: 06/02/14 10:30

Matrix: Solid

Date Received: 06/03/14 16:00

Percent Solids: 76.3

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		630		ug/Kg	☼	06/09/14 11:22	06/11/14 15:25	25
Chrysene	890		780		ug/Kg	☼	06/09/14 11:22	06/11/14 15:25	25
Benzo[a]pyrene	ND		940		ug/Kg	☼	06/09/14 11:22	06/11/14 15:25	25
Indeno[1,2,3-cd]pyrene	ND		1300		ug/Kg	☼	06/09/14 11:22	06/11/14 15:25	25
Dibenz(a,h)anthracene	ND		1300		ug/Kg	☼	06/09/14 11:22	06/11/14 15:25	25
Benzo[b]fluoranthene	ND		630		ug/Kg	☼	06/09/14 11:22	06/11/14 15:25	25
Benzo[k]fluoranthene	ND		780		ug/Kg	☼	06/09/14 11:22	06/11/14 15:25	25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	106		42 - 151	06/09/14 11:22	06/11/14 15:25	25

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	370	Y	32		mg/Kg	☼	06/11/14 15:29	06/13/14 19:50	1
Motor Oil (>C24-C36)	3600		64		mg/Kg	☼	06/11/14 15:29	06/13/14 19:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	79		50 - 150	06/11/14 15:29	06/13/14 19:50	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	76		0.10		%	—		06/11/14 09:02	1
Percent Moisture	24		0.10		%	—		06/11/14 09:02	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43862-2

Client Sample ID: TP-2-G3-1.0-060214

Lab Sample ID: 580-43862-3

Date Collected: 06/02/14 10:45

Matrix: Solid

Date Received: 06/03/14 16:00

Percent Solids: 72.0

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		680		ug/Kg	☼	06/09/14 11:22	06/11/14 16:39	25
Chrysene	ND		850		ug/Kg	☼	06/09/14 11:22	06/11/14 16:39	25
Benzo[a]pyrene	ND		1000		ug/Kg	☼	06/09/14 11:22	06/11/14 16:39	25
Indeno[1,2,3-cd]pyrene	ND		1400		ug/Kg	☼	06/09/14 11:22	06/11/14 16:39	25
Dibenz(a,h)anthracene	ND		1400		ug/Kg	☼	06/09/14 11:22	06/11/14 16:39	25
Benzo[b]fluoranthene	ND		680		ug/Kg	☼	06/09/14 11:22	06/11/14 16:39	25
Benzo[k]fluoranthene	ND		850		ug/Kg	☼	06/09/14 11:22	06/11/14 16:39	25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	110		42 - 151	06/09/14 11:22	06/11/14 16:39	25

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	260	Y	34		mg/Kg	☼	06/11/14 15:29	06/13/14 20:37	1
Motor Oil (>C24-C36)	2500		68		mg/Kg	☼	06/11/14 15:29	06/13/14 20:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	72		50 - 150	06/11/14 15:29	06/13/14 20:37	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	72		0.10		%	—		06/11/14 09:02	1
Percent Moisture	28		0.10		%			06/11/14 09:02	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43862-2

Client Sample ID: TP-2-G3-2.0-060214

Lab Sample ID: 580-43862-4

Date Collected: 06/02/14 11:01

Matrix: Solid

Date Received: 06/03/14 16:00

Percent Solids: 93.8

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		21		ug/Kg	☼	06/16/14 14:26	06/26/14 17:54	1
Chrysene	ND		27		ug/Kg	☼	06/16/14 14:26	06/26/14 17:54	1
Benzo[a]pyrene	ND		32		ug/Kg	☼	06/16/14 14:26	06/26/14 17:54	1
Indeno[1,2,3-cd]pyrene	ND		42		ug/Kg	☼	06/16/14 14:26	06/26/14 17:54	1
Dibenz(a,h)anthracene	ND		42		ug/Kg	☼	06/16/14 14:26	06/26/14 17:54	1
Benzo[b]fluoranthene	ND		21		ug/Kg	☼	06/16/14 14:26	06/26/14 17:54	1
Benzo[k]fluoranthene	ND		27		ug/Kg	☼	06/16/14 14:26	06/26/14 17:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	97		42 - 151	06/16/14 14:26	06/26/14 17:54	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		25		mg/Kg	☼	06/16/14 11:47	06/16/14 23:26	1
Motor Oil (>C24-C36)	ND		51		mg/Kg	☼	06/16/14 11:47	06/16/14 23:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	74		50 - 150	06/16/14 11:47	06/16/14 23:26	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	94		0.10		%	—		06/19/14 11:17	1
Percent Moisture	6.2		0.10		%			06/19/14 11:17	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43862-2

Client Sample ID: TP-3-G4-4.0-060214

Lab Sample ID: 580-43862-5

Date Collected: 06/02/14 11:47

Matrix: Solid

Date Received: 06/03/14 16:00

Percent Solids: 73.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		1.7		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
Chloromethane	ND		1.7		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
Vinyl chloride	ND		1.7		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
Bromomethane	ND		1.7		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
Chloroethane	ND		1.7		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
Trichlorofluoromethane	ND		1.7		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
1,1-Dichloroethene	ND		8.5		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
Methylene Chloride	ND		26		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
trans-1,2-Dichloroethene	ND		1.7		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
1,1-Dichloroethane	ND		1.7		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
2,2-Dichloropropane	ND		8.5		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
cis-1,2-Dichloroethene	ND		1.7		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
Chlorobromomethane	ND		3.4		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
Chloroform	ND		1.7		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
1,1,1-Trichloroethane	ND		1.7		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
Carbon tetrachloride	ND		1.7		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
1,1-Dichloropropene	ND		1.7		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
Benzene	ND		1.7		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
1,2-Dichloroethane	71		1.7		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
Trichloroethene	ND		1.7		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
1,2-Dichloropropane	ND		1.7		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
Dibromomethane	ND		1.7		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
Dichlorobromomethane	ND		1.7		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
cis-1,3-Dichloropropene	ND		1.7		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
Toluene	12		3.4		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
trans-1,3-Dichloropropene	ND		1.7		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
1,1,2-Trichloroethane	ND		3.4		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
Tetrachloroethene	ND		1.7		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
1,3-Dichloropropane	ND		3.4		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
Chlorodibromomethane	ND		3.4		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
Ethylene Dibromide	ND		1.7		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
Chlorobenzene	ND		1.7		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
Ethylbenzene	6.5		1.7		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
1,1,1,2-Tetrachloroethane	ND		1.7		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
1,1,2,2-Tetrachloroethane	ND *		3.4		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
m-Xylene & p-Xylene	18		3.4		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
o-Xylene	13		3.4		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
Styrene	ND		3.4		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
Bromoform	ND		1.7		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
Isopropylbenzene	ND		3.4		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
Bromobenzene	ND *		3.4		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
N-Propylbenzene	6.0 *		3.4		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
1,2,3-Trichloropropane	ND *		1.7		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
2-Chlorotoluene	ND *		3.4		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
1,3,5-Trimethylbenzene	9.9 *		8.5		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
4-Chlorotoluene	ND *		3.4		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
tert-Butylbenzene	ND *		3.4		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
1,2,4-Trimethylbenzene	28 *		3.4		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
sec-Butylbenzene	ND *		3.4		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43862-2

Client Sample ID: TP-3-G4-4.0-060214

Lab Sample ID: 580-43862-5

Date Collected: 06/02/14 11:47

Matrix: Solid

Date Received: 06/03/14 16:00

Percent Solids: 73.3

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND	*	3.4		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
4-Isopropyltoluene	13	*	3.4		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
1,4-Dichlorobenzene	ND	*	1.7		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
n-Butylbenzene	ND	*	3.4		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
1,2-Dichlorobenzene	ND	*	3.4		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
1,2-Dibromo-3-Chloropropane	ND	*	3.4		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
1,2,4-Trichlorobenzene	ND	*	3.4		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
1,2,3-Trichlorobenzene	ND	*	3.4		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
Hexachlorobutadiene	ND	*	3.4		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1
Methyl tert-butyl ether	ND		1.7		ug/Kg	☼	06/03/14 16:10	06/10/14 17:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	127	X I	80 - 120	06/03/14 16:10	06/10/14 17:24	1
4-Bromofluorobenzene (Surr)	74		70 - 120	06/03/14 16:10	06/10/14 17:24	1
Dibromofluoromethane (Surr)	102		75 - 132	06/03/14 16:10	06/10/14 17:24	1
Trifluorotoluene (Surr)	74		65 - 140	06/03/14 16:10	06/10/14 17:24	1
1,2-Dichloroethane-d4 (Surr)	103		71 - 136	06/03/14 16:10	06/10/14 17:24	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	21	*	9.7		ug/Kg	☼	06/03/14 16:10	06/11/14 23:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	121	X	80 - 120	06/03/14 16:10	06/11/14 23:42	1
4-Bromofluorobenzene (Surr)	78		70 - 120	06/03/14 16:10	06/11/14 23:42	1
Dibromofluoromethane (Surr)	102		75 - 132	06/03/14 16:10	06/11/14 23:42	1
Trifluorotoluene (Surr)	88		65 - 140	06/03/14 16:10	06/11/14 23:42	1
1,2-Dichloroethane-d4 (Surr)	104		71 - 136	06/03/14 16:10	06/11/14 23:42	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		670		ug/Kg	☼	06/09/14 11:22	06/11/14 17:03	25
Chrysene	ND		830		ug/Kg	☼	06/09/14 11:22	06/11/14 17:03	25
Benzo[a]pyrene	ND		1000		ug/Kg	☼	06/09/14 11:22	06/11/14 17:03	25
Indeno[1,2,3-cd]pyrene	ND		1300		ug/Kg	☼	06/09/14 11:22	06/11/14 17:03	25
Dibenz(a,h)anthracene	ND		1300		ug/Kg	☼	06/09/14 11:22	06/11/14 17:03	25
Benzo[b]fluoranthene	ND		670		ug/Kg	☼	06/09/14 11:22	06/11/14 17:03	25
Benzo[k]fluoranthene	ND		830		ug/Kg	☼	06/09/14 11:22	06/11/14 17:03	25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	111		42 - 151	06/09/14 11:22	06/11/14 17:03	25

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	700	Y	34		mg/Kg	☼	06/11/14 15:29	06/13/14 20:53	1
Motor Oil (>C24-C36)	7100	Y	67		mg/Kg	☼	06/11/14 15:29	06/13/14 20:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	78		50 - 150	06/11/14 15:29	06/13/14 20:53	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43862-2

Client Sample ID: TP-3-G4-4.0-060214

Lab Sample ID: 580-43862-5

Date Collected: 06/02/14 11:47

Matrix: Solid

Date Received: 06/03/14 16:00

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	73		0.10		%			06/11/14 09:02	1
Percent Moisture	27		0.10		%			06/11/14 09:02	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43862-2

Client Sample ID: TP-3-G4-9.0-060214

Lab Sample ID: 580-43862-6

Date Collected: 06/02/14 12:04

Matrix: Solid

Date Received: 06/03/14 16:00

Percent Solids: 94.2

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		21		ug/Kg	☼	06/16/14 14:26	06/26/14 18:20	1
Chrysene	ND		26		ug/Kg	☼	06/16/14 14:26	06/26/14 18:20	1
Benzo[a]pyrene	ND		31		ug/Kg	☼	06/16/14 14:26	06/26/14 18:20	1
Indeno[1,2,3-cd]pyrene	ND		41		ug/Kg	☼	06/16/14 14:26	06/26/14 18:20	1
Dibenz(a,h)anthracene	ND		41		ug/Kg	☼	06/16/14 14:26	06/26/14 18:20	1
Benzo[b]fluoranthene	ND		21		ug/Kg	☼	06/16/14 14:26	06/26/14 18:20	1
Benzo[k]fluoranthene	ND		26		ug/Kg	☼	06/16/14 14:26	06/26/14 18:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	98		42 - 151	06/16/14 14:26	06/26/14 18:20	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		26		mg/Kg	☼	06/16/14 11:47	06/16/14 23:44	1
Motor Oil (>C24-C36)	ND		52		mg/Kg	☼	06/16/14 11:47	06/16/14 23:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	80		50 - 150	06/16/14 11:47	06/16/14 23:44	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	94		0.10		%	—		06/19/14 11:17	1
Percent Moisture	5.8		0.10		%	—		06/19/14 11:17	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43862-2

Client Sample ID: TP-4-G4-9.0-060214

Lab Sample ID: 580-43862-7

Date Collected: 06/02/14 13:25

Matrix: Solid

Date Received: 06/03/14 16:00

Percent Solids: 88.4

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		21		ug/Kg	☼	06/16/14 14:26	06/26/14 18:46	1
Chrysene	ND		27		ug/Kg	☼	06/16/14 14:26	06/26/14 18:46	1
Benzo[a]pyrene	ND		32		ug/Kg	☼	06/16/14 14:26	06/26/14 18:46	1
Indeno[1,2,3-cd]pyrene	ND		42		ug/Kg	☼	06/16/14 14:26	06/26/14 18:46	1
Dibenz(a,h)anthracene	ND		42		ug/Kg	☼	06/16/14 14:26	06/26/14 18:46	1
Benzo[b]fluoranthene	ND		21		ug/Kg	☼	06/16/14 14:26	06/26/14 18:46	1
Benzo[k]fluoranthene	ND		27		ug/Kg	☼	06/16/14 14:26	06/26/14 18:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	100		42 - 151	06/16/14 14:26	06/26/14 18:46	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		28		mg/Kg	☼	06/16/14 11:47	06/17/14 00:02	1
Motor Oil (>C24-C36)	ND		55		mg/Kg	☼	06/16/14 11:47	06/17/14 00:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	83		50 - 150	06/16/14 11:47	06/17/14 00:02	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	88		0.10		%	—		06/19/14 11:17	1
Percent Moisture	12		0.10		%	—		06/19/14 11:17	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43862-2

Client Sample ID: TP-5-G4-6.0-060214

Lab Sample ID: 580-43862-8

Date Collected: 06/02/14 14:10

Matrix: Solid

Date Received: 06/03/14 16:00

Percent Solids: 92.8

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		100		ug/Kg	☼	06/09/14 11:22	06/11/14 17:28	5
Chrysene	ND		130		ug/Kg	☼	06/09/14 11:22	06/11/14 17:28	5
Benzo[a]pyrene	ND		160		ug/Kg	☼	06/09/14 11:22	06/11/14 17:28	5
Indeno[1,2,3-cd]pyrene	ND		210		ug/Kg	☼	06/09/14 11:22	06/11/14 17:28	5
Dibenz(a,h)anthracene	ND		210		ug/Kg	☼	06/09/14 11:22	06/11/14 17:28	5
Benzo[b]fluoranthene	ND		100		ug/Kg	☼	06/09/14 11:22	06/11/14 17:28	5
Benzo[k]fluoranthene	ND		130		ug/Kg	☼	06/09/14 11:22	06/11/14 17:28	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	99		42 - 151	06/09/14 11:22	06/11/14 17:28	5

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		27		mg/Kg	☼	06/11/14 15:29	06/13/14 21:08	1
Motor Oil (>C24-C36)	72	Y	53		mg/Kg	☼	06/11/14 15:29	06/13/14 21:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	79		50 - 150	06/11/14 15:29	06/13/14 21:08	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	93		0.10		%	—		06/11/14 09:02	1
Percent Moisture	7.2		0.10		%			06/11/14 09:02	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43862-2

Client Sample ID: TP-6-G4-5.0-060214

Lab Sample ID: 580-43862-9

Date Collected: 06/02/14 14:51

Matrix: Solid

Date Received: 06/03/14 16:00

Percent Solids: 93.1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		530		ug/Kg	☼	06/09/14 11:22	06/11/14 17:52	25
Chrysene	ND		660		ug/Kg	☼	06/09/14 11:22	06/11/14 17:52	25
Benzo[a]pyrene	ND		800		ug/Kg	☼	06/09/14 11:22	06/11/14 17:52	25
Indeno[1,2,3-cd]pyrene	ND		1100		ug/Kg	☼	06/09/14 11:22	06/11/14 17:52	25
Dibenz(a,h)anthracene	ND		1100		ug/Kg	☼	06/09/14 11:22	06/11/14 17:52	25
Benzo[b]fluoranthene	ND		530		ug/Kg	☼	06/09/14 11:22	06/11/14 17:52	25
Benzo[k]fluoranthene	ND		660		ug/Kg	☼	06/09/14 11:22	06/11/14 17:52	25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	109		42 - 151	06/09/14 11:22	06/11/14 17:52	25

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	220	Y	27		mg/Kg	☼	06/11/14 15:29	06/13/14 21:24	1
Motor Oil (>C24-C36)	2900		53		mg/Kg	☼	06/11/14 15:29	06/13/14 21:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	85		50 - 150	06/11/14 15:29	06/13/14 21:24	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	93		0.10		%	—		06/11/14 09:02	1
Percent Moisture	6.9		0.10		%			06/11/14 09:02	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43862-2

Client Sample ID: TP-7-SW-1.0-060214

Lab Sample ID: 580-43862-10

Date Collected: 06/02/14 16:17

Matrix: Solid

Date Received: 06/03/14 16:00

Percent Solids: 70.7

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		680		ug/Kg	☼	06/09/14 11:22	06/11/14 18:17	25
Chrysene	ND		850		ug/Kg	☼	06/09/14 11:22	06/11/14 18:17	25
Benzo[a]pyrene	ND		1000		ug/Kg	☼	06/09/14 11:22	06/11/14 18:17	25
Indeno[1,2,3-cd]pyrene	ND		1400		ug/Kg	☼	06/09/14 11:22	06/11/14 18:17	25
Dibenz(a,h)anthracene	ND		1400		ug/Kg	☼	06/09/14 11:22	06/11/14 18:17	25
Benzo[b]fluoranthene	ND		680		ug/Kg	☼	06/09/14 11:22	06/11/14 18:17	25
Benzo[k]fluoranthene	ND		850		ug/Kg	☼	06/09/14 11:22	06/11/14 18:17	25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	105		42 - 151	06/09/14 11:22	06/11/14 18:17	25

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	380	Y	34		mg/Kg	☼	06/11/14 15:29	06/13/14 21:40	1
Motor Oil (>C24-C36)	2400		69		mg/Kg	☼	06/11/14 15:29	06/13/14 21:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	79		50 - 150	06/11/14 15:29	06/13/14 21:40	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	71		0.10		%	—		06/11/14 09:02	1
Percent Moisture	29		0.10		%			06/11/14 09:02	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43862-2

Client Sample ID: TP-7-CEN-2.0-060214

Lab Sample ID: 580-43862-13

Date Collected: 06/02/14 17:30

Matrix: Solid

Date Received: 06/03/14 16:00

Percent Solids: 87.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	H	17		ug/Kg	☼	06/18/14 11:06	06/18/14 13:09	1
Toluene	ND	H	41		ug/Kg	☼	06/18/14 11:06	06/18/14 13:09	1
Ethylbenzene	ND	H	41		ug/Kg	☼	06/18/14 11:06	06/18/14 13:09	1
m-Xylene & p-Xylene	ND	H	41		ug/Kg	☼	06/18/14 11:06	06/18/14 13:09	1
o-Xylene	ND	H *	41		ug/Kg	☼	06/18/14 11:06	06/18/14 13:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120	06/18/14 11:06	06/18/14 13:09	1
4-Bromofluorobenzene (Surr)	101		70 - 120	06/18/14 11:06	06/18/14 13:09	1
Dibromofluoromethane (Surr)	93		75 - 132	06/18/14 11:06	06/18/14 13:09	1
1,2-Dichloroethane-d4 (Surr)	96		71 - 136	06/18/14 11:06	06/18/14 13:09	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		22		ug/Kg	☼	06/16/14 14:26	06/26/14 19:12	1
Chrysene	ND		28		ug/Kg	☼	06/16/14 14:26	06/26/14 19:12	1
Benzo[a]pyrene	ND		34		ug/Kg	☼	06/16/14 14:26	06/26/14 19:12	1
Indeno[1,2,3-cd]pyrene	ND		45		ug/Kg	☼	06/16/14 14:26	06/26/14 19:12	1
Dibenz(a,h)anthracene	ND		45		ug/Kg	☼	06/16/14 14:26	06/26/14 19:12	1
Benzo[b]fluoranthene	ND		22		ug/Kg	☼	06/16/14 14:26	06/26/14 19:12	1
Benzo[k]fluoranthene	ND		28		ug/Kg	☼	06/16/14 14:26	06/26/14 19:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	92		42 - 151	06/16/14 14:26	06/26/14 19:12	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		27		mg/Kg	☼	06/16/14 11:47	06/17/14 00:20	1
Motor Oil (>C24-C36)	ND		54		mg/Kg	☼	06/16/14 11:47	06/17/14 00:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	87		50 - 150	06/16/14 11:47	06/17/14 00:20	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	88		0.10		%			06/19/14 11:17	1
Percent Moisture	12		0.10		%			06/19/14 11:17	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43862-2

Client Sample ID: TP-7-E-2.0-060214

Lab Sample ID: 580-43862-15

Date Collected: 06/02/14 17:55

Matrix: Solid

Date Received: 06/03/14 16:00

Percent Solids: 86.3

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		23		ug/Kg	☼	06/16/14 14:26	06/26/14 19:39	1
Chrysene	ND		29		ug/Kg	☼	06/16/14 14:26	06/26/14 19:39	1
Benzo[a]pyrene	ND		35		ug/Kg	☼	06/16/14 14:26	06/26/14 19:39	1
Indeno[1,2,3-cd]pyrene	ND		46		ug/Kg	☼	06/16/14 14:26	06/26/14 19:39	1
Dibenz(a,h)anthracene	ND		46		ug/Kg	☼	06/16/14 14:26	06/26/14 19:39	1
Benzo[b]fluoranthene	ND		23		ug/Kg	☼	06/16/14 14:26	06/26/14 19:39	1
Benzo[k]fluoranthene	ND		29		ug/Kg	☼	06/16/14 14:26	06/26/14 19:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	102		42 - 151	06/16/14 14:26	06/26/14 19:39	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	1800	Y	28		mg/Kg	☼	06/16/14 11:47	06/17/14 00:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	89		50 - 150	06/16/14 11:47	06/17/14 00:38	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil (>C24-C36)	19000	Y	570		mg/Kg	☼	06/16/14 11:47	06/24/14 11:23	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	91		50 - 150	06/16/14 11:47	06/24/14 11:23	10

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	86		0.10		%			06/19/14 11:17	1
Percent Moisture	14		0.10		%			06/19/14 11:17	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43862-2

Client Sample ID: TP-7-N-1.0-060214

Lab Sample ID: 580-43862-16

Date Collected: 06/02/14 17:36

Matrix: Solid

Date Received: 06/03/14 16:00

Percent Solids: 76.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	H	35		ug/Kg	☼	06/18/14 11:06	06/18/14 13:36	1
Toluene	160	H	87		ug/Kg	☼	06/18/14 11:06	06/18/14 13:36	1
Ethylbenzene	ND	H	87		ug/Kg	☼	06/18/14 11:06	06/18/14 13:36	1
m-Xylene & p-Xylene	140	H	87		ug/Kg	☼	06/18/14 11:06	06/18/14 13:36	1
o-Xylene	ND	H *	87		ug/Kg	☼	06/18/14 11:06	06/18/14 13:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120				06/18/14 11:06	06/18/14 13:36	1
4-Bromofluorobenzene (Surr)	99		70 - 120				06/18/14 11:06	06/18/14 13:36	1
Dibromofluoromethane (Surr)	91		75 - 132				06/18/14 11:06	06/18/14 13:36	1
1,2-Dichloroethane-d4 (Surr)	95		71 - 136				06/18/14 11:06	06/18/14 13:36	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		630		ug/Kg	☼	06/09/14 11:22	06/11/14 18:42	25
Chrysene	850		790		ug/Kg	☼	06/09/14 11:22	06/11/14 18:42	25
Benzo[a]pyrene	ND		950		ug/Kg	☼	06/09/14 11:22	06/11/14 18:42	25
Indeno[1,2,3-cd]pyrene	ND		1300		ug/Kg	☼	06/09/14 11:22	06/11/14 18:42	25
Dibenz(a,h)anthracene	ND		1300		ug/Kg	☼	06/09/14 11:22	06/11/14 18:42	25
Benzo[b]fluoranthene	680		630		ug/Kg	☼	06/09/14 11:22	06/11/14 18:42	25
Benzo[k]fluoranthene	ND		790		ug/Kg	☼	06/09/14 11:22	06/11/14 18:42	25
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Terphenyl-d14	114		42 - 151				06/09/14 11:22	06/11/14 18:42	25

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	1500	Y	32		mg/Kg	☼	06/11/14 15:48	06/13/14 21:55	1
Motor Oil (>C24-C36)	5000	Y	64		mg/Kg	☼	06/11/14 15:48	06/13/14 21:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	78		50 - 150				06/11/14 15:48	06/13/14 21:55	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	77		0.10		%			06/11/14 09:02	1
Percent Moisture	23		0.10		%			06/11/14 09:02	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43862-2

Client Sample ID: TP-7-W-2.0-060214

Lab Sample ID: 580-43862-19

Date Collected: 06/02/14 17:57

Matrix: Solid

Date Received: 06/03/14 16:00

Percent Solids: 91.6

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		100		ug/Kg	☼	06/09/14 11:22	06/11/14 19:06	5
Chrysene	ND		130		ug/Kg	☼	06/09/14 11:22	06/11/14 19:06	5
Benzo[a]pyrene	ND		160		ug/Kg	☼	06/09/14 11:22	06/11/14 19:06	5
Indeno[1,2,3-cd]pyrene	ND		210		ug/Kg	☼	06/09/14 11:22	06/11/14 19:06	5
Dibenz(a,h)anthracene	ND		210		ug/Kg	☼	06/09/14 11:22	06/11/14 19:06	5
Benzo[b]fluoranthene	ND		100		ug/Kg	☼	06/09/14 11:22	06/11/14 19:06	5
Benzo[k]fluoranthene	ND		130		ug/Kg	☼	06/09/14 11:22	06/11/14 19:06	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	98		42 - 151	06/09/14 11:22	06/11/14 19:06	5

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		26		mg/Kg	☼	06/11/14 15:48	06/13/14 22:11	1
Motor Oil (>C24-C36)	54	Y	52		mg/Kg	☼	06/11/14 15:48	06/13/14 22:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	85		50 - 150	06/11/14 15:48	06/13/14 22:11	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	92		0.10		%	—		06/11/14 09:02	1
Percent Moisture	8.4		0.10		%			06/11/14 09:02	1

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43862-2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 580-160765/1-A

Matrix: Solid

Analysis Batch: 160763

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 160765

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
Chloromethane	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
Vinyl chloride	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
Bromomethane	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
Chloroethane	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
Trichlorofluoromethane	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
1,1-Dichloroethene	ND		5.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
Methylene Chloride	ND		15		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
1,1-Dichloroethane	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
2,2-Dichloropropane	ND		5.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
Chlorobromomethane	ND		2.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
Chloroform	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
Carbon tetrachloride	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
1,1-Dichloropropene	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
Benzene	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
1,2-Dichloroethane	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
Trichloroethene	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
1,2-Dichloropropane	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
Dibromomethane	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
Dichlorobromomethane	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
Toluene	ND		2.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
trans-1,3-Dichloropropene	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
1,1,2-Trichloroethane	ND		2.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
Tetrachloroethene	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
1,3-Dichloropropane	ND		2.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
Chlorodibromomethane	ND		2.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
Ethylene Dibromide	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
Chlorobenzene	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
Ethylbenzene	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
m-Xylene & p-Xylene	ND		2.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
o-Xylene	ND		2.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
Styrene	ND		2.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
Bromoform	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
Isopropylbenzene	ND		2.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
Bromobenzene	ND		2.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
N-Propylbenzene	ND		2.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
1,2,3-Trichloropropane	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
2-Chlorotoluene	ND		2.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
1,3,5-Trimethylbenzene	ND		5.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
4-Chlorotoluene	ND		2.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
tert-Butylbenzene	ND		2.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43862-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 580-160765/1-A

Matrix: Solid

Analysis Batch: 160763

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 160765

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		2.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
1,3-Dichlorobenzene	ND		2.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
4-Isopropyltoluene	ND		2.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
n-Butylbenzene	ND		2.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
1,2-Dichlorobenzene	ND		2.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
Hexachlorobutadiene	ND		2.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
Methyl tert-butyl ether	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		80 - 120	06/10/14 13:35	06/10/14 13:59	1
4-Bromofluorobenzene (Surr)	101		70 - 120	06/10/14 13:35	06/10/14 13:59	1
Dibromofluoromethane (Surr)	102		75 - 132	06/10/14 13:35	06/10/14 13:59	1
Trifluorotoluene (Surr)	87		65 - 140	06/10/14 13:35	06/10/14 13:59	1
1,2-Dichloroethane-d4 (Surr)	102		71 - 136	06/10/14 13:35	06/10/14 13:59	1

Lab Sample ID: LCS 580-160765/2-A

Matrix: Solid

Analysis Batch: 160763

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 160765

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	30.0	26.1		ug/Kg		87	38 - 150
Chloromethane	30.0	27.4		ug/Kg		91	55 - 136
Vinyl chloride	30.0	29.2		ug/Kg		97	67 - 131
Bromomethane	30.0	27.8		ug/Kg		93	57 - 148
Chloroethane	30.0	28.1		ug/Kg		94	48 - 167
Trichlorofluoromethane	30.0	27.7		ug/Kg		92	47 - 165
1,1-Dichloroethene	30.0	25.6		ug/Kg		85	70 - 133
Methylene Chloride	30.0	29.6		ug/Kg		99	57 - 146
trans-1,2-Dichloroethene	30.0	26.0		ug/Kg		87	76 - 131
1,1-Dichloroethane	30.0	26.4		ug/Kg		88	70 - 128
2,2-Dichloropropane	30.0	27.4		ug/Kg		91	56 - 144
cis-1,2-Dichloroethene	30.0	26.9		ug/Kg		90	70 - 130
Chlorobromomethane	30.0	28.2		ug/Kg		94	78 - 123
Chloroform	30.0	27.5		ug/Kg		92	78 - 125
1,1,1-Trichloroethane	30.0	27.0		ug/Kg		90	63 - 135
Carbon tetrachloride	30.0	26.8		ug/Kg		89	59 - 145
1,1-Dichloropropene	30.0	26.5		ug/Kg		88	77 - 125
Benzene	30.0	27.0		ug/Kg		90	70 - 128
1,2-Dichloroethane	30.0	28.4		ug/Kg		95	71 - 128
Trichloroethene	30.0	27.2		ug/Kg		91	83 - 124
1,2-Dichloropropane	30.0	27.9		ug/Kg		93	76 - 161
Dibromomethane	30.0	29.8		ug/Kg		99	78 - 126
Dichlorobromomethane	30.0	27.4		ug/Kg		91	58 - 133
cis-1,3-Dichloropropene	30.0	28.7		ug/Kg		96	69 - 129

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43862-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 580-160765/2-A

Matrix: Solid

Analysis Batch: 160763

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 160765

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	30.0	26.5		ug/Kg		88	75 - 126
trans-1,3-Dichloropropene	30.0	29.5		ug/Kg		98	72 - 129
1,1,2-Trichloroethane	30.0	29.4		ug/Kg		98	77 - 124
Tetrachloroethene	30.0	22.1		ug/Kg		74	56 - 155
1,3-Dichloropropane	30.0	28.2		ug/Kg		94	77 - 123
Chlorodibromomethane	30.0	29.2		ug/Kg		97	42 - 129
Ethylene Dibromide	30.0	29.6		ug/Kg		99	69 - 126
Chlorobenzene	30.0	26.7		ug/Kg		89	75 - 120
Ethylbenzene	30.0	26.4		ug/Kg		88	78 - 126
1,1,1,2-Tetrachloroethane	30.0	27.8		ug/Kg		93	72 - 123
1,1,1,2,2-Tetrachloroethane	30.0	28.7		ug/Kg		96	73 - 125
m-Xylene & p-Xylene	30.0	27.1		ug/Kg		90	78 - 126
o-Xylene	30.0	27.2		ug/Kg		91	77 - 127
Styrene	30.0	28.0		ug/Kg		93	79 - 127
Bromoform	30.0	29.2		ug/Kg		97	50 - 124
Isopropylbenzene	30.0	27.5		ug/Kg		92	79 - 127
Bromobenzene	30.0	26.0		ug/Kg		87	80 - 120
N-Propylbenzene	30.0	25.6		ug/Kg		85	81 - 127
1,2,3-Trichloropropane	30.0	27.8		ug/Kg		93	77 - 123
2-Chlorotoluene	30.0	25.8		ug/Kg		86	79 - 122
1,3,5-Trimethylbenzene	30.0	26.2		ug/Kg		87	80 - 125
4-Chlorotoluene	30.0	26.1		ug/Kg		87	80 - 122
tert-Butylbenzene	30.0	26.1		ug/Kg		87	71 - 136
1,2,4-Trimethylbenzene	30.0	26.4		ug/Kg		88	79 - 124
sec-Butylbenzene	30.0	26.2		ug/Kg		87	78 - 128
1,3-Dichlorobenzene	30.0	26.4		ug/Kg		88	79 - 119
4-Isopropyltoluene	30.0	26.3		ug/Kg		88	78 - 126
1,4-Dichlorobenzene	30.0	26.7		ug/Kg		89	79 - 117
n-Butylbenzene	30.0	26.8		ug/Kg		89	78 - 128
1,2-Dichlorobenzene	30.0	27.3		ug/Kg		91	79 - 117
1,2-Dibromo-3-Chloropropane	30.0	30.7		ug/Kg		102	53 - 132
1,2,4-Trichlorobenzene	30.0	28.5		ug/Kg		95	61 - 130
1,2,3-Trichlorobenzene	30.0	29.3		ug/Kg		98	61 - 130
Hexachlorobutadiene	30.0	27.5		ug/Kg		92	68 - 134
Methyl tert-butyl ether	30.0	29.1		ug/Kg		97	65 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	98		80 - 120
4-Bromofluorobenzene (Surr)	103		70 - 120
Dibromofluoromethane (Surr)	101		75 - 132
Trifluorotoluene (Surr)	90		65 - 140
1,2-Dichloroethane-d4 (Surr)	102		71 - 136

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43862-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 580-160765/3-A

Matrix: Solid

Analysis Batch: 160763

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 160765

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dichlorodifluoromethane	30.0	25.9		ug/Kg		86	38 - 150	1	26
Chloromethane	30.0	25.9		ug/Kg		87	55 - 136	6	26
Vinyl chloride	30.0	28.5		ug/Kg		95	67 - 131	3	22
Bromomethane	30.0	24.7		ug/Kg		82	57 - 148	12	29
Chloroethane	30.0	26.2		ug/Kg		87	48 - 167	7	53
Trichlorofluoromethane	30.0	26.6		ug/Kg		89	47 - 165	4	54
1,1-Dichloroethene	30.0	25.6		ug/Kg		85	70 - 133	0	23
Methylene Chloride	30.0	29.6		ug/Kg		99	57 - 146	0	21
trans-1,2-Dichloroethene	30.0	26.9		ug/Kg		90	76 - 131	3	18
1,1-Dichloroethane	30.0	26.6		ug/Kg		89	70 - 128	1	21
2,2-Dichloropropane	30.0	27.6		ug/Kg		92	56 - 144	1	21
cis-1,2-Dichloroethene	30.0	26.4		ug/Kg		88	70 - 130	2	19
Chlorobromomethane	30.0	28.6		ug/Kg		95	78 - 123	2	19
Chloroform	30.0	26.8		ug/Kg		89	78 - 125	3	17
1,1,1-Trichloroethane	30.0	27.2		ug/Kg		91	63 - 135	1	20
Carbon tetrachloride	30.0	26.7		ug/Kg		89	59 - 145	0	19
1,1-Dichloropropene	30.0	26.3		ug/Kg		88	77 - 125	1	16
Benzene	30.0	26.9		ug/Kg		90	70 - 128	0	19
1,2-Dichloroethane	30.0	28.4		ug/Kg		95	71 - 128	0	18
Trichloroethene	30.0	26.8		ug/Kg		89	83 - 124	1	17
1,2-Dichloropropane	30.0	27.8		ug/Kg		93	76 - 161	1	15
Dibromomethane	30.0	29.5		ug/Kg		98	78 - 126	1	18
Dichlorobromomethane	30.0	28.8		ug/Kg		96	58 - 133	5	19
cis-1,3-Dichloropropene	30.0	28.7		ug/Kg		96	69 - 129	0	19
Toluene	30.0	26.4		ug/Kg		88	75 - 126	0	19
trans-1,3-Dichloropropene	30.0	30.3		ug/Kg		101	72 - 129	3	20
1,1,2-Trichloroethane	30.0	29.3		ug/Kg		98	77 - 124	0	18
Tetrachloroethene	30.0	22.6		ug/Kg		75	56 - 155	2	27
1,3-Dichloropropane	30.0	28.4		ug/Kg		95	77 - 123	1	19
Chlorodibromomethane	30.0	29.3		ug/Kg		98	42 - 129	1	23
Ethylene Dibromide	30.0	29.4		ug/Kg		98	69 - 126	1	21
Chlorobenzene	30.0	26.8		ug/Kg		89	75 - 120	0	21
Ethylbenzene	30.0	26.4		ug/Kg		88	78 - 126	0	23
1,1,1,2-Tetrachloroethane	30.0	27.9		ug/Kg		93	72 - 123	0	20
1,1,2,2-Tetrachloroethane	30.0	30.1		ug/Kg		100	73 - 125	5	22
m-Xylene & p-Xylene	30.0	26.9		ug/Kg		90	78 - 126	1	23
o-Xylene	30.0	27.3		ug/Kg		91	77 - 127	0	22
Styrene	30.0	27.8		ug/Kg		93	79 - 127	1	21
Bromoform	30.0	29.5		ug/Kg		98	50 - 124	1	25
Isopropylbenzene	30.0	27.3		ug/Kg		91	79 - 127	1	20
Bromobenzene	30.0	27.7		ug/Kg		92	80 - 120	6	19
N-Propylbenzene	30.0	26.7		ug/Kg		89	81 - 127	4	20
1,2,3-Trichloropropane	30.0	30.1		ug/Kg		100	77 - 123	8	23
2-Chlorotoluene	30.0	26.7		ug/Kg		89	79 - 122	3	18
1,3,5-Trimethylbenzene	30.0	27.0		ug/Kg		90	80 - 125	3	18
4-Chlorotoluene	30.0	27.4		ug/Kg		91	80 - 122	5	18
tert-Butylbenzene	30.0	27.2		ug/Kg		91	71 - 136	4	27
1,2,4-Trimethylbenzene	30.0	27.2		ug/Kg		91	79 - 124	3	18

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43862-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 580-160765/3-A

Matrix: Solid

Analysis Batch: 160763

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 160765

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
sec-Butylbenzene	30.0	26.7		ug/Kg		89	78 - 128	2	17
1,3-Dichlorobenzene	30.0	26.9		ug/Kg		90	79 - 119	2	17
4-Isopropyltoluene	30.0	26.5		ug/Kg		88	78 - 126	1	18
1,4-Dichlorobenzene	30.0	27.2		ug/Kg		91	79 - 117	2	18
n-Butylbenzene	30.0	26.8		ug/Kg		89	78 - 128	0	17
1,2-Dichlorobenzene	30.0	27.4		ug/Kg		91	79 - 117	0	17
1,2-Dibromo-3-Chloropropane	30.0	32.2		ug/Kg		107	53 - 132	5	27
1,2,4-Trichlorobenzene	30.0	28.9		ug/Kg		96	61 - 130	1	22
1,2,3-Trichlorobenzene	30.0	30.2		ug/Kg		101	61 - 130	3	23
Hexachlorobutadiene	30.0	27.3		ug/Kg		91	68 - 134	1	21
Methyl tert-butyl ether	30.0	29.6		ug/Kg		99	65 - 125	2	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	99		80 - 120
4-Bromofluorobenzene (Surr)	101		70 - 120
Dibromofluoromethane (Surr)	102		75 - 132
Trifluorotoluene (Surr)	91		65 - 140
1,2-Dichloroethane-d4 (Surr)	103		71 - 136

Lab Sample ID: MB 580-160925/1-A

Matrix: Solid

Analysis Batch: 160872

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 160925

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.0		ug/Kg		06/11/14 20:50	06/11/14 22:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		80 - 120	06/11/14 20:50	06/11/14 22:20	1
4-Bromofluorobenzene (Surr)	100		70 - 120	06/11/14 20:50	06/11/14 22:20	1
Dibromofluoromethane (Surr)	105		75 - 132	06/11/14 20:50	06/11/14 22:20	1
Trifluorotoluene (Surr)	102		65 - 140	06/11/14 20:50	06/11/14 22:20	1
1,2-Dichloroethane-d4 (Surr)	105		71 - 136	06/11/14 20:50	06/11/14 22:20	1

Lab Sample ID: LCS 580-160925/2-A

Matrix: Solid

Analysis Batch: 160872

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 160925

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Naphthalene	30.0	29.2		ug/Kg		97	14 - 170

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	100		80 - 120
4-Bromofluorobenzene (Surr)	100		70 - 120
Dibromofluoromethane (Surr)	102		75 - 132
Trifluorotoluene (Surr)	103		65 - 140
1,2-Dichloroethane-d4 (Surr)	101		71 - 136

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43862-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 580-160925/3-A

Matrix: Solid

Analysis Batch: 160872

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 160925

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Naphthalene	30.0	31.8		ug/Kg		106	14 - 170	9	50

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	99		80 - 120
4-Bromofluorobenzene (Surr)	101		70 - 120
Dibromofluoromethane (Surr)	101		75 - 132
Trifluorotoluene (Surr)	105		65 - 140
1,2-Dichloroethane-d4 (Surr)	101		71 - 136

Lab Sample ID: MB 580-161538/1-A

Matrix: Solid

Analysis Batch: 161563

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 161538

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		16		ug/Kg		06/18/14 11:06	06/18/14 11:47	1
Toluene	ND		40		ug/Kg		06/18/14 11:06	06/18/14 11:47	1
Ethylbenzene	ND		40		ug/Kg		06/18/14 11:06	06/18/14 11:47	1
m-Xylene & p-Xylene	ND		40		ug/Kg		06/18/14 11:06	06/18/14 11:47	1
o-Xylene	ND		40		ug/Kg		06/18/14 11:06	06/18/14 11:47	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120	06/18/14 11:06	06/18/14 11:47	1
4-Bromofluorobenzene (Surr)	102		70 - 120	06/18/14 11:06	06/18/14 11:47	1
Dibromofluoromethane (Surr)	93		75 - 132	06/18/14 11:06	06/18/14 11:47	1
Trifluorotoluene (Surr)	104		65 - 140	06/18/14 11:06	06/18/14 11:47	1
1,2-Dichloroethane-d4 (Surr)	95		71 - 136	06/18/14 11:06	06/18/14 11:47	1

Lab Sample ID: LCS 580-161538/2-A

Matrix: Solid

Analysis Batch: 161563

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 161538

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	800	856		ug/Kg		107	70 - 128
Toluene	800	854		ug/Kg		107	75 - 126
Ethylbenzene	800	869		ug/Kg		109	78 - 126
m-Xylene & p-Xylene	800	881		ug/Kg		110	78 - 126
o-Xylene	800	932		ug/Kg		116	77 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	99		80 - 120
4-Bromofluorobenzene (Surr)	102		70 - 120
Dibromofluoromethane (Surr)	96		75 - 132
Trifluorotoluene (Surr)	100		65 - 140
1,2-Dichloroethane-d4 (Surr)	97		71 - 136

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43862-2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 580-161538/3-A

Matrix: Solid

Analysis Batch: 161563

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 161538

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	800	988		ug/Kg		123	70 - 128	14	19
Toluene	800	947		ug/Kg		118	75 - 126	10	19
Ethylbenzene	800	986		ug/Kg		123	78 - 126	13	23
m-Xylene & p-Xylene	800	1000		ug/Kg		125	78 - 126	13	23
o-Xylene	800	1040	*	ug/Kg		130	77 - 127	11	22

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	95		80 - 120
4-Bromofluorobenzene (Surr)	107		70 - 120
Dibromofluoromethane (Surr)	95		75 - 132
Trifluorotoluene (Surr)	114		65 - 140
1,2-Dichloroethane-d4 (Surr)	103		71 - 136

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 580-160663/1-A

Matrix: Solid

Analysis Batch: 160851

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 160663

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		20		ug/Kg		06/09/14 11:22	06/11/14 14:11	1
Chrysene	ND		25		ug/Kg		06/09/14 11:22	06/11/14 14:11	1
Benzo[a]pyrene	ND		30		ug/Kg		06/09/14 11:22	06/11/14 14:11	1
Indeno[1,2,3-cd]pyrene	ND		40		ug/Kg		06/09/14 11:22	06/11/14 14:11	1
Dibenz(a,h)anthracene	ND		40		ug/Kg		06/09/14 11:22	06/11/14 14:11	1
Benzo[b]fluoranthene	ND		20		ug/Kg		06/09/14 11:22	06/11/14 14:11	1
Benzo[k]fluoranthene	ND		25		ug/Kg		06/09/14 11:22	06/11/14 14:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	102		42 - 151	06/09/14 11:22	06/11/14 14:11	1

Lab Sample ID: LCS 580-160663/2-A

Matrix: Solid

Analysis Batch: 160851

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 160663

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]anthracene	1000	977		ug/Kg		98	64 - 124
Chrysene	1000	913		ug/Kg		91	71 - 126
Benzo[a]pyrene	1000	1100		ug/Kg		110	68 - 128
Indeno[1,2,3-cd]pyrene	1000	1040		ug/Kg		104	59 - 139
Dibenz(a,h)anthracene	1000	1020		ug/Kg		102	57 - 142
Benzo[b]fluoranthene	1000	1180		ug/Kg		118	66 - 136
Benzo[k]fluoranthene	1000	989		ug/Kg		99	63 - 143

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Terphenyl-d14	102		42 - 151

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43862-2

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 580-160663/3-A

Matrix: Solid

Analysis Batch: 160851

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 160663

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzo[a]anthracene	1000	1000		ug/Kg		100	64 - 124	3	27
Chrysene	1000	915		ug/Kg		91	71 - 126	0	26
Benzo[a]pyrene	1000	1150		ug/Kg		115	68 - 128	4	30
Indeno[1,2,3-cd]pyrene	1000	1060		ug/Kg		106	59 - 139	2	29
Dibenz(a,h)anthracene	1000	1060		ug/Kg		106	57 - 142	4	30
Benzo[b]fluoranthene	1000	1170		ug/Kg		117	66 - 136	1	31
Benzo[k]fluoranthene	1000	1080		ug/Kg		108	63 - 143	9	31

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Terphenyl-d14	104		42 - 151

Lab Sample ID: 580-43862-2 MS

Matrix: Solid

Analysis Batch: 160851

Client Sample ID: TP-1-G3-4.0-060214

Prep Type: Total/NA

Prep Batch: 160663

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]anthracene	ND		1280	1460		ug/Kg	⚠	98	75 - 125
Chrysene	890		1280	1310	F1	ug/Kg	⚠	33	75 - 125
Benzo[a]pyrene	ND		1280	1540		ug/Kg	⚠	98	75 - 125
Indeno[1,2,3-cd]pyrene	ND		1280	1360	F1	ug/Kg	⚠	73	75 - 125
Dibenz(a,h)anthracene	ND		1280	ND	F1	ug/Kg	⚠	60	75 - 125
Benzo[b]fluoranthene	ND		1280	1460	F1	ug/Kg	⚠	72	75 - 125
Benzo[k]fluoranthene	ND		1280	1260		ug/Kg	⚠	98	75 - 125

Surrogate	MS %Recovery	MS Qualifier	Limits
Terphenyl-d14	96		42 - 151

Lab Sample ID: 580-43862-2 MSD

Matrix: Solid

Analysis Batch: 160851

Client Sample ID: TP-1-G3-4.0-060214

Prep Type: Total/NA

Prep Batch: 160663

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzo[a]anthracene	ND		1270	1480		ug/Kg	⚠	100	75 - 125	1	27
Chrysene	890		1270	1460	F1	ug/Kg	⚠	45	75 - 125	11	26
Benzo[a]pyrene	ND		1270	1580		ug/Kg	⚠	103	75 - 125	3	30
Indeno[1,2,3-cd]pyrene	ND		1270	ND	F1	ug/Kg	⚠	67	75 - 125	6	29
Dibenz(a,h)anthracene	ND		1270	ND	F1	ug/Kg	⚠	60	75 - 125	1	30
Benzo[b]fluoranthene	ND		1270	1580		ug/Kg	⚠	82	75 - 125	8	31
Benzo[k]fluoranthene	ND		1270	1170		ug/Kg	⚠	92	75 - 125	7	31

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Terphenyl-d14	93		42 - 151

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43862-2

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 580-161313/1-A

Matrix: Solid

Analysis Batch: 162312

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 161313

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		20		ug/Kg		06/16/14 14:26	06/26/14 14:26	1
Chrysene	ND		25		ug/Kg		06/16/14 14:26	06/26/14 14:26	1
Benzo[a]pyrene	ND		30		ug/Kg		06/16/14 14:26	06/26/14 14:26	1
Indeno[1,2,3-cd]pyrene	ND		40		ug/Kg		06/16/14 14:26	06/26/14 14:26	1
Dibenz(a,h)anthracene	ND		40		ug/Kg		06/16/14 14:26	06/26/14 14:26	1
Benzo[b]fluoranthene	ND		20		ug/Kg		06/16/14 14:26	06/26/14 14:26	1
Benzo[k]fluoranthene	ND		25		ug/Kg		06/16/14 14:26	06/26/14 14:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	91		42 - 151	06/16/14 14:26	06/26/14 14:26	1

Lab Sample ID: LCS 580-161313/2-A

Matrix: Solid

Analysis Batch: 162312

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 161313

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]anthracene	1000	903		ug/Kg		90	64 - 124
Chrysene	1000	915		ug/Kg		92	71 - 126
Benzo[a]pyrene	1000	838		ug/Kg		84	68 - 128
Indeno[1,2,3-cd]pyrene	1000	765		ug/Kg		76	59 - 139
Dibenz(a,h)anthracene	1000	820		ug/Kg		82	57 - 142
Benzo[b]fluoranthene	1000	809		ug/Kg		81	66 - 136
Benzo[k]fluoranthene	1000	1130		ug/Kg		113	63 - 143

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Terphenyl-d14	94		42 - 151

Lab Sample ID: LCSD 580-161313/3-A

Matrix: Solid

Analysis Batch: 162312

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 161313

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzo[a]anthracene	1000	816		ug/Kg		82	64 - 124	10	27
Chrysene	1000	822		ug/Kg		82	71 - 126	11	26
Benzo[a]pyrene	1000	760		ug/Kg		76	68 - 128	10	30
Indeno[1,2,3-cd]pyrene	1000	721		ug/Kg		72	59 - 139	6	29
Dibenz(a,h)anthracene	1000	729		ug/Kg		73	57 - 142	12	30
Benzo[b]fluoranthene	1000	723		ug/Kg		72	66 - 136	11	31
Benzo[k]fluoranthene	1000	1050		ug/Kg		105	63 - 143	8	31

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Terphenyl-d14	85		42 - 151

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43862-2

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 580-160903/1-A

Matrix: Solid

Analysis Batch: 161072

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 160903

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		25		mg/Kg		06/11/14 15:29	06/13/14 19:03	1
Motor Oil (>C24-C36)	ND		50		mg/Kg		06/11/14 15:29	06/13/14 19:03	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	77		50 - 150				06/11/14 15:29	06/13/14 19:03	1

Lab Sample ID: LCS 580-160903/2-A

Matrix: Solid

Analysis Batch: 161072

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 160903

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
#2 Diesel (C10-C24)	500	412		mg/Kg		82	70 - 125		
Motor Oil (>C24-C36)	502	451		mg/Kg		90	64 - 127		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
o-Terphenyl	82		50 - 150						

Lab Sample ID: LCSD 580-160903/3-A

Matrix: Solid

Analysis Batch: 161072

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 160903

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	500	429		mg/Kg		86	70 - 125	4	16
Motor Oil (>C24-C36)	502	474		mg/Kg		94	64 - 127	5	17
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
o-Terphenyl	84		50 - 150						

Lab Sample ID: 580-43862-2 DU

Matrix: Solid

Analysis Batch: 161072

Client Sample ID: TP-1-G3-4.0-060214

Prep Type: Total/NA

Prep Batch: 160903

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
#2 Diesel (C10-C24)	370	Y	440		mg/Kg	☼	17	35
Motor Oil (>C24-C36)	3600		4000		mg/Kg	☼	10	35
Surrogate	DU %Recovery	DU Qualifier	Limits					
o-Terphenyl	84		50 - 150					

Lab Sample ID: MB 580-161289/1-A

Matrix: Solid

Analysis Batch: 161250

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 161289

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		25		mg/Kg		06/16/14 11:47	06/17/14 06:19	1
Motor Oil (>C24-C36)	ND		50		mg/Kg		06/16/14 11:47	06/17/14 06:19	1

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43862-2

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued)

Lab Sample ID: MB 580-161289/1-A

Matrix: Solid

Analysis Batch: 161250

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 161289

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	71		50 - 150	06/16/14 11:47	06/17/14 06:19	1

Lab Sample ID: LCS 580-161289/2-A

Matrix: Solid

Analysis Batch: 161250

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 161289

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
#2 Diesel (C10-C24)	500	430		mg/Kg		86	70 - 125
Motor Oil (>C24-C36)	502	414		mg/Kg		82	64 - 127
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
o-Terphenyl	82		50 - 150				

Lab Sample ID: LCSD 580-161289/3-A

Matrix: Solid

Analysis Batch: 161250

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 161289

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	500	433		mg/Kg		87	70 - 125	1	16
Motor Oil (>C24-C36)	502	423		mg/Kg		84	64 - 127	2	17
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
o-Terphenyl	83		50 - 150						

Lab Sample ID: 580-43862-1 DU

Matrix: Solid

Analysis Batch: 161250

Client Sample ID: TP-1-G3-6.0-060214

Prep Type: Total/NA

Prep Batch: 161289

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
#2 Diesel (C10-C24)	ND		ND		mg/Kg	☼	NC	35
Motor Oil (>C24-C36)	ND		ND		mg/Kg	☼	33	35
Surrogate	DU %Recovery	DU Qualifier	Limits					
o-Terphenyl	79		50 - 150					

Method: D 2216 - Percent Moisture

Lab Sample ID: 580-43862-1 DU

Matrix: Solid

Analysis Batch: 161651

Client Sample ID: TP-1-G3-6.0-060214

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Solids	96		95		%			20
Percent Moisture	4.5		4.6		%			20

TestAmerica Seattle

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43862-2

Client Sample ID: TP-1-G3-6.0-060214

Lab Sample ID: 580-43862-1

Date Collected: 06/02/14 10:20

Matrix: Solid

Date Received: 06/03/14 16:00

Percent Solids: 95.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			161313	06/16/14 14:26	LHJ	TAL SEA
Total/NA	Analysis	8270C		1	162312	06/26/14 17:28	ERB	TAL SEA
Total/NA	Prep	3546			161289	06/16/14 11:47	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	161250	06/16/14 22:50	JJP	TAL SEA
Total/NA	Analysis	D 2216		1	161651	06/19/14 11:17	NMD	TAL SEA

Client Sample ID: TP-1-G3-4.0-060214

Lab Sample ID: 580-43862-2

Date Collected: 06/02/14 10:30

Matrix: Solid

Date Received: 06/03/14 16:00

Percent Solids: 76.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			160663	06/09/14 11:22	CTC	TAL SEA
Total/NA	Analysis	8270C		25	160851	06/11/14 15:25	ERB	TAL SEA
Total/NA	Prep	3546			160903	06/11/14 15:29	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	161072	06/13/14 19:50	JJP	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

Client Sample ID: TP-2-G3-1.0-060214

Lab Sample ID: 580-43862-3

Date Collected: 06/02/14 10:45

Matrix: Solid

Date Received: 06/03/14 16:00

Percent Solids: 72.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			160663	06/09/14 11:22	CTC	TAL SEA
Total/NA	Analysis	8270C		25	160851	06/11/14 16:39	ERB	TAL SEA
Total/NA	Prep	3546			160903	06/11/14 15:29	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	161072	06/13/14 20:37	JJP	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

Client Sample ID: TP-2-G3-2.0-060214

Lab Sample ID: 580-43862-4

Date Collected: 06/02/14 11:01

Matrix: Solid

Date Received: 06/03/14 16:00

Percent Solids: 93.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			161313	06/16/14 14:26	LHJ	TAL SEA
Total/NA	Analysis	8270C		1	162312	06/26/14 17:54	ERB	TAL SEA
Total/NA	Prep	3546			161289	06/16/14 11:47	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	161250	06/16/14 23:26	JJP	TAL SEA
Total/NA	Analysis	D 2216		1	161651	06/19/14 11:17	NMD	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43862-2

Client Sample ID: TP-3-G4-4.0-060214

Lab Sample ID: 580-43862-5

Date Collected: 06/02/14 11:47

Matrix: Solid

Date Received: 06/03/14 16:00

Percent Solids: 73.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			160765	06/03/14 16:10	JMB	TAL SEA
Total/NA	Analysis	8260B		1	160763	06/10/14 17:24	JMB	TAL SEA
Total/NA	Prep	5035	RA		160925	06/03/14 16:10	JMB	TAL SEA
Total/NA	Analysis	8260B	RA	1	160872	06/11/14 23:42	JMB	TAL SEA
Total/NA	Prep	3550B			160663	06/09/14 11:22	CTC	TAL SEA
Total/NA	Analysis	8270C		25	160851	06/11/14 17:03	ERB	TAL SEA
Total/NA	Prep	3546			160903	06/11/14 15:29	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	161072	06/13/14 20:53	JJP	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

Client Sample ID: TP-3-G4-9.0-060214

Lab Sample ID: 580-43862-6

Date Collected: 06/02/14 12:04

Matrix: Solid

Date Received: 06/03/14 16:00

Percent Solids: 94.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			161313	06/16/14 14:26	LHJ	TAL SEA
Total/NA	Analysis	8270C		1	162312	06/26/14 18:20	ERB	TAL SEA
Total/NA	Prep	3546			161289	06/16/14 11:47	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	161250	06/16/14 23:44	JJP	TAL SEA
Total/NA	Analysis	D 2216		1	161651	06/19/14 11:17	NMD	TAL SEA

Client Sample ID: TP-4-G4-9.0-060214

Lab Sample ID: 580-43862-7

Date Collected: 06/02/14 13:25

Matrix: Solid

Date Received: 06/03/14 16:00

Percent Solids: 88.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			161313	06/16/14 14:26	LHJ	TAL SEA
Total/NA	Analysis	8270C		1	162312	06/26/14 18:46	ERB	TAL SEA
Total/NA	Prep	3546			161289	06/16/14 11:47	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	161250	06/17/14 00:02	JJP	TAL SEA
Total/NA	Analysis	D 2216		1	161651	06/19/14 11:17	NMD	TAL SEA

Client Sample ID: TP-5-G4-6.0-060214

Lab Sample ID: 580-43862-8

Date Collected: 06/02/14 14:10

Matrix: Solid

Date Received: 06/03/14 16:00

Percent Solids: 92.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			160663	06/09/14 11:22	CTC	TAL SEA
Total/NA	Analysis	8270C		5	160851	06/11/14 17:28	ERB	TAL SEA
Total/NA	Prep	3546			160903	06/11/14 15:29	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	161072	06/13/14 21:08	JJP	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43862-2

Client Sample ID: TP-6-G4-5.0-060214

Lab Sample ID: 580-43862-9

Date Collected: 06/02/14 14:51

Matrix: Solid

Date Received: 06/03/14 16:00

Percent Solids: 93.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			160663	06/09/14 11:22	CTC	TAL SEA
Total/NA	Analysis	8270C		25	160851	06/11/14 17:52	ERB	TAL SEA
Total/NA	Prep	3546			160903	06/11/14 15:29	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	161072	06/13/14 21:24	JJP	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

Client Sample ID: TP-7-SW-1.0-060214

Lab Sample ID: 580-43862-10

Date Collected: 06/02/14 16:17

Matrix: Solid

Date Received: 06/03/14 16:00

Percent Solids: 70.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			160663	06/09/14 11:22	CTC	TAL SEA
Total/NA	Analysis	8270C		25	160851	06/11/14 18:17	ERB	TAL SEA
Total/NA	Prep	3546			160903	06/11/14 15:29	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	161072	06/13/14 21:40	JJP	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

Client Sample ID: TP-7-CEN-2.0-060214

Lab Sample ID: 580-43862-13

Date Collected: 06/02/14 17:30

Matrix: Solid

Date Received: 06/03/14 16:00

Percent Solids: 87.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			161538	06/18/14 11:06	MMH	TAL SEA
Total/NA	Analysis	8260B		1	161563	06/18/14 13:09	MMH	TAL SEA
Total/NA	Prep	3550B			161313	06/16/14 14:26	LHJ	TAL SEA
Total/NA	Analysis	8270C		1	162312	06/26/14 19:12	ERB	TAL SEA
Total/NA	Prep	3546			161289	06/16/14 11:47	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	161250	06/17/14 00:20	JJP	TAL SEA
Total/NA	Analysis	D 2216		1	161651	06/19/14 11:17	NMD	TAL SEA

Client Sample ID: TP-7-E-2.0-060214

Lab Sample ID: 580-43862-15

Date Collected: 06/02/14 17:55

Matrix: Solid

Date Received: 06/03/14 16:00

Percent Solids: 86.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			161313	06/16/14 14:26	LHJ	TAL SEA
Total/NA	Analysis	8270C		1	162312	06/26/14 19:39	ERB	TAL SEA
Total/NA	Prep	3546			161289	06/16/14 11:47	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	161250	06/17/14 00:38	JJP	TAL SEA
Total/NA	Prep	3546	DL		161289	06/16/14 11:47	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx	DL	10	162024	06/24/14 11:23	JJP	TAL SEA
Total/NA	Analysis	D 2216		1	161651	06/19/14 11:17	NMD	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43862-2

Client Sample ID: TP-7-N-1.0-060214

Lab Sample ID: 580-43862-16

Date Collected: 06/02/14 17:36

Matrix: Solid

Date Received: 06/03/14 16:00

Percent Solids: 76.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			161538	06/18/14 11:06	MMH	TAL SEA
Total/NA	Analysis	8260B		1	161563	06/18/14 13:36	MMH	TAL SEA
Total/NA	Prep	3550B			160663	06/09/14 11:22	CTC	TAL SEA
Total/NA	Analysis	8270C		25	160851	06/11/14 18:42	ERB	TAL SEA
Total/NA	Prep	3546			160903	06/11/14 15:48	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	161072	06/13/14 21:55	JJP	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

Client Sample ID: TP-7-W-2.0-060214

Lab Sample ID: 580-43862-19

Date Collected: 06/02/14 17:57

Matrix: Solid

Date Received: 06/03/14 16:00

Percent Solids: 91.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			160663	06/09/14 11:22	CTC	TAL SEA
Total/NA	Analysis	8270C		5	160851	06/11/14 19:06	ERB	TAL SEA
Total/NA	Prep	3546			160903	06/11/14 15:48	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	161072	06/13/14 22:11	JJP	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

Laboratory References:

TAL SEA = TestAmerica Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Certification Summary

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43862-2

Laboratory: TestAmerica Seattle

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska (UST)	State Program	10	UST-112	05-27-15
California	NELAP	9	01115CA	01-31-14 *
California	State Program	9	2901	01-31-15
L-A-B	DoD ELAP		L2236	01-19-16
L-A-B	ISO/IEC 17025		L2236	01-19-16
Montana (UST)	State Program	8	N/A	04-30-20
Oregon	NELAP	10	WA100007	11-06-14
USDA	Federal		P330-11-00222	04-08-17
Washington	State Program	10	C553	02-17-15

* Certification renewal pending - certification considered valid.

TestAmerica Seattle

Sample Summary

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43862-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-43862-1	TP-1-G3-6.0-060214	Solid	06/02/14 10:20	06/03/14 16:00
580-43862-2	TP-1-G3-4.0-060214	Solid	06/02/14 10:30	06/03/14 16:00
580-43862-3	TP-2-G3-1.0-060214	Solid	06/02/14 10:45	06/03/14 16:00
580-43862-4	TP-2-G3-2.0-060214	Solid	06/02/14 11:01	06/03/14 16:00
580-43862-5	TP-3-G4-4.0-060214	Solid	06/02/14 11:47	06/03/14 16:00
580-43862-6	TP-3-G4-9.0-060214	Solid	06/02/14 12:04	06/03/14 16:00
580-43862-7	TP-4-G4-9.0-060214	Solid	06/02/14 13:25	06/03/14 16:00
580-43862-8	TP-5-G4-6.0-060214	Solid	06/02/14 14:10	06/03/14 16:00
580-43862-9	TP-6-G4-5.0-060214	Solid	06/02/14 14:51	06/03/14 16:00
580-43862-10	TP-7-SW-1.0-060214	Solid	06/02/14 16:17	06/03/14 16:00
580-43862-13	TP-7-CEN-2.0-060214	Solid	06/02/14 17:30	06/03/14 16:00
580-43862-15	TP-7-E-2.0-060214	Solid	06/02/14 17:55	06/03/14 16:00
580-43862-16	TP-7-N-1.0-060214	Solid	06/02/14 17:36	06/03/14 16:00
580-43862-19	TP-7-W-2.0-060214	Solid	06/02/14 17:57	06/03/14 16:00

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Seattle
5765 8th Street E.
Tacoma, WA 98424
Tel. 253-922-2310
Fax 253-922-5047
www.testamericainc.com

☒ Rush
☐ Short Hold

Chain of
Custody Record
43862 - Reuse

Client		Client Contact		Date		Chain of Custody Number	
Address		Telephone Number (Area Code/Fax Number)		Lab Number		Page 1 of 2	
City		State		Zip Code			
Project Name and Location (State)		Sampler		Lab Contact			
Contract/Purchase Order/Quote No.		Billing Contact		Matrix		Containers & Preservatives	
Sample ID and Location/Description (Containers for each sample may be combined on one line)		Date		Time		Analysis (Attach list if more space is needed)	
TP-1-63-60-060214		6/12/09		10:00		MTA 5 Metals NWTPH-HCID NWTPH-EX CRHS by EPA 8230A VOCs by EPA 8260	
TP-1-63-60-060214		6/12/09		10:00		XX	
TP-2-63-60-060214		6/12/09		10:00		XX	
TP-3-63-60-060214		6/12/09		10:00		XX	
TP-4-63-60-060214		6/12/09		10:00		XX	
TP-5-63-60-060214		6/12/09		10:00		XX	
TP-6-63-60-060214		6/12/09		10:00		XX	
TP-7-63-60-060214		6/12/09		10:00		XX	
TP-8-63-60-060214		6/12/09		10:00		XX	
TP-9-63-60-060214		6/12/09		10:00		XX	
TP-10-63-60-060214		6/12/09		10:00		XX	
TP-11-63-60-060214		6/12/09		10:00		XX	
TP-12-63-60-060214		6/12/09		10:00		XX	
Cooler		Possible Hazard Identification		Sample Disposal		Disposal By Lab	
☐ Yes ☐ No Cooler Temp: _____		☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown		☐ Return To Client ☐ Archive For _____ Months		(A fee may be assessed if samples are retained longer than 1 month)	
Turn Around Time Required (business days)		24 Hours ☐ 48 Hours ☐ 5 Days ☐ 10 Days ☐ 15 Days ☐ Other _____		1. Received By Sign/Print		Date	
2. Relinquished By Sign/Print		Date		2. Received By Sign/Print		Date	
3. Relinquished By Sign/Print		Date		3. Received By Sign/Print		Date	
Comments							

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

TAL-8274-580 (02-10)

[illegible]

Client Favelon Consulting Client Contact Erin Erickson - Mulvaney Date 6/17/14 Chain of Custody Number 19393

Address 475 5th Ave NW Telephone Number (Area Code)/Fax Number (425) 299-0625 Lab Number 43862 Page 7 of 2

City Issaquah State WA Zip Code 98027 Sampler Strom, Owen Lab Contact Kris Olson

Project Name and Location (State) Glacier Recycling Billing Contact Nick Hawbert

Contract/Purchase Order/Quote No. 2133073141 Matrix ☐ Containers & Preservatives ☐

Sample ID and Location/Description (Containers for each sample may be combined on one line)

Sample ID and Location/Description	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	HOAc
TP-7-CEN-2.0-060214	6/02/2014	1730				X	4						1
TP-7-E-1.0-060214		1732											
TP-7-E-2.0-060214		1753											
TP-7-N-1.0-060214		1736											
TP-7-N-2.0-060214		1743											
TP-7-W-1.0-060214		1751											
TP-7-W-2.0-060214		1757											
Tip blanks			X				2						

Cooler (IB) Dig/IR cor 3.2" unc 3.7"
Cooler Disc 1.5 Blue/white @ Lab 1600
Wet/Packs Packing Other
w/10 AI

Cooler ☐ Yes ☐ No Cooler Temp. Possible Hazard Identification ☐ Non-Hazard ☐ Flammable

Turn Around Time Required (business days) ☐ 24 Hours ☐ 48 Hours ☐ 5 Days ☐ 10 Days ☐ 15 Days ☐ Other QC Requirements (Specify)

1. Relinquished By Sign/Print Erin Erickson Date 6/17/14 Time 1400 1. Received By Sign/Print Francisco Luna, Jr. Date 6/3/14 Time 1445

2. Relinquished By Sign/Print Erin Erickson Date Time 2. Received By Sign/Print Date Time

3. Relinquished By Sign/Print Date Time 3. Received By Sign/Print Date Time

Comments

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

Login Sample Receipt Checklist

Client: Farallon Consulting LLC

Job Number: 580-43862-2

Login Number: 43862

List Source: TestAmerica Seattle

List Number: 1

Creator: Presley, Kim A

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Seattle

5755 8th Street East

Tacoma, WA 98424

Tel: (253)922-2310

TestAmerica Job ID: 580-43867-3

Client Project/Site: Glacier Recycling

For:

Farallon Consulting LLC

975 5th Avenue NW

Suite 100

Issaquah, Washington 98027

Attn: Emerald Erickson-Mulanax

Kristine D. Allen

Authorized for release by:

7/3/2014 3:59:36 PM

Kristine Allen, Manager of Project Management

(253)248-4970

kristine.allen@testamericainc.com

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results through

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www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Case Narrative

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Job ID: 580-43867-3

Laboratory: TestAmerica Seattle

Narrative

CASE NARRATIVE

Client: Farallon Consulting LLC
Project: Glacier Recycling
Report Number: 580-43867-3

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) resulting from a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are an unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes within the calibration range of the instrument or that reduces the interferences thereby enabling the quantification of target analytes.

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

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 06/04/2014; the samples arrived in good condition, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 1.8° C, 2.1° C and 2.3° C.

There is no sample time on the Methanol container label for E8-3.5-060314 (580-43867-2).

The sample ID on the container label for the following sample TP-8-1.5-060314 (580-43867-7) did not match the information listed on the Chain-of-Custody (COC). The container labels list TP-8-2.0-060314 while the COC lists TP-8-1.5-06.214. The sample has been logged in using the COC.

One of the 4 oz soil jars for sample G9-1.5-060314 (580-43867-11) appears to have been compromised with cooler water. This jar has a large amount of water while its partner container does not. This container was labeled as "DO NOT USE".

The sample times on the following container label did not match the information listed on the Chain-of-Custody (COC): F9-5.0-060314 (580-43867-21), I8-3.0-060314 (580-43867-37) -21 the container labels list a sample time of 1236 while the COC lists 1227. F9-5.0-060314 (580-43867-21), I8-3.0-060314 (580-43867-37)-37 the container label lists a sample time of 1504 while the COC lists 1512. The sample times used were from the COC.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples E8-2.5-060314 (580-43867-1), E8-3.5-060314 (580-43867-2), F8-2.5-060314 (580-43867-3), F8-3.5-060314 (580-43867-4), TP-7-CEN-E-1.5-060314 (580-43867-5), TP-7-CEN-E-3.0-060314 (580-43867-6), TP-8-1.5-060314 (580-43867-7), G9-1.5-060314 (580-43867-11), G9-6.0-060314 (580-43867-12), TP-10-6.0-060314 (580-43867-14), B9-5.0-060314 (580-43867-15), G9-5.0-060314 (580-43867-20), J8-5.0-060314 (580-43867-23), J7-5.0-060314 (580-43867-24), J6-6.0-060314 (580-43867-25), J5-5.0-060314 (580-43867-26), J4-5.0-060314 (580-43867-27), J3-5.0-060314 (580-43867-28), J2-5.0-060314 (580-43867-29), I1-5.0-060314 (580-43867-30), G8-1.5-060314 (580-43867-32), I7-2.0-060314 (580-43867-38), I7-4.0-060314 (580-43867-39), E7-1.5-060314 (580-43867-41) and E7-4.0-060314 (580-43867-42) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were prepared on 06/04/2014 and 06/17/2014 and analyzed on 06/10/2014, 06/12/2014 and 06/17/2014.

Case Narrative

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Job ID: 580-43867-3 (Continued)

Laboratory: TestAmerica Seattle (Continued)

cis-1,3-Dichloropropene exceeded the RPD limit for LCSD 580-161410/3-A. The individual recoveries met the acceptance criteria.

The Internal standard responses of Chlorobenzene-d5 (IS group 107) and 1,4-Dichlorobenzene-d4 (IS group 51) were outside of acceptance limits for the following sample(s): E8-2.5-060314 (580-43867-1). The sample was reanalyzed in analytical batch 580-161858 confirming the matrix effect. Due to the low ISTD response all detections associated with the affected IS are subject to a potential high bias.

1,2-Dichloroethane-d4 (Surr), 4-Bromofluorobenzene (Surr), Dibromofluoromethane (Surr) and Toluene-d8 (Surr) failed the surrogate recovery criteria high for E8-2.5-060314 (580-43867-1). Evidence of matrix interference is present; reanalysis in analytical batch 161858 confirmed the low IS and high recoveries for the associated sample.

The Internal standard 1,4-Dichlorobenzene-d4 (IS group 51) responses were outside of lower acceptance limits for the following sample(s): TP-7-CEN-E-1.5-060314 (580-43867-5). The failure is attributed to matrix interference due to similar low recoveries seen in the reanalysis in analytical batch 580-160872. The compounds associated with IS group 51 were flagged (*) and are subject to a high bias.

The surrogate Toluene-d8 recovery for the following sample(s) was outside upper control limits: TP-7-CEN-E-1.5-060314 (580-43867-5). Evidence of matrix interference is present; similar high results were observed in the reanalysis in analytical batch 160872.

The following samples were reanalyzed in analytical batch 580-160872 due to the failure of the compound Naphthalene in the ICV for ICAL 160622 and to confirm the low ISTD recoveries seen in the initial analysis in analytical batch 580-160763: TP-7-CEN-E-1.5-060314 (580-43867-5). The low internal standard recovery of 1,4-Dichlorobenzene-d4 (IS group 51) was confirmed in the reanalysis and the compound Naphthalene was reported from this batch with a potential high bias.

No other difficulties were encountered during the VOC analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples E8-2.5-060314 (580-43867-1), E8-3.5-060314 (580-43867-2), F8-2.5-060314 (580-43867-3), F8-3.5-060314 (580-43867-4), TP-7-CEN-E-1.5-060314 (580-43867-5), TP-7-CEN-E-3.0-060314 (580-43867-6), TP-8-1.5-060314 (580-43867-7), G9-1.5-060314 (580-43867-11), G9-6.0-060314 (580-43867-12), TP-10-6.0-060314 (580-43867-14), J7-5.0-060314 (580-43867-24), J6-6.0-060314 (580-43867-25), J5-5.0-060314 (580-43867-26), J4-5.0-060314 (580-43867-27), J2-5.0-060314 (580-43867-29), I1-5.0-060314 (580-43867-30), I7-2.0-060314 (580-43867-38), I7-4.0-060314 (580-43867-39), E7-1.5-060314 (580-43867-41) and E7-4.0-060314 (580-43867-42) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 06/09/2014 and 06/17/2014 and analyzed on 06/11/2014, 06/24/2014, 06/26/2014 and 06/28/2014.

Samples E8-2.5-060314 (580-43867-1)[5X], F8-2.5-060314 (580-43867-3)[5X], F8-3.5-060314 (580-43867-4)[5X], TP-7-CEN-E-1.5-060314 (580-43867-5)[25X], TP-8-1.5-060314 (580-43867-7)[25X], G9-1.5-060314 (580-43867-11)[5X], J6-6.0-060314 (580-43867-25)[10X], J5-5.0-060314 (580-43867-26)[5X], J4-5.0-060314 (580-43867-27)[10X], J2-5.0-060314 (580-43867-29)[10X], I1-5.0-060314 (580-43867-30)[10X], I7-2.0-060314 (580-43867-38)[10X] and E7-1.5-060314 (580-43867-41)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The following samples were diluted due to the nature of the sample matrix: (580-43862-2 MS), (580-43862-2 MSD), TP-1-G3-4.0-060214 (580-43862-2), TP-7-CEN-E-1.5-060314 (580-43867-5), TP-8-1.5-060314 (580-43867-7). Previous analysis was performed at lesser dilutions but did not yield valid results; the oily nature of the matrix of these soils suppressed the Perylene-d12 internal standard (IS) needed for quantitation. Target analytes could not be calculated until a second run at higher dilutions was performed.

In preparation batch 580-161360, a deviation from the Standard Operating Procedure (SOP) occurred for samples E8-2.5-060314 (580-43867-1), F8-2.5-060314 (580-43867-3). Details are as follows: due to the nature of the sample extract, the original 10 gram extracted samples solvent would not filter through the extract drying apparatus. The sample was extracted at a nominal 2.5 gram aliquot instead. For sample 580-43867-3, the extract solvent was too viscous to be concentrated below 10 mL; therefore, this sample was brought to a final volume of 100 mL instead.

Case Narrative

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Job ID: 580-43867-3 (Continued)

Laboratory: TestAmerica Seattle (Continued)

Terphenyl-d14 failed the surrogate recovery criteria low for J7-5.0-060314 (580-43867-24). Chromatographic evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Dibenz(a,h)anthracene and Indeno[1,2,3-cd]pyrene failed the recovery criteria low for the MS of sample E8-3.5-060314MS (580-43867-2) in batch 580-162008. Benzo[b]fluoranthene and Benzo[k]fluoranthene failed the recovery criteria high. The associated lab control sample met the acceptance criteria.

Dibenz(a,h)anthracene and Indeno[1,2,3-cd]pyrene exceeded the RPD limit for the MSD of sample E8-3.5-060314MSD (580-43867-2) in batch 580-162298. The associated lab control sample met the acceptance criteria.

No other difficulties were encountered during the SVOC analysis.

All other quality control parameters were within the acceptance limits.

GASOLINE RANGE ORGANICS (GRO)

Samples E8-2.5-060314 (580-43867-1), E8-3.5-060314 (580-43867-2), F8-2.5-060314 (580-43867-3), F8-3.5-060314 (580-43867-4), TP-7-CEN-E-1.5-060314 (580-43867-5), TP-7-CEN-E-3.0-060314 (580-43867-6), TP-8-1.5-060314 (580-43867-7), G9-1.5-060314 (580-43867-11), G9-6.0-060314 (580-43867-12), TP-10-6.0-060314 (580-43867-14), B9-5.0-060314 (580-43867-15), G9-5.0-060314 (580-43867-20), J8-5.0-060314 (580-43867-23), J7-5.0-060314 (580-43867-24), J6-6.0-060314 (580-43867-25), J5-5.0-060314 (580-43867-26), J4-5.0-060314 (580-43867-27), J3-5.0-060314 (580-43867-28), J2-5.0-060314 (580-43867-29), I1-5.0-060314 (580-43867-30), G8-1.5-060314 (580-43867-32), I7-2.0-060314 (580-43867-38), I7-4.0-060314 (580-43867-39), E7-1.5-060314 (580-43867-41) and E7-4.0-060314 (580-43867-42) were analyzed for gasoline range organics (GRO) in accordance with Method NWTPH-Gx. The samples were prepared on 06/16/2014 and 06/17/2014 and analyzed on 06/17/2014 and 06/18/2014.

The following sample(s) was analyzed outside of analytical holding time. : I1-5.0-060314 (580-43867-30), J2-5.0-060314 (580-43867-29), J3-5.0-060314 (580-43867-28), J4-5.0-060314 (580-43867-27), J5-5.0-060314 (580-43867-26), J6-6.0-060314 (580-43867-25), E7-1.5-060314 (580-43867-41), E7-4.0-060314 (580-43867-42), G8-1.5-060314 (580-43867-32), I7-2.0-060314 (580-43867-38), I7-4.0-060314 (580-43867-39).

No difficulties were encountered during the GRO analysis.

All quality control parameters were within the acceptance limits.

DIESEL AND EXTENDED RANGE ORGANICS

Samples E8-2.5-060314 (580-43867-1), E8-3.5-060314 (580-43867-2), F8-2.5-060314 (580-43867-3), F8-3.5-060314 (580-43867-4), TP-7-CEN-E-1.5-060314 (580-43867-5), TP-7-CEN-E-3.0-060314 (580-43867-6), TP-8-1.5-060314 (580-43867-7), G9-1.5-060314 (580-43867-11), G9-6.0-060314 (580-43867-12), TP-10-6.0-060314 (580-43867-14), B9-5.0-060314 (580-43867-15), C9-5.0-060314 (580-43867-16), D9-5.0-060314 (580-43867-17), H9-5.0-060314 (580-43867-19), G9-5.0-060314 (580-43867-20), F9-5.0-060314 (580-43867-21), I9-5.0-060314 (580-43867-22), J8-5.0-060314 (580-43867-23), J7-5.0-060314 (580-43867-24), J6-6.0-060314 (580-43867-25), J5-5.0-060314 (580-43867-26), J4-5.0-060314 (580-43867-27), J2-5.0-060314 (580-43867-29), I1-5.0-060314 (580-43867-30), G8-1.5-060314 (580-43867-32), H9-N-1.5-060314 (580-43867-34), I7-2.0-060314 (580-43867-38), I7-4.0-060314 (580-43867-39), D7-3.0-060314 (580-43867-40), E7-1.5-060314 (580-43867-41) and E7-4.0-060314 (580-43867-42) were analyzed for diesel and extended range organics in accordance with Method NWTPH-Dx. The samples were prepared on 06/09/2014, 06/11/2014 and 06/17/2014 and analyzed on 06/12/2014, 06/13/2014, 06/18/2014, 06/19/2014, 06/20/2014 and 06/23/2014.

Samples E8-2.5-060314 (580-43867-1)[10X], F8-2.5-060314 (580-43867-3)[10X], G9-1.5-060314 (580-43867-11)[10X], B9-5.0-060314 (580-43867-15)[10X], C9-5.0-060314 (580-43867-16)[10X], D9-5.0-060314 (580-43867-17)[10X], H9-5.0-060314 (580-43867-19)[10X], F9-5.0-060314 (580-43867-21)[5X], I9-5.0-060314 (580-43867-22)[5X], J6-6.0-060314 (580-43867-25)[10X], J5-5.0-060314 (580-43867-26)[10X], J4-5.0-060314 (580-43867-27)[10X], J2-5.0-060314 (580-43867-29)[10X], I1-5.0-060314 (580-43867-30)[10X], G8-1.5-060314 (580-43867-32)[10X], I7-2.0-060314 (580-43867-38)[10X] and E7-1.5-060314 (580-43867-41)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Motor Oil (>C24-C36) exceeded the RPD limit for the duplicate of sample TP-7-CEN-E-1.5-060314DU (580-43867-5). Motor Oil (>C24-C36) exceeded the RPD limit for the duplicate of sample 580-43877-22. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within

Case Narrative

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acceptance limits.

In preparation batch 580-161463, a deviation from the Standard Operating Procedure (SOP) occurred. Details are as follows: the extracts for samples (580-43867-1 DU), E8-2.5-060314 (580-43867-1), F8-2.5-060314 (580-43867-3) were very viscous; therefore, the samples were brought to a 100 mL final volume, rather than the standard 10 mL final volume.

In analytical batch 16113, for the following sample(s) from preparation batch 161463: (580-43867-1 DU), E8-2.5-060314 (580-43867-1), F8-2.5-060314 (580-43867-3), F8-3.5-060314 (580-43867-4), G9-1.5-060314 (580-43867-11), the results in the Motor Oil (>C24-C36) range is primarily due to motor oil range products.

In analytical batch 580-161072, for the following sample(s) from preparation batch 580-160903: TP-7-CEN-E-1.5-060314 (580-43867-5), TP-8-1.5-060314 (580-43867-7), the results in the #2 Diesel Fuel (C10-C24) range are due primarily to motor oil overlap. The affected analyte range has been Y-flagged and reported.

In analytical batch 580-161498, for the following sample(s) from preparation batch 161463: B9-5.0-060314 (580-43867-15), H9-5.0-060314 (580-43867-19), J5-5.0-060314 (580-43867-26), the results in the Motor Oil (>C24-C36) range is due to what most closely resembles a complex mixture of motor oil range products.

In analytical batch 580-161498, for the following sample(s) from preparation batch 161463: C9-5.0-060314 (580-43867-16), D9-5.0-060314 (580-43867-17), F9-5.0-060314 (580-43867-21), G9-5.0-060314 (580-43867-20), I9-5.0-060314 (580-43867-22), J4-5.0-060314 (580-43867-27), J6-6.0-060314 (580-43867-25), J7-5.0-060314 (580-43867-24), J8-5.0-060314 (580-43867-23), the results in the #2 Diesel Fuel (C10-C24) and Motor Oil (>C24-C36) range(s) are due to what most closely resembles a complex mixture of weathered/degraded diesel fuel and motor oil range products.

In analytical batch 580-161882, for the following sample from preparation batch 161470: I7-2.0-060314 (580-43867-38), the results in the Motor Oil (>C24-C36) range is due primarily to motor oil range products.

In analytical batch 580-161882, for the following sample(s) from preparation batch 161470: D7-3.0-060314 (580-43867-40), E7-1.5-060314 (580-43867-41), H9-N-1.5-060314 (580-43867-34), the results in the #2 Diesel Fuel (C10-C24) and Motor Oil (>C24-C36) range(s) are due to what most closely resembles a complex mixture of weathered/degraded diesel fuel and motor oil range products.

No other difficulties were encountered during the diesel and extended range organics analysis.

All other quality control parameters were within the acceptance limits.

HCID

Samples E8-2.5-060314 (580-43867-1), F8-2.5-060314 (580-43867-3), G9-1.5-060314 (580-43867-11), B9-5.0-060314 (580-43867-15), C9-5.0-060314 (580-43867-16), D9-5.0-060314 (580-43867-17), E9-5.0-060314 (580-43867-18), H9-5.0-060314 (580-43867-19), G9-5.0-060314 (580-43867-20), F9-5.0-060314 (580-43867-21), I9-5.0-060314 (580-43867-22), J8-5.0-060314 (580-43867-23), J7-5.0-060314 (580-43867-24), J6-6.0-060314 (580-43867-25), J5-5.0-060314 (580-43867-26), J4-5.0-060314 (580-43867-27), J3-5.0-060314 (580-43867-28), J2-5.0-060314 (580-43867-29), I1-5.0-060314 (580-43867-30), G8-1.5-060314 (580-43867-32), H9-N-1.5-060314 (580-43867-34), H8-6.0-060314 (580-43867-36), I8-3.0-060314 (580-43867-37), I7-2.0-060314 (580-43867-38), D7-3.0-060314 (580-43867-40), E7-1.5-060314 (580-43867-41) and F7-5.0-060314 (580-43867-43) were analyzed for HCID in accordance with NWTPH-HCID. The samples were prepared on 06/09/2014 and analyzed on 06/10/2014, 06/11/2014, 06/12/2014 and 06/13/2014.

Samples G9-1.5-060314 (580-43867-11)[10X], C9-5.0-060314 (580-43867-16)[10X], H9-5.0-060314 (580-43867-19)[10X] and F9-5.0-060314 (580-43867-21)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

In analytical batch 580-160772, for the following sample(s) from preparation batch 160648: E7-1.5-060314 (580-43867-41), E8-2.5-060314 (580-43867-1), F8-2.5-060314 (580-43867-3), G8-1.5-060314 (580-43867-32), I1-5.0-060314 (580-43867-30), I7-2.0-060314 (580-43867-38), J2-5.0-060314 (580-43867-29), J4-5.0-060314 (580-43867-27), J5-5.0-060314 (580-43867-26), J6-6.0-060314 (580-43867-25), J7-5.0-060314 (580-43867-24), J8-5.0-060314 (580-43867-23), the results in the gasoline through toluene range, #2 Diesel Fuel (C10-C24), and Motor Oil (>C24-C36) range(s) are due to what most closely resembles a complex mixture of a weathered gasoline product, weathered/degraded diesel fuel, and motor oil range products.

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In analytical batch 580-160922, for the following sample from preparation batch 580-160641: G9-1.5-060314 (580-43867-11), the results in the gasoline through toluene, #2 Diesel Fuel (C10-C24), and Motor Oil (>C24-C36) range(s) are due to what most closely resembles a complex mixture of a weathered gasoline product, weathered/degraded diesel fuel, and motor oil range products.

In analytical batch 580-161082, for the following sample from preparation batch 580-160641: B9-5.0-060314 (580-43867-15), the results in the gasoline through toluene, #2 Diesel Fuel (C10-C24), and Motor Oil (>C24-C36) range(s) are due to what most closely resembles a complex mixture of a weathered gasoline product, weathered/degraded diesel fuel, and motor oil range products.

In analytical batch 580-160922, for the following sample(s) from preparation batch 580-160641: C9-5.0-060314 (580-43867-16), F9-5.0-060314 (580-43867-21), H9-5.0-060314 (580-43867-19), the results in the Motor Oil (>C24-C36) range is due to what most closely resembles a complex mixture of motor oil range products.

In analytical batch 580-161082, for the following sample from preparation batch 580-160641: D9-5.0-060314 (580-43867-17), the results in the #2 Diesel Fuel (C10-C24) and Motor Oil (>C24-C36) range(s) are due to what most closely resembles a complex mixture of weathered/degraded diesel fuel and motor oil range products.

In analytical batch 580-160922, for the following sample from preparation batch 580-160641: G9-5.0-060314 (580-43867-20), the results in the gasoline through toluene range and Motor Oil (>C24-C36) range(s) are due to what most closely resembles a complex mixture of a weathered gasoline product and motor oil range product.

In analytical batch 580-160772, for the following sample(s) from preparation batch 580-160648: H9-N-1.5-060314 (580-43867-34), I9-5.0-060314 (580-43867-22), the results in the #2 Diesel Fuel (C10-C24) and Motor Oil (>C24-C36) range(s) are due to what most closely resembles a complex mixture of weathered/degraded diesel fuel and motor oil range products.

In analytical batch 580-160772, for the following sample from preparation batch 580-160648: J3-5.0-060314 (580-43867-28), the results in the gasoline through toluene range is due to what most closely resembles a complex mixture of a weathered gasoline products.

In analytical batch 580-160772, for the following sample from preparation batch 580-160648: D7-3.0-060314 (580-43867-40), the results in the Motor Oil (>C24-C36) range is due to what most closely resembles a complex mixture of motor oil range products.

Bromofluorobenzene (Surr) failed the surrogate recovery criteria low for D7-3.0-060314 (580-43867-40). Evidence of matrix interference is present in the chromatogram; therefore, re-extraction and/or re-analysis was not performed.

No other difficulties were encountered during the HCID analysis.

All other quality control parameters were within the acceptance limits.

TOTAL METALS (ICP)

Samples E8-2.5-060314 (580-43867-1), F8-2.5-060314 (580-43867-3), G9-1.5-060314 (580-43867-11), B9-5.0-060314 (580-43867-15), C9-5.0-060314 (580-43867-16), D9-5.0-060314 (580-43867-17), E9-5.0-060314 (580-43867-18), H9-5.0-060314 (580-43867-19), G9-5.0-060314 (580-43867-20), F9-5.0-060314 (580-43867-21), I9-5.0-060314 (580-43867-22), J8-5.0-060314 (580-43867-23), J7-5.0-060314 (580-43867-24), J6-6.0-060314 (580-43867-25), J5-5.0-060314 (580-43867-26), J4-5.0-060314 (580-43867-27), J3-5.0-060314 (580-43867-28), J2-5.0-060314 (580-43867-29), I1-5.0-060314 (580-43867-30), G8-1.5-060314 (580-43867-32), H9-N-1.5-060314 (580-43867-34), H8-6.0-060314 (580-43867-36), I8-3.0-060314 (580-43867-37), I7-2.0-060314 (580-43867-38), D7-3.0-060314 (580-43867-40), E7-1.5-060314 (580-43867-41) and F7-5.0-060314 (580-43867-43) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 06/18/2014 and analyzed on 06/19/2014.

Chromium failed the recovery criteria low for the MS of sample E9-5.0-060314MS (580-43867-18) in batch 580-161753. The associated lab control sample met the acceptance criteria.

Chromium failed the recovery criteria low for the MSD of sample E9-5.0-060314MSD (580-43867-18) in batch 580-161753. The associated lab control sample met the acceptance criteria.

Chromium failed the recovery criteria high for the MSD of sample D7-3.0-060314MSD (580-43867-40) in batch 580-161719. Chromium

Case Narrative

Client: Farallon Consulting LLC
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exceeded the RPD limit. The associated lab control sample met the acceptance criteria.

Lead exceeded the RPD limit for the duplicate of sample D7-3.0-060314DU (580-43867-40). The sample may not be homogeneous.

No other difficulties were encountered during the metals analysis.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples E8-2.5-060314 (580-43867-1), F8-2.5-060314 (580-43867-3), G9-1.5-060314 (580-43867-11), B9-5.0-060314 (580-43867-15), C9-5.0-060314 (580-43867-16), D9-5.0-060314 (580-43867-17), E9-5.0-060314 (580-43867-18), H9-5.0-060314 (580-43867-19), G9-5.0-060314 (580-43867-20), F9-5.0-060314 (580-43867-21), I9-5.0-060314 (580-43867-22), J8-5.0-060314 (580-43867-23), J7-5.0-060314 (580-43867-24), J6-6.0-060314 (580-43867-25), J5-5.0-060314 (580-43867-26), J4-5.0-060314 (580-43867-27), J3-5.0-060314 (580-43867-28), J2-5.0-060314 (580-43867-29), I1-5.0-060314 (580-43867-30), G8-1.5-060314 (580-43867-32), H9-N-1.5-060314 (580-43867-34), H8-6.0-060314 (580-43867-36), I8-3.0-060314 (580-43867-37), I7-2.0-060314 (580-43867-38), D7-3.0-060314 (580-43867-40), E7-1.5-060314 (580-43867-41) and F7-5.0-060314 (580-43867-43) were analyzed for total mercury in accordance with EPA SW-846 Method 7471A. The samples were prepared on 06/17/2014, 06/18/2014 and 06/19/2014 and analyzed on 06/17/2014 and 06/19/2014.

Samples C9-5.0-060314 (580-43867-16)[10X] and D9-5.0-060314 (580-43867-17)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Mercury failed the recovery criteria high for the MS of sample G9-5.0-060314MS (580-43867-20) in batch 580-161699. The associated lab control sample met the acceptance criteria.

Mercury failed the recovery criteria high for the MSD of sample G9-5.0-060314MSD (580-43867-20) in batch 580-161699. The associated lab control sample met the acceptance criteria.

Mercury exceeded the RPD limit for the duplicate of sample G9-5.0-060314DU (580-43867-20)). The sample may not be homogeneous.

No other difficulties were encountered during the mercury analysis.

All other quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples E8-2.5-060314 (580-43867-1), E8-3.5-060314 (580-43867-2), F8-2.5-060314 (580-43867-3), F8-3.5-060314 (580-43867-4), TP-7-CEN-E-1.5-060314 (580-43867-5), TP-7-CEN-E-3.0-060314 (580-43867-6), TP-8-1.5-060314 (580-43867-7), G9-1.5-060314 (580-43867-11), G9-6.0-060314 (580-43867-12), TP-10-6.0-060314 (580-43867-14), B9-5.0-060314 (580-43867-15), C9-5.0-060314 (580-43867-16), D9-5.0-060314 (580-43867-17), E9-5.0-060314 (580-43867-18), H9-5.0-060314 (580-43867-19), G9-5.0-060314 (580-43867-20), F9-5.0-060314 (580-43867-21), I9-5.0-060314 (580-43867-22), J8-5.0-060314 (580-43867-23), J7-5.0-060314 (580-43867-24), J6-6.0-060314 (580-43867-25), J5-5.0-060314 (580-43867-26), J4-5.0-060314 (580-43867-27), J3-5.0-060314 (580-43867-28), J2-5.0-060314 (580-43867-29), I1-5.0-060314 (580-43867-30), G8-1.5-060314 (580-43867-32), H9-N-1.5-060314 (580-43867-34), H8-6.0-060314 (580-43867-36), I8-3.0-060314 (580-43867-37), I7-2.0-060314 (580-43867-38), I7-4.0-060314 (580-43867-39), D7-3.0-060314 (580-43867-40), E7-1.5-060314 (580-43867-41), E7-4.0-060314 (580-43867-42) and F7-5.0-060314 (580-43867-43) were analyzed for percent solids in accordance with ASTM D2216. The samples were analyzed on 06/11/2014 and 06/16/2014.

Percent Moisture and Percent Moisture exceeded the RPD limit for the duplicate of sample I9-5.0-060314DU (580-43867-22). The sample may not be homogeneous.

No other difficulties were encountered during the % solids analysis.

All other quality control parameters were within the acceptance limits.

Definitions/Glossary

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	ISTD response or retention time outside acceptable limits
I	Indicates the presence of an interference, recovery is not calculated.
X	Surrogate is outside control limits
*	RPD of the LCS and LCSD exceeds the control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits
X	Surrogate is outside control limits

GC VOA

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time

GC Semi VOA

Qualifier	Qualifier Description
Y	The chromatographic response resembles a typical fuel pattern.
X	Surrogate is outside control limits
F3	Duplicate RPD exceeds the control limit

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits
F3	Duplicate RPD exceeds the control limit
F2	MS/MSD RPD exceeds control limits

General Chemistry

Qualifier	Qualifier Description
F3	Duplicate RPD exceeds the control limit

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points

TestAmerica Seattle

Definitions/Glossary

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

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Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: E8-2.5-060314

Lab Sample ID: 580-43867-1

Date Collected: 06/03/14 08:35

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 87.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		1.6		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
Chloromethane	ND		1.6		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
Vinyl chloride	ND		1.6		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
Bromomethane	ND		1.6		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
Chloroethane	ND		1.6		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
Trichlorofluoromethane	ND		1.6		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
1,1-Dichloroethene	ND		8.1		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
Methylene Chloride	ND		24		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
trans-1,2-Dichloroethene	ND		1.6		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
1,1-Dichloroethane	ND		1.6		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
2,2-Dichloropropane	ND		8.1		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
cis-1,2-Dichloroethene	ND		1.6		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
Chlorobromomethane	ND		3.2		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
Chloroform	ND		1.6		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
1,1,1-Trichloroethane	ND		1.6		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
Carbon tetrachloride	ND		1.6		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
1,1-Dichloropropene	ND		1.6		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
Benzene	ND		1.6		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
1,2-Dichloroethane	ND		1.6		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
Trichloroethene	ND		1.6		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
1,2-Dichloropropane	ND		1.6		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
Dibromomethane	ND		1.6		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
Dichlorobromomethane	ND		1.6		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
cis-1,3-Dichloropropene	ND *		1.6		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
Toluene	ND *		3.2		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
trans-1,3-Dichloropropene	ND *		1.6		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
1,1,2-Trichloroethane	ND *		3.2		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
Tetrachloroethene	4.9 *		1.6		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
1,3-Dichloropropane	ND *		3.2		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
Chlorodibromomethane	ND *		3.2		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
Ethylene Dibromide	ND *		1.6		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
Chlorobenzene	ND *		1.6		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
Ethylbenzene	ND *		1.6		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
1,1,1,2-Tetrachloroethane	ND *		1.6		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
1,1,2,2-Tetrachloroethane	ND *		3.2		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
m-Xylene & p-Xylene	ND *		3.2		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
o-Xylene	ND *		3.2		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
Styrene	ND *		3.2		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
Bromoform	ND *		1.6		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
Isopropylbenzene	ND *		3.2		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
Bromobenzene	ND *		3.2		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
N-Propylbenzene	ND *		3.2		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
1,2,3-Trichloropropane	ND *		1.6		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
2-Chlorotoluene	ND *		3.2		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
1,3,5-Trimethylbenzene	ND *		8.1		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
4-Chlorotoluene	ND *		3.2		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
tert-Butylbenzene	ND *		3.2		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
1,2,4-Trimethylbenzene	ND *		3.2		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
sec-Butylbenzene	ND *		3.2		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: E8-2.5-060314

Lab Sample ID: 580-43867-1

Date Collected: 06/03/14 08:35

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 87.8

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND	*	3.2		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
4-Isopropyltoluene	ND	*	3.2		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
1,4-Dichlorobenzene	3.2	*	1.6		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
n-Butylbenzene	ND	*	3.2		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
1,2-Dichlorobenzene	ND	*	3.2		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
1,2-Dibromo-3-Chloropropane	ND	*	3.2		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
1,2,4-Trichlorobenzene	ND	*	3.2		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
1,2,3-Trichlorobenzene	ND	*	3.2		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
Hexachlorobutadiene	ND	*	3.2		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
Naphthalene	ND	*	8.1		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1
Methyl tert-butyl ether	ND		1.6		ug/Kg	☼	06/04/14 15:40	06/17/14 20:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	137	X I	80 - 120	06/04/14 15:40	06/17/14 20:21	1
4-Bromofluorobenzene (Surr)	152	X I	70 - 120	06/04/14 15:40	06/17/14 20:21	1
Dibromofluoromethane (Surr)	138	X I	75 - 132	06/04/14 15:40	06/17/14 20:21	1
Trifluorotoluene (Surr)	75		65 - 140	06/04/14 15:40	06/17/14 20:21	1
1,2-Dichloroethane-d4 (Surr)	158	X I	71 - 136	06/04/14 15:40	06/17/14 20:21	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	490		440		ug/Kg	☼	06/17/14 08:24	06/24/14 19:48	5
Chrysene	2800		550		ug/Kg	☼	06/17/14 08:24	06/24/14 19:48	5
Benzo[a]pyrene	1800		660		ug/Kg	☼	06/17/14 08:24	06/24/14 19:48	5
Indeno[1,2,3-cd]pyrene	ND		890		ug/Kg	☼	06/17/14 08:24	06/24/14 19:48	5
Dibenz(a,h)anthracene	ND		890		ug/Kg	☼	06/17/14 08:24	06/24/14 19:48	5
Benzo[b]fluoranthene	3100		440		ug/Kg	☼	06/17/14 08:24	06/24/14 19:48	5
Benzo[k]fluoranthene	ND		550		ug/Kg	☼	06/17/14 08:24	06/24/14 19:48	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	120		42 - 151	06/17/14 08:24	06/24/14 19:48	5

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		3.7		mg/Kg	☼	06/16/14 19:18	06/17/14 15:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		50 - 150	06/16/14 19:18	06/17/14 15:54	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	2900	Y	2800		mg/Kg	☼	06/17/14 16:43	06/18/14 22:04	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	60		50 - 150	06/17/14 16:43	06/18/14 22:04	10

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil (>C24-C36)	53000	Y	5500		mg/Kg	☼	06/17/14 16:43	06/19/14 13:40	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	65		50 - 150	06/17/14 16:43	06/19/14 13:40	10

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: E8-2.5-060314

Lab Sample ID: 580-43867-1

Date Collected: 06/03/14 08:35

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 87.8

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	13000	Y	110		mg/Kg	☼	06/09/14 09:56	06/11/14 01:57	1
Gasoline	110	Y	22		mg/Kg	☼	06/09/14 09:56	06/11/14 01:57	1
#2 Diesel (>C12-C24)	3100	Y	55		mg/Kg	☼	06/09/14 09:56	06/11/14 01:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	57		50 - 150				06/09/14 09:56	06/11/14 01:57	1
4-Bromofluorobenzene (Surr)	82		50 - 150				06/09/14 09:56	06/11/14 01:57	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	10		3.0		mg/Kg	☼	06/18/14 11:25	06/19/14 13:18	1
Cadmium	ND		1.0		mg/Kg	☼	06/18/14 11:25	06/19/14 13:18	1
Chromium	28		1.3		mg/Kg	☼	06/18/14 11:25	06/19/14 13:18	1
Lead	29		1.5		mg/Kg	☼	06/18/14 11:25	06/19/14 13:18	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.055		0.016		mg/Kg	☼	06/17/14 11:51	06/17/14 14:57	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	88		0.10		%			06/11/14 09:02	1
Percent Moisture	12		0.10		%			06/11/14 09:02	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: E8-3.5-060314

Lab Sample ID: 580-43867-2

Date Collected: 06/03/14 08:58

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 87.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		1.1		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
Chloromethane	ND		1.1		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
Vinyl chloride	ND		1.1		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
Bromomethane	ND		1.1		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
Chloroethane	ND		1.1		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
Trichlorofluoromethane	ND		1.1		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
1,1-Dichloroethene	ND		5.7		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
Methylene Chloride	ND		17		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
trans-1,2-Dichloroethene	ND		1.1		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
1,1-Dichloroethane	ND		1.1		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
2,2-Dichloropropane	ND		5.7		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
cis-1,2-Dichloroethene	ND		1.1		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
Chlorobromomethane	ND		2.3		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
Chloroform	ND		1.1		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
1,1,1-Trichloroethane	ND		1.1		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
Carbon tetrachloride	ND		1.1		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
1,1-Dichloropropene	ND		1.1		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
Benzene	ND		1.1		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
1,2-Dichloroethane	ND		1.1		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
Trichloroethene	ND		1.1		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
1,2-Dichloropropane	ND		1.1		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
Dibromomethane	ND		1.1		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
Dichlorobromomethane	ND		1.1		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
cis-1,3-Dichloropropene	ND	*	1.1		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
Toluene	ND		2.3		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
trans-1,3-Dichloropropene	ND		1.1		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
1,1,2-Trichloroethane	ND		2.3		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
Tetrachloroethene	ND		1.1		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
1,3-Dichloropropane	ND		2.3		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
Chlorodibromomethane	ND		2.3		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
Ethylene Dibromide	ND		1.1		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
Chlorobenzene	ND		1.1		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
Ethylbenzene	ND		1.1		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
1,1,1,2-Tetrachloroethane	ND		1.1		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
1,1,2,2-Tetrachloroethane	ND		2.3		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
m-Xylene & p-Xylene	ND		2.3		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
o-Xylene	ND		2.3		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
Styrene	ND		2.3		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
Bromoform	ND		1.1		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
Isopropylbenzene	ND		2.3		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
Bromobenzene	ND		2.3		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
N-Propylbenzene	ND		2.3		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
1,2,3-Trichloropropane	ND		1.1		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
2-Chlorotoluene	ND		2.3		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
1,3,5-Trimethylbenzene	ND		5.7		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
4-Chlorotoluene	ND		2.3		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
tert-Butylbenzene	ND		2.3		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
1,2,4-Trimethylbenzene	ND		2.3		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
sec-Butylbenzene	ND		2.3		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: E8-3.5-060314

Lab Sample ID: 580-43867-2

Date Collected: 06/03/14 08:58

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 87.8

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		2.3		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
4-Isopropyltoluene	ND		2.3		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
1,4-Dichlorobenzene	ND		1.1		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
n-Butylbenzene	ND		2.3		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
1,2-Dichlorobenzene	ND		2.3		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
1,2-Dibromo-3-Chloropropane	ND		2.3		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
1,2,4-Trichlorobenzene	ND		2.3		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
1,2,3-Trichlorobenzene	ND		2.3		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
Hexachlorobutadiene	ND		2.3		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
Naphthalene	ND		5.7		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1
Methyl tert-butyl ether	ND		1.1		ug/Kg	☼	06/04/14 15:40	06/17/14 20:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	107		80 - 120	06/04/14 15:40	06/17/14 20:48	1
4-Bromofluorobenzene (Surr)	109		70 - 120	06/04/14 15:40	06/17/14 20:48	1
Dibromofluoromethane (Surr)	124		75 - 132	06/04/14 15:40	06/17/14 20:48	1
Trifluorotoluene (Surr)	110		65 - 140	06/04/14 15:40	06/17/14 20:48	1
1,2-Dichloroethane-d4 (Surr)	129		71 - 136	06/04/14 15:40	06/17/14 20:48	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		22		ug/Kg	☼	06/17/14 08:24	06/24/14 20:12	1
Chrysene	ND		27		ug/Kg	☼	06/17/14 08:24	06/24/14 20:12	1
Benzo[a]pyrene	ND		33		ug/Kg	☼	06/17/14 08:24	06/24/14 20:12	1
Indeno[1,2,3-cd]pyrene	ND		44		ug/Kg	☼	06/17/14 08:24	06/24/14 20:12	1
Dibenz(a,h)anthracene	ND		44		ug/Kg	☼	06/17/14 08:24	06/24/14 20:12	1
Benzo[b]fluoranthene	ND		22		ug/Kg	☼	06/17/14 08:24	06/24/14 20:12	1
Benzo[k]fluoranthene	ND		27		ug/Kg	☼	06/17/14 08:24	06/24/14 20:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	115		42 - 151	06/17/14 08:24	06/24/14 20:12	1

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		2.8		mg/Kg	☼	06/16/14 19:18	06/17/14 16:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		50 - 150	06/16/14 19:18	06/17/14 16:28	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		28		mg/Kg	☼	06/17/14 16:43	06/18/14 22:40	1
Motor Oil (>C24-C36)	ND		56		mg/Kg	☼	06/17/14 16:43	06/18/14 22:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	87		50 - 150	06/17/14 16:43	06/18/14 22:40	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	88		0.10		%			06/16/14 16:55	1
Percent Moisture	12		0.10		%			06/16/14 16:55	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: F8-2.5-060314

Lab Sample ID: 580-43867-3

Date Collected: 06/03/14 09:16

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 91.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		25		ug/Kg	☼	06/17/14 03:44	06/17/14 06:32	1
Toluene	ND		61		ug/Kg	☼	06/17/14 03:44	06/17/14 06:32	1
Ethylbenzene	ND		61		ug/Kg	☼	06/17/14 03:44	06/17/14 06:32	1
m-Xylene & p-Xylene	ND		61		ug/Kg	☼	06/17/14 03:44	06/17/14 06:32	1
o-Xylene	ND		61		ug/Kg	☼	06/17/14 03:44	06/17/14 06:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120	06/17/14 03:44	06/17/14 06:32	1
4-Bromofluorobenzene (Surr)	101		70 - 120	06/17/14 03:44	06/17/14 06:32	1
Dibromofluoromethane (Surr)	92		75 - 132	06/17/14 03:44	06/17/14 06:32	1
1,2-Dichloroethane-d4 (Surr)	92		71 - 136	06/17/14 03:44	06/17/14 06:32	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		4500		ug/Kg	☼	06/17/14 08:24	06/26/14 16:35	5
Chrysene	ND		5700		ug/Kg	☼	06/17/14 08:24	06/26/14 16:35	5
Benzo[a]pyrene	ND		6800		ug/Kg	☼	06/17/14 08:24	06/26/14 16:35	5
Indeno[1,2,3-cd]pyrene	ND		9000		ug/Kg	☼	06/17/14 08:24	06/26/14 16:35	5
Dibenz(a,h)anthracene	ND		9000		ug/Kg	☼	06/17/14 08:24	06/26/14 16:35	5
Benzo[b]fluoranthene	ND		4500		ug/Kg	☼	06/17/14 08:24	06/26/14 16:35	5
Benzo[k]fluoranthene	ND		5700		ug/Kg	☼	06/17/14 08:24	06/26/14 16:35	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	117		42 - 151	06/17/14 08:24	06/26/14 16:35	5

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	11		6.1		mg/Kg	☼	06/16/14 19:18	06/17/14 17:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		50 - 150	06/16/14 19:18	06/17/14 17:02	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		2700		mg/Kg	☼	06/17/14 16:43	06/18/14 22:58	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	53		50 - 150	06/17/14 16:43	06/18/14 22:58	10

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil (>C24-C36)	41000	Y	5400		mg/Kg	☼	06/17/14 16:43	06/19/14 14:16	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	58		50 - 150	06/17/14 16:43	06/19/14 14:16	10

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	9300	Y	110		mg/Kg	☼	06/09/14 09:56	06/11/14 02:16	1
Gasoline	130	Y	21		mg/Kg	☼	06/09/14 09:56	06/11/14 02:16	1
#2 Diesel (>C12-C24)	3200	Y	53		mg/Kg	☼	06/09/14 09:56	06/11/14 02:16	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: F8-2.5-060314

Lab Sample ID: 580-43867-3

Date Collected: 06/03/14 09:16

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 91.0

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	58		50 - 150				06/09/14 09:56	06/11/14 02:16	1
4-Bromofluorobenzene (Surr)	91		50 - 150				06/09/14 09:56	06/11/14 02:16	1
Method: 6010B - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.5		3.2		mg/Kg	☼	06/18/14 11:25	06/19/14 13:21	1
Cadmium	ND		1.1		mg/Kg	☼	06/18/14 11:25	06/19/14 13:21	1
Chromium	16		1.4		mg/Kg	☼	06/18/14 11:25	06/19/14 13:21	1
Lead	32		1.6		mg/Kg	☼	06/18/14 11:25	06/19/14 13:21	1
Method: 7471A - Mercury (CVAA)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.076		0.017		mg/Kg	☼	06/17/14 11:51	06/17/14 14:59	1
General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	91		0.10		%	—		06/11/14 09:02	1
Percent Moisture	9.0		0.10		%			06/11/14 09:02	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: F8-3.5-060314

Lab Sample ID: 580-43867-4

Date Collected: 06/03/14 09:22

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 89.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		12		ug/Kg	☼	06/17/14 03:44	06/17/14 06:58	1
Toluene	ND		31		ug/Kg	☼	06/17/14 03:44	06/17/14 06:58	1
Ethylbenzene	ND		31		ug/Kg	☼	06/17/14 03:44	06/17/14 06:58	1
m-Xylene & p-Xylene	ND		31		ug/Kg	☼	06/17/14 03:44	06/17/14 06:58	1
o-Xylene	ND		31		ug/Kg	☼	06/17/14 03:44	06/17/14 06:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		80 - 120	06/17/14 03:44	06/17/14 06:58	1
4-Bromofluorobenzene (Surr)	100		70 - 120	06/17/14 03:44	06/17/14 06:58	1
Dibromofluoromethane (Surr)	92		75 - 132	06/17/14 03:44	06/17/14 06:58	1
1,2-Dichloroethane-d4 (Surr)	94		71 - 136	06/17/14 03:44	06/17/14 06:58	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		110		ug/Kg	☼	06/17/14 08:24	06/26/14 17:01	5
Chrysene	ND		140		ug/Kg	☼	06/17/14 08:24	06/26/14 17:01	5
Benzo[a]pyrene	ND		170		ug/Kg	☼	06/17/14 08:24	06/26/14 17:01	5
Indeno[1,2,3-cd]pyrene	ND		220		ug/Kg	☼	06/17/14 08:24	06/26/14 17:01	5
Dibenz(a,h)anthracene	ND		220		ug/Kg	☼	06/17/14 08:24	06/26/14 17:01	5
Benzo[b]fluoranthene	ND		110		ug/Kg	☼	06/17/14 08:24	06/26/14 17:01	5
Benzo[k]fluoranthene	ND		140		ug/Kg	☼	06/17/14 08:24	06/26/14 17:01	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	106		42 - 151	06/17/14 08:24	06/26/14 17:01	5

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		3.1		mg/Kg	☼	06/16/14 19:18	06/17/14 17:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		50 - 150	06/16/14 19:18	06/17/14 17:35	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		27		mg/Kg	☼	06/17/14 16:43	06/18/14 23:16	1
Motor Oil (>C24-C36)	180	Y	53		mg/Kg	☼	06/17/14 16:43	06/19/14 14:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	90		50 - 150	06/17/14 16:43	06/18/14 23:16	1
o-Terphenyl	100		50 - 150	06/17/14 16:43	06/19/14 14:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	89		0.10		%	—		06/16/14 16:55	1
Percent Moisture	11		0.10		%	—		06/16/14 16:55	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: TP-7-CEN-E-1.5-060314

Lab Sample ID: 580-43867-5

Date Collected: 06/03/14 09:30

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 66.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		1.7		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
Chloromethane	ND		1.7		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
Vinyl chloride	ND		1.7		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
Bromomethane	ND		1.7		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
Chloroethane	ND		1.7		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
Trichlorofluoromethane	ND		1.7		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
1,1-Dichloroethene	ND		8.3		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
Methylene Chloride	ND		25		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
trans-1,2-Dichloroethene	ND		1.7		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
1,1-Dichloroethane	ND		1.7		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
2,2-Dichloropropane	ND		8.3		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
cis-1,2-Dichloroethene	ND		1.7		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
Chlorobromomethane	ND		3.3		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
Chloroform	ND		1.7		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
1,1,1-Trichloroethane	ND		1.7		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
Carbon tetrachloride	ND		1.7		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
1,1-Dichloropropene	ND		1.7		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
Benzene	2.0		1.7		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
1,2-Dichloroethane	ND		1.7		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
Trichloroethene	ND		1.7		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
1,2-Dichloropropane	ND		1.7		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
Dibromomethane	ND		1.7		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
Dichlorobromomethane	ND		1.7		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
cis-1,3-Dichloropropene	ND		1.7		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
Toluene	78		3.3		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
trans-1,3-Dichloropropene	ND		1.7		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
1,1,2-Trichloroethane	ND		3.3		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
Tetrachloroethene	16		1.7		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
1,3-Dichloropropane	ND		3.3		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
Chlorodibromomethane	ND		3.3		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
Ethylene Dibromide	ND		1.7		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
Chlorobenzene	ND		1.7		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
Ethylbenzene	29		1.7		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
1,1,1,2-Tetrachloroethane	ND		1.7		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
1,1,2,2-Tetrachloroethane	ND *		3.3		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
m-Xylene & p-Xylene	100		3.3		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
o-Xylene	54		3.3		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
Styrene	ND		3.3		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
Bromoform	ND		1.7		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
Isopropylbenzene	4.3		3.3		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
Bromobenzene	ND *		3.3		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
N-Propylbenzene	8.3 *		3.3		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
1,2,3-Trichloropropane	ND *		1.7		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
2-Chlorotoluene	ND *		3.3		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
1,3,5-Trimethylbenzene	16 *		8.3		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
4-Chlorotoluene	ND *		3.3		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
tert-Butylbenzene	ND *		3.3		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
1,2,4-Trimethylbenzene	38 *		3.3		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
sec-Butylbenzene	ND *		3.3		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: TP-7-CEN-E-1.5-060314

Lab Sample ID: 580-43867-5

Date Collected: 06/03/14 09:30

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 66.2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND	*	3.3		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
4-Isopropyltoluene	43	*	3.3		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
1,4-Dichlorobenzene	ND	*	1.7		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
n-Butylbenzene	ND	*	3.3		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
1,2-Dichlorobenzene	ND	*	3.3		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
1,2-Dibromo-3-Chloropropane	ND	*	3.3		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
1,2,4-Trichlorobenzene	ND	*	3.3		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
1,2,3-Trichlorobenzene	ND	*	3.3		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
Hexachlorobutadiene	ND	*	3.3		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1
Methyl tert-butyl ether	ND		1.7		ug/Kg	☼	06/04/14 15:40	06/10/14 17:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	123	I X	80 - 120	06/04/14 15:40	06/10/14 17:49	1
4-Bromofluorobenzene (Surr)	76		70 - 120	06/04/14 15:40	06/10/14 17:49	1
Dibromofluoromethane (Surr)	106		75 - 132	06/04/14 15:40	06/10/14 17:49	1
Trifluorotoluene (Surr)	74		65 - 140	06/04/14 15:40	06/10/14 17:49	1
1,2-Dichloroethane-d4 (Surr)	110		71 - 136	06/04/14 15:40	06/10/14 17:49	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	28	*	7.7		ug/Kg	☼	06/04/14 15:40	06/12/14 00:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	124	* X	80 - 120	06/04/14 15:40	06/12/14 00:08	1
4-Bromofluorobenzene (Surr)	76	*	70 - 120	06/04/14 15:40	06/12/14 00:08	1
Dibromofluoromethane (Surr)	115		75 - 132	06/04/14 15:40	06/12/14 00:08	1
Trifluorotoluene (Surr)	77		65 - 140	06/04/14 15:40	06/12/14 00:08	1
1,2-Dichloroethane-d4 (Surr)	132		71 - 136	06/04/14 15:40	06/12/14 00:08	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	3100		740		ug/Kg	☼	06/09/14 11:22	06/11/14 19:31	25
Chrysene	5200		920		ug/Kg	☼	06/09/14 11:22	06/11/14 19:31	25
Benzo[a]pyrene	3600		1100		ug/Kg	☼	06/09/14 11:22	06/11/14 19:31	25
Indeno[1,2,3-cd]pyrene	1500		1500		ug/Kg	☼	06/09/14 11:22	06/11/14 19:31	25
Dibenz(a,h)anthracene	ND		1500		ug/Kg	☼	06/09/14 11:22	06/11/14 19:31	25
Benzo[b]fluoranthene	4600		740		ug/Kg	☼	06/09/14 11:22	06/11/14 19:31	25
Benzo[k]fluoranthene	1600		920		ug/Kg	☼	06/09/14 11:22	06/11/14 19:31	25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	97		42 - 151	06/09/14 11:22	06/11/14 19:31	25

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	15		7.1		mg/Kg	☼	06/16/14 19:18	06/17/14 18:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		50 - 150	06/16/14 19:18	06/17/14 18:09	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: TP-7-CEN-E-1.5-060314

Lab Sample ID: 580-43867-5

Date Collected: 06/03/14 09:30

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 66.2

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	1200	Y	37		mg/Kg	☼	06/11/14 15:48	06/13/14 22:27	1
Motor Oil (>C24-C36)	7600		74		mg/Kg	☼	06/11/14 15:48	06/13/14 22:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	80		50 - 150				06/11/14 15:48	06/13/14 22:27	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	66		0.10		%	—		06/11/14 09:02	1
Percent Moisture	34		0.10		%			06/11/14 09:02	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: TP-7-CEN-E-3.0-060314

Lab Sample ID: 580-43867-6

Date Collected: 06/03/14 09:35

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 94.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.93		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
Chloromethane	ND		0.93		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
Vinyl chloride	ND		0.93		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
Bromomethane	ND		0.93		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
Chloroethane	ND		0.93		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
Trichlorofluoromethane	ND		0.93		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
1,1-Dichloroethene	ND		4.6		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
Methylene Chloride	ND		14		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
trans-1,2-Dichloroethene	ND		0.93		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
1,1-Dichloroethane	ND		0.93		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
2,2-Dichloropropane	ND		4.6		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
cis-1,2-Dichloroethene	ND		0.93		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
Chlorobromomethane	ND		1.9		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
Chloroform	ND		0.93		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
1,1,1-Trichloroethane	ND		0.93		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
Carbon tetrachloride	ND		0.93		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
1,1-Dichloropropene	ND		0.93		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
Benzene	ND		0.93		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
1,2-Dichloroethane	ND		0.93		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
Trichloroethene	ND		0.93		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
1,2-Dichloropropane	ND		0.93		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
Dibromomethane	ND		0.93		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
Dichlorobromomethane	ND		0.93		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
cis-1,3-Dichloropropene	ND	*	0.93		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
Toluene	ND		1.9		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
trans-1,3-Dichloropropene	ND		0.93		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
1,1,2-Trichloroethane	ND		1.9		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
Tetrachloroethene	ND		0.93		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
1,3-Dichloropropane	ND		1.9		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
Chlorodibromomethane	ND		1.9		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
Ethylene Dibromide	ND		0.93		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
Chlorobenzene	ND		0.93		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
Ethylbenzene	ND		0.93		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
1,1,1,2-Tetrachloroethane	ND		0.93		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
1,1,2,2-Tetrachloroethane	ND		1.9		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
m-Xylene & p-Xylene	ND		1.9		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
o-Xylene	ND		1.9		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
Styrene	ND		1.9		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
Bromoform	ND		0.93		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
Isopropylbenzene	ND		1.9		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
Bromobenzene	ND		1.9		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
N-Propylbenzene	ND		1.9		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
1,2,3-Trichloropropane	ND		0.93		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
2-Chlorotoluene	ND		1.9		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
1,3,5-Trimethylbenzene	ND		4.6		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
4-Chlorotoluene	ND		1.9		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
tert-Butylbenzene	ND		1.9		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
1,2,4-Trimethylbenzene	ND		1.9		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
sec-Butylbenzene	ND		1.9		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: TP-7-CEN-E-3.0-060314

Lab Sample ID: 580-43867-6

Date Collected: 06/03/14 09:35

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 94.6

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		1.9		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
4-Isopropyltoluene	ND		1.9		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
1,4-Dichlorobenzene	ND		0.93		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
n-Butylbenzene	ND		1.9		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
1,2-Dichlorobenzene	ND		1.9		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
1,2-Dibromo-3-Chloropropane	ND		1.9		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
1,2,4-Trichlorobenzene	ND		1.9		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
1,2,3-Trichlorobenzene	ND		1.9		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
Hexachlorobutadiene	ND		1.9		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
Naphthalene	ND		4.6		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1
Methyl tert-butyl ether	ND		0.93		ug/Kg	☼	06/04/14 15:40	06/17/14 21:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		80 - 120	06/04/14 15:40	06/17/14 21:14	1
4-Bromofluorobenzene (Surr)	111		70 - 120	06/04/14 15:40	06/17/14 21:14	1
Dibromofluoromethane (Surr)	111		75 - 132	06/04/14 15:40	06/17/14 21:14	1
Trifluorotoluene (Surr)	102		65 - 140	06/04/14 15:40	06/17/14 21:14	1
1,2-Dichloroethane-d4 (Surr)	114		71 - 136	06/04/14 15:40	06/17/14 21:14	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		21		ug/Kg	☼	06/17/14 08:24	06/26/14 17:26	1
Chrysene	ND		26		ug/Kg	☼	06/17/14 08:24	06/26/14 17:26	1
Benzo[a]pyrene	ND		31		ug/Kg	☼	06/17/14 08:24	06/26/14 17:26	1
Indeno[1,2,3-cd]pyrene	ND		42		ug/Kg	☼	06/17/14 08:24	06/26/14 17:26	1
Dibenz(a,h)anthracene	ND		42		ug/Kg	☼	06/17/14 08:24	06/26/14 17:26	1
Benzo[b]fluoranthene	ND		21		ug/Kg	☼	06/17/14 08:24	06/26/14 17:26	1
Benzo[k]fluoranthene	ND		26		ug/Kg	☼	06/17/14 08:24	06/26/14 17:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	103		42 - 151	06/17/14 08:24	06/26/14 17:26	1

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		2.1		mg/Kg	☼	06/16/14 19:18	06/17/14 18:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		50 - 150	06/16/14 19:18	06/17/14 18:42	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		26		mg/Kg	☼	06/17/14 16:43	06/18/14 23:34	1
Motor Oil (>C24-C36)	ND		52		mg/Kg	☼	06/17/14 16:43	06/18/14 23:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	85		50 - 150	06/17/14 16:43	06/18/14 23:34	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	95		0.10		%	-		06/16/14 16:55	1
Percent Moisture	5.4		0.10		%	-		06/16/14 16:55	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: TP-8-1.5-060314

Lab Sample ID: 580-43867-7

Date Collected: 06/03/14 09:44

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 78.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		17		ug/Kg	☼	06/17/14 03:44	06/17/14 07:53	1
Toluene	77		42		ug/Kg	☼	06/17/14 03:44	06/17/14 07:53	1
Ethylbenzene	ND		42		ug/Kg	☼	06/17/14 03:44	06/17/14 07:53	1
m-Xylene & p-Xylene	130		42		ug/Kg	☼	06/17/14 03:44	06/17/14 07:53	1
o-Xylene	53		42		ug/Kg	☼	06/17/14 03:44	06/17/14 07:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120	06/17/14 03:44	06/17/14 07:53	1
4-Bromofluorobenzene (Surr)	102		70 - 120	06/17/14 03:44	06/17/14 07:53	1
Dibromofluoromethane (Surr)	91		75 - 132	06/17/14 03:44	06/17/14 07:53	1
1,2-Dichloroethane-d4 (Surr)	95		71 - 136	06/17/14 03:44	06/17/14 07:53	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		620		ug/Kg	☼	06/09/14 11:22	06/11/14 19:56	25
Chrysene	ND		770		ug/Kg	☼	06/09/14 11:22	06/11/14 19:56	25
Benzo[a]pyrene	ND		930		ug/Kg	☼	06/09/14 11:22	06/11/14 19:56	25
Indeno[1,2,3-cd]pyrene	ND		1200		ug/Kg	☼	06/09/14 11:22	06/11/14 19:56	25
Dibenz(a,h)anthracene	ND		1200		ug/Kg	☼	06/09/14 11:22	06/11/14 19:56	25
Benzo[b]fluoranthene	ND		620		ug/Kg	☼	06/09/14 11:22	06/11/14 19:56	25
Benzo[k]fluoranthene	ND		770		ug/Kg	☼	06/09/14 11:22	06/11/14 19:56	25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	97		42 - 151	06/09/14 11:22	06/11/14 19:56	25

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	7.0		4.2		mg/Kg	☼	06/16/14 19:18	06/17/14 19:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		50 - 150	06/16/14 19:18	06/17/14 19:16	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	370	Y	31		mg/Kg	☼	06/11/14 15:48	06/13/14 23:13	1
Motor Oil (>C24-C36)	2600	Y	62		mg/Kg	☼	06/11/14 15:48	06/13/14 23:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	76		50 - 150	06/11/14 15:48	06/13/14 23:13	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	79		0.10		%	—		06/11/14 09:02	1
Percent Moisture	21		0.10		%			06/11/14 09:02	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: G9-1.5-060314

Lab Sample ID: 580-43867-11

Date Collected: 06/03/14 10:13

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 72.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	26		20		ug/Kg	☼	06/17/14 03:44	06/17/14 08:20	1
Toluene	ND		50		ug/Kg	☼	06/17/14 03:44	06/17/14 08:20	1
Ethylbenzene	ND		50		ug/Kg	☼	06/17/14 03:44	06/17/14 08:20	1
m-Xylene & p-Xylene	ND		50		ug/Kg	☼	06/17/14 03:44	06/17/14 08:20	1
o-Xylene	ND		50		ug/Kg	☼	06/17/14 03:44	06/17/14 08:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120	06/17/14 03:44	06/17/14 08:20	1
4-Bromofluorobenzene (Surr)	102		70 - 120	06/17/14 03:44	06/17/14 08:20	1
Dibromofluoromethane (Surr)	93		75 - 132	06/17/14 03:44	06/17/14 08:20	1
1,2-Dichloroethane-d4 (Surr)	96		71 - 136	06/17/14 03:44	06/17/14 08:20	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	130		130		ug/Kg	☼	06/17/14 08:24	06/26/14 17:51	5
Chrysene	470		160		ug/Kg	☼	06/17/14 08:24	06/26/14 17:51	5
Benzo[a]pyrene	ND		200		ug/Kg	☼	06/17/14 08:24	06/26/14 17:51	5
Indeno[1,2,3-cd]pyrene	ND		260		ug/Kg	☼	06/17/14 08:24	06/26/14 17:51	5
Dibenz(a,h)anthracene	ND		260		ug/Kg	☼	06/17/14 08:24	06/26/14 17:51	5
Benzo[b]fluoranthene	460		130		ug/Kg	☼	06/17/14 08:24	06/26/14 17:51	5
Benzo[k]fluoranthene	370		160		ug/Kg	☼	06/17/14 08:24	06/26/14 17:51	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	100		42 - 151	06/17/14 08:24	06/26/14 17:51	5

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	6.6		5.0		mg/Kg	☼	06/16/14 19:18	06/17/14 20:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		50 - 150	06/16/14 19:18	06/17/14 20:23	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	430	Y	340		mg/Kg	☼	06/17/14 16:43	06/18/14 23:52	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	80		50 - 150	06/17/14 16:43	06/18/14 23:52	10

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil (>C24-C36)	5400	Y	670		mg/Kg	☼	06/17/14 16:43	06/19/14 14:52	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	85		50 - 150	06/17/14 16:43	06/19/14 14:52	10

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	5000	Y	1300		mg/Kg	☼	06/09/14 08:23	06/12/14 01:03	10
Gasoline	260	Y	260		mg/Kg	☼	06/09/14 08:23	06/12/14 01:03	10
#2 Diesel (>C12-C24)	960	Y	660		mg/Kg	☼	06/09/14 08:23	06/12/14 01:03	10

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: G9-1.5-060314

Lab Sample ID: 580-43867-11

Date Collected: 06/03/14 10:13

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 72.5

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	126		50 - 150				06/09/14 08:23	06/12/14 01:03	10
4-Bromofluorobenzene (Surr)	57		50 - 150				06/09/14 08:23	06/12/14 01:03	10
Method: 6010B - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	11		3.7		mg/Kg	☼	06/18/14 11:25	06/19/14 13:25	1
Cadmium	ND		1.2		mg/Kg	☼	06/18/14 11:25	06/19/14 13:25	1
Chromium	36		1.6		mg/Kg	☼	06/18/14 11:25	06/19/14 13:25	1
Lead	48		1.8		mg/Kg	☼	06/18/14 11:25	06/19/14 13:25	1
Method: 7471A - Mercury (CVAA)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.19		0.022		mg/Kg	☼	06/17/14 11:51	06/17/14 15:02	1
General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	72		0.10		%	—		06/11/14 09:02	1
Percent Moisture	28		0.10		%			06/11/14 09:02	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: G9-6.0-060314

Lab Sample ID: 580-43867-12

Date Collected: 06/03/14 10:27

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 93.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		9.9		ug/Kg	☼	06/17/14 03:44	06/17/14 08:47	1
Toluene	ND		25		ug/Kg	☼	06/17/14 03:44	06/17/14 08:47	1
Ethylbenzene	ND		25		ug/Kg	☼	06/17/14 03:44	06/17/14 08:47	1
m-Xylene & p-Xylene	ND		25		ug/Kg	☼	06/17/14 03:44	06/17/14 08:47	1
o-Xylene	ND		25		ug/Kg	☼	06/17/14 03:44	06/17/14 08:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		80 - 120	06/17/14 03:44	06/17/14 08:47	1
4-Bromofluorobenzene (Surr)	103		70 - 120	06/17/14 03:44	06/17/14 08:47	1
Dibromofluoromethane (Surr)	92		75 - 132	06/17/14 03:44	06/17/14 08:47	1
1,2-Dichloroethane-d4 (Surr)	95		71 - 136	06/17/14 03:44	06/17/14 08:47	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		21		ug/Kg	☼	06/17/14 08:24	06/26/14 18:16	1
Chrysene	ND		26		ug/Kg	☼	06/17/14 08:24	06/26/14 18:16	1
Benzo[a]pyrene	ND		31		ug/Kg	☼	06/17/14 08:24	06/26/14 18:16	1
Indeno[1,2,3-cd]pyrene	ND		42		ug/Kg	☼	06/17/14 08:24	06/26/14 18:16	1
Dibenz(a,h)anthracene	ND		42		ug/Kg	☼	06/17/14 08:24	06/26/14 18:16	1
Benzo[b]fluoranthene	ND		21		ug/Kg	☼	06/17/14 08:24	06/26/14 18:16	1
Benzo[k]fluoranthene	ND		26		ug/Kg	☼	06/17/14 08:24	06/26/14 18:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	103		42 - 151	06/17/14 08:24	06/26/14 18:16	1

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		2.5		mg/Kg	☼	06/16/14 19:18	06/17/14 20:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		50 - 150	06/16/14 19:18	06/17/14 20:57	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		26		mg/Kg	☼	06/17/14 16:43	06/19/14 00:28	1
Motor Oil (>C24-C36)	ND		53		mg/Kg	☼	06/17/14 16:43	06/19/14 00:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	82		50 - 150	06/17/14 16:43	06/19/14 00:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	94		0.10		%			06/16/14 16:55	1
Percent Moisture	6.1		0.10		%			06/16/14 16:55	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: TP-10-6.0-060314

Lab Sample ID: 580-43867-14

Date Collected: 06/03/14 10:41

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 95.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		8.2		ug/Kg	☼	06/17/14 03:44	06/17/14 09:14	1
Toluene	ND		20		ug/Kg	☼	06/17/14 03:44	06/17/14 09:14	1
Ethylbenzene	ND		20		ug/Kg	☼	06/17/14 03:44	06/17/14 09:14	1
m-Xylene & p-Xylene	ND		20		ug/Kg	☼	06/17/14 03:44	06/17/14 09:14	1
o-Xylene	ND		20		ug/Kg	☼	06/17/14 03:44	06/17/14 09:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120	06/17/14 03:44	06/17/14 09:14	1
4-Bromofluorobenzene (Surr)	101		70 - 120	06/17/14 03:44	06/17/14 09:14	1
Dibromofluoromethane (Surr)	91		75 - 132	06/17/14 03:44	06/17/14 09:14	1
1,2-Dichloroethane-d4 (Surr)	95		71 - 136	06/17/14 03:44	06/17/14 09:14	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		20		ug/Kg	☼	06/17/14 08:24	06/26/14 18:41	1
Chrysene	ND		25		ug/Kg	☼	06/17/14 08:24	06/26/14 18:41	1
Benzo[a]pyrene	ND		30		ug/Kg	☼	06/17/14 08:24	06/26/14 18:41	1
Indeno[1,2,3-cd]pyrene	ND		41		ug/Kg	☼	06/17/14 08:24	06/26/14 18:41	1
Dibenz(a,h)anthracene	ND		41		ug/Kg	☼	06/17/14 08:24	06/26/14 18:41	1
Benzo[b]fluoranthene	ND		20		ug/Kg	☼	06/17/14 08:24	06/26/14 18:41	1
Benzo[k]fluoranthene	ND		25		ug/Kg	☼	06/17/14 08:24	06/26/14 18:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	113		42 - 151	06/17/14 08:24	06/26/14 18:41	1

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		2.0		mg/Kg	☼	06/16/14 19:18	06/17/14 21:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		50 - 150	06/16/14 19:18	06/17/14 21:31	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		25		mg/Kg	☼	06/17/14 16:43	06/19/14 00:46	1
Motor Oil (>C24-C36)	ND		51		mg/Kg	☼	06/17/14 16:43	06/19/14 00:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	81		50 - 150	06/17/14 16:43	06/19/14 00:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	95		0.10		%			06/16/14 16:55	1
Percent Moisture	4.6		0.10		%			06/16/14 16:55	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: B9-5.0-060314

Lab Sample ID: 580-43867-15

Date Collected: 06/03/14 11:00

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 69.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		21		ug/Kg	☼	06/17/14 03:44	06/17/14 09:40	1
Toluene	ND		53		ug/Kg	☼	06/17/14 03:44	06/17/14 09:40	1
Ethylbenzene	ND		53		ug/Kg	☼	06/17/14 03:44	06/17/14 09:40	1
m-Xylene & p-Xylene	ND		53		ug/Kg	☼	06/17/14 03:44	06/17/14 09:40	1
o-Xylene	ND		53		ug/Kg	☼	06/17/14 03:44	06/17/14 09:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120	06/17/14 03:44	06/17/14 09:40	1
4-Bromofluorobenzene (Surr)	101		70 - 120	06/17/14 03:44	06/17/14 09:40	1
Dibromofluoromethane (Surr)	93		75 - 132	06/17/14 03:44	06/17/14 09:40	1
1,2-Dichloroethane-d4 (Surr)	97		71 - 136	06/17/14 03:44	06/17/14 09:40	1

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	12		5.3		mg/Kg	☼	06/16/14 19:18	06/17/14 22:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		50 - 150	06/16/14 19:18	06/17/14 22:04	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		350		mg/Kg	☼	06/17/14 16:43	06/19/14 01:04	10
Motor Oil (>C24-C36)	2500	Y	700		mg/Kg	☼	06/17/14 16:43	06/19/14 01:04	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	81		50 - 150	06/17/14 16:43	06/19/14 01:04	10

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	1100	Y	140		mg/Kg	☼	06/09/14 08:23	06/13/14 15:11	1
Gasoline	39	Y	28		mg/Kg	☼	06/09/14 08:23	06/13/14 15:11	1
#2 Diesel (>C12-C24)	260	Y	70		mg/Kg	☼	06/09/14 08:23	06/13/14 15:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	76		50 - 150	06/09/14 08:23	06/13/14 15:11	1
4-Bromofluorobenzene (Surr)	62		50 - 150	06/09/14 08:23	06/13/14 15:11	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.5		3.5		mg/Kg	☼	06/18/14 11:25	06/19/14 13:28	1
Cadmium	ND		1.2		mg/Kg	☼	06/18/14 11:25	06/19/14 13:28	1
Chromium	53		1.5		mg/Kg	☼	06/18/14 11:25	06/19/14 13:28	1
Lead	81		1.7		mg/Kg	☼	06/18/14 11:25	06/19/14 13:28	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.45		0.019		mg/Kg	☼	06/17/14 11:51	06/17/14 15:04	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	70		0.10		%	-		06/11/14 09:02	1
Percent Moisture	30		0.10		%	-		06/11/14 09:02	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: C9-5.0-060314

Lab Sample ID: 580-43867-16

Date Collected: 06/03/14 11:10

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 61.3

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	450	Y	400		mg/Kg	☼	06/17/14 16:43	06/19/14 01:22	10
Motor Oil (>C24-C36)	9600	Y	800		mg/Kg	☼	06/17/14 16:43	06/19/14 01:22	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	77		50 - 150				06/17/14 16:43	06/19/14 01:22	10

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	1900	Y	1600		mg/Kg	☼	06/09/14 08:23	06/12/14 01:41	10
Gasoline	ND		320		mg/Kg	☼	06/09/14 08:23	06/12/14 01:41	10
#2 Diesel (>C12-C24)	ND		800		mg/Kg	☼	06/09/14 08:23	06/12/14 01:41	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	83		50 - 150				06/09/14 08:23	06/12/14 01:41	10
4-Bromofluorobenzene (Surr)	59		50 - 150				06/09/14 08:23	06/12/14 01:41	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	29		4.7		mg/Kg	☼	06/18/14 11:25	06/19/14 13:31	1
Cadmium	ND		1.6		mg/Kg	☼	06/18/14 11:25	06/19/14 13:31	1
Chromium	24		2.0		mg/Kg	☼	06/18/14 11:25	06/19/14 13:31	1
Lead	120		2.3		mg/Kg	☼	06/18/14 11:25	06/19/14 13:31	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	1.5		0.25		mg/Kg	☼	06/17/14 11:51	06/17/14 16:31	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	61		0.10		%			06/11/14 09:02	1
Percent Moisture	39		0.10		%			06/11/14 09:02	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: D9-5.0-060314

Lab Sample ID: 580-43867-17

Date Collected: 06/03/14 11:17

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 65.5

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	660	Y	360		mg/Kg	☼	06/17/14 16:43	06/19/14 01:40	10
Motor Oil (>C24-C36)	3300	Y	730		mg/Kg	☼	06/17/14 16:43	06/19/14 01:40	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	79		50 - 150				06/17/14 16:43	06/19/14 01:40	10

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	1300	Y	150		mg/Kg	☼	06/09/14 08:23	06/13/14 15:29	1
Gasoline	ND		30		mg/Kg	☼	06/09/14 08:23	06/13/14 15:29	1
#2 Diesel (>C12-C24)	250	Y	74		mg/Kg	☼	06/09/14 08:23	06/13/14 15:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	78		50 - 150				06/09/14 08:23	06/13/14 15:29	1
4-Bromofluorobenzene (Surr)	60		50 - 150				06/09/14 08:23	06/13/14 15:29	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	14		3.9		mg/Kg	☼	06/18/14 11:25	06/19/14 13:35	1
Cadmium	ND		1.3		mg/Kg	☼	06/18/14 11:25	06/19/14 13:35	1
Chromium	34		1.7		mg/Kg	☼	06/18/14 11:25	06/19/14 13:35	1
Lead	110		1.9		mg/Kg	☼	06/18/14 11:25	06/19/14 13:35	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	1.0		0.20		mg/Kg	☼	06/17/14 11:51	06/17/14 16:33	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	65		0.10		%			06/11/14 09:02	1
Percent Moisture	35		0.10		%			06/11/14 09:02	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: E9-5.0-060314

Lab Sample ID: 580-43867-18

Date Collected: 06/03/14 11:37

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 86.6

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	ND		110		mg/Kg	☼	06/09/14 08:23	06/12/14 02:19	1
Gasoline	ND		22		mg/Kg	☼	06/09/14 08:23	06/12/14 02:19	1
#2 Diesel (>C12-C24)	ND		55		mg/Kg	☼	06/09/14 08:23	06/12/14 02:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	89		50 - 150				06/09/14 08:23	06/12/14 02:19	1
4-Bromofluorobenzene (Surr)	58		50 - 150				06/09/14 08:23	06/12/14 02:19	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.9		2.7		mg/Kg	☼	06/18/14 11:58	06/19/14 13:57	1
Cadmium	ND		0.91		mg/Kg	☼	06/18/14 11:58	06/19/14 13:57	1
Chromium	24		1.2		mg/Kg	☼	06/18/14 11:58	06/19/14 13:57	1
Lead	6.4		1.4		mg/Kg	☼	06/18/14 11:58	06/19/14 13:57	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.048		0.014		mg/Kg	☼	06/17/14 11:51	06/17/14 15:16	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	87		0.10		%	—		06/11/14 09:02	1
Percent Moisture	13		0.10		%			06/11/14 09:02	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: H9-5.0-060314

Lab Sample ID: 580-43867-19

Date Collected: 06/03/14 12:07

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 78.1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		310		mg/Kg	☼	06/17/14 16:43	06/19/14 01:58	10
Motor Oil (>C24-C36)	3900	Y	620		mg/Kg	☼	06/17/14 16:43	06/19/14 01:58	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o-Terphenyl</i>	73		50 - 150				06/17/14 16:43	06/19/14 01:58	10

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	1600	Y	1300		mg/Kg	☼	06/09/14 08:23	06/12/14 02:38	10
Gasoline	ND		250		mg/Kg	☼	06/09/14 08:23	06/12/14 02:38	10
#2 Diesel (>C12-C24)	ND		630		mg/Kg	☼	06/09/14 08:23	06/12/14 02:38	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o-Terphenyl</i>	85		50 - 150				06/09/14 08:23	06/12/14 02:38	10
<i>4-Bromofluorobenzene (Surr)</i>	58		50 - 150				06/09/14 08:23	06/12/14 02:38	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	9.9		3.5		mg/Kg	☼	06/18/14 11:58	06/19/14 14:17	1
Cadmium	ND		1.2		mg/Kg	☼	06/18/14 11:58	06/19/14 14:17	1
Chromium	27		1.5		mg/Kg	☼	06/18/14 11:58	06/19/14 14:17	1
Lead	51		1.8		mg/Kg	☼	06/18/14 11:58	06/19/14 14:17	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.17		0.019		mg/Kg	☼	06/17/14 11:51	06/17/14 15:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	78		0.10		%			06/11/14 09:02	1
Percent Moisture	22		0.10		%			06/11/14 09:02	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: G9-5.0-060314

Lab Sample ID: 580-43867-20

Date Collected: 06/03/14 12:26

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 82.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		14		ug/Kg	☼	06/17/14 03:44	06/17/14 10:07	1
Toluene	ND		34		ug/Kg	☼	06/17/14 03:44	06/17/14 10:07	1
Ethylbenzene	ND		34		ug/Kg	☼	06/17/14 03:44	06/17/14 10:07	1
m-Xylene & p-Xylene	ND		34		ug/Kg	☼	06/17/14 03:44	06/17/14 10:07	1
o-Xylene	ND		34		ug/Kg	☼	06/17/14 03:44	06/17/14 10:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120	06/17/14 03:44	06/17/14 10:07	1
4-Bromofluorobenzene (Surr)	101		70 - 120	06/17/14 03:44	06/17/14 10:07	1
Dibromofluoromethane (Surr)	95		75 - 132	06/17/14 03:44	06/17/14 10:07	1
1,2-Dichloroethane-d4 (Surr)	97		71 - 136	06/17/14 03:44	06/17/14 10:07	1

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	40		3.4		mg/Kg	☼	06/16/14 19:18	06/17/14 22:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		50 - 150	06/16/14 19:18	06/17/14 22:38	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	160	Y	30		mg/Kg	☼	06/17/14 16:43	06/19/14 02:16	1
Motor Oil (>C24-C36)	320	Y	60		mg/Kg	☼	06/17/14 16:43	06/19/14 02:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	93		50 - 150	06/17/14 16:43	06/19/14 02:16	1

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	130	Y	120		mg/Kg	☼	06/09/14 08:23	06/12/14 02:57	1
Gasoline	36	Y	23		mg/Kg	☼	06/09/14 08:23	06/12/14 02:57	1
#2 Diesel (>C12-C24)	ND		58		mg/Kg	☼	06/09/14 08:23	06/12/14 02:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	87		50 - 150	06/09/14 08:23	06/12/14 02:57	1
4-Bromofluorobenzene (Surr)	54		50 - 150	06/09/14 08:23	06/12/14 02:57	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		3.5		mg/Kg	☼	06/18/14 11:58	06/19/14 14:20	1
Cadmium	ND		1.2		mg/Kg	☼	06/18/14 11:58	06/19/14 14:20	1
Chromium	58		1.5		mg/Kg	☼	06/18/14 11:58	06/19/14 14:20	1
Lead	9.4		1.7		mg/Kg	☼	06/18/14 11:58	06/19/14 14:20	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.029		0.016		mg/Kg	☼	06/18/14 18:00	06/19/14 09:29	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	83		0.10		%	-		06/11/14 09:02	1
Percent Moisture	17		0.10		%	-		06/11/14 09:02	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: F9-5.0-060314

Lab Sample ID: 580-43867-21

Date Collected: 06/03/14 12:27

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 62.7

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	1400	Y	190		mg/Kg	☼	06/17/14 16:43	06/19/14 02:34	5
Motor Oil (>C24-C36)	5500	Y	390		mg/Kg	☼	06/17/14 16:43	06/19/14 02:34	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	82		50 - 150				06/17/14 16:43	06/19/14 02:34	5

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	1900	Y	1600		mg/Kg	☼	06/09/14 08:23	06/12/14 03:15	10
Gasoline	ND		310		mg/Kg	☼	06/09/14 08:23	06/12/14 03:15	10
#2 Diesel (>C12-C24)	ND		780		mg/Kg	☼	06/09/14 08:23	06/12/14 03:15	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	85		50 - 150				06/09/14 08:23	06/12/14 03:15	10
4-Bromofluorobenzene (Surr)	62		50 - 150				06/09/14 08:23	06/12/14 03:15	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	21		4.2		mg/Kg	☼	06/18/14 11:58	06/19/14 14:23	1
Cadmium	9.1		1.4		mg/Kg	☼	06/18/14 11:58	06/19/14 14:23	1
Chromium	36		1.8		mg/Kg	☼	06/18/14 11:58	06/19/14 14:23	1
Lead	220		2.1		mg/Kg	☼	06/18/14 11:58	06/19/14 14:23	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.97		0.023		mg/Kg	☼	06/18/14 18:00	06/19/14 09:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	63		0.10		%			06/11/14 09:02	1
Percent Moisture	37		0.10		%			06/11/14 09:02	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: I9-5.0-060314

Lab Sample ID: 580-43867-22

Date Collected: 06/03/14 12:48

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 71.8

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	190	Y	170		mg/Kg	☼	06/17/14 16:43	06/19/14 02:52	5
Motor Oil (>C24-C36)	1600	Y	340		mg/Kg	☼	06/17/14 16:43	06/19/14 02:52	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	78		50 - 150				06/17/14 16:43	06/19/14 02:52	5

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	1700	Y	140		mg/Kg	☼	06/09/14 09:56	06/10/14 20:13	1
Gasoline	ND		27		mg/Kg	☼	06/09/14 09:56	06/10/14 20:13	1
#2 Diesel (>C12-C24)	240	Y	68		mg/Kg	☼	06/09/14 09:56	06/10/14 20:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	67		50 - 150				06/09/14 09:56	06/10/14 20:13	1
4-Bromofluorobenzene (Surr)	64		50 - 150				06/09/14 09:56	06/10/14 20:13	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	9.3		3.5		mg/Kg	☼	06/18/14 11:58	06/19/14 14:27	1
Cadmium	ND		1.2		mg/Kg	☼	06/18/14 11:58	06/19/14 14:27	1
Chromium	21		1.5		mg/Kg	☼	06/18/14 11:58	06/19/14 14:27	1
Lead	67		1.7		mg/Kg	☼	06/18/14 11:58	06/19/14 14:27	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.65		0.020		mg/Kg	☼	06/18/14 18:00	06/19/14 09:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	72		0.10		%			06/11/14 09:02	1
Percent Moisture	28		0.10		%			06/11/14 09:02	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: J8-5.0-060314

Lab Sample ID: 580-43867-23

Date Collected: 06/03/14 12:55

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 81.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		15		ug/Kg	☼	06/17/14 03:44	06/17/14 10:34	1
Toluene	ND		38		ug/Kg	☼	06/17/14 03:44	06/17/14 10:34	1
Ethylbenzene	ND		38		ug/Kg	☼	06/17/14 03:44	06/17/14 10:34	1
m-Xylene & p-Xylene	ND		38		ug/Kg	☼	06/17/14 03:44	06/17/14 10:34	1
o-Xylene	ND		38		ug/Kg	☼	06/17/14 03:44	06/17/14 10:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120	06/17/14 03:44	06/17/14 10:34	1
4-Bromofluorobenzene (Surr)	101		70 - 120	06/17/14 03:44	06/17/14 10:34	1
Dibromofluoromethane (Surr)	93		75 - 132	06/17/14 03:44	06/17/14 10:34	1
1,2-Dichloroethane-d4 (Surr)	95		71 - 136	06/17/14 03:44	06/17/14 10:34	1

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	19		3.8		mg/Kg	☼	06/16/14 19:18	06/17/14 23:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		50 - 150	06/16/14 19:18	06/17/14 23:12	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	120	Y	30		mg/Kg	☼	06/17/14 16:43	06/19/14 03:10	1
Motor Oil (>C24-C36)	840	Y	60		mg/Kg	☼	06/17/14 16:43	06/19/14 03:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	87		50 - 150	06/17/14 16:43	06/19/14 03:10	1

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	470	Y	120		mg/Kg	☼	06/09/14 09:56	06/10/14 20:51	1
Gasoline	30	Y	24		mg/Kg	☼	06/09/14 09:56	06/10/14 20:51	1
#2 Diesel (>C12-C24)	110	Y	60		mg/Kg	☼	06/09/14 09:56	06/10/14 20:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	89		50 - 150	06/09/14 09:56	06/10/14 20:51	1
4-Bromofluorobenzene (Surr)	77		50 - 150	06/09/14 09:56	06/10/14 20:51	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.8		3.1		mg/Kg	☼	06/18/14 11:58	06/19/14 14:30	1
Cadmium	ND		1.0		mg/Kg	☼	06/18/14 11:58	06/19/14 14:30	1
Chromium	56		1.4		mg/Kg	☼	06/18/14 11:58	06/19/14 14:30	1
Lead	27		1.6		mg/Kg	☼	06/18/14 11:58	06/19/14 14:30	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.15		0.015		mg/Kg	☼	06/18/14 18:00	06/19/14 09:43	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	81		0.10		%	-		06/11/14 09:02	1
Percent Moisture	19		0.10		%	-		06/11/14 09:02	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: J7-5.0-060314

Lab Sample ID: 580-43867-24

Date Collected: 06/03/14 13:04

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 67.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		24		ug/Kg	☼	06/17/14 03:44	06/17/14 11:01	1
Toluene	ND		60		ug/Kg	☼	06/17/14 03:44	06/17/14 11:01	1
Ethylbenzene	ND		60		ug/Kg	☼	06/17/14 03:44	06/17/14 11:01	1
m-Xylene & p-Xylene	ND		60		ug/Kg	☼	06/17/14 03:44	06/17/14 11:01	1
o-Xylene	ND		60		ug/Kg	☼	06/17/14 03:44	06/17/14 11:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120	06/17/14 03:44	06/17/14 11:01	1
4-Bromofluorobenzene (Surr)	100		70 - 120	06/17/14 03:44	06/17/14 11:01	1
Dibromofluoromethane (Surr)	89		75 - 132	06/17/14 03:44	06/17/14 11:01	1
1,2-Dichloroethane-d4 (Surr)	92		71 - 136	06/17/14 03:44	06/17/14 11:01	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		29		ug/Kg	☼	06/17/14 08:24	06/26/14 19:06	1
Chrysene	ND		37		ug/Kg	☼	06/17/14 08:24	06/26/14 19:06	1
Benzo[a]pyrene	ND		44		ug/Kg	☼	06/17/14 08:24	06/26/14 19:06	1
Indeno[1,2,3-cd]pyrene	ND		59		ug/Kg	☼	06/17/14 08:24	06/26/14 19:06	1
Dibenz(a,h)anthracene	ND		59		ug/Kg	☼	06/17/14 08:24	06/26/14 19:06	1
Benzo[b]fluoranthene	ND		29		ug/Kg	☼	06/17/14 08:24	06/26/14 19:06	1
Benzo[k]fluoranthene	ND		37		ug/Kg	☼	06/17/14 08:24	06/26/14 19:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	24	X	42 - 151	06/17/14 08:24	06/26/14 19:06	1

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	9.2		6.0		mg/Kg	☼	06/16/14 19:18	06/17/14 23:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		50 - 150	06/16/14 19:18	06/17/14 23:45	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	280	Y	37		mg/Kg	☼	06/17/14 16:43	06/19/14 03:46	1
Motor Oil (>C24-C36)	2100	Y	73		mg/Kg	☼	06/17/14 16:43	06/19/14 03:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	81		50 - 150	06/17/14 16:43	06/19/14 03:46	1

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	2700	Y	140		mg/Kg	☼	06/09/14 09:56	06/10/14 21:10	1
Gasoline	39	Y	29		mg/Kg	☼	06/09/14 09:56	06/10/14 21:10	1
#2 Diesel (>C12-C24)	400	Y	72		mg/Kg	☼	06/09/14 09:56	06/10/14 21:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	80		50 - 150	06/09/14 09:56	06/10/14 21:10	1
4-Bromofluorobenzene (Surr)	71		50 - 150	06/09/14 09:56	06/10/14 21:10	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: J7-5.0-060314

Lab Sample ID: 580-43867-24

Date Collected: 06/03/14 13:04

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 67.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	12		3.8		mg/Kg	☼	06/18/14 11:58	06/19/14 14:32	1
Cadmium	ND		1.3		mg/Kg	☼	06/18/14 11:58	06/19/14 14:32	1
Chromium	36		1.6		mg/Kg	☼	06/18/14 11:58	06/19/14 14:32	1
Lead	190		1.9		mg/Kg	☼	06/18/14 11:58	06/19/14 14:32	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.45		0.021		mg/Kg	☼	06/18/14 18:00	06/19/14 09:50	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	68		0.10		%	—		06/11/14 09:02	1
Percent Moisture	32		0.10		%	—		06/11/14 09:02	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: J6-6.0-060314

Lab Sample ID: 580-43867-25

Date Collected: 06/03/14 13:14

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 68.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		61		ug/Kg	☼	06/17/14 03:44	06/17/14 11:29	1
Toluene	ND		150		ug/Kg	☼	06/17/14 03:44	06/17/14 11:29	1
Ethylbenzene	ND		150		ug/Kg	☼	06/17/14 03:44	06/17/14 11:29	1
m-Xylene & p-Xylene	ND		150		ug/Kg	☼	06/17/14 03:44	06/17/14 11:29	1
o-Xylene	ND		150		ug/Kg	☼	06/17/14 03:44	06/17/14 11:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		80 - 120	06/17/14 03:44	06/17/14 11:29	1
4-Bromofluorobenzene (Surr)	102		70 - 120	06/17/14 03:44	06/17/14 11:29	1
Dibromofluoromethane (Surr)	90		75 - 132	06/17/14 03:44	06/17/14 11:29	1
1,2-Dichloroethane-d4 (Surr)	93		71 - 136	06/17/14 03:44	06/17/14 11:29	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	810		290		ug/Kg	☼	06/17/14 08:24	06/28/14 20:34	10
Chrysene	1700		360		ug/Kg	☼	06/17/14 08:24	06/28/14 20:34	10
Benzo[a]pyrene	1700		430		ug/Kg	☼	06/17/14 08:24	06/28/14 20:34	10
Indeno[1,2,3-cd]pyrene	ND		580		ug/Kg	☼	06/17/14 08:24	06/28/14 20:34	10
Dibenz(a,h)anthracene	ND		580		ug/Kg	☼	06/17/14 08:24	06/28/14 20:34	10
Benzo[b]fluoranthene	810		290		ug/Kg	☼	06/17/14 08:24	06/28/14 20:34	10
Benzo[k]fluoranthene	ND		360		ug/Kg	☼	06/17/14 08:24	06/28/14 20:34	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	114		42 - 151	06/17/14 08:24	06/28/14 20:34	10

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	30	H	15		mg/Kg	☼	06/16/14 19:18	06/18/14 00:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		50 - 150	06/16/14 19:18	06/18/14 00:19	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	1800	Y	350		mg/Kg	☼	06/17/14 16:43	06/19/14 04:04	10
Motor Oil (>C24-C36)	18000	Y	700		mg/Kg	☼	06/17/14 16:43	06/19/14 04:04	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	91		50 - 150	06/17/14 16:43	06/19/14 04:04	10

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	9900	Y	140		mg/Kg	☼	06/09/14 09:56	06/10/14 21:30	1
Gasoline	64	Y	28		mg/Kg	☼	06/09/14 09:56	06/10/14 21:30	1
#2 Diesel (>C12-C24)	1600	Y	71		mg/Kg	☼	06/09/14 09:56	06/10/14 21:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	73		50 - 150	06/09/14 09:56	06/10/14 21:30	1
4-Bromofluorobenzene (Surr)	78		50 - 150	06/09/14 09:56	06/10/14 21:30	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: J6-6.0-060314

Lab Sample ID: 580-43867-25

Date Collected: 06/03/14 13:14

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 68.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.6		4.1		mg/Kg	☼	06/18/14 11:58	06/19/14 14:36	1
Cadmium	ND		1.4		mg/Kg	☼	06/18/14 11:58	06/19/14 14:36	1
Chromium	21		1.8		mg/Kg	☼	06/18/14 11:58	06/19/14 14:36	1
Lead	82		2.0		mg/Kg	☼	06/18/14 11:58	06/19/14 14:36	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.11		0.019		mg/Kg	☼	06/18/14 18:00	06/19/14 09:53	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	68		0.10		%	—		06/11/14 09:02	1
Percent Moisture	32		0.10		%	—		06/11/14 09:02	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: J5-5.0-060314

Lab Sample ID: 580-43867-26

Date Collected: 06/03/14 13:27

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 66.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		21		ug/Kg	☼	06/17/14 03:44	06/17/14 11:56	1
Toluene	ND		53		ug/Kg	☼	06/17/14 03:44	06/17/14 11:56	1
Ethylbenzene	ND		53		ug/Kg	☼	06/17/14 03:44	06/17/14 11:56	1
m-Xylene & p-Xylene	ND		53		ug/Kg	☼	06/17/14 03:44	06/17/14 11:56	1
o-Xylene	ND		53		ug/Kg	☼	06/17/14 03:44	06/17/14 11:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		80 - 120	06/17/14 03:44	06/17/14 11:56	1
4-Bromofluorobenzene (Surr)	103		70 - 120	06/17/14 03:44	06/17/14 11:56	1
Dibromofluoromethane (Surr)	93		75 - 132	06/17/14 03:44	06/17/14 11:56	1
1,2-Dichloroethane-d4 (Surr)	100		71 - 136	06/17/14 03:44	06/17/14 11:56	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		150		ug/Kg	☼	06/17/14 08:24	06/26/14 19:56	5
Chrysene	ND		180		ug/Kg	☼	06/17/14 08:24	06/26/14 19:56	5
Benzo[a]pyrene	ND		220		ug/Kg	☼	06/17/14 08:24	06/26/14 19:56	5
Indeno[1,2,3-cd]pyrene	ND		290		ug/Kg	☼	06/17/14 08:24	06/26/14 19:56	5
Dibenz(a,h)anthracene	ND		290		ug/Kg	☼	06/17/14 08:24	06/26/14 19:56	5
Benzo[b]fluoranthene	180		150		ug/Kg	☼	06/17/14 08:24	06/26/14 19:56	5
Benzo[k]fluoranthene	ND		180		ug/Kg	☼	06/17/14 08:24	06/26/14 19:56	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	112		42 - 151	06/17/14 08:24	06/26/14 19:56	5

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	H	5.3		mg/Kg	☼	06/16/14 19:18	06/18/14 00:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		50 - 150	06/16/14 19:18	06/18/14 00:53	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND	Y	360		mg/Kg	☼	06/17/14 16:43	06/19/14 04:22	10
Motor Oil (>C24-C36)	2700	Y	720		mg/Kg	☼	06/17/14 16:43	06/19/14 04:22	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	91		50 - 150	06/17/14 16:43	06/19/14 04:22	10

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	2600	Y	150		mg/Kg	☼	06/09/14 09:56	06/10/14 21:49	1
Gasoline	34	Y	29		mg/Kg	☼	06/09/14 09:56	06/10/14 21:49	1
#2 Diesel (>C12-C24)	420	Y	73		mg/Kg	☼	06/09/14 09:56	06/10/14 21:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	78		50 - 150	06/09/14 09:56	06/10/14 21:49	1
4-Bromofluorobenzene (Surr)	58		50 - 150	06/09/14 09:56	06/10/14 21:49	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: J5-5.0-060314

Lab Sample ID: 580-43867-26

Date Collected: 06/03/14 13:27

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 66.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	27		3.8		mg/Kg	☼	06/18/14 11:58	06/19/14 14:39	1
Cadmium	ND		1.3		mg/Kg	☼	06/18/14 11:58	06/19/14 14:39	1
Chromium	43		1.7		mg/Kg	☼	06/18/14 11:58	06/19/14 14:39	1
Lead	76		1.9		mg/Kg	☼	06/18/14 11:58	06/19/14 14:39	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.40		0.022		mg/Kg	☼	06/18/14 18:00	06/19/14 09:55	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	67		0.10		%	—		06/11/14 09:02	1
Percent Moisture	33		0.10		%	—		06/11/14 09:02	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: J4-5.0-060314

Lab Sample ID: 580-43867-27

Date Collected: 06/03/14 13:35

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 68.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		31		ug/Kg	☼	06/17/14 03:44	06/17/14 12:23	1
Toluene	ND		77		ug/Kg	☼	06/17/14 03:44	06/17/14 12:23	1
Ethylbenzene	140		77		ug/Kg	☼	06/17/14 03:44	06/17/14 12:23	1
m-Xylene & p-Xylene	290		77		ug/Kg	☼	06/17/14 03:44	06/17/14 12:23	1
o-Xylene	190		77		ug/Kg	☼	06/17/14 03:44	06/17/14 12:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		80 - 120	06/17/14 03:44	06/17/14 12:23	1
4-Bromofluorobenzene (Surr)	101		70 - 120	06/17/14 03:44	06/17/14 12:23	1
Dibromofluoromethane (Surr)	95		75 - 132	06/17/14 03:44	06/17/14 12:23	1
1,2-Dichloroethane-d4 (Surr)	96		71 - 136	06/17/14 03:44	06/17/14 12:23	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	790		290		ug/Kg	☼	06/17/14 08:24	06/28/14 20:59	10
Chrysene	1400		360		ug/Kg	☼	06/17/14 08:24	06/28/14 20:59	10
Benzo[a]pyrene	1200		430		ug/Kg	☼	06/17/14 08:24	06/28/14 20:59	10
Indeno[1,2,3-cd]pyrene	ND		580		ug/Kg	☼	06/17/14 08:24	06/28/14 20:59	10
Dibenz(a,h)anthracene	ND		580		ug/Kg	☼	06/17/14 08:24	06/28/14 20:59	10
Benzo[b]fluoranthene	640		290		ug/Kg	☼	06/17/14 08:24	06/28/14 20:59	10
Benzo[k]fluoranthene	ND		360		ug/Kg	☼	06/17/14 08:24	06/28/14 20:59	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	119		42 - 151	06/17/14 08:24	06/28/14 20:59	10

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	35	H	7.7		mg/Kg	☼	06/16/14 19:18	06/18/14 01:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		50 - 150	06/16/14 19:18	06/18/14 01:26	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	1800	Y	360		mg/Kg	☼	06/17/14 16:43	06/19/14 04:40	10
Motor Oil (>C24-C36)	18000	Y	720		mg/Kg	☼	06/17/14 16:43	06/19/14 04:40	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	88		50 - 150	06/17/14 16:43	06/19/14 04:40	10

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	7000	Y	140		mg/Kg	☼	06/09/14 09:56	06/10/14 22:08	1
Gasoline	260	Y	28		mg/Kg	☼	06/09/14 09:56	06/10/14 22:08	1
#2 Diesel (>C12-C24)	1400	Y	70		mg/Kg	☼	06/09/14 09:56	06/10/14 22:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	69		50 - 150	06/09/14 09:56	06/10/14 22:08	1
4-Bromofluorobenzene (Surr)	84		50 - 150	06/09/14 09:56	06/10/14 22:08	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: J4-5.0-060314

Lab Sample ID: 580-43867-27

Date Collected: 06/03/14 13:35

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 68.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	14		3.5		mg/Kg	☼	06/18/14 11:58	06/19/14 14:50	1
Cadmium	ND		1.2		mg/Kg	☼	06/18/14 11:58	06/19/14 14:50	1
Chromium	27		1.5		mg/Kg	☼	06/18/14 11:58	06/19/14 14:50	1
Lead	75		1.7		mg/Kg	☼	06/18/14 11:58	06/19/14 14:50	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.60		0.019		mg/Kg	☼	06/18/14 18:00	06/19/14 09:58	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	69		0.10		%	—		06/11/14 09:02	1
Percent Moisture	31		0.10		%	—		06/11/14 09:02	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: J3-5.0-060314

Lab Sample ID: 580-43867-28

Date Collected: 06/03/14 13:45

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 71.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		23		ug/Kg	☼	06/17/14 03:44	06/17/14 12:49	1
Toluene	ND		58		ug/Kg	☼	06/17/14 03:44	06/17/14 12:49	1
Ethylbenzene	ND		58		ug/Kg	☼	06/17/14 03:44	06/17/14 12:49	1
m-Xylene & p-Xylene	ND		58		ug/Kg	☼	06/17/14 03:44	06/17/14 12:49	1
o-Xylene	ND		58		ug/Kg	☼	06/17/14 03:44	06/17/14 12:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		80 - 120	06/17/14 03:44	06/17/14 12:49	1
4-Bromofluorobenzene (Surr)	103		70 - 120	06/17/14 03:44	06/17/14 12:49	1
Dibromofluoromethane (Surr)	93		75 - 132	06/17/14 03:44	06/17/14 12:49	1
1,2-Dichloroethane-d4 (Surr)	97		71 - 136	06/17/14 03:44	06/17/14 12:49	1

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	38	H	5.8		mg/Kg	☼	06/16/14 19:18	06/18/14 02:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		50 - 150	06/16/14 19:18	06/18/14 02:34	1

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	ND		140		mg/Kg	☼	06/09/14 09:56	06/10/14 22:27	1
Gasoline	28	Y	28		mg/Kg	☼	06/09/14 09:56	06/10/14 22:27	1
#2 Diesel (>C12-C24)	ND		69		mg/Kg	☼	06/09/14 09:56	06/10/14 22:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	63		50 - 150	06/09/14 09:56	06/10/14 22:27	1
4-Bromofluorobenzene (Surr)	50		50 - 150	06/09/14 09:56	06/10/14 22:27	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		4.1		mg/Kg	☼	06/18/14 11:58	06/19/14 14:53	1
Cadmium	ND		1.4		mg/Kg	☼	06/18/14 11:58	06/19/14 14:53	1
Chromium	39		1.8		mg/Kg	☼	06/18/14 11:58	06/19/14 14:53	1
Lead	14		2.0		mg/Kg	☼	06/18/14 11:58	06/19/14 14:53	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.10		0.020		mg/Kg	☼	06/18/14 18:00	06/19/14 10:00	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	71		0.10		%	—		06/11/14 09:02	1
Percent Moisture	29		0.10		%			06/11/14 09:02	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: J2-5.0-060314

Lab Sample ID: 580-43867-29

Date Collected: 06/03/14 13:55

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 65.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		24		ug/Kg	☼	06/17/14 03:44	06/17/14 13:16	1
Toluene	ND		60		ug/Kg	☼	06/17/14 03:44	06/17/14 13:16	1
Ethylbenzene	ND		60		ug/Kg	☼	06/17/14 03:44	06/17/14 13:16	1
m-Xylene & p-Xylene	ND		60		ug/Kg	☼	06/17/14 03:44	06/17/14 13:16	1
o-Xylene	ND		60		ug/Kg	☼	06/17/14 03:44	06/17/14 13:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		80 - 120	06/17/14 03:44	06/17/14 13:16	1
4-Bromofluorobenzene (Surr)	102		70 - 120	06/17/14 03:44	06/17/14 13:16	1
Dibromofluoromethane (Surr)	92		75 - 132	06/17/14 03:44	06/17/14 13:16	1
1,2-Dichloroethane-d4 (Surr)	98		71 - 136	06/17/14 03:44	06/17/14 13:16	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	830		300		ug/Kg	☼	06/17/14 08:24	06/28/14 21:24	10
Chrysene	970		380		ug/Kg	☼	06/17/14 08:24	06/28/14 21:24	10
Benzo[a]pyrene	1100		450		ug/Kg	☼	06/17/14 08:24	06/28/14 21:24	10
Indeno[1,2,3-cd]pyrene	ND		600		ug/Kg	☼	06/17/14 08:24	06/28/14 21:24	10
Dibenz(a,h)anthracene	ND		600		ug/Kg	☼	06/17/14 08:24	06/28/14 21:24	10
Benzo[b]fluoranthene	1600		300		ug/Kg	☼	06/17/14 08:24	06/28/14 21:24	10
Benzo[k]fluoranthene	510		380		ug/Kg	☼	06/17/14 08:24	06/28/14 21:24	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	106		42 - 151	06/17/14 08:24	06/28/14 21:24	10

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	H	6.0		mg/Kg	☼	06/16/14 19:18	06/18/14 03:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		50 - 150	06/16/14 19:18	06/18/14 03:07	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	380	Y	370		mg/Kg	☼	06/17/14 17:32	06/20/14 18:48	10
Motor Oil (>C24-C36)	4100	Y	730		mg/Kg	☼	06/17/14 17:32	06/20/14 18:48	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	78		50 - 150	06/17/14 17:32	06/20/14 18:48	10

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	4000	Y	150		mg/Kg	☼	06/09/14 09:56	06/10/14 22:46	1
Gasoline	54	Y	29		mg/Kg	☼	06/09/14 09:56	06/10/14 22:46	1
#2 Diesel (>C12-C24)	660	Y	74		mg/Kg	☼	06/09/14 09:56	06/10/14 22:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	72		50 - 150	06/09/14 09:56	06/10/14 22:46	1
4-Bromofluorobenzene (Surr)	62		50 - 150	06/09/14 09:56	06/10/14 22:46	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: J2-5.0-060314

Lab Sample ID: 580-43867-29

Date Collected: 06/03/14 13:55

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 65.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	13		4.0		mg/Kg	☼	06/18/14 11:58	06/19/14 14:56	1
Cadmium	ND		1.3		mg/Kg	☼	06/18/14 11:58	06/19/14 14:56	1
Chromium	19		1.7		mg/Kg	☼	06/18/14 11:58	06/19/14 14:56	1
Lead	160		2.0		mg/Kg	☼	06/18/14 11:58	06/19/14 14:56	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.52		0.023		mg/Kg	☼	06/18/14 18:00	06/19/14 10:02	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	65		0.10		%	—		06/11/14 09:02	1
Percent Moisture	35		0.10		%	—		06/11/14 09:02	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: I1-5.0-060314

Lab Sample ID: 580-43867-30

Date Collected: 06/03/14 14:01

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 52.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		67		ug/Kg	☼	06/17/14 03:44	06/17/14 13:44	1
Toluene	ND		170		ug/Kg	☼	06/17/14 03:44	06/17/14 13:44	1
Ethylbenzene	ND		170		ug/Kg	☼	06/17/14 03:44	06/17/14 13:44	1
m-Xylene & p-Xylene	ND		170		ug/Kg	☼	06/17/14 03:44	06/17/14 13:44	1
o-Xylene	ND		170		ug/Kg	☼	06/17/14 03:44	06/17/14 13:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120	06/17/14 03:44	06/17/14 13:44	1
4-Bromofluorobenzene (Surr)	102		70 - 120	06/17/14 03:44	06/17/14 13:44	1
Dibromofluoromethane (Surr)	87		75 - 132	06/17/14 03:44	06/17/14 13:44	1
1,2-Dichloroethane-d4 (Surr)	96		71 - 136	06/17/14 03:44	06/17/14 13:44	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		370		ug/Kg	☼	06/17/14 08:24	06/28/14 21:49	10
Chrysene	530		470		ug/Kg	☼	06/17/14 08:24	06/28/14 21:49	10
Benzo[a]pyrene	ND		560		ug/Kg	☼	06/17/14 08:24	06/28/14 21:49	10
Indeno[1,2,3-cd]pyrene	ND		750		ug/Kg	☼	06/17/14 08:24	06/28/14 21:49	10
Dibenz(a,h)anthracene	ND		750		ug/Kg	☼	06/17/14 08:24	06/28/14 21:49	10
Benzo[b]fluoranthene	490		370		ug/Kg	☼	06/17/14 08:24	06/28/14 21:49	10
Benzo[k]fluoranthene	ND		470		ug/Kg	☼	06/17/14 08:24	06/28/14 21:49	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	109		42 - 151	06/17/14 08:24	06/28/14 21:49	10

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	H	17		mg/Kg	☼	06/16/14 19:18	06/18/14 03:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		50 - 150	06/16/14 19:18	06/18/14 03:41	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	470	Y	460		mg/Kg	☼	06/17/14 17:32	06/20/14 19:04	10
Motor Oil (>C24-C36)	4800	Y	920		mg/Kg	☼	06/17/14 17:32	06/20/14 19:04	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	79		50 - 150	06/17/14 17:32	06/20/14 19:04	10

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	3000	Y	190		mg/Kg	☼	06/09/14 09:56	06/10/14 23:05	1
Gasoline	54	Y	37		mg/Kg	☼	06/09/14 09:56	06/10/14 23:05	1
#2 Diesel (>C12-C24)	550	Y	93		mg/Kg	☼	06/09/14 09:56	06/10/14 23:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	72		50 - 150	06/09/14 09:56	06/10/14 23:05	1
4-Bromofluorobenzene (Surr)	72		50 - 150	06/09/14 09:56	06/10/14 23:05	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: I1-5.0-060314

Lab Sample ID: 580-43867-30

Date Collected: 06/03/14 14:01

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 52.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	9.2		4.1		mg/Kg	☼	06/18/14 11:58	06/19/14 15:00	1
Cadmium	ND		1.4		mg/Kg	☼	06/18/14 11:58	06/19/14 15:00	1
Chromium	27		1.8		mg/Kg	☼	06/18/14 11:58	06/19/14 15:00	1
Lead	27		2.1		mg/Kg	☼	06/18/14 11:58	06/19/14 15:00	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.097		0.028		mg/Kg	☼	06/18/14 18:00	06/19/14 10:05	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	53		0.10		%	—		06/11/14 09:02	1
Percent Moisture	47		0.10		%	—		06/11/14 09:02	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: G8-1.5-060314

Lab Sample ID: 580-43867-32

Date Collected: 06/03/14 14:35

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 86.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		14		ug/Kg	☼	06/17/14 03:44	06/17/14 14:11	1
Toluene	170		34		ug/Kg	☼	06/17/14 03:44	06/17/14 14:11	1
Ethylbenzene	79		34		ug/Kg	☼	06/17/14 03:44	06/17/14 14:11	1
m-Xylene & p-Xylene	270		34		ug/Kg	☼	06/17/14 03:44	06/17/14 14:11	1
o-Xylene	170		34		ug/Kg	☼	06/17/14 03:44	06/17/14 14:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120	06/17/14 03:44	06/17/14 14:11	1
4-Bromofluorobenzene (Surr)	101		70 - 120	06/17/14 03:44	06/17/14 14:11	1
Dibromofluoromethane (Surr)	89		75 - 132	06/17/14 03:44	06/17/14 14:11	1
1,2-Dichloroethane-d4 (Surr)	96		71 - 136	06/17/14 03:44	06/17/14 14:11	1

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	36	H	3.4		mg/Kg	☼	06/17/14 12:58	06/18/14 08:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		50 - 150	06/17/14 12:58	06/18/14 08:44	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	330	Y	280		mg/Kg	☼	06/17/14 17:32	06/20/14 19:19	10
Motor Oil (>C24-C36)	3800	Y	560		mg/Kg	☼	06/17/14 17:32	06/20/14 19:19	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	86		50 - 150	06/17/14 17:32	06/20/14 19:19	10

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	1200	Y	110		mg/Kg	☼	06/09/14 09:56	06/10/14 23:24	1
Gasoline	47	Y	23		mg/Kg	☼	06/09/14 09:56	06/10/14 23:24	1
#2 Diesel (>C12-C24)	210	Y	56		mg/Kg	☼	06/09/14 09:56	06/10/14 23:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	80		50 - 150	06/09/14 09:56	06/10/14 23:24	1
4-Bromofluorobenzene (Surr)	74		50 - 150	06/09/14 09:56	06/10/14 23:24	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.9		2.4		mg/Kg	☼	06/18/14 11:58	06/19/14 15:02	1
Cadmium	ND		0.80		mg/Kg	☼	06/18/14 11:58	06/19/14 15:02	1
Chromium	16		1.0		mg/Kg	☼	06/18/14 11:58	06/19/14 15:02	1
Lead	18		1.2		mg/Kg	☼	06/18/14 11:58	06/19/14 15:02	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.070		0.016		mg/Kg	☼	06/18/14 18:00	06/19/14 10:07	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	87		0.10		%	-		06/11/14 09:02	1
Percent Moisture	13		0.10		%	-		06/11/14 09:02	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: H9-N-1.5-060314

Lab Sample ID: 580-43867-34

Date Collected: 06/03/14 14:52

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 81.5

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	82	Y	30		mg/Kg	☼	06/17/14 17:32	06/23/14 18:06	1
Motor Oil (>C24-C36)	590	Y	60		mg/Kg	☼	06/17/14 17:32	06/23/14 18:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	95		50 - 150				06/17/14 17:32	06/23/14 18:06	1

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	270	Y	120		mg/Kg	☼	06/09/14 09:56	06/10/14 23:43	1
Gasoline	ND		24		mg/Kg	☼	06/09/14 09:56	06/10/14 23:43	1
#2 Diesel (>C12-C24)	75	Y	61		mg/Kg	☼	06/09/14 09:56	06/10/14 23:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	84		50 - 150				06/09/14 09:56	06/10/14 23:43	1
4-Bromofluorobenzene (Surr)	50		50 - 150				06/09/14 09:56	06/10/14 23:43	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.0		2.2		mg/Kg	☼	06/18/14 11:58	06/19/14 15:05	1
Cadmium	ND		0.75		mg/Kg	☼	06/18/14 11:58	06/19/14 15:05	1
Chromium	19		0.97		mg/Kg	☼	06/18/14 11:58	06/19/14 15:05	1
Lead	23		1.1		mg/Kg	☼	06/18/14 11:58	06/19/14 15:05	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.058		0.017		mg/Kg	☼	06/18/14 18:00	06/19/14 10:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	81		0.10		%			06/11/14 09:02	1
Percent Moisture	19		0.10		%			06/11/14 09:02	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: H8-6.0-060314

Lab Sample ID: 580-43867-36

Date Collected: 06/03/14 15:04

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 87.3

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	ND		110		mg/Kg	☼	06/09/14 09:56	06/11/14 00:02	1
Gasoline	ND		23		mg/Kg	☼	06/09/14 09:56	06/11/14 00:02	1
#2 Diesel (>C12-C24)	ND		56		mg/Kg	☼	06/09/14 09:56	06/11/14 00:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	89		50 - 150				06/09/14 09:56	06/11/14 00:02	1
4-Bromofluorobenzene (Surr)	51		50 - 150				06/09/14 09:56	06/11/14 00:02	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.8		2.0		mg/Kg	☼	06/18/14 11:58	06/19/14 15:08	1
Cadmium	ND		0.66		mg/Kg	☼	06/18/14 11:58	06/19/14 15:08	1
Chromium	20		0.86		mg/Kg	☼	06/18/14 11:58	06/19/14 15:08	1
Lead	3.5		1.0		mg/Kg	☼	06/18/14 11:58	06/19/14 15:08	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.044		0.016		mg/Kg	☼	06/18/14 18:00	06/19/14 10:12	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	87		0.10		%	—		06/11/14 09:02	1
Percent Moisture	13		0.10		%			06/11/14 09:02	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: I8-3.0-060314

Lab Sample ID: 580-43867-37

Date Collected: 06/03/14 15:12

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 95.7

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	ND		100		mg/Kg	☼	06/09/14 09:56	06/11/14 00:21	1
Gasoline	ND		20		mg/Kg	☼	06/09/14 09:56	06/11/14 00:21	1
#2 Diesel (>C12-C24)	ND		50		mg/Kg	☼	06/09/14 09:56	06/11/14 00:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	87		50 - 150				06/09/14 09:56	06/11/14 00:21	1
4-Bromofluorobenzene (Surr)	55		50 - 150				06/09/14 09:56	06/11/14 00:21	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.9		mg/Kg	☼	06/18/14 11:58	06/19/14 15:12	1
Cadmium	ND		0.98		mg/Kg	☼	06/18/14 11:58	06/19/14 15:12	1
Chromium	17		1.3		mg/Kg	☼	06/18/14 11:58	06/19/14 15:12	1
Lead	2.0		1.5		mg/Kg	☼	06/18/14 11:58	06/19/14 15:12	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.015		mg/Kg	☼	06/18/14 18:00	06/19/14 10:19	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	96		0.10		%	—		06/11/14 09:02	1
Percent Moisture	4.3		0.10		%			06/11/14 09:02	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: I7-2.0-060314

Lab Sample ID: 580-43867-38

Date Collected: 06/03/14 15:20

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 64.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		27		ug/Kg	☼	06/17/14 08:29	06/17/14 16:54	1
Toluene	ND		69		ug/Kg	☼	06/17/14 08:29	06/17/14 16:54	1
Ethylbenzene	ND		69		ug/Kg	☼	06/17/14 08:29	06/17/14 16:54	1
m-Xylene & p-Xylene	ND		69		ug/Kg	☼	06/17/14 08:29	06/17/14 16:54	1
o-Xylene	ND		69		ug/Kg	☼	06/17/14 08:29	06/17/14 16:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120	06/17/14 08:29	06/17/14 16:54	1
4-Bromofluorobenzene (Surr)	99		70 - 120	06/17/14 08:29	06/17/14 16:54	1
Dibromofluoromethane (Surr)	90		75 - 132	06/17/14 08:29	06/17/14 16:54	1
1,2-Dichloroethane-d4 (Surr)	96		71 - 136	06/17/14 08:29	06/17/14 16:54	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		300		ug/Kg	☼	06/17/14 08:24	06/28/14 22:14	10
Chrysene	ND		380		ug/Kg	☼	06/17/14 08:24	06/28/14 22:14	10
Benzo[a]pyrene	ND		450		ug/Kg	☼	06/17/14 08:24	06/28/14 22:14	10
Indeno[1,2,3-cd]pyrene	ND		600		ug/Kg	☼	06/17/14 08:24	06/28/14 22:14	10
Dibenz(a,h)anthracene	ND		600		ug/Kg	☼	06/17/14 08:24	06/28/14 22:14	10
Benzo[b]fluoranthene	ND		300		ug/Kg	☼	06/17/14 08:24	06/28/14 22:14	10
Benzo[k]fluoranthene	ND		380		ug/Kg	☼	06/17/14 08:24	06/28/14 22:14	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	119		42 - 151	06/17/14 08:24	06/28/14 22:14	10

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	H	6.9		mg/Kg	☼	06/17/14 12:58	06/18/14 09:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		50 - 150	06/17/14 12:58	06/18/14 09:17	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		380		mg/Kg	☼	06/17/14 17:32	06/23/14 18:22	10
Motor Oil (>C24-C36)	2400	Y	750		mg/Kg	☼	06/17/14 17:32	06/23/14 18:22	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	93		50 - 150	06/17/14 17:32	06/23/14 18:22	10

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	4100	Y	150		mg/Kg	☼	06/09/14 09:56	06/11/14 00:40	1
Gasoline	56	Y	30		mg/Kg	☼	06/09/14 09:56	06/11/14 00:40	1
#2 Diesel (>C12-C24)	630	Y	75		mg/Kg	☼	06/09/14 09:56	06/11/14 00:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	75		50 - 150	06/09/14 09:56	06/11/14 00:40	1
4-Bromofluorobenzene (Surr)	72		50 - 150	06/09/14 09:56	06/11/14 00:40	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: I7-2.0-060314

Lab Sample ID: 580-43867-38

Date Collected: 06/03/14 15:20

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 64.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	12		4.2		mg/Kg	☼	06/18/14 11:58	06/19/14 15:14	1
Cadmium	ND		1.4		mg/Kg	☼	06/18/14 11:58	06/19/14 15:14	1
Chromium	24		1.8		mg/Kg	☼	06/18/14 11:58	06/19/14 15:14	1
Lead	36		2.1		mg/Kg	☼	06/18/14 11:58	06/19/14 15:14	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.13		0.024		mg/Kg	☼	06/18/14 18:00	06/19/14 10:22	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	64		0.10		%	—		06/11/14 09:02	1
Percent Moisture	36		0.10		%	—		06/11/14 09:02	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: I7-4.0-060314

Lab Sample ID: 580-43867-39

Date Collected: 06/03/14 15:25

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 93.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		8.8		ug/Kg	☼	06/17/14 08:29	06/17/14 17:21	1
Toluene	ND		22		ug/Kg	☼	06/17/14 08:29	06/17/14 17:21	1
Ethylbenzene	ND		22		ug/Kg	☼	06/17/14 08:29	06/17/14 17:21	1
m-Xylene & p-Xylene	ND		22		ug/Kg	☼	06/17/14 08:29	06/17/14 17:21	1
o-Xylene	ND		22		ug/Kg	☼	06/17/14 08:29	06/17/14 17:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120	06/17/14 08:29	06/17/14 17:21	1
4-Bromofluorobenzene (Surr)	99		70 - 120	06/17/14 08:29	06/17/14 17:21	1
Dibromofluoromethane (Surr)	93		75 - 132	06/17/14 08:29	06/17/14 17:21	1
1,2-Dichloroethane-d4 (Surr)	97		71 - 136	06/17/14 08:29	06/17/14 17:21	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		20		ug/Kg	☼	06/17/14 08:24	06/28/14 22:39	1
Chrysene	ND		26		ug/Kg	☼	06/17/14 08:24	06/28/14 22:39	1
Benzo[a]pyrene	ND		31		ug/Kg	☼	06/17/14 08:24	06/28/14 22:39	1
Indeno[1,2,3-cd]pyrene	ND		41		ug/Kg	☼	06/17/14 08:24	06/28/14 22:39	1
Dibenz(a,h)anthracene	ND		41		ug/Kg	☼	06/17/14 08:24	06/28/14 22:39	1
Benzo[b]fluoranthene	ND		20		ug/Kg	☼	06/17/14 08:24	06/28/14 22:39	1
Benzo[k]fluoranthene	ND		26		ug/Kg	☼	06/17/14 08:24	06/28/14 22:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	111		42 - 151	06/17/14 08:24	06/28/14 22:39	1

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	H	2.2		mg/Kg	☼	06/17/14 12:58	06/18/14 09:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		50 - 150	06/17/14 12:58	06/18/14 09:51	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		26		mg/Kg	☼	06/17/14 17:32	06/23/14 18:38	1
Motor Oil (>C24-C36)	ND		52		mg/Kg	☼	06/17/14 17:32	06/23/14 18:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	102		50 - 150	06/17/14 17:32	06/23/14 18:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	94		0.10		%			06/16/14 16:55	1
Percent Moisture	6.1		0.10		%			06/16/14 16:55	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: D7-3.0-060314

Lab Sample ID: 580-43867-40

Date Collected: 06/03/14 15:46

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 87.2

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	52	Y	28		mg/Kg	☼	06/17/14 17:32	06/23/14 18:53	1
Motor Oil (>C24-C36)	340	Y	56		mg/Kg	☼	06/17/14 17:32	06/23/14 18:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	96		50 - 150				06/17/14 17:32	06/23/14 18:53	1

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	230	Y	110		mg/Kg	☼	06/09/14 09:56	06/11/14 00:59	1
Gasoline	ND		22		mg/Kg	☼	06/09/14 09:56	06/11/14 00:59	1
#2 Diesel (>C12-C24)	ND		56		mg/Kg	☼	06/09/14 09:56	06/11/14 00:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	95		50 - 150				06/09/14 09:56	06/11/14 00:59	1
4-Bromofluorobenzene (Surr)	48	X	50 - 150				06/09/14 09:56	06/11/14 00:59	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.5		2.1		mg/Kg	☼	06/18/14 13:38	06/19/14 15:36	1
Cadmium	ND		0.70		mg/Kg	☼	06/18/14 13:38	06/19/14 15:36	1
Chromium	20		0.91		mg/Kg	☼	06/18/14 13:38	06/19/14 15:36	1
Lead	8.4		1.0		mg/Kg	☼	06/18/14 13:38	06/19/14 15:36	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.043		0.015		mg/Kg	☼	06/18/14 18:00	06/19/14 10:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	87		0.10		%			06/11/14 09:02	1
Percent Moisture	13		0.10		%			06/11/14 09:02	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: E7-1.5-060314

Lab Sample ID: 580-43867-41

Date Collected: 06/03/14 16:00

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 83.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		20		ug/Kg	☼	06/17/14 08:29	06/17/14 17:47	1
Toluene	ND		51		ug/Kg	☼	06/17/14 08:29	06/17/14 17:47	1
Ethylbenzene	ND		51		ug/Kg	☼	06/17/14 08:29	06/17/14 17:47	1
m-Xylene & p-Xylene	ND		51		ug/Kg	☼	06/17/14 08:29	06/17/14 17:47	1
o-Xylene	ND		51		ug/Kg	☼	06/17/14 08:29	06/17/14 17:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120	06/17/14 08:29	06/17/14 17:47	1
4-Bromofluorobenzene (Surr)	101		70 - 120	06/17/14 08:29	06/17/14 17:47	1
Dibromofluoromethane (Surr)	88		75 - 132	06/17/14 08:29	06/17/14 17:47	1
1,2-Dichloroethane-d4 (Surr)	95		71 - 136	06/17/14 08:29	06/17/14 17:47	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	350		120		ug/Kg	☼	06/17/14 08:24	06/28/14 23:04	5
Chrysene	560		150		ug/Kg	☼	06/17/14 08:24	06/28/14 23:04	5
Benzo[a]pyrene	730		180		ug/Kg	☼	06/17/14 08:24	06/28/14 23:04	5
Indeno[1,2,3-cd]pyrene	ND		230		ug/Kg	☼	06/17/14 08:24	06/28/14 23:04	5
Dibenz(a,h)anthracene	ND		230		ug/Kg	☼	06/17/14 08:24	06/28/14 23:04	5
Benzo[b]fluoranthene	520		120		ug/Kg	☼	06/17/14 08:24	06/28/14 23:04	5
Benzo[k]fluoranthene	ND		150		ug/Kg	☼	06/17/14 08:24	06/28/14 23:04	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	112		42 - 151	06/17/14 08:24	06/28/14 23:04	5

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	20	H	5.1		mg/Kg	☼	06/17/14 12:58	06/18/14 10:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		50 - 150	06/17/14 12:58	06/18/14 10:58	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	420	Y	150		mg/Kg	☼	06/17/14 17:32	06/23/14 19:09	5
Motor Oil (>C24-C36)	3900	Y	290		mg/Kg	☼	06/17/14 17:32	06/23/14 19:09	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	95		50 - 150	06/17/14 17:32	06/23/14 19:09	5

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	3400	Y	120		mg/Kg	☼	06/09/14 09:56	06/11/14 01:18	1
Gasoline	65	Y	23		mg/Kg	☼	06/09/14 09:56	06/11/14 01:18	1
#2 Diesel (>C12-C24)	580	Y	59		mg/Kg	☼	06/09/14 09:56	06/11/14 01:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	66		50 - 150	06/09/14 09:56	06/11/14 01:18	1
4-Bromofluorobenzene (Surr)	75		50 - 150	06/09/14 09:56	06/11/14 01:18	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: E7-1.5-060314

Lab Sample ID: 580-43867-41

Date Collected: 06/03/14 16:00

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 83.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	11		3.3		mg/Kg	☼	06/18/14 13:38	06/19/14 16:04	1
Cadmium	ND		1.1		mg/Kg	☼	06/18/14 13:38	06/19/14 16:04	1
Chromium	29		1.4		mg/Kg	☼	06/18/14 13:38	06/19/14 16:04	1
Lead	47		1.7		mg/Kg	☼	06/18/14 13:38	06/19/14 16:04	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.087		0.018		mg/Kg	☼	06/18/14 18:00	06/19/14 10:26	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	84		0.10		%	—		06/11/14 09:02	1
Percent Moisture	16		0.10		%	—		06/11/14 09:02	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: E7-4.0-060314

Lab Sample ID: 580-43867-42

Date Collected: 06/03/14 16:05

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 92.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		6.7		ug/Kg	☼	06/17/14 08:29	06/17/14 18:14	1
Toluene	ND		17		ug/Kg	☼	06/17/14 08:29	06/17/14 18:14	1
Ethylbenzene	ND		17		ug/Kg	☼	06/17/14 08:29	06/17/14 18:14	1
m-Xylene & p-Xylene	ND		17		ug/Kg	☼	06/17/14 08:29	06/17/14 18:14	1
o-Xylene	ND		17		ug/Kg	☼	06/17/14 08:29	06/17/14 18:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		80 - 120	06/17/14 08:29	06/17/14 18:14	1
4-Bromofluorobenzene (Surr)	104		70 - 120	06/17/14 08:29	06/17/14 18:14	1
Dibromofluoromethane (Surr)	94		75 - 132	06/17/14 08:29	06/17/14 18:14	1
1,2-Dichloroethane-d4 (Surr)	102		71 - 136	06/17/14 08:29	06/17/14 18:14	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		21		ug/Kg	☼	06/17/14 08:24	06/28/14 23:29	1
Chrysene	ND		26		ug/Kg	☼	06/17/14 08:24	06/28/14 23:29	1
Benzo[a]pyrene	ND		31		ug/Kg	☼	06/17/14 08:24	06/28/14 23:29	1
Indeno[1,2,3-cd]pyrene	ND		42		ug/Kg	☼	06/17/14 08:24	06/28/14 23:29	1
Dibenz(a,h)anthracene	ND		42		ug/Kg	☼	06/17/14 08:24	06/28/14 23:29	1
Benzo[b]fluoranthene	ND		21		ug/Kg	☼	06/17/14 08:24	06/28/14 23:29	1
Benzo[k]fluoranthene	ND		26		ug/Kg	☼	06/17/14 08:24	06/28/14 23:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	107		42 - 151	06/17/14 08:24	06/28/14 23:29	1

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND	H	1.7		mg/Kg	☼	06/17/14 12:58	06/18/14 11:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		50 - 150	06/17/14 12:58	06/18/14 11:32	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		26		mg/Kg	☼	06/17/14 17:32	06/23/14 19:25	1
Motor Oil (>C24-C36)	ND		52		mg/Kg	☼	06/17/14 17:32	06/23/14 19:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	97		50 - 150	06/17/14 17:32	06/23/14 19:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	92		0.10		%			06/16/14 16:55	1
Percent Moisture	7.6		0.10		%			06/16/14 16:55	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: F7-5.0-060314

Lab Sample ID: 580-43867-43

Date Collected: 06/03/14 16:10

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 92.8

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	ND		100		mg/Kg	☼	06/09/14 09:56	06/11/14 01:38	1
Gasoline	ND		21		mg/Kg	☼	06/09/14 09:56	06/11/14 01:38	1
#2 Diesel (>C12-C24)	ND		52		mg/Kg	☼	06/09/14 09:56	06/11/14 01:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	94		50 - 150				06/09/14 09:56	06/11/14 01:38	1
4-Bromofluorobenzene (Surr)	53		50 - 150				06/09/14 09:56	06/11/14 01:38	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.0		3.0		mg/Kg	☼	06/18/14 13:38	06/19/14 16:08	1
Cadmium	ND		0.99		mg/Kg	☼	06/18/14 13:38	06/19/14 16:08	1
Chromium	17		1.3		mg/Kg	☼	06/18/14 13:38	06/19/14 16:08	1
Lead	2.1		1.5		mg/Kg	☼	06/18/14 13:38	06/19/14 16:08	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.018		0.016		mg/Kg	☼	06/19/14 10:04	06/19/14 12:45	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	93		0.10		%	—		06/11/14 09:02	1
Percent Moisture	7.2		0.10		%			06/11/14 09:02	1

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 580-160765/1-A

Matrix: Solid

Analysis Batch: 160763

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 160765

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
Chloromethane	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
Vinyl chloride	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
Bromomethane	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
Chloroethane	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
Trichlorofluoromethane	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
1,1-Dichloroethene	ND		5.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
Methylene Chloride	ND		15		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
1,1-Dichloroethane	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
2,2-Dichloropropane	ND		5.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
Chlorobromomethane	ND		2.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
Chloroform	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
Carbon tetrachloride	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
1,1-Dichloropropene	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
Benzene	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
1,2-Dichloroethane	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
Trichloroethene	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
1,2-Dichloropropane	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
Dibromomethane	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
Dichlorobromomethane	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
Toluene	ND		2.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
trans-1,3-Dichloropropene	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
1,1,2-Trichloroethane	ND		2.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
Tetrachloroethene	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
1,3-Dichloropropane	ND		2.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
Chlorodibromomethane	ND		2.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
Ethylene Dibromide	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
Chlorobenzene	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
Ethylbenzene	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
m-Xylene & p-Xylene	ND		2.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
o-Xylene	ND		2.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
Styrene	ND		2.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
Bromoform	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
Isopropylbenzene	ND		2.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
Bromobenzene	ND		2.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
N-Propylbenzene	ND		2.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
1,2,3-Trichloropropane	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
2-Chlorotoluene	ND		2.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
1,3,5-Trimethylbenzene	ND		5.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
4-Chlorotoluene	ND		2.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
tert-Butylbenzene	ND		2.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 580-160765/1-A

Matrix: Solid

Analysis Batch: 160763

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 160765

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		2.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
1,3-Dichlorobenzene	ND		2.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
4-Isopropyltoluene	ND		2.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
n-Butylbenzene	ND		2.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
1,2-Dichlorobenzene	ND		2.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
Hexachlorobutadiene	ND		2.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
Naphthalene	ND		5.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1
Methyl tert-butyl ether	ND		1.0		ug/Kg		06/10/14 13:35	06/10/14 13:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		80 - 120	06/10/14 13:35	06/10/14 13:59	1
4-Bromofluorobenzene (Surr)	101		70 - 120	06/10/14 13:35	06/10/14 13:59	1
Dibromofluoromethane (Surr)	102		75 - 132	06/10/14 13:35	06/10/14 13:59	1
Trifluorotoluene (Surr)	87		65 - 140	06/10/14 13:35	06/10/14 13:59	1
1,2-Dichloroethane-d4 (Surr)	102		71 - 136	06/10/14 13:35	06/10/14 13:59	1

Lab Sample ID: LCS 580-160765/2-A

Matrix: Solid

Analysis Batch: 160763

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 160765

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	30.0	26.1		ug/Kg		87	38 - 150
Chloromethane	30.0	27.4		ug/Kg		91	55 - 136
Vinyl chloride	30.0	29.2		ug/Kg		97	67 - 131
Bromomethane	30.0	27.8		ug/Kg		93	57 - 148
Chloroethane	30.0	28.1		ug/Kg		94	48 - 167
Trichlorofluoromethane	30.0	27.7		ug/Kg		92	47 - 165
1,1-Dichloroethene	30.0	25.6		ug/Kg		85	70 - 133
Methylene Chloride	30.0	29.6		ug/Kg		99	57 - 146
trans-1,2-Dichloroethene	30.0	26.0		ug/Kg		87	76 - 131
1,1-Dichloroethane	30.0	26.4		ug/Kg		88	70 - 128
2,2-Dichloropropane	30.0	27.4		ug/Kg		91	56 - 144
cis-1,2-Dichloroethene	30.0	26.9		ug/Kg		90	70 - 130
Chlorobromomethane	30.0	28.2		ug/Kg		94	78 - 123
Chloroform	30.0	27.5		ug/Kg		92	78 - 125
1,1,1-Trichloroethane	30.0	27.0		ug/Kg		90	63 - 135
Carbon tetrachloride	30.0	26.8		ug/Kg		89	59 - 145
1,1-Dichloropropene	30.0	26.5		ug/Kg		88	77 - 125
Benzene	30.0	27.0		ug/Kg		90	70 - 128
1,2-Dichloroethane	30.0	28.4		ug/Kg		95	71 - 128
Trichloroethene	30.0	27.2		ug/Kg		91	83 - 124
1,2-Dichloropropane	30.0	27.9		ug/Kg		93	76 - 161
Dibromomethane	30.0	29.8		ug/Kg		99	78 - 126
Dichlorobromomethane	30.0	27.4		ug/Kg		91	58 - 133

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 580-160765/2-A

Matrix: Solid

Analysis Batch: 160763

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 160765

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,3-Dichloropropene	30.0	28.7		ug/Kg		96	69 - 129
Toluene	30.0	26.5		ug/Kg		88	75 - 126
trans-1,3-Dichloropropene	30.0	29.5		ug/Kg		98	72 - 129
1,1,2-Trichloroethane	30.0	29.4		ug/Kg		98	77 - 124
Tetrachloroethene	30.0	22.1		ug/Kg		74	56 - 155
1,3-Dichloropropane	30.0	28.2		ug/Kg		94	77 - 123
Chlorodibromomethane	30.0	29.2		ug/Kg		97	42 - 129
Ethylene Dibromide	30.0	29.6		ug/Kg		99	69 - 126
Chlorobenzene	30.0	26.7		ug/Kg		89	75 - 120
Ethylbenzene	30.0	26.4		ug/Kg		88	78 - 126
1,1,1,2-Tetrachloroethane	30.0	27.8		ug/Kg		93	72 - 123
1,1,2,2-Tetrachloroethane	30.0	28.7		ug/Kg		96	73 - 125
m-Xylene & p-Xylene	30.0	27.1		ug/Kg		90	78 - 126
o-Xylene	30.0	27.2		ug/Kg		91	77 - 127
Styrene	30.0	28.0		ug/Kg		93	79 - 127
Bromoform	30.0	29.2		ug/Kg		97	50 - 124
Isopropylbenzene	30.0	27.5		ug/Kg		92	79 - 127
Bromobenzene	30.0	26.0		ug/Kg		87	80 - 120
N-Propylbenzene	30.0	25.6		ug/Kg		85	81 - 127
1,2,3-Trichloropropane	30.0	27.8		ug/Kg		93	77 - 123
2-Chlorotoluene	30.0	25.8		ug/Kg		86	79 - 122
1,3,5-Trimethylbenzene	30.0	26.2		ug/Kg		87	80 - 125
4-Chlorotoluene	30.0	26.1		ug/Kg		87	80 - 122
tert-Butylbenzene	30.0	26.1		ug/Kg		87	71 - 136
1,2,4-Trimethylbenzene	30.0	26.4		ug/Kg		88	79 - 124
sec-Butylbenzene	30.0	26.2		ug/Kg		87	78 - 128
1,3-Dichlorobenzene	30.0	26.4		ug/Kg		88	79 - 119
4-Isopropyltoluene	30.0	26.3		ug/Kg		88	78 - 126
1,4-Dichlorobenzene	30.0	26.7		ug/Kg		89	79 - 117
n-Butylbenzene	30.0	26.8		ug/Kg		89	78 - 128
1,2-Dichlorobenzene	30.0	27.3		ug/Kg		91	79 - 117
1,2-Dibromo-3-Chloropropane	30.0	30.7		ug/Kg		102	53 - 132
1,2,4-Trichlorobenzene	30.0	28.5		ug/Kg		95	61 - 130
1,2,3-Trichlorobenzene	30.0	29.3		ug/Kg		98	61 - 130
Hexachlorobutadiene	30.0	27.5		ug/Kg		92	68 - 134
Naphthalene	30.0	26.8		ug/Kg		89	14 - 170
Methyl tert-butyl ether	30.0	29.1		ug/Kg		97	65 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	98		80 - 120
4-Bromofluorobenzene (Surr)	103		70 - 120
Dibromofluoromethane (Surr)	101		75 - 132
Trifluorotoluene (Surr)	90		65 - 140
1,2-Dichloroethane-d4 (Surr)	102		71 - 136

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 580-160765/3-A

Matrix: Solid

Analysis Batch: 160763

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 160765

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dichlorodifluoromethane	30.0	25.9		ug/Kg		86	38 - 150	1	26
Chloromethane	30.0	25.9		ug/Kg		87	55 - 136	6	26
Vinyl chloride	30.0	28.5		ug/Kg		95	67 - 131	3	22
Bromomethane	30.0	24.7		ug/Kg		82	57 - 148	12	29
Chloroethane	30.0	26.2		ug/Kg		87	48 - 167	7	53
Trichlorofluoromethane	30.0	26.6		ug/Kg		89	47 - 165	4	54
1,1-Dichloroethene	30.0	25.6		ug/Kg		85	70 - 133	0	23
Methylene Chloride	30.0	29.6		ug/Kg		99	57 - 146	0	21
trans-1,2-Dichloroethene	30.0	26.9		ug/Kg		90	76 - 131	3	18
1,1-Dichloroethane	30.0	26.6		ug/Kg		89	70 - 128	1	21
2,2-Dichloropropane	30.0	27.6		ug/Kg		92	56 - 144	1	21
cis-1,2-Dichloroethene	30.0	26.4		ug/Kg		88	70 - 130	2	19
Chlorobromomethane	30.0	28.6		ug/Kg		95	78 - 123	2	19
Chloroform	30.0	26.8		ug/Kg		89	78 - 125	3	17
1,1,1-Trichloroethane	30.0	27.2		ug/Kg		91	63 - 135	1	20
Carbon tetrachloride	30.0	26.7		ug/Kg		89	59 - 145	0	19
1,1-Dichloropropene	30.0	26.3		ug/Kg		88	77 - 125	1	16
Benzene	30.0	26.9		ug/Kg		90	70 - 128	0	19
1,2-Dichloroethane	30.0	28.4		ug/Kg		95	71 - 128	0	18
Trichloroethene	30.0	26.8		ug/Kg		89	83 - 124	1	17
1,2-Dichloropropane	30.0	27.8		ug/Kg		93	76 - 161	1	15
Dibromomethane	30.0	29.5		ug/Kg		98	78 - 126	1	18
Dichlorobromomethane	30.0	28.8		ug/Kg		96	58 - 133	5	19
cis-1,3-Dichloropropene	30.0	28.7		ug/Kg		96	69 - 129	0	19
Toluene	30.0	26.4		ug/Kg		88	75 - 126	0	19
trans-1,3-Dichloropropene	30.0	30.3		ug/Kg		101	72 - 129	3	20
1,1,2-Trichloroethane	30.0	29.3		ug/Kg		98	77 - 124	0	18
Tetrachloroethene	30.0	22.6		ug/Kg		75	56 - 155	2	27
1,3-Dichloropropane	30.0	28.4		ug/Kg		95	77 - 123	1	19
Chlorodibromomethane	30.0	29.3		ug/Kg		98	42 - 129	1	23
Ethylene Dibromide	30.0	29.4		ug/Kg		98	69 - 126	1	21
Chlorobenzene	30.0	26.8		ug/Kg		89	75 - 120	0	21
Ethylbenzene	30.0	26.4		ug/Kg		88	78 - 126	0	23
1,1,1,2-Tetrachloroethane	30.0	27.9		ug/Kg		93	72 - 123	0	20
1,1,2,2-Tetrachloroethane	30.0	30.1		ug/Kg		100	73 - 125	5	22
m-Xylene & p-Xylene	30.0	26.9		ug/Kg		90	78 - 126	1	23
o-Xylene	30.0	27.3		ug/Kg		91	77 - 127	0	22
Styrene	30.0	27.8		ug/Kg		93	79 - 127	1	21
Bromoform	30.0	29.5		ug/Kg		98	50 - 124	1	25
Isopropylbenzene	30.0	27.3		ug/Kg		91	79 - 127	1	20
Bromobenzene	30.0	27.7		ug/Kg		92	80 - 120	6	19
N-Propylbenzene	30.0	26.7		ug/Kg		89	81 - 127	4	20
1,2,3-Trichloropropane	30.0	30.1		ug/Kg		100	77 - 123	8	23
2-Chlorotoluene	30.0	26.7		ug/Kg		89	79 - 122	3	18
1,3,5-Trimethylbenzene	30.0	27.0		ug/Kg		90	80 - 125	3	18
4-Chlorotoluene	30.0	27.4		ug/Kg		91	80 - 122	5	18
tert-Butylbenzene	30.0	27.2		ug/Kg		91	71 - 136	4	27
1,2,4-Trimethylbenzene	30.0	27.2		ug/Kg		91	79 - 124	3	18

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 580-160765/3-A

Matrix: Solid

Analysis Batch: 160763

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 160765

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
sec-Butylbenzene	30.0	26.7		ug/Kg		89	78 - 128	2	17
1,3-Dichlorobenzene	30.0	26.9		ug/Kg		90	79 - 119	2	17
4-Isopropyltoluene	30.0	26.5		ug/Kg		88	78 - 126	1	18
1,4-Dichlorobenzene	30.0	27.2		ug/Kg		91	79 - 117	2	18
n-Butylbenzene	30.0	26.8		ug/Kg		89	78 - 128	0	17
1,2-Dichlorobenzene	30.0	27.4		ug/Kg		91	79 - 117	0	17
1,2-Dibromo-3-Chloropropane	30.0	32.2		ug/Kg		107	53 - 132	5	27
1,2,4-Trichlorobenzene	30.0	28.9		ug/Kg		96	61 - 130	1	22
1,2,3-Trichlorobenzene	30.0	30.2		ug/Kg		101	61 - 130	3	23
Hexachlorobutadiene	30.0	27.3		ug/Kg		91	68 - 134	1	21
Naphthalene	30.0	29.0		ug/Kg		97	14 - 170	8	50
Methyl tert-butyl ether	30.0	29.6		ug/Kg		99	65 - 125	2	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	99		80 - 120
4-Bromofluorobenzene (Surr)	101		70 - 120
Dibromofluoromethane (Surr)	102		75 - 132
Trifluorotoluene (Surr)	91		65 - 140
1,2-Dichloroethane-d4 (Surr)	103		71 - 136

Lab Sample ID: MB 580-160925/1-A

Matrix: Solid

Analysis Batch: 160872

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 160925

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.0		ug/Kg		06/11/14 20:50	06/11/14 22:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		80 - 120	06/11/14 20:50	06/11/14 22:20	1
4-Bromofluorobenzene (Surr)	100		70 - 120	06/11/14 20:50	06/11/14 22:20	1
Dibromofluoromethane (Surr)	105		75 - 132	06/11/14 20:50	06/11/14 22:20	1
Trifluorotoluene (Surr)	102		65 - 140	06/11/14 20:50	06/11/14 22:20	1
1,2-Dichloroethane-d4 (Surr)	105		71 - 136	06/11/14 20:50	06/11/14 22:20	1

Lab Sample ID: LCS 580-160925/2-A

Matrix: Solid

Analysis Batch: 160872

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 160925

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Naphthalene	30.0	29.2		ug/Kg		97	14 - 170

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	100		80 - 120
4-Bromofluorobenzene (Surr)	100		70 - 120
Dibromofluoromethane (Surr)	102		75 - 132
Trifluorotoluene (Surr)	103		65 - 140
1,2-Dichloroethane-d4 (Surr)	101		71 - 136

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 580-160925/3-A

Matrix: Solid

Analysis Batch: 160872

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 160925

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Naphthalene	30.0	31.8		ug/Kg		106	14 - 170	9	50

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	99		80 - 120
4-Bromofluorobenzene (Surr)	101		70 - 120
Dibromofluoromethane (Surr)	101		75 - 132
Trifluorotoluene (Surr)	105		65 - 140
1,2-Dichloroethane-d4 (Surr)	101		71 - 136

Lab Sample ID: MB 580-161353/1-A

Matrix: Solid

Analysis Batch: 161351

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 161353

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		16		ug/Kg		06/17/14 03:44	06/17/14 04:05	1
Toluene	ND		40		ug/Kg		06/17/14 03:44	06/17/14 04:05	1
Ethylbenzene	ND		40		ug/Kg		06/17/14 03:44	06/17/14 04:05	1
m-Xylene & p-Xylene	ND		40		ug/Kg		06/17/14 03:44	06/17/14 04:05	1
o-Xylene	ND		40		ug/Kg		06/17/14 03:44	06/17/14 04:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120	06/17/14 03:44	06/17/14 04:05	1
4-Bromofluorobenzene (Surr)	101		70 - 120	06/17/14 03:44	06/17/14 04:05	1
Dibromofluoromethane (Surr)	94		75 - 132	06/17/14 03:44	06/17/14 04:05	1
Trifluorotoluene (Surr)	102		65 - 140	06/17/14 03:44	06/17/14 04:05	1
1,2-Dichloroethane-d4 (Surr)	95		71 - 136	06/17/14 03:44	06/17/14 04:05	1

Lab Sample ID: LCS 580-161353/2-A

Matrix: Solid

Analysis Batch: 161351

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 161353

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	800	822		ug/Kg		103	70 - 128
Toluene	800	818		ug/Kg		102	75 - 126
Ethylbenzene	800	858		ug/Kg		107	78 - 126
m-Xylene & p-Xylene	800	855		ug/Kg		107	78 - 126
o-Xylene	800	914		ug/Kg		114	77 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	99		80 - 120
4-Bromofluorobenzene (Surr)	105		70 - 120
Dibromofluoromethane (Surr)	95		75 - 132
Trifluorotoluene (Surr)	94		65 - 140
1,2-Dichloroethane-d4 (Surr)	99		71 - 136

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 580-161353/3-A

Matrix: Solid

Analysis Batch: 161351

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 161353

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	800	768		ug/Kg		96	70 - 128	7	19
Toluene	800	733		ug/Kg		92	75 - 126	11	19
Ethylbenzene	800	780		ug/Kg		97	78 - 126	10	23
m-Xylene & p-Xylene	800	770		ug/Kg		96	78 - 126	10	23
o-Xylene	800	818		ug/Kg		102	77 - 127	11	22

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	97		80 - 120
4-Bromofluorobenzene (Surr)	103		70 - 120
Dibromofluoromethane (Surr)	97		75 - 132
Trifluorotoluene (Surr)	86		65 - 140
1,2-Dichloroethane-d4 (Surr)	99		71 - 136

Lab Sample ID: MB 580-161361/1-A

Matrix: Solid

Analysis Batch: 161489

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 161361

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		16		ug/Kg		06/17/14 08:29	06/17/14 15:33	1
Toluene	ND		40		ug/Kg		06/17/14 08:29	06/17/14 15:33	1
Ethylbenzene	ND		40		ug/Kg		06/17/14 08:29	06/17/14 15:33	1
m-Xylene & p-Xylene	ND		40		ug/Kg		06/17/14 08:29	06/17/14 15:33	1
o-Xylene	ND		40		ug/Kg		06/17/14 08:29	06/17/14 15:33	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120	06/17/14 08:29	06/17/14 15:33	1
4-Bromofluorobenzene (Surr)	101		70 - 120	06/17/14 08:29	06/17/14 15:33	1
Dibromofluoromethane (Surr)	95		75 - 132	06/17/14 08:29	06/17/14 15:33	1
Trifluorotoluene (Surr)	104		65 - 140	06/17/14 08:29	06/17/14 15:33	1
1,2-Dichloroethane-d4 (Surr)	99		71 - 136	06/17/14 08:29	06/17/14 15:33	1

Lab Sample ID: LCS 580-161361/2-A

Matrix: Solid

Analysis Batch: 161489

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 161361

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	800	821		ug/Kg		103	70 - 128
Toluene	800	824		ug/Kg		103	75 - 126
Ethylbenzene	800	834		ug/Kg		104	78 - 126
m-Xylene & p-Xylene	800	848		ug/Kg		106	78 - 126
o-Xylene	800	895		ug/Kg		112	77 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	100		80 - 120
4-Bromofluorobenzene (Surr)	103		70 - 120
Dibromofluoromethane (Surr)	96		75 - 132
Trifluorotoluene (Surr)	93		65 - 140

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 580-161361/2-A

Matrix: Solid

Analysis Batch: 161489

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 161361

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		71 - 136

Lab Sample ID: LCSD 580-161361/3-A

Matrix: Solid

Analysis Batch: 161489

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 161361

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	800	846		ug/Kg		106	70 - 128	3	19
Toluene	800	833		ug/Kg		104	75 - 126	1	19
Ethylbenzene	800	852		ug/Kg		106	78 - 126	2	23
m-Xylene & p-Xylene	800	862		ug/Kg		108	78 - 126	2	23
o-Xylene	800	915		ug/Kg		114	77 - 127	2	22

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	100		80 - 120
4-Bromofluorobenzene (Surr)	107		70 - 120
Dibromofluoromethane (Surr)	99		75 - 132
Trifluorotoluene (Surr)	94		65 - 140
1,2-Dichloroethane-d4 (Surr)	104		71 - 136

Lab Sample ID: MB 580-161410/1-A

Matrix: Solid

Analysis Batch: 161459

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 161410

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Chloromethane	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Vinyl chloride	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Bromomethane	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Chloroethane	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Trichlorofluoromethane	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,1-Dichloroethene	ND		5.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Methylene Chloride	ND		15		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,1-Dichloroethane	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
2,2-Dichloropropane	ND		5.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Chlorobromomethane	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Chloroform	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Carbon tetrachloride	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,1-Dichloropropene	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Benzene	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,2-Dichloroethane	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Trichloroethene	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,2-Dichloropropane	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Dibromomethane	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Dichlorobromomethane	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 580-161410/1-A

Matrix: Solid

Analysis Batch: 161459

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 161410

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Toluene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
trans-1,3-Dichloropropene	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,1,2-Trichloroethane	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Tetrachloroethene	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,3-Dichloropropane	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Chlorodibromomethane	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Ethylene Dibromide	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Chlorobenzene	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Ethylbenzene	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
m-Xylene & p-Xylene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
o-Xylene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Styrene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Bromoform	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Isopropylbenzene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Bromobenzene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
N-Propylbenzene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,2,3-Trichloropropane	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
2-Chlorotoluene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,3,5-Trimethylbenzene	ND		5.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
4-Chlorotoluene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
tert-Butylbenzene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
sec-Butylbenzene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,3-Dichlorobenzene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
4-Isopropyltoluene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
n-Butylbenzene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,2-Dichlorobenzene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Hexachlorobutadiene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Naphthalene	ND		5.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Methyl tert-butyl ether	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		80 - 120	06/17/14 12:42	06/17/14 19:00	1
4-Bromofluorobenzene (Surr)	101		70 - 120	06/17/14 12:42	06/17/14 19:00	1
Dibromofluoromethane (Surr)	102		75 - 132	06/17/14 12:42	06/17/14 19:00	1
Trifluorotoluene (Surr)	102		65 - 140	06/17/14 12:42	06/17/14 19:00	1
1,2-Dichloroethane-d4 (Surr)	112		71 - 136	06/17/14 12:42	06/17/14 19:00	1

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 580-161410/2-A

Matrix: Solid

Analysis Batch: 161459

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 161410

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	30.0	26.8		ug/Kg		89	38 - 150
Chloromethane	30.0	28.3		ug/Kg		94	55 - 136
Vinyl chloride	30.0	27.2		ug/Kg		91	67 - 131
Bromomethane	30.0	33.7		ug/Kg		112	57 - 148
Chloroethane	30.0	32.8		ug/Kg		109	48 - 167
Trichlorofluoromethane	30.0	32.8		ug/Kg		109	47 - 165
1,1-Dichloroethene	30.0	31.5		ug/Kg		105	70 - 133
Methylene Chloride	30.0	37.4		ug/Kg		125	57 - 146
trans-1,2-Dichloroethene	30.0	29.4		ug/Kg		98	76 - 131
1,1-Dichloroethane	30.0	32.3		ug/Kg		108	70 - 128
2,2-Dichloropropane	30.0	31.9		ug/Kg		106	56 - 144
cis-1,2-Dichloroethene	30.0	31.9		ug/Kg		106	70 - 130
Chlorobromomethane	30.0	31.9		ug/Kg		106	78 - 123
Chloroform	30.0	33.8		ug/Kg		113	78 - 125
1,1,1-Trichloroethane	30.0	31.3		ug/Kg		104	63 - 135
Carbon tetrachloride	30.0	29.4		ug/Kg		98	59 - 145
1,1-Dichloropropene	30.0	32.9		ug/Kg		110	77 - 125
Benzene	30.0	32.3		ug/Kg		108	70 - 128
1,2-Dichloroethane	30.0	35.4		ug/Kg		118	71 - 128
Trichloroethene	30.0	32.2		ug/Kg		107	83 - 124
1,2-Dichloropropane	30.0	35.7		ug/Kg		119	76 - 161
Dibromomethane	30.0	34.6		ug/Kg		115	78 - 126
Dichlorobromomethane	30.0	36.3		ug/Kg		121	58 - 133
cis-1,3-Dichloropropene	30.0	29.9		ug/Kg		100	69 - 129
Toluene	30.0	29.2		ug/Kg		97	75 - 126
trans-1,3-Dichloropropene	30.0	29.8		ug/Kg		99	72 - 129
1,1,2-Trichloroethane	30.0	30.3		ug/Kg		101	77 - 124
Tetrachloroethene	30.0	27.2		ug/Kg		91	56 - 155
1,3-Dichloropropane	30.0	29.9		ug/Kg		100	77 - 123
Chlorodibromomethane	30.0	31.9		ug/Kg		106	42 - 129
Ethylene Dibromide	30.0	31.4		ug/Kg		105	69 - 126
Chlorobenzene	30.0	30.8		ug/Kg		103	75 - 120
Ethylbenzene	30.0	31.6		ug/Kg		105	78 - 126
1,1,1,2-Tetrachloroethane	30.0	31.4		ug/Kg		105	72 - 123
1,1,2,2-Tetrachloroethane	30.0	28.8		ug/Kg		96	73 - 125
m-Xylene & p-Xylene	30.0	33.2		ug/Kg		111	78 - 126
o-Xylene	30.0	32.5		ug/Kg		108	77 - 127
Styrene	30.0	30.3		ug/Kg		101	79 - 127
Bromoform	30.0	29.1		ug/Kg		97	50 - 124
Isopropylbenzene	30.0	29.6		ug/Kg		99	79 - 127
Bromobenzene	30.0	31.9		ug/Kg		106	80 - 120
N-Propylbenzene	30.0	32.8		ug/Kg		109	81 - 127
1,2,3-Trichloropropane	30.0	28.4		ug/Kg		95	77 - 123
2-Chlorotoluene	30.0	32.6		ug/Kg		109	79 - 122
1,3,5-Trimethylbenzene	30.0	33.0		ug/Kg		110	80 - 125
4-Chlorotoluene	30.0	33.6		ug/Kg		112	80 - 122
tert-Butylbenzene	30.0	34.0		ug/Kg		113	71 - 136
1,2,4-Trimethylbenzene	30.0	33.2		ug/Kg		111	79 - 124

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 580-161410/2-A

Matrix: Solid

Analysis Batch: 161459

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 161410

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
sec-Butylbenzene	30.0	32.5		ug/Kg		108	78 - 128
1,3-Dichlorobenzene	30.0	31.3		ug/Kg		104	79 - 119
4-Isopropyltoluene	30.0	31.3		ug/Kg		104	78 - 126
1,4-Dichlorobenzene	30.0	31.4		ug/Kg		105	79 - 117
n-Butylbenzene	30.0	33.7		ug/Kg		112	78 - 128
1,2-Dichlorobenzene	30.0	32.2		ug/Kg		107	79 - 117
1,2-Dibromo-3-Chloropropane	30.0	23.5		ug/Kg		78	53 - 132
1,2,4-Trichlorobenzene	30.0	32.2		ug/Kg		107	61 - 130
1,2,3-Trichlorobenzene	30.0	30.2		ug/Kg		101	61 - 130
Hexachlorobutadiene	30.0	35.9		ug/Kg		120	68 - 134
Naphthalene	30.0	26.7		ug/Kg		89	14 - 170
Methyl tert-butyl ether	30.0	30.2		ug/Kg		101	65 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	91		80 - 120
4-Bromofluorobenzene (Surr)	106		70 - 120
Dibromofluoromethane (Surr)	103		75 - 132
Trifluorotoluene (Surr)	97		65 - 140
1,2-Dichloroethane-d4 (Surr)	111		71 - 136

Lab Sample ID: LCSD 580-161410/3-A

Matrix: Solid

Analysis Batch: 161459

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 161410

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dichlorodifluoromethane	30.0	23.6		ug/Kg		79	38 - 150	13	26
Chloromethane	30.0	26.1		ug/Kg		87	55 - 136	8	26
Vinyl chloride	30.0	22.9		ug/Kg		76	67 - 131	17	22
Bromomethane	30.0	28.5		ug/Kg		95	57 - 148	17	29
Chloroethane	30.0	28.8		ug/Kg		96	48 - 167	13	53
Trichlorofluoromethane	30.0	28.4		ug/Kg		95	47 - 165	14	54
1,1-Dichloroethene	30.0	27.7		ug/Kg		92	70 - 133	13	23
Methylene Chloride	30.0	33.9		ug/Kg		113	57 - 146	10	21
trans-1,2-Dichloroethene	30.0	29.0		ug/Kg		97	76 - 131	1	18
1,1-Dichloroethane	30.0	31.6		ug/Kg		105	70 - 128	2	21
2,2-Dichloropropane	30.0	28.2		ug/Kg		94	56 - 144	12	21
cis-1,2-Dichloroethene	30.0	29.1		ug/Kg		97	70 - 130	9	19
Chlorobromomethane	30.0	30.1		ug/Kg		100	78 - 123	6	19
Chloroform	30.0	31.1		ug/Kg		104	78 - 125	8	17
1,1,1-Trichloroethane	30.0	29.6		ug/Kg		99	63 - 135	5	20
Carbon tetrachloride	30.0	26.8		ug/Kg		89	59 - 145	9	19
1,1-Dichloropropene	30.0	32.5		ug/Kg		108	77 - 125	1	16
Benzene	30.0	32.3		ug/Kg		108	70 - 128	0	19
1,2-Dichloroethane	30.0	35.0		ug/Kg		117	71 - 128	1	18
Trichloroethene	30.0	31.9		ug/Kg		106	83 - 124	1	17
1,2-Dichloropropane	30.0	36.8		ug/Kg		123	76 - 161	3	15
Dibromomethane	30.0	34.4		ug/Kg		115	78 - 126	1	18
Dichlorobromomethane	30.0	35.7		ug/Kg		119	58 - 133	2	19

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 580-161410/3-A

Matrix: Solid

Analysis Batch: 161459

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 161410

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	30.0	38.4	*	ug/Kg		128	69 - 129	25	19
Toluene	30.0	35.4		ug/Kg		118	75 - 126	19	19
trans-1,3-Dichloropropene	30.0	35.9		ug/Kg		120	72 - 129	18	20
1,1,2-Trichloroethane	30.0	36.4		ug/Kg		121	77 - 124	18	18
Tetrachloroethene	30.0	28.0		ug/Kg		93	56 - 155	3	27
1,3-Dichloropropane	30.0	36.2		ug/Kg		121	77 - 123	19	19
Chlorodibromomethane	30.0	37.0		ug/Kg		123	42 - 129	15	23
Ethylene Dibromide	30.0	33.4		ug/Kg		111	69 - 126	6	21
Chlorobenzene	30.0	31.1		ug/Kg		104	75 - 120	1	21
Ethylbenzene	30.0	31.5		ug/Kg		105	78 - 126	0	23
1,1,1,2-Tetrachloroethane	30.0	32.8		ug/Kg		109	72 - 123	4	20
1,1,2,2-Tetrachloroethane	30.0	31.2		ug/Kg		104	73 - 125	8	22
m-Xylene & p-Xylene	30.0	33.8		ug/Kg		113	78 - 126	2	23
o-Xylene	30.0	34.1		ug/Kg		114	77 - 127	5	22
Styrene	30.0	31.6		ug/Kg		105	79 - 127	4	21
Bromoform	30.0	28.2		ug/Kg		94	50 - 124	3	25
Isopropylbenzene	30.0	33.0		ug/Kg		110	79 - 127	11	20
Bromobenzene	30.0	31.6		ug/Kg		105	80 - 120	1	19
N-Propylbenzene	30.0	32.6		ug/Kg		109	81 - 127	1	20
1,2,3-Trichloropropane	30.0	28.1		ug/Kg		94	77 - 123	1	23
2-Chlorotoluene	30.0	32.7		ug/Kg		109	79 - 122	0	18
1,3,5-Trimethylbenzene	30.0	32.7		ug/Kg		109	80 - 125	1	18
4-Chlorotoluene	30.0	33.2		ug/Kg		111	80 - 122	1	18
tert-Butylbenzene	30.0	34.7		ug/Kg		116	71 - 136	2	27
1,2,4-Trimethylbenzene	30.0	33.3		ug/Kg		111	79 - 124	0	18
sec-Butylbenzene	30.0	32.6		ug/Kg		109	78 - 128	0	17
1,3-Dichlorobenzene	30.0	31.3		ug/Kg		104	79 - 119	0	17
4-Isopropyltoluene	30.0	30.8		ug/Kg		103	78 - 126	1	18
1,4-Dichlorobenzene	30.0	31.1		ug/Kg		104	79 - 117	1	18
n-Butylbenzene	30.0	33.5		ug/Kg		112	78 - 128	1	17
1,2-Dichlorobenzene	30.0	32.1		ug/Kg		107	79 - 117	0	17
1,2-Dibromo-3-Chloropropane	30.0	24.3		ug/Kg		81	53 - 132	3	27
1,2,4-Trichlorobenzene	30.0	33.9		ug/Kg		113	61 - 130	5	22
1,2,3-Trichlorobenzene	30.0	32.0		ug/Kg		107	61 - 130	6	23
Hexachlorobutadiene	30.0	36.5		ug/Kg		122	68 - 134	2	21
Naphthalene	30.0	28.7		ug/Kg		96	14 - 170	7	50
Methyl tert-butyl ether	30.0	30.6		ug/Kg		102	65 - 125	1	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	109		80 - 120
4-Bromofluorobenzene (Surr)	104		70 - 120
Dibromofluoromethane (Surr)	96		75 - 132
Trifluorotoluene (Surr)	96		65 - 140
1,2-Dichloroethane-d4 (Surr)	107		71 - 136

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 580-160663/1-A

Matrix: Solid

Analysis Batch: 160851

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 160663

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		20		ug/Kg		06/09/14 11:22	06/11/14 14:11	1
Chrysene	ND		25		ug/Kg		06/09/14 11:22	06/11/14 14:11	1
Benzo[a]pyrene	ND		30		ug/Kg		06/09/14 11:22	06/11/14 14:11	1
Indeno[1,2,3-cd]pyrene	ND		40		ug/Kg		06/09/14 11:22	06/11/14 14:11	1
Dibenz(a,h)anthracene	ND		40		ug/Kg		06/09/14 11:22	06/11/14 14:11	1
Benzo[b]fluoranthene	ND		20		ug/Kg		06/09/14 11:22	06/11/14 14:11	1
Benzo[k]fluoranthene	ND		25		ug/Kg		06/09/14 11:22	06/11/14 14:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	102		42 - 151	06/09/14 11:22	06/11/14 14:11	1

Lab Sample ID: LCS 580-160663/2-A

Matrix: Solid

Analysis Batch: 160851

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 160663

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]anthracene	1000	977		ug/Kg		98	64 - 124
Chrysene	1000	913		ug/Kg		91	71 - 126
Benzo[a]pyrene	1000	1100		ug/Kg		110	68 - 128
Indeno[1,2,3-cd]pyrene	1000	1040		ug/Kg		104	59 - 139
Dibenz(a,h)anthracene	1000	1020		ug/Kg		102	57 - 142
Benzo[b]fluoranthene	1000	1180		ug/Kg		118	66 - 136
Benzo[k]fluoranthene	1000	989		ug/Kg		99	63 - 143

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Terphenyl-d14	102		42 - 151

Lab Sample ID: LCSD 580-160663/3-A

Matrix: Solid

Analysis Batch: 160851

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 160663

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzo[a]anthracene	1000	1000		ug/Kg		100	64 - 124	3	27
Chrysene	1000	915		ug/Kg		91	71 - 126	0	26
Benzo[a]pyrene	1000	1150		ug/Kg		115	68 - 128	4	30
Indeno[1,2,3-cd]pyrene	1000	1060		ug/Kg		106	59 - 139	2	29
Dibenz(a,h)anthracene	1000	1060		ug/Kg		106	57 - 142	4	30
Benzo[b]fluoranthene	1000	1170		ug/Kg		117	66 - 136	1	31
Benzo[k]fluoranthene	1000	1080		ug/Kg		108	63 - 143	9	31

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Terphenyl-d14	104		42 - 151

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 580-161360/1-A

Matrix: Solid

Analysis Batch: 162008

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 161360

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		20		ug/Kg		06/17/14 08:24	06/24/14 15:17	1
Chrysene	ND		25		ug/Kg		06/17/14 08:24	06/24/14 15:17	1
Benzo[a]pyrene	ND		30		ug/Kg		06/17/14 08:24	06/24/14 15:17	1
Indeno[1,2,3-cd]pyrene	ND		40		ug/Kg		06/17/14 08:24	06/24/14 15:17	1
Dibenz(a,h)anthracene	ND		40		ug/Kg		06/17/14 08:24	06/24/14 15:17	1
Benzo[b]fluoranthene	ND		20		ug/Kg		06/17/14 08:24	06/24/14 15:17	1
Benzo[k]fluoranthene	ND		25		ug/Kg		06/17/14 08:24	06/24/14 15:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	117		42 - 151	06/17/14 08:24	06/24/14 15:17	1

Lab Sample ID: LCS 580-161360/2-A

Matrix: Solid

Analysis Batch: 162008

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 161360

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]anthracene	1000	1040		ug/Kg		104	64 - 124
Chrysene	1000	999		ug/Kg		100	71 - 126
Benzo[a]pyrene	1000	1190		ug/Kg		119	68 - 128
Indeno[1,2,3-cd]pyrene	1000	804		ug/Kg		80	59 - 139
Dibenz(a,h)anthracene	1000	777		ug/Kg		78	57 - 142
Benzo[b]fluoranthene	1000	1160		ug/Kg		116	66 - 136
Benzo[k]fluoranthene	1000	1110		ug/Kg		111	63 - 143

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Terphenyl-d14	106		42 - 151

Lab Sample ID: LCSD 580-161360/3-A

Matrix: Solid

Analysis Batch: 162008

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 161360

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzo[a]anthracene	1000	958		ug/Kg		96	64 - 124	9	27
Chrysene	1000	1010		ug/Kg		101	71 - 126	1	26
Benzo[a]pyrene	1000	1120		ug/Kg		112	68 - 128	6	30
Indeno[1,2,3-cd]pyrene	1000	755		ug/Kg		76	59 - 139	6	29
Dibenz(a,h)anthracene	1000	690		ug/Kg		69	57 - 142	12	30
Benzo[b]fluoranthene	1000	1150		ug/Kg		115	66 - 136	1	31
Benzo[k]fluoranthene	1000	1130		ug/Kg		113	63 - 143	2	31

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Terphenyl-d14	101		42 - 151

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 580-43867-2 MS

Matrix: Solid

Analysis Batch: 162008

Client Sample ID: E8-3.5-060314

Prep Type: Total/NA

Prep Batch: 161360

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]anthracene	ND		1090	1070		ug/Kg	☼	99	75 - 125
Chrysene	ND		1090	969		ug/Kg	☼	89	75 - 125
Benzo[a]pyrene	ND		1090	1260		ug/Kg	☼	116	75 - 125
Indeno[1,2,3-cd]pyrene	ND		1090	449	F1	ug/Kg	☼	41	75 - 125
Dibenz(a,h)anthracene	ND		1090	423	F1	ug/Kg	☼	39	75 - 125
Benzo[b]fluoranthene	ND		1090	1510	F1	ug/Kg	☼	138	75 - 125
Benzo[k]fluoranthene	ND		1090	1420	F1	ug/Kg	☼	130	75 - 125

Surrogate	MS %Recovery	MS Qualifier	Limits
Terphenyl-d14	105		42 - 151

Lab Sample ID: 580-43867-2 MSD

Matrix: Solid

Analysis Batch: 162298

Client Sample ID: E8-3.5-060314

Prep Type: Total/NA

Prep Batch: 161360

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzo[a]anthracene	ND		1110	1100		ug/Kg	☼	99	75 - 125	2	27
Chrysene	ND		1110	1010		ug/Kg	☼	91	75 - 125	4	26
Benzo[a]pyrene	ND		1110	1240		ug/Kg	☼	112	75 - 125	2	30
Indeno[1,2,3-cd]pyrene	ND		1110	1100	F2	ug/Kg	☼	100	75 - 125	84	29
Dibenz(a,h)anthracene	ND		1110	1100	F2	ug/Kg	☼	99	75 - 125	89	30
Benzo[b]fluoranthene	ND		1110	1320		ug/Kg	☼	119	75 - 125	13	31
Benzo[k]fluoranthene	ND		1110	1080		ug/Kg	☼	98	75 - 125	27	31

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Terphenyl-d14	99		42 - 151

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Lab Sample ID: MB 580-161347/1-A

Matrix: Solid

Analysis Batch: 161399

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 161347

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		4.0		mg/Kg		06/16/14 19:18	06/17/14 14:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		50 - 150	06/16/14 19:18	06/17/14 14:12	1

Lab Sample ID: LCS 580-161347/2-A

Matrix: Solid

Analysis Batch: 161399

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 161347

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline	32.0	32.8		mg/Kg		102	68 - 120

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC) (Continued)

Lab Sample ID: LCS 580-161347/2-A

Matrix: Solid

Analysis Batch: 161399

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 161347

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		50 - 150

Lab Sample ID: LCSD 580-161347/3-A

Matrix: Solid

Analysis Batch: 161399

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 161347

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	32.0	34.9		mg/Kg		109	68 - 120	6	25

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		50 - 150

Lab Sample ID: MB 580-161415/1-A

Matrix: Solid

Analysis Batch: 161478

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 161415

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		4.0		mg/Kg		06/17/14 12:58	06/18/14 07:03	1

	MB	MB		Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits			
4-Bromofluorobenzene (Surr)	97		50 - 150	06/17/14 12:58	06/18/14 07:03	1

Lab Sample ID: LCS 580-161415/2-A

Matrix: Solid

Analysis Batch: 161478

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 161415

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline	32.0	35.5		mg/Kg		111	68 - 120

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		50 - 150

Lab Sample ID: LCSD 580-161415/3-A

Matrix: Solid

Analysis Batch: 161478

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 161415

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	32.0	34.1		mg/Kg		107	68 - 120	4	25

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		50 - 150

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 580-160903/1-A

Matrix: Solid

Analysis Batch: 161072

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 160903

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		25		mg/Kg		06/11/14 15:29	06/13/14 19:03	1
Motor Oil (>C24-C36)	ND		50		mg/Kg		06/11/14 15:29	06/13/14 19:03	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	77		50 - 150				06/11/14 15:29	06/13/14 19:03	1

Lab Sample ID: LCS 580-160903/2-A

Matrix: Solid

Analysis Batch: 161072

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 160903

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
#2 Diesel (C10-C24)	500	412		mg/Kg		82	70 - 125
Motor Oil (>C24-C36)	502	451		mg/Kg		90	64 - 127
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
o-Terphenyl	82		50 - 150				

Lab Sample ID: LCSD 580-160903/3-A

Matrix: Solid

Analysis Batch: 161072

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 160903

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
#2 Diesel (C10-C24)	500	429		mg/Kg		86	70 - 125	4	16
Motor Oil (>C24-C36)	502	474		mg/Kg		94	64 - 127	5	17
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
o-Terphenyl	84		50 - 150						

Lab Sample ID: 580-43867-5 DU

Matrix: Solid

Analysis Batch: 161072

Client Sample ID: TP-7-CEN-E-1.5-060314

Prep Type: Total/NA

Prep Batch: 160903

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
#2 Diesel (C10-C24)	1200	Y	1630		mg/Kg	☼	30	35
Motor Oil (>C24-C36)	7600		10900	F3	mg/Kg	☼	36	35
Surrogate	DU %Recovery	DU Qualifier	Limits					
o-Terphenyl	83		50 - 150					

Lab Sample ID: MB 580-161463/1-A

Matrix: Solid

Analysis Batch: 161498

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 161463

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		25		mg/Kg		06/17/14 16:43	06/18/14 21:09	1
Motor Oil (>C24-C36)	ND		50		mg/Kg		06/17/14 16:43	06/18/14 21:09	1

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued)

Lab Sample ID: MB 580-161463/1-A

Matrix: Solid

Analysis Batch: 161498

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 161463

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	83		50 - 150	06/17/14 16:43	06/18/14 21:09	1

Lab Sample ID: LCS 580-161463/2-A

Matrix: Solid

Analysis Batch: 161498

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 161463

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
#2 Diesel (C10-C24)	500	436		mg/Kg		87	70 - 125
Motor Oil (>C24-C36)	502	509		mg/Kg		101	64 - 127
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
o-Terphenyl	99		50 - 150				

Lab Sample ID: LCSD 580-161463/3-A

Matrix: Solid

Analysis Batch: 161498

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 161463

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	500	434		mg/Kg		87	70 - 125	1	16
Motor Oil (>C24-C36)	502	526		mg/Kg		105	64 - 127	3	17
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
o-Terphenyl	82		50 - 150						

Lab Sample ID: 580-43867-1 DU

Matrix: Solid

Analysis Batch: 161498

Client Sample ID: E8-2.5-060314

Prep Type: Total/NA

Prep Batch: 161463

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
#2 Diesel (C10-C24)	2900	Y	3080		mg/Kg	✖	5	35
Surrogate	DU %Recovery	DU Qualifier	Limits					
o-Terphenyl	69		50 - 150					

Lab Sample ID: MB 580-161470/1-A

Matrix: Solid

Analysis Batch: 161794

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 161470

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		25		mg/Kg		06/17/14 17:32	06/20/14 18:01	1
Motor Oil (>C24-C36)	ND		50		mg/Kg		06/17/14 17:32	06/20/14 18:01	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	76		50 - 150				06/17/14 17:32	06/20/14 18:01	1

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued)

Lab Sample ID: LCS 580-161470/2-A

Matrix: Solid

Analysis Batch: 161794

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 161470

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
#2 Diesel (C10-C24)	500	459		mg/Kg		92	70 - 125
Motor Oil (>C24-C36)	502	505		mg/Kg		101	64 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	93		50 - 150

Lab Sample ID: LCSD 580-161470/3-A

Matrix: Solid

Analysis Batch: 161794

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 161470

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	500	459		mg/Kg		92	70 - 125	0	16
Motor Oil (>C24-C36)	502	500		mg/Kg		100	64 - 127	1	17

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
o-Terphenyl	89		50 - 150

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) - DL

Lab Sample ID: 580-43867-1 DU

Matrix: Solid

Analysis Batch: 161613

Client Sample ID: E8-2.5-060314

Prep Type: Total/NA

Prep Batch: 161463

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Motor Oil (>C24-C36) - DL	53000	Y	55100		mg/Kg	☼	4	35

Surrogate	DU %Recovery	DU Qualifier	Limits
o-Terphenyl - DL	76		50 - 150

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Lab Sample ID: MB 580-160641/1-A

Matrix: Solid

Analysis Batch: 160922

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 160641

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	ND		100		mg/Kg		06/09/14 08:23	06/12/14 00:06	1
Motor Oil	ND		100		mg/Kg		06/09/14 08:23	06/12/14 00:06	1
Gasoline	ND		20		mg/Kg		06/09/14 08:23	06/12/14 00:06	1
Gasoline	ND		20		mg/Kg		06/09/14 08:23	06/12/14 00:06	1
#2 Diesel (>C12-C24)	ND		50		mg/Kg		06/09/14 08:23	06/12/14 00:06	1
#2 Diesel (>C12-C24)	ND		50		mg/Kg		06/09/14 08:23	06/12/14 00:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	90		50 - 150	06/09/14 08:23	06/12/14 00:06	1
o-Terphenyl	90		50 - 150	06/09/14 08:23	06/12/14 00:06	1

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC) (Continued)

Lab Sample ID: MB 580-160641/1-A

Matrix: Solid

Analysis Batch: 160922

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 160641

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	68		50 - 150	06/09/14 08:23	06/12/14 00:06	1
4-Bromofluorobenzene (Surr)	68		50 - 150	06/09/14 08:23	06/12/14 00:06	1

Lab Sample ID: MB 580-160641/1-A

Matrix: Solid

Analysis Batch: 161082

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 160641

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	ND		100		mg/Kg		06/09/14 08:23	06/13/14 14:52	1
Gasoline	ND		20		mg/Kg		06/09/14 08:23	06/13/14 14:52	1
#2 Diesel (>C12-C24)	ND		50		mg/Kg		06/09/14 08:23	06/13/14 14:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	87		50 - 150	06/09/14 08:23	06/13/14 14:52	1
4-Bromofluorobenzene (Surr)	59		50 - 150	06/09/14 08:23	06/13/14 14:52	1

Lab Sample ID: 580-43867-A-5-B DU

Matrix: Solid

Analysis Batch: 160922

Client Sample ID: 580-43867-A-5-B DU

Prep Type: Total/NA

Prep Batch: 160641

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Motor Oil	8400		7200		mg/Kg	☼	15	35
Gasoline	ND		ND		mg/Kg	☼	NC	35
#2 Diesel (>C12-C24)	1200		1640		mg/Kg	☼	31	35

Surrogate	DU %Recovery	DU Qualifier	Limits
o-Terphenyl	71		50 - 150
4-Bromofluorobenzene (Surr)	51		50 - 150

Lab Sample ID: MB 580-160648/1-A

Matrix: Solid

Analysis Batch: 160772

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 160648

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	ND		100		mg/Kg		06/09/14 09:56	06/10/14 19:47	1
Gasoline	ND		20		mg/Kg		06/09/14 09:56	06/10/14 19:47	1
#2 Diesel (>C12-C24)	ND		50		mg/Kg		06/09/14 09:56	06/10/14 19:47	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	76		50 - 150	06/09/14 09:56	06/10/14 19:47	1
4-Bromofluorobenzene (Surr)	57		50 - 150	06/09/14 09:56	06/10/14 19:47	1

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC) (Continued)

Lab Sample ID: 580-43867-22 DU

Matrix: Solid

Analysis Batch: 160772

Client Sample ID: I9-5.0-060314

Prep Type: Total/NA

Prep Batch: 160648

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Motor Oil	1700	Y	1750		mg/Kg	☼	5	35
Gasoline	ND		36.3		mg/Kg	☼	NC	35
#2 Diesel (>C12-C24)	240	Y	293		mg/Kg	☼	20	35
Surrogate	%Recovery	DU Qualifier	DU	Limits				
o-Terphenyl	78			50 - 150				
4-Bromofluorobenzene (Surr)	85			50 - 150				

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 580-161540/22-A

Matrix: Solid

Analysis Batch: 161679

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 161540

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		3.0		mg/Kg		06/18/14 11:25	06/19/14 12:06	1
Cadmium	ND		1.0		mg/Kg		06/18/14 11:25	06/19/14 12:06	1
Chromium	ND		1.3		mg/Kg		06/18/14 11:25	06/19/14 12:06	1
Lead	ND		1.5		mg/Kg		06/18/14 11:25	06/19/14 12:06	1

Lab Sample ID: LCS 580-161540/23-A

Matrix: Solid

Analysis Batch: 161679

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 161540

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	200	186		mg/Kg		93	80 - 120
Cadmium	5.00	4.28		mg/Kg		86	80 - 120
Chromium	20.0	16.3		mg/Kg		81	80 - 120
Lead	50.0	44.6		mg/Kg		89	80 - 120

Lab Sample ID: LCSD 580-161540/24-A

Matrix: Solid

Analysis Batch: 161679

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 161540

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Arsenic	200	192		mg/Kg		96	80 - 120	3	20
Cadmium	5.00	4.39		mg/Kg		88	80 - 120	2	20
Chromium	20.0	16.7		mg/Kg		84	80 - 120	3	20
Lead	50.0	46.1		mg/Kg		92	80 - 120	3	20

Lab Sample ID: MB 580-161546/22-A

Matrix: Solid

Analysis Batch: 161753

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 161546

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		3.0		mg/Kg		06/18/14 11:58	06/19/14 13:45	1
Cadmium	ND		1.0		mg/Kg		06/18/14 11:58	06/19/14 13:45	1
Chromium	ND		1.3		mg/Kg		06/18/14 11:58	06/19/14 13:45	1

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MB 580-161546/22-A

Matrix: Solid

Analysis Batch: 161753

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 161546

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		1.5		mg/Kg		06/18/14 11:58	06/19/14 13:45	1

Lab Sample ID: LCS 580-161546/23-A

Matrix: Solid

Analysis Batch: 161753

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 161546

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	200	181		mg/Kg		91	80 - 120
Cadmium	5.00	5.15		mg/Kg		103	80 - 120
Chromium	20.0	16.1		mg/Kg		81	80 - 120
Lead	50.0	44.4		mg/Kg		89	80 - 120

Lab Sample ID: LCSD 580-161546/24-A

Matrix: Solid

Analysis Batch: 161753

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 161546

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	200	183		mg/Kg		92	80 - 120	1	20
Cadmium	5.00	5.25		mg/Kg		105	80 - 120	2	20
Chromium	20.0	16.3		mg/Kg		82	80 - 120	1	20
Lead	50.0	44.7		mg/Kg		89	80 - 120	0	20

Lab Sample ID: 580-43867-18 MS

Matrix: Solid

Analysis Batch: 161753

Client Sample ID: E9-5.0-060314

Prep Type: Total/NA

Prep Batch: 161546

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	2.9		178	167		mg/Kg	☼	92	80 - 120
Cadmium	ND		4.45	4.61		mg/Kg	☼	104	80 - 120
Chromium	24		17.8	38.2	F1	mg/Kg	☼	79	80 - 120
Lead	6.4		44.5	49.1		mg/Kg	☼	96	80 - 120

Lab Sample ID: 580-43867-18 MSD

Matrix: Solid

Analysis Batch: 161753

Client Sample ID: E9-5.0-060314

Prep Type: Total/NA

Prep Batch: 161546

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	2.9		186	171		mg/Kg	☼	90	80 - 120	2	20
Cadmium	ND		4.65	4.71		mg/Kg	☼	101	80 - 120	2	20
Chromium	24		18.6	35.0	F1	mg/Kg	☼	58	80 - 120	9	20
Lead	6.4		46.5	48.9		mg/Kg	☼	91	80 - 120	0	20

Lab Sample ID: 580-43867-18 DU

Matrix: Solid

Analysis Batch: 161753

Client Sample ID: E9-5.0-060314

Prep Type: Total/NA

Prep Batch: 161546

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	2.9		3.71		mg/Kg	☼	26	20
Cadmium	ND		ND		mg/Kg	☼	NC	20

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 580-43867-18 DU

Matrix: Solid

Analysis Batch: 161753

Client Sample ID: E9-5.0-060314

Prep Type: Total/NA

Prep Batch: 161546

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Chromium	24		21.6		mg/Kg	☼	11	20
Lead	6.4		7.74		mg/Kg	☼	20	20

Lab Sample ID: MB 580-161562/22-A

Matrix: Solid

Analysis Batch: 161719

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 161562

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		3.0		mg/Kg		06/18/14 13:38	06/19/14 15:24	1
Cadmium	ND		1.0		mg/Kg		06/18/14 13:38	06/19/14 15:24	1
Chromium	ND		1.3		mg/Kg		06/18/14 13:38	06/19/14 15:24	1
Lead	ND		1.5		mg/Kg		06/18/14 13:38	06/19/14 15:24	1

Lab Sample ID: LCS 580-161562/23-A

Matrix: Solid

Analysis Batch: 161719

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 161562

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	200	198		mg/Kg		99	80 - 120
Cadmium	5.00	5.73		mg/Kg		115	80 - 120
Chromium	20.0	17.3		mg/Kg		86	80 - 120
Lead	50.0	47.5		mg/Kg		95	80 - 120

Lab Sample ID: LCSD 580-161562/24-A

Matrix: Solid

Analysis Batch: 161719

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 161562

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Arsenic	200	200		mg/Kg		100	80 - 120	1	20
Cadmium	5.00	5.70		mg/Kg		114	80 - 120	1	20
Chromium	20.0	17.4		mg/Kg		87	80 - 120	1	20
Lead	50.0	47.7		mg/Kg		95	80 - 120	0	20

Lab Sample ID: 580-43867-40 MS

Matrix: Solid

Analysis Batch: 161719

Client Sample ID: D7-3.0-060314

Prep Type: Total/NA

Prep Batch: 161562

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	5.5		139	137		mg/Kg	☼	95	80 - 120
Cadmium	ND		3.47	3.83		mg/Kg	☼	110	80 - 120
Chromium	20		13.9	33.1		mg/Kg	☼	92	80 - 120
Lead	8.4		34.7	41.3		mg/Kg	☼	95	80 - 120

Lab Sample ID: 580-43867-40 MSD

Matrix: Solid

Analysis Batch: 161719

Client Sample ID: D7-3.0-060314

Prep Type: Total/NA

Prep Batch: 161562

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Arsenic	5.5		142	147		mg/Kg	☼	100	80 - 120	7	20

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 580-43867-40 MSD

Matrix: Solid

Analysis Batch: 161719

Client Sample ID: D7-3.0-060314

Prep Type: Total/NA

Prep Batch: 161562

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	ND		3.54	3.89		mg/Kg	✱	110	80 - 120	2	20
Chromium	20		14.2	44.2	F1 F2	mg/Kg	✱	168	80 - 120	29	20
Lead	8.4		35.4	44.4		mg/Kg	✱	102	80 - 120	7	20

Lab Sample ID: 580-43867-40 DU

Matrix: Solid

Analysis Batch: 161719

Client Sample ID: D7-3.0-060314

Prep Type: Total/NA

Prep Batch: 161562

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	5.5		4.31		mg/Kg	✱	24	20
Cadmium	ND		ND		mg/Kg	✱	NC	20
Chromium	20		19.1		mg/Kg	✱	6	20
Lead	8.4		12.8	F3	mg/Kg	✱	42	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 580-161402/21-A

Matrix: Solid

Analysis Batch: 161464

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 161402

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.017		mg/Kg		06/17/14 11:51	06/17/14 14:15	1

Lab Sample ID: LCS 580-161402/22-A

Matrix: Solid

Analysis Batch: 161464

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 161402

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.167	0.142		mg/Kg		85	80 - 120

Lab Sample ID: LCSD 580-161402/23-A

Matrix: Solid

Analysis Batch: 161464

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 161402

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.167	0.143		mg/Kg		86	80 - 120	0	20

Lab Sample ID: MB 580-161595/22-A

Matrix: Solid

Analysis Batch: 161699

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 161595

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.017		mg/Kg		06/18/14 18:00	06/19/14 09:22	1

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 580-161595/23-A

Matrix: Solid

Analysis Batch: 161699

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 161595

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.167	0.142		mg/Kg		85	80 - 120

Lab Sample ID: LCSD 580-161595/24-A

Matrix: Solid

Analysis Batch: 161699

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 161595

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.167	0.136		mg/Kg		82	80 - 120	4	20

Lab Sample ID: 580-43867-20 MS

Matrix: Solid

Analysis Batch: 161699

Client Sample ID: G9-5.0-060314

Prep Type: Total/NA

Prep Batch: 161595

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.029		0.173	0.265	F1	mg/Kg	✱	136	80 - 120

Lab Sample ID: 580-43867-20 MSD

Matrix: Solid

Analysis Batch: 161699

Client Sample ID: G9-5.0-060314

Prep Type: Total/NA

Prep Batch: 161595

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.029		0.156	0.230	F1	mg/Kg	✱	129	80 - 120	14	20

Lab Sample ID: 580-43867-20 DU

Matrix: Solid

Analysis Batch: 161699

Client Sample ID: G9-5.0-060314

Prep Type: Total/NA

Prep Batch: 161595

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.029		0.0434		mg/Kg	✱	41	20

Lab Sample ID: MB 580-161629/21-A

Matrix: Solid

Analysis Batch: 161699

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 161629

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.017		mg/Kg		06/19/14 10:04	06/19/14 12:04	1

Lab Sample ID: LCS 580-161629/22-A

Matrix: Solid

Analysis Batch: 161699

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 161629

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.167	0.170		mg/Kg		102	80 - 120

Lab Sample ID: LCSD 580-161629/23-A

Matrix: Solid

Analysis Batch: 161699

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 161629

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.167	0.155		mg/Kg		93	80 - 120	9	20

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Lab Sample ID: LCSSRM 580-161629/24-A ^10
Matrix: Solid
Analysis Batch: 161699

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 161629

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	12.4	12.7		mg/Kg		102.4	51.3 - 148.4

Method: D 2216 - Percent Moisture

Lab Sample ID: 580-43867-22 DU
Matrix: Solid
Analysis Batch: 160823

Client Sample ID: I9-5.0-060314
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Solids	72		65		%		10	20
Percent Solids	72		65		%		10	20
Percent Moisture	28		35	F3	%		21	20
Percent Moisture	28		35	F3	%		21	20

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: E8-2.5-060314

Date Collected: 06/03/14 08:35

Date Received: 06/04/14 15:30

Lab Sample ID: 580-43867-1

Matrix: Solid

Percent Solids: 87.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			161410	06/04/14 15:40	JMB	TAL SEA
Total/NA	Analysis	8260B		1	161459	06/17/14 20:21	CJ	TAL SEA
Total/NA	Prep	3550B			161360	06/17/14 08:24	CLH	TAL SEA
Total/NA	Analysis	8270C		5	162008	06/24/14 19:48	ERB	TAL SEA
Total/NA	Prep	5035			161347	06/16/14 19:18	IWH	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	161399	06/17/14 15:54	IWH	TAL SEA
Total/NA	Prep	3546			161463	06/17/14 16:43	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		10	161498	06/18/14 22:04	JJP	TAL SEA
Total/NA	Prep	3546	DL		161463	06/17/14 16:43	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx	DL	10	161613	06/19/14 13:40	JJP	TAL SEA
Total/NA	Prep	3546			160648	06/09/14 09:56	CTC	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	160772	06/11/14 01:57	JJP	TAL SEA
Total/NA	Prep	3050B			161540	06/18/14 11:25	KJV	TAL SEA
Total/NA	Analysis	6010B		1	161679	06/19/14 13:18	HJM	TAL SEA
Total/NA	Prep	7471A			161402	06/17/14 11:51	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161464	06/17/14 14:57	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

Client Sample ID: E8-3.5-060314

Date Collected: 06/03/14 08:58

Date Received: 06/04/14 15:30

Lab Sample ID: 580-43867-2

Matrix: Solid

Percent Solids: 87.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			161410	06/04/14 15:40	JMB	TAL SEA
Total/NA	Analysis	8260B		1	161459	06/17/14 20:48	CJ	TAL SEA
Total/NA	Prep	3550B			161360	06/17/14 08:24	CLH	TAL SEA
Total/NA	Analysis	8270C		1	162008	06/24/14 20:12	ERB	TAL SEA
Total/NA	Prep	5035			161347	06/16/14 19:18	IWH	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	161399	06/17/14 16:28	IWH	TAL SEA
Total/NA	Prep	3546			161463	06/17/14 16:43	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	161498	06/18/14 22:40	JJP	TAL SEA
Total/NA	Analysis	D 2216		1	161336	06/16/14 16:55	CRH	TAL SEA

Client Sample ID: F8-2.5-060314

Date Collected: 06/03/14 09:16

Date Received: 06/04/14 15:30

Lab Sample ID: 580-43867-3

Matrix: Solid

Percent Solids: 91.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			161353	06/17/14 03:44	MMH	TAL SEA
Total/NA	Analysis	8260B		1	161351	06/17/14 06:32	CJ	TAL SEA
Total/NA	Prep	3550B			161360	06/17/14 08:24	CLH	TAL SEA
Total/NA	Analysis	8270C		5	162298	06/26/14 16:35	ERB	TAL SEA
Total/NA	Prep	5035			161347	06/16/14 19:18	IWH	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: F8-2.5-060314

Lab Sample ID: 580-43867-3

Date Collected: 06/03/14 09:16

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 91.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	NWTPH-Gx		1	161399	06/17/14 17:02	IWH	TAL SEA
Total/NA	Prep	3546			161463	06/17/14 16:43	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		10	161498	06/18/14 22:58	JJP	TAL SEA
Total/NA	Prep	3546	DL		161463	06/17/14 16:43	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx	DL	10	161613	06/19/14 14:16	JJP	TAL SEA
Total/NA	Prep	3546			160648	06/09/14 09:56	CTC	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	160772	06/11/14 02:16	JJP	TAL SEA
Total/NA	Prep	3050B			161540	06/18/14 11:25	KJV	TAL SEA
Total/NA	Analysis	6010B		1	161679	06/19/14 13:21	HJM	TAL SEA
Total/NA	Prep	7471A			161402	06/17/14 11:51	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161464	06/17/14 14:59	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

Client Sample ID: F8-3.5-060314

Lab Sample ID: 580-43867-4

Date Collected: 06/03/14 09:22

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 89.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			161353	06/17/14 03:44	MMH	TAL SEA
Total/NA	Analysis	8260B		1	161351	06/17/14 06:58	CJ	TAL SEA
Total/NA	Prep	3550B			161360	06/17/14 08:24	CLH	TAL SEA
Total/NA	Analysis	8270C		5	162298	06/26/14 17:01	ERB	TAL SEA
Total/NA	Prep	5035			161347	06/16/14 19:18	IWH	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	161399	06/17/14 17:35	IWH	TAL SEA
Total/NA	Prep	3546			161463	06/17/14 16:43	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	161498	06/18/14 23:16	JJP	TAL SEA
Total/NA	Prep	3546			161463	06/17/14 16:43	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	161613	06/19/14 14:34	JJP	TAL SEA
Total/NA	Analysis	D 2216		1	161336	06/16/14 16:55	CRH	TAL SEA

Client Sample ID: TP-7-CEN-E-1.5-060314

Lab Sample ID: 580-43867-5

Date Collected: 06/03/14 09:30

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 66.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			160765	06/04/14 15:40	JMB	TAL SEA
Total/NA	Analysis	8260B		1	160763	06/10/14 17:49	JMB	TAL SEA
Total/NA	Prep	5035	RA		160925	06/04/14 15:40	JMB	TAL SEA
Total/NA	Analysis	8260B	RA	1	160872	06/12/14 00:08	JMB	TAL SEA
Total/NA	Prep	3550B			160663	06/09/14 11:22	CTC	TAL SEA
Total/NA	Analysis	8270C		25	160851	06/11/14 19:31	ERB	TAL SEA
Total/NA	Prep	5035			161347	06/16/14 19:18	IWH	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	161399	06/17/14 18:09	IWH	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: TP-7-CEN-E-1.5-060314

Lab Sample ID: 580-43867-5

Date Collected: 06/03/14 09:30

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 66.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			160903	06/11/14 15:48	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	161072	06/13/14 22:27	JJP	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

Client Sample ID: TP-7-CEN-E-3.0-060314

Lab Sample ID: 580-43867-6

Date Collected: 06/03/14 09:35

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 94.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			161410	06/04/14 15:40	JMB	TAL SEA
Total/NA	Analysis	8260B		1	161459	06/17/14 21:14	CJ	TAL SEA
Total/NA	Prep	3550B			161360	06/17/14 08:24	CLH	TAL SEA
Total/NA	Analysis	8270C		1	162298	06/26/14 17:26	ERB	TAL SEA
Total/NA	Prep	5035			161347	06/16/14 19:18	IWH	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	161399	06/17/14 18:42	IWH	TAL SEA
Total/NA	Prep	3546			161463	06/17/14 16:43	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	161498	06/18/14 23:34	JJP	TAL SEA
Total/NA	Analysis	D 2216		1	161336	06/16/14 16:55	CRH	TAL SEA

Client Sample ID: TP-8-1.5-060314

Lab Sample ID: 580-43867-7

Date Collected: 06/03/14 09:44

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 78.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			161353	06/17/14 03:44	MMH	TAL SEA
Total/NA	Analysis	8260B		1	161351	06/17/14 07:53	CJ	TAL SEA
Total/NA	Prep	3550B			160663	06/09/14 11:22	CTC	TAL SEA
Total/NA	Analysis	8270C		25	160851	06/11/14 19:56	ERB	TAL SEA
Total/NA	Prep	5035			161347	06/16/14 19:18	IWH	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	161399	06/17/14 19:16	IWH	TAL SEA
Total/NA	Prep	3546			160903	06/11/14 15:48	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	161072	06/13/14 23:13	JJP	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

Client Sample ID: G9-1.5-060314

Lab Sample ID: 580-43867-11

Date Collected: 06/03/14 10:13

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 72.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			161353	06/17/14 03:44	MMH	TAL SEA
Total/NA	Analysis	8260B		1	161351	06/17/14 08:20	CJ	TAL SEA
Total/NA	Prep	3550B			161360	06/17/14 08:24	CLH	TAL SEA
Total/NA	Analysis	8270C		5	162298	06/26/14 17:51	ERB	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: G9-1.5-060314

Lab Sample ID: 580-43867-11

Date Collected: 06/03/14 10:13

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 72.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			161347	06/16/14 19:18	IWH	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	161399	06/17/14 20:23	IWH	TAL SEA
Total/NA	Prep	3546			161463	06/17/14 16:43	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		10	161498	06/18/14 23:52	JJP	TAL SEA
Total/NA	Prep	3546	DL		161463	06/17/14 16:43	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx	DL	10	161613	06/19/14 14:52	JJP	TAL SEA
Total/NA	Prep	3546			160641	06/09/14 08:23	CTC	TAL SEA
Total/NA	Analysis	NWTPH-HCID		10	160922	06/12/14 01:03	JJP	TAL SEA
Total/NA	Prep	3050B			161540	06/18/14 11:25	KJV	TAL SEA
Total/NA	Analysis	6010B		1	161679	06/19/14 13:25	HJM	TAL SEA
Total/NA	Prep	7471A			161402	06/17/14 11:51	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161464	06/17/14 15:02	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

Client Sample ID: G9-6.0-060314

Lab Sample ID: 580-43867-12

Date Collected: 06/03/14 10:27

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 93.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			161353	06/17/14 03:44	MMH	TAL SEA
Total/NA	Analysis	8260B		1	161351	06/17/14 08:47	CJ	TAL SEA
Total/NA	Prep	3550B			161360	06/17/14 08:24	CLH	TAL SEA
Total/NA	Analysis	8270C		1	162298	06/26/14 18:16	ERB	TAL SEA
Total/NA	Prep	5035			161347	06/16/14 19:18	IWH	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	161399	06/17/14 20:57	IWH	TAL SEA
Total/NA	Prep	3546			161463	06/17/14 16:43	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	161498	06/19/14 00:28	JJP	TAL SEA
Total/NA	Analysis	D 2216		1	161336	06/16/14 16:55	CRH	TAL SEA

Client Sample ID: TP-10-6.0-060314

Lab Sample ID: 580-43867-14

Date Collected: 06/03/14 10:41

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 95.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			161353	06/17/14 03:44	MMH	TAL SEA
Total/NA	Analysis	8260B		1	161351	06/17/14 09:14	CJ	TAL SEA
Total/NA	Prep	3550B			161360	06/17/14 08:24	CLH	TAL SEA
Total/NA	Analysis	8270C		1	162298	06/26/14 18:41	ERB	TAL SEA
Total/NA	Prep	5035			161347	06/16/14 19:18	IWH	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	161399	06/17/14 21:31	IWH	TAL SEA
Total/NA	Prep	3546			161463	06/17/14 16:43	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	161498	06/19/14 00:46	JJP	TAL SEA
Total/NA	Analysis	D 2216		1	161336	06/16/14 16:55	CRH	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: B9-5.0-060314

Lab Sample ID: 580-43867-15

Date Collected: 06/03/14 11:00

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 69.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			161353	06/17/14 03:44	MMH	TAL SEA
Total/NA	Analysis	8260B		1	161351	06/17/14 09:40	CJ	TAL SEA
Total/NA	Prep	5035			161347	06/16/14 19:18	IWH	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	161399	06/17/14 22:04	IWH	TAL SEA
Total/NA	Prep	3546			161463	06/17/14 16:43	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		10	161498	06/19/14 01:04	JJP	TAL SEA
Total/NA	Prep	3546			160641	06/09/14 08:23	CTC	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	161082	06/13/14 15:11	JJP	TAL SEA
Total/NA	Prep	3050B			161540	06/18/14 11:25	KJV	TAL SEA
Total/NA	Analysis	6010B		1	161679	06/19/14 13:28	HJM	TAL SEA
Total/NA	Prep	7471A			161402	06/17/14 11:51	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161464	06/17/14 15:04	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

Client Sample ID: C9-5.0-060314

Lab Sample ID: 580-43867-16

Date Collected: 06/03/14 11:10

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 61.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			161463	06/17/14 16:43	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		10	161498	06/19/14 01:22	JJP	TAL SEA
Total/NA	Prep	3546			160641	06/09/14 08:23	CTC	TAL SEA
Total/NA	Analysis	NWTPH-HCID		10	160922	06/12/14 01:41	JJP	TAL SEA
Total/NA	Prep	3050B			161540	06/18/14 11:25	KJV	TAL SEA
Total/NA	Analysis	6010B		1	161679	06/19/14 13:31	HJM	TAL SEA
Total/NA	Prep	7471A			161402	06/17/14 11:51	PAB	TAL SEA
Total/NA	Analysis	7471A		10	161464	06/17/14 16:31	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

Client Sample ID: D9-5.0-060314

Lab Sample ID: 580-43867-17

Date Collected: 06/03/14 11:17

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 65.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			161463	06/17/14 16:43	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		10	161498	06/19/14 01:40	JJP	TAL SEA
Total/NA	Prep	3546			160641	06/09/14 08:23	CTC	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	161082	06/13/14 15:29	JJP	TAL SEA
Total/NA	Prep	3050B			161540	06/18/14 11:25	KJV	TAL SEA
Total/NA	Analysis	6010B		1	161679	06/19/14 13:35	HJM	TAL SEA
Total/NA	Prep	7471A			161402	06/17/14 11:51	PAB	TAL SEA
Total/NA	Analysis	7471A		10	161464	06/17/14 16:33	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: E9-5.0-060314

Lab Sample ID: 580-43867-18

Date Collected: 06/03/14 11:37

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 86.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			160641	06/09/14 08:23	CTC	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	160922	06/12/14 02:19	JJP	TAL SEA
Total/NA	Prep	3050B			161546	06/18/14 11:58	KJV	TAL SEA
Total/NA	Analysis	6010B		1	161753	06/19/14 13:57	HJM	TAL SEA
Total/NA	Prep	7471A			161402	06/17/14 11:51	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161464	06/17/14 15:16	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

Client Sample ID: H9-5.0-060314

Lab Sample ID: 580-43867-19

Date Collected: 06/03/14 12:07

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 78.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			161463	06/17/14 16:43	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		10	161498	06/19/14 01:58	JJP	TAL SEA
Total/NA	Prep	3546			160641	06/09/14 08:23	CTC	TAL SEA
Total/NA	Analysis	NWTPH-HCID		10	160922	06/12/14 02:38	JJP	TAL SEA
Total/NA	Prep	3050B			161546	06/18/14 11:58	KJV	TAL SEA
Total/NA	Analysis	6010B		1	161753	06/19/14 14:17	HJM	TAL SEA
Total/NA	Prep	7471A			161402	06/17/14 11:51	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161464	06/17/14 15:19	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

Client Sample ID: G9-5.0-060314

Lab Sample ID: 580-43867-20

Date Collected: 06/03/14 12:26

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 82.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			161353	06/17/14 03:44	MMH	TAL SEA
Total/NA	Analysis	8260B		1	161351	06/17/14 10:07	CJ	TAL SEA
Total/NA	Prep	5035			161347	06/16/14 19:18	IWH	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	161399	06/17/14 22:38	IWH	TAL SEA
Total/NA	Prep	3546			161463	06/17/14 16:43	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	161498	06/19/14 02:16	JJP	TAL SEA
Total/NA	Prep	3546			160641	06/09/14 08:23	CTC	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	160922	06/12/14 02:57	JJP	TAL SEA
Total/NA	Prep	3050B			161546	06/18/14 11:58	KJV	TAL SEA
Total/NA	Analysis	6010B		1	161753	06/19/14 14:20	HJM	TAL SEA
Total/NA	Prep	7471A			161595	06/18/14 18:00	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161699	06/19/14 09:29	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: F9-5.0-060314

Lab Sample ID: 580-43867-21

Date Collected: 06/03/14 12:27

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 62.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			161463	06/17/14 16:43	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		5	161498	06/19/14 02:34	JJP	TAL SEA
Total/NA	Prep	3546			160641	06/09/14 08:23	CTC	TAL SEA
Total/NA	Analysis	NWTPH-HCID		10	160922	06/12/14 03:15	JJP	TAL SEA
Total/NA	Prep	3050B			161546	06/18/14 11:58	KJV	TAL SEA
Total/NA	Analysis	6010B		1	161753	06/19/14 14:23	HJM	TAL SEA
Total/NA	Prep	7471A			161595	06/18/14 18:00	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161699	06/19/14 09:38	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

Client Sample ID: I9-5.0-060314

Lab Sample ID: 580-43867-22

Date Collected: 06/03/14 12:48

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 71.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			161463	06/17/14 16:43	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		5	161498	06/19/14 02:52	JJP	TAL SEA
Total/NA	Prep	3546			160648	06/09/14 09:56	CTC	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	160772	06/10/14 20:13	JJP	TAL SEA
Total/NA	Prep	3050B			161546	06/18/14 11:58	KJV	TAL SEA
Total/NA	Analysis	6010B		1	161753	06/19/14 14:27	HJM	TAL SEA
Total/NA	Prep	7471A			161595	06/18/14 18:00	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161699	06/19/14 09:41	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

Client Sample ID: J8-5.0-060314

Lab Sample ID: 580-43867-23

Date Collected: 06/03/14 12:55

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 81.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			161353	06/17/14 03:44	MMH	TAL SEA
Total/NA	Analysis	8260B		1	161351	06/17/14 10:34	CJ	TAL SEA
Total/NA	Prep	5035			161347	06/16/14 19:18	IWH	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	161399	06/17/14 23:12	IWH	TAL SEA
Total/NA	Prep	3546			161463	06/17/14 16:43	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	161498	06/19/14 03:10	JJP	TAL SEA
Total/NA	Prep	3546			160648	06/09/14 09:56	CTC	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	160772	06/10/14 20:51	JJP	TAL SEA
Total/NA	Prep	3050B			161546	06/18/14 11:58	KJV	TAL SEA
Total/NA	Analysis	6010B		1	161753	06/19/14 14:30	HJM	TAL SEA
Total/NA	Prep	7471A			161595	06/18/14 18:00	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161699	06/19/14 09:43	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: J7-5.0-060314

Lab Sample ID: 580-43867-24

Date Collected: 06/03/14 13:04

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 67.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			161353	06/17/14 03:44	MMH	TAL SEA
Total/NA	Analysis	8260B		1	161351	06/17/14 11:01	CJ	TAL SEA
Total/NA	Prep	3550B			161360	06/17/14 08:24	CLH	TAL SEA
Total/NA	Analysis	8270C		1	162298	06/26/14 19:06	ERB	TAL SEA
Total/NA	Prep	5035			161347	06/16/14 19:18	IWH	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	161399	06/17/14 23:45	IWH	TAL SEA
Total/NA	Prep	3546			161463	06/17/14 16:43	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	161498	06/19/14 03:46	JJP	TAL SEA
Total/NA	Prep	3546			160648	06/09/14 09:56	CTC	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	160772	06/10/14 21:10	JJP	TAL SEA
Total/NA	Prep	3050B			161546	06/18/14 11:58	KJV	TAL SEA
Total/NA	Analysis	6010B		1	161753	06/19/14 14:32	HJM	TAL SEA
Total/NA	Prep	7471A			161595	06/18/14 18:00	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161699	06/19/14 09:50	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

Client Sample ID: J6-6.0-060314

Lab Sample ID: 580-43867-25

Date Collected: 06/03/14 13:14

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 68.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			161353	06/17/14 03:44	MMH	TAL SEA
Total/NA	Analysis	8260B		1	161351	06/17/14 11:29	CJ	TAL SEA
Total/NA	Prep	3550B			161360	06/17/14 08:24	CLH	TAL SEA
Total/NA	Analysis	8270C		10	162479	06/28/14 20:34	ERB	TAL SEA
Total/NA	Prep	5035			161347	06/16/14 19:18	IWH	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	161399	06/18/14 00:19	IWH	TAL SEA
Total/NA	Prep	3546			161463	06/17/14 16:43	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		10	161498	06/19/14 04:04	JJP	TAL SEA
Total/NA	Prep	3546			160648	06/09/14 09:56	CTC	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	160772	06/10/14 21:30	JJP	TAL SEA
Total/NA	Prep	3050B			161546	06/18/14 11:58	KJV	TAL SEA
Total/NA	Analysis	6010B		1	161753	06/19/14 14:36	HJM	TAL SEA
Total/NA	Prep	7471A			161595	06/18/14 18:00	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161699	06/19/14 09:53	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

Client Sample ID: J5-5.0-060314

Lab Sample ID: 580-43867-26

Date Collected: 06/03/14 13:27

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 66.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			161353	06/17/14 03:44	MMH	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: J5-5.0-060314

Lab Sample ID: 580-43867-26

Date Collected: 06/03/14 13:27

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 66.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	161351	06/17/14 11:56	CJ	TAL SEA
Total/NA	Prep	3550B			161360	06/17/14 08:24	CLH	TAL SEA
Total/NA	Analysis	8270C		5	162298	06/26/14 19:56	ERB	TAL SEA
Total/NA	Prep	5035			161347	06/16/14 19:18	IWH	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	161399	06/18/14 00:53	IWH	TAL SEA
Total/NA	Prep	3546			161463	06/17/14 16:43	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		10	161498	06/19/14 04:22	JJP	TAL SEA
Total/NA	Prep	3546			160648	06/09/14 09:56	CTC	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	160772	06/10/14 21:49	JJP	TAL SEA
Total/NA	Prep	3050B			161546	06/18/14 11:58	KJV	TAL SEA
Total/NA	Analysis	6010B		1	161753	06/19/14 14:39	HJM	TAL SEA
Total/NA	Prep	7471A			161595	06/18/14 18:00	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161699	06/19/14 09:55	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

Client Sample ID: J4-5.0-060314

Lab Sample ID: 580-43867-27

Date Collected: 06/03/14 13:35

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 68.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			161353	06/17/14 03:44	MMH	TAL SEA
Total/NA	Analysis	8260B		1	161351	06/17/14 12:23	CJ	TAL SEA
Total/NA	Prep	3550B			161360	06/17/14 08:24	CLH	TAL SEA
Total/NA	Analysis	8270C		10	162479	06/28/14 20:59	ERB	TAL SEA
Total/NA	Prep	5035			161347	06/16/14 19:18	IWH	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	161399	06/18/14 01:26	IWH	TAL SEA
Total/NA	Prep	3546			161463	06/17/14 16:43	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		10	161498	06/19/14 04:40	JJP	TAL SEA
Total/NA	Prep	3546			160648	06/09/14 09:56	CTC	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	160772	06/10/14 22:08	JJP	TAL SEA
Total/NA	Prep	3050B			161546	06/18/14 11:58	KJV	TAL SEA
Total/NA	Analysis	6010B		1	161753	06/19/14 14:50	HJM	TAL SEA
Total/NA	Prep	7471A			161595	06/18/14 18:00	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161699	06/19/14 09:58	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

Client Sample ID: J3-5.0-060314

Lab Sample ID: 580-43867-28

Date Collected: 06/03/14 13:45

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 71.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			161353	06/17/14 03:44	MMH	TAL SEA
Total/NA	Analysis	8260B		1	161351	06/17/14 12:49	CJ	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: J3-5.0-060314

Lab Sample ID: 580-43867-28

Date Collected: 06/03/14 13:45

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 71.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			161347	06/16/14 19:18	IWH	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	161399	06/18/14 02:34	IWH	TAL SEA
Total/NA	Prep	3546			160648	06/09/14 09:56	CTC	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	160772	06/10/14 22:27	JJP	TAL SEA
Total/NA	Prep	3050B			161546	06/18/14 11:58	KJV	TAL SEA
Total/NA	Analysis	6010B		1	161753	06/19/14 14:53	HJM	TAL SEA
Total/NA	Prep	7471A			161595	06/18/14 18:00	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161699	06/19/14 10:00	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

Client Sample ID: J2-5.0-060314

Lab Sample ID: 580-43867-29

Date Collected: 06/03/14 13:55

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 65.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			161353	06/17/14 03:44	MMH	TAL SEA
Total/NA	Analysis	8260B		1	161351	06/17/14 13:16	CJ	TAL SEA
Total/NA	Prep	3550B			161360	06/17/14 08:24	CLH	TAL SEA
Total/NA	Analysis	8270C		10	162479	06/28/14 21:24	ERB	TAL SEA
Total/NA	Prep	5035			161347	06/16/14 19:18	IWH	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	161399	06/18/14 03:07	IWH	TAL SEA
Total/NA	Prep	3546	DL		161470	06/17/14 17:32	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx	DL	10	161794	06/20/14 18:48	JJP	TAL SEA
Total/NA	Prep	3546			160648	06/09/14 09:56	CTC	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	160772	06/10/14 22:46	JJP	TAL SEA
Total/NA	Prep	3050B			161546	06/18/14 11:58	KJV	TAL SEA
Total/NA	Analysis	6010B		1	161753	06/19/14 14:56	HJM	TAL SEA
Total/NA	Prep	7471A			161595	06/18/14 18:00	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161699	06/19/14 10:02	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

Client Sample ID: I1-5.0-060314

Lab Sample ID: 580-43867-30

Date Collected: 06/03/14 14:01

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 52.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			161353	06/17/14 03:44	MMH	TAL SEA
Total/NA	Analysis	8260B		1	161351	06/17/14 13:44	CJ	TAL SEA
Total/NA	Prep	3550B			161360	06/17/14 08:24	CLH	TAL SEA
Total/NA	Analysis	8270C		10	162479	06/28/14 21:49	ERB	TAL SEA
Total/NA	Prep	5035			161347	06/16/14 19:18	IWH	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	161399	06/18/14 03:41	IWH	TAL SEA
Total/NA	Prep	3546	DL		161470	06/17/14 17:32	CTC	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: I1-5.0-060314

Lab Sample ID: 580-43867-30

Date Collected: 06/03/14 14:01

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 52.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	NWTPH-Dx	DL	10	161794	06/20/14 19:04	JJP	TAL SEA
Total/NA	Prep	3546			160648	06/09/14 09:56	CTC	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	160772	06/10/14 23:05	JJP	TAL SEA
Total/NA	Prep	3050B			161546	06/18/14 11:58	KJV	TAL SEA
Total/NA	Analysis	6010B		1	161753	06/19/14 15:00	HJM	TAL SEA
Total/NA	Prep	7471A			161595	06/18/14 18:00	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161699	06/19/14 10:05	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

Client Sample ID: G8-1.5-060314

Lab Sample ID: 580-43867-32

Date Collected: 06/03/14 14:35

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 86.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			161353	06/17/14 03:44	MMH	TAL SEA
Total/NA	Analysis	8260B		1	161351	06/17/14 14:11	CJ	TAL SEA
Total/NA	Prep	5035			161415	06/17/14 12:58	CRH	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	161478	06/18/14 08:44	IWH	TAL SEA
Total/NA	Prep	3546	DL		161470	06/17/14 17:32	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx	DL	10	161794	06/20/14 19:19	JJP	TAL SEA
Total/NA	Prep	3546			160648	06/09/14 09:56	CTC	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	160772	06/10/14 23:24	JJP	TAL SEA
Total/NA	Prep	3050B			161546	06/18/14 11:58	KJV	TAL SEA
Total/NA	Analysis	6010B		1	161753	06/19/14 15:02	HJM	TAL SEA
Total/NA	Prep	7471A			161595	06/18/14 18:00	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161699	06/19/14 10:07	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

Client Sample ID: H9-N-1.5-060314

Lab Sample ID: 580-43867-34

Date Collected: 06/03/14 14:52

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 81.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			161470	06/17/14 17:32	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	161882	06/23/14 18:06	JJP	TAL SEA
Total/NA	Prep	3546			160648	06/09/14 09:56	CTC	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	160772	06/10/14 23:43	JJP	TAL SEA
Total/NA	Prep	3050B			161546	06/18/14 11:58	KJV	TAL SEA
Total/NA	Analysis	6010B		1	161753	06/19/14 15:05	HJM	TAL SEA
Total/NA	Prep	7471A			161595	06/18/14 18:00	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161699	06/19/14 10:10	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: H8-6.0-060314

Lab Sample ID: 580-43867-36

Date Collected: 06/03/14 15:04

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 87.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			160648	06/09/14 09:56	CTC	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	160772	06/11/14 00:02	JJP	TAL SEA
Total/NA	Prep	3050B			161546	06/18/14 11:58	KJV	TAL SEA
Total/NA	Analysis	6010B		1	161753	06/19/14 15:08	HJM	TAL SEA
Total/NA	Prep	7471A			161595	06/18/14 18:00	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161699	06/19/14 10:12	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

Client Sample ID: I8-3.0-060314

Lab Sample ID: 580-43867-37

Date Collected: 06/03/14 15:12

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 95.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			160648	06/09/14 09:56	CTC	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	160772	06/11/14 00:21	JJP	TAL SEA
Total/NA	Prep	3050B			161546	06/18/14 11:58	KJV	TAL SEA
Total/NA	Analysis	6010B		1	161753	06/19/14 15:12	HJM	TAL SEA
Total/NA	Prep	7471A			161595	06/18/14 18:00	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161699	06/19/14 10:19	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

Client Sample ID: I7-2.0-060314

Lab Sample ID: 580-43867-38

Date Collected: 06/03/14 15:20

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 64.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			161361	06/17/14 08:29	MMH	TAL SEA
Total/NA	Analysis	8260B		1	161489	06/17/14 16:54	AS	TAL SEA
Total/NA	Prep	3550B			161360	06/17/14 08:24	CLH	TAL SEA
Total/NA	Analysis	8270C		10	162479	06/28/14 22:14	ERB	TAL SEA
Total/NA	Prep	5035			161415	06/17/14 12:58	CRH	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	161478	06/18/14 09:17	IWH	TAL SEA
Total/NA	Prep	3546	DL		161470	06/17/14 17:32	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx	DL	10	161882	06/23/14 18:22	JJP	TAL SEA
Total/NA	Prep	3546			160648	06/09/14 09:56	CTC	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	160772	06/11/14 00:40	JJP	TAL SEA
Total/NA	Prep	3050B			161546	06/18/14 11:58	KJV	TAL SEA
Total/NA	Analysis	6010B		1	161753	06/19/14 15:14	HJM	TAL SEA
Total/NA	Prep	7471A			161595	06/18/14 18:00	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161699	06/19/14 10:22	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: I7-4.0-060314

Lab Sample ID: 580-43867-39

Date Collected: 06/03/14 15:25

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 93.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			161361	06/17/14 08:29	MMH	TAL SEA
Total/NA	Analysis	8260B		1	161489	06/17/14 17:21	AS	TAL SEA
Total/NA	Prep	3550B			161360	06/17/14 08:24	CLH	TAL SEA
Total/NA	Analysis	8270C		1	162479	06/28/14 22:39	ERB	TAL SEA
Total/NA	Prep	5035			161415	06/17/14 12:58	CRH	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	161478	06/18/14 09:51	IWH	TAL SEA
Total/NA	Prep	3546			161470	06/17/14 17:32	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	161882	06/23/14 18:38	JJP	TAL SEA
Total/NA	Analysis	D 2216		1	161336	06/16/14 16:55	CRH	TAL SEA

Client Sample ID: D7-3.0-060314

Lab Sample ID: 580-43867-40

Date Collected: 06/03/14 15:46

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			161470	06/17/14 17:32	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	161882	06/23/14 18:53	JJP	TAL SEA
Total/NA	Prep	3546			160648	06/09/14 09:56	CTC	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	160772	06/11/14 00:59	JJP	TAL SEA
Total/NA	Prep	3050B			161562	06/18/14 13:38	KJV	TAL SEA
Total/NA	Analysis	6010B		1	161719	06/19/14 15:36	HJM	TAL SEA
Total/NA	Prep	7471A			161595	06/18/14 18:00	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161699	06/19/14 10:24	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

Client Sample ID: E7-1.5-060314

Lab Sample ID: 580-43867-41

Date Collected: 06/03/14 16:00

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 83.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			161361	06/17/14 08:29	MMH	TAL SEA
Total/NA	Analysis	8260B		1	161489	06/17/14 17:47	AS	TAL SEA
Total/NA	Prep	3550B			161360	06/17/14 08:24	CLH	TAL SEA
Total/NA	Analysis	8270C		5	162479	06/28/14 23:04	ERB	TAL SEA
Total/NA	Prep	5035			161415	06/17/14 12:58	CRH	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	161478	06/18/14 10:58	IWH	TAL SEA
Total/NA	Prep	3546	DL		161470	06/17/14 17:32	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx	DL	5	161882	06/23/14 19:09	JJP	TAL SEA
Total/NA	Prep	3546			160648	06/09/14 09:56	CTC	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	160772	06/11/14 01:18	JJP	TAL SEA
Total/NA	Prep	3050B			161562	06/18/14 13:38	KJV	TAL SEA
Total/NA	Analysis	6010B		1	161719	06/19/14 16:04	HJM	TAL SEA
Total/NA	Prep	7471A			161595	06/18/14 18:00	PAB	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Client Sample ID: E7-1.5-060314

Lab Sample ID: 580-43867-41

Date Collected: 06/03/14 16:00

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 83.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7471A		1	161699	06/19/14 10:26	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

Client Sample ID: E7-4.0-060314

Lab Sample ID: 580-43867-42

Date Collected: 06/03/14 16:05

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 92.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			161361	06/17/14 08:29	MMH	TAL SEA
Total/NA	Analysis	8260B		1	161489	06/17/14 18:14	AS	TAL SEA
Total/NA	Prep	3550B			161360	06/17/14 08:24	CLH	TAL SEA
Total/NA	Analysis	8270C		1	162479	06/28/14 23:29	ERB	TAL SEA
Total/NA	Prep	5035			161415	06/17/14 12:58	CRH	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	161478	06/18/14 11:32	IWH	TAL SEA
Total/NA	Prep	3546			161470	06/17/14 17:32	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	161882	06/23/14 19:25	JJP	TAL SEA
Total/NA	Analysis	D 2216		1	161336	06/16/14 16:55	CRH	TAL SEA

Client Sample ID: F7-5.0-060314

Lab Sample ID: 580-43867-43

Date Collected: 06/03/14 16:10

Matrix: Solid

Date Received: 06/04/14 15:30

Percent Solids: 92.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			160648	06/09/14 09:56	CTC	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	160772	06/11/14 01:38	JJP	TAL SEA
Total/NA	Prep	3050B			161562	06/18/14 13:38	KJV	TAL SEA
Total/NA	Analysis	6010B		1	161719	06/19/14 16:08	HJM	TAL SEA
Total/NA	Prep	7471A			161629	06/19/14 10:04	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161699	06/19/14 12:45	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

Laboratory References:

TAL SEA = TestAmerica Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

TestAmerica Seattle

Certification Summary

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Laboratory: TestAmerica Seattle

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska (UST)	State Program	10	UST-112	05-27-15
California	NELAP	9	01115CA	01-31-14 *
California	State Program	9	2901	01-31-15
L-A-B	DoD ELAP		L2236	01-19-16
L-A-B	ISO/IEC 17025		L2236	01-19-16
Montana (UST)	State Program	8	N/A	04-30-20
Oregon	NELAP	10	WA100007	11-06-14
USDA	Federal		P330-11-00222	04-08-17
Washington	State Program	10	C553	02-17-15

* Certification renewal pending - certification considered valid.

TestAmerica Seattle

Sample Summary

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling

TestAmerica Job ID: 580-43867-3

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-43867-1	E8-2.5-060314	Solid	06/03/14 08:35	06/04/14 15:30
580-43867-2	E8-3.5-060314	Solid	06/03/14 08:58	06/04/14 15:30
580-43867-3	F8-2.5-060314	Solid	06/03/14 09:16	06/04/14 15:30
580-43867-4	F8-3.5-060314	Solid	06/03/14 09:22	06/04/14 15:30
580-43867-5	TP-7-CEN-E-1.5-060314	Solid	06/03/14 09:30	06/04/14 15:30
580-43867-6	TP-7-CEN-E-3.0-060314	Solid	06/03/14 09:35	06/04/14 15:30
580-43867-7	TP-8-1.5-060314	Solid	06/03/14 09:44	06/04/14 15:30
580-43867-11	G9-1.5-060314	Solid	06/03/14 10:13	06/04/14 15:30
580-43867-12	G9-6.0-060314	Solid	06/03/14 10:27	06/04/14 15:30
580-43867-14	TP-10-6.0-060314	Solid	06/03/14 10:41	06/04/14 15:30
580-43867-15	B9-5.0-060314	Solid	06/03/14 11:00	06/04/14 15:30
580-43867-16	C9-5.0-060314	Solid	06/03/14 11:10	06/04/14 15:30
580-43867-17	D9-5.0-060314	Solid	06/03/14 11:17	06/04/14 15:30
580-43867-18	E9-5.0-060314	Solid	06/03/14 11:37	06/04/14 15:30
580-43867-19	H9-5.0-060314	Solid	06/03/14 12:07	06/04/14 15:30
580-43867-20	G9-5.0-060314	Solid	06/03/14 12:26	06/04/14 15:30
580-43867-21	F9-5.0-060314	Solid	06/03/14 12:27	06/04/14 15:30
580-43867-22	I9-5.0-060314	Solid	06/03/14 12:48	06/04/14 15:30
580-43867-23	J8-5.0-060314	Solid	06/03/14 12:55	06/04/14 15:30
580-43867-24	J7-5.0-060314	Solid	06/03/14 13:04	06/04/14 15:30
580-43867-25	J6-6.0-060314	Solid	06/03/14 13:14	06/04/14 15:30
580-43867-26	J5-5.0-060314	Solid	06/03/14 13:27	06/04/14 15:30
580-43867-27	J4-5.0-060314	Solid	06/03/14 13:35	06/04/14 15:30
580-43867-28	J3-5.0-060314	Solid	06/03/14 13:45	06/04/14 15:30
580-43867-29	J2-5.0-060314	Solid	06/03/14 13:55	06/04/14 15:30
580-43867-30	I1-5.0-060314	Solid	06/03/14 14:01	06/04/14 15:30
580-43867-32	G8-1.5-060314	Solid	06/03/14 14:35	06/04/14 15:30
580-43867-34	H9-N-1.5-060314	Solid	06/03/14 14:52	06/04/14 15:30
580-43867-36	H8-6.0-060314	Solid	06/03/14 15:04	06/04/14 15:30
580-43867-37	I8-3.0-060314	Solid	06/03/14 15:12	06/04/14 15:30
580-43867-38	I7-2.0-060314	Solid	06/03/14 15:20	06/04/14 15:30
580-43867-39	I7-4.0-060314	Solid	06/03/14 15:25	06/04/14 15:30
580-43867-40	D7-3.0-060314	Solid	06/03/14 15:46	06/04/14 15:30
580-43867-41	E7-1.5-060314	Solid	06/03/14 16:00	06/04/14 15:30
580-43867-42	E7-4.0-060314	Solid	06/03/14 16:05	06/04/14 15:30
580-43867-43	F7-5.0-060314	Solid	06/03/14 16:10	06/04/14 15:30

www.testamericainc.com

Short Hold

Used box 43867

Chain of Custody Record

Special Instructions/
Conditions of Receipt

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Seattle
5755 8th Street E.
Tacoma, WA 98424
Tel. 253-922-2310
Fax 253-922-5047
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☒ Rush
☐ Short Hold

Chain of
Custody Record

Client <u>Frederick Consulting</u>		Client Contact <u>Edward E. Carlson</u>		Date <u>6/03/2014</u>	Chain of Custody Number <u>92505</u>
Address <u>975 5th Ave NW</u>		Telephone Number (Area Code)/Fax Number <u>(425) 245-0800</u>		Lab Number	Page <u>2</u> of <u>4</u>
City <u>Seattle</u>	State <u>WA</u>	Zip Code <u>98105</u>	Sampler <u>James Chen</u>	Lab Contact <u>6505 Allen</u>	
Project Name and Location (State) <u>Glacier Reclamation / Astoria, WA</u>		Billing Contact <u>John M. M. M.</u>			
Contract/Purchase Order/Quote No. <u>2133033441</u>					
Sample I.D. and Location/Description (Containers for each sample may be combined on one line)		Date	Time	Matrix	Containers & Preservatives
13 <u>TP-10-10-060314</u>		<u>6/3/2014</u>	<u>10:33</u>	<u>Soil</u>	<u>Unpres.</u>
14 <u>TP-10-6.0-060314</u>		<u>6/3/2014</u>	<u>10:41</u>	<u>Soil</u>	<u>Unpres.</u>
15 <u>B9-5.0-060314</u>		<u>6/3/2014</u>	<u>11:00</u>	<u>Soil</u>	<u>Unpres.</u>
16 <u>C9-5.0-060314</u>		<u>6/3/2014</u>	<u>11:10</u>	<u>Soil</u>	<u>Unpres.</u>
17 <u>D9-5.0-060314</u>		<u>6/3/2014</u>	<u>11:17</u>	<u>Soil</u>	<u>Unpres.</u>
18 <u>E9-5.0-060314</u>		<u>6/3/2014</u>	<u>11:27</u>	<u>Soil</u>	<u>Unpres.</u>
19 <u>H9-5.0-060314</u>		<u>6/3/2014</u>	<u>12:07</u>	<u>Soil</u>	<u>Unpres.</u>
20 <u>G9-5.0-060314</u>		<u>6/3/2014</u>	<u>12:26</u>	<u>Soil</u>	<u>Unpres.</u>
21 <u>F9-5.0-060314</u>		<u>6/3/2014</u>	<u>12:27</u>	<u>Soil</u>	<u>Unpres.</u>
22 <u>I9-5.0-060314</u>		<u>6/3/2014</u>	<u>12:48</u>	<u>Soil</u>	<u>Unpres.</u>
23 <u>J8-5.0-060314</u>		<u>6/3/2014</u>	<u>12:55</u>	<u>Soil</u>	<u>Unpres.</u>
24 <u>J7-5.0-060314</u>		<u>6/3/2014</u>	<u>13:04</u>	<u>Soil</u>	<u>Unpres.</u>
Cooler ☐ Yes ☐ No Cooler Temp. _____		Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown		Sample Disposal ☐ Return To Client ☐ Archive For _____ Months	
Turn Around Time Required (Business days) ☐ 24 Hours ☐ 48 Hours ☐ 5 Days ☒ 10 Days ☐ 15 Days ☐ Other <u>Today (6/3/2014)</u>		(A fee may be assessed if samples are retained longer than 1 month)			
1. Relinquished By: <u>Sign/Print</u>		Date	Time	1. Received By: <u>Sign/Print</u>	
2. Relinquished By: <u>Sign/Print</u>		Date	Time	2. Received By: <u>Sign/Print</u>	
3. Relinquished By: <u>Sign/Print</u>		Date	Time	3. Received By: <u>Sign/Print</u>	
Comments					

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

TAL-0274-580 (02/10)

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Fax: 253-922-5047
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Chain of
Custody Record

Client <u>Emallan Consulting</u>		Client Contact <u>Emallan Consulting</u>		Date <u>6/10/14</u>	Chain of Custody Number <u>22506</u>
Address <u>4715 5th Ave NW</u>		Telephone Number (Area Code/Fax Number) <u>(415) 245-0800</u>		Lab Number	Page <u>3</u> of <u>4</u>
City <u>Seattle</u>	State <u>WA</u>	Zip Code <u>98105</u>	Sampler <u>James Chen</u>	Lab Contact <u>James Chen</u>	
Project Name and Location (State) <u>Chase Building / Auburn WA</u>			Billing Contact <u>Wick H. H. H.</u>		
Contract/Purchase Order/Quote No. <u>213207344</u>			Matrix	Containers & Preservatives	

Sample ID, and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Air			Aqueous			Unpres.	Containers & Preservatives					Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt
25 26-60-060314	6/10/14	1314						X								
26 25-50-060314		1327														
27 24-50-060314		1335														
28 23-50-060314		1345														
29 22-50-060314		1355														
30 21-50-060314		1401														
31 20-50-060314		1410														
32 19-50-060314		1435														
33 18-40-060314		1440														
34 17-40-060314		1452														
35 16-40-060314		1453														
36 15-40-060314		1504														

Cooler: ☐ Yes ☐ No Cooler Temp. _____ Turn Around Time Required (business days) ☐ 24 Hours ☐ 48 hours ☐ 5 days ☐ 10 days ☐ 15 days ☒ Other <u>72 hours</u>	Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown Sample Disposal: ☐ Return to Client ☐ Archive For _____ Months

1. Relinquished By: <u>Sign/Print</u> Date: <u>6/10/14</u> Time: <u>12:00</u>	1. Received By: <u>Sign/Print</u> Date: <u>6/10/14</u> Time: <u>12:00</u>
2. Relinquished By: <u>Sign/Print</u> Date: _____ Time: _____	2. Received By: <u>Sign/Print</u> Date: _____ Time: _____
3. Relinquished By: <u>Sign/Print</u> Date: _____ Time: _____	3. Received By: <u>Sign/Print</u> Date: _____ Time: _____

Comments: _____

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

TAL-8274-580 (02/10)

TestAmerica

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☐ Short Hold

Chain of
Custody Record

Client

Client Contact

Date

Chain of Custody Number

Address

Telephone Number (Area Code/Fax Number)

Lab Number

Page 4 of 4

City

State

Zip Code

Sampler

Service Location

Lab Contact

Matrix

Containers & Preservatives

Analysis (Attach list if above space is needed)

Special Instructions/
Conditions of Receipt

Project Name and Location (State)

Billing Contact

Withhold

Lab Contact

Matrix

Containers & Preservatives

Analysis (Attach list if above space is needed)

Special Instructions/
Conditions of Receipt

Contract/Purchase Order/Quote No.

Withhold

Lab Contact

Matrix

Containers & Preservatives

Analysis (Attach list if above space is needed)

Special Instructions/
Conditions of Receipt

Sample I.D. and Location/Description
(Containers for each sample may be combined on one line)

Date

Time

Air

Aqueous

Sed.

Soil

Unpres.

H2SO4

HNO3

HCl

NaOH

ZnAc/
NaOH

Headspace

Analysis (Attach list if above space is needed)

Special Instructions/
Conditions of Receipt

37-38-310-060214

6/03/2014

1512

38-310-060214

1520

39-310-060314

1525

40-310-060314

1546

41-310-060314

1600

42-310-060214

1605

43-310-060314

1610

44-310-060314

45-310-060314

46-310-060314

47-310-060314

48-310-060314

49-310-060314

50-310-060314

51-310-060314

52-310-060314

53-310-060314

54-310-060314

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Seattle
5755 8th Street E.
Tacoma, WA 98424
Tel. 253.922-2310
Fax 253.922-5047
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☐ Rush
☐ Short Hold

**Chain of
Custody Record**

7/3/2014

Client

Farrallon Consulting

Client Contact
Emerald Erickson-Mulvaney

Date
6/03/2014

Chain of Custody Number
22505

Address
975 5th Ave NW

Telephone Number (Area Code)/Fax Number
(425) 245-0500

Lab Number
V3867

Page 2 of 4

City

Issaquah

State
WA

Zip Code
98005

Sampler
Jerome Chen

Lab Contact
Steve Allen

Project Name and Location (State)

Glacier Recycling / Auburn, WA

Billing Contact
Nick Harbert

Special Instructions/
Conditions of Receipt

Contract/Purchase Order/Quote No.

2133073441

Sample ID and Location/Description
(Containers for each sample may be combined on one line)

Date
6/03/2014

Time
10:33

Matrix
Air

Containers & Preservatives
H2SO4
HNO3
HCl
NaOH
ZnAc/
NaOH
MeOH

TP-10-6.0-060314

1041

X

4

1

B9-5.0-060314

1100

C9-5.0-060314

1110

D9-5.0-060314

1117

E9-5.0-060314

1137

H9-5.0-060314

1207

G9-5.0-060314

1226

F9-5.0-060314

1227

I9-5.0-060314

1248

J8-5.0-060314

1255

J7-5.0-060314

1304

Cooler

Possible Hazard Identification

Sample Disposal

Analysis (Attach list if more space is needed)

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

Yes No Cooler Temp: _____

Non-Hazard Flammable

Skin Irritant

Poison B

Unknown

Return To Client

Disposal By Lab

Archive For _____ Months

Relinquished By Sign/Print

Date

Time

1. Received By Sign/Print

Francisco Luna, Jr.

Date

6/4/14

Time

Relinquished By Sign/Print

Date

Time

2. Received By Sign/Print

Date

Time

Relinquished By Sign/Print

Date

Time

3. Received By Sign/Print

Date

Time

Comments

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

TAL-8274-580 (0210)

Client

Fanallion Consulting

Client Contact

Emmale Erickson-Mulvaney

Date

6/03/2014

Chain of Custody Number

22506

7/3/2014

Address

975 5th Ave NW

Telephone Number (Area Code)/Fax Number

(425) 245-0800

Lab Number

43867

Page 3 of 4

City

Issaquah

State

WA

Zip Code

98005

Sampler

Jerome Chen

Lab Contact

Chris Allen

Analysis (Attach list if more space is needed)

Project Name and Location (State)

Glacier Recycling / Auburn, WA

Billing Contact

Wick Herbert

Contract/Purchase Order/Quote No.

2133073441

Matrix

Containers & Preservatives

Sample I.D. and Location/Description
(Containers for each sample may be combined on one line)

25 J6-6.0-060314

Date

6/03/2014

Time

1314

Air

Aqueous

Sed.

Soil

Unpres.

H2SO4

HNO3

HCl

NaOH

ZnAc/NaOH

MeOH

4

1

26 J5-5.0-060314

Date

6/03/2014

Time

1327

Air

Aqueous

Sed.

Soil

Unpres.

H2SO4

HNO3

HCl

NaOH

ZnAc/NaOH

MeOH

27 J4-5.0-060314

Date

6/03/2014

Time

1335

Air

Aqueous

Sed.

Soil

Unpres.

H2SO4

HNO3

HCl

NaOH

ZnAc/NaOH

MeOH

28 J3-5.0-060314

Date

6/03/2014

Time

1345

Air

Aqueous

Sed.

Soil

Unpres.

H2SO4

HNO3

HCl

NaOH

ZnAc/NaOH

MeOH

29 J2-5.0-060314

Date

6/03/2014

Time

1355

Air

Aqueous

Sed.

Soil

Unpres.

H2SO4

HNO3

HCl

NaOH

ZnAc/NaOH

MeOH

30 J1-5.0-060314

Date

6/03/2014

Time

1401

Air

Aqueous

Sed.

Soil

Unpres.

H2SO4

HNO3

HCl

NaOH

ZnAc/NaOH

MeOH

31 H1-5.0-060314

Date

6/03/2014

Time

1410

Air

Aqueous

Sed.

Soil

Unpres.

H2SO4

HNO3

HCl

NaOH

ZnAc/NaOH

MeOH

32 G8-1.5-060314

Date

6/03/2014

Time

1435

Air

Aqueous

Sed.

Soil

Unpres.

H2SO4

HNO3

HCl

NaOH

ZnAc/NaOH

MeOH

33 G8-4.0-060314

Date

6/03/2014

Time

1440

Air

Aqueous

Sed.

Soil

Unpres.

H2SO4

HNO3

HCl

NaOH

ZnAc/NaOH

MeOH

Client Farallon Consulting Address 975 5th Ave NW City Issaquah State WA Zip Code 98005		Client Contact Emerald Erickson - Mulanax Telephone Number (Area Code)/Fax Number (425) 295-0800		Date 6/03/2014		Chain of Custody Number 22507										
Project Name and Location (State) Gleazier Recycling Auburn, WA		Sampler Jerome Chan		Lab Contact Chris Allen		Lab Number V3887										
Contract/Purchase Order/Quote No. 2133073441		Billing Contact Nick Harbert				Page 4 of 4										
Sample I.D. and Location/Description (Containers for each sample may be combined on one line)		Date	Time	Matrix					Containers & Preservatives					Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt	
				Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH			Moose
I8-3.0-060314		6/03/2014	1512			X		4								Hold all samples, will email with analyzed.
I7-2.0-060314			1520													
I7-4.0-060314			1525													
D7-3.0-060314			1540													
E7-1.5-060314			1600													
E7-4.0-060314			1605													
F7-5.0-060314			1610													
TRIP BANKS																

Cooler ☐ Yes ☒ No Cooler Temp: _____ Possible Hazard Identification ☐ Non-Hazard ☐ Flammable		☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)	
Turn Around Time Required (business days) ☐ 24 Hours ☐ 48 Hours ☐ 5 Days ☐ 10 Days ☐ 15 Days ☐ Other _____		QC Requirements (Specify)	
1. Relinquished By Sign/Print _____ Date _____ Time _____ 2. Relinquished By Sign/Print _____ Date _____ Time _____ 3. Relinquished By Sign/Print _____ Date _____ Time _____		1. Received By Sign/Print _____ Date 6/4/14 Time 1336 2. Received By Sign/Print _____ Date _____ Time _____ 3. Received By Sign/Print _____ Date _____ Time _____	

Comments:

COOLER/DIG/IR cor 2.1 unc 2.6 COOLER/DIG/IR cor 2.3 unc 2.8 COOLER/DIG/IR cor 1.8 unc 2.1
Cooler Dsc Lg Green/Blue @ Lab 1530 Cooler Dsc Lg Blue/Yk Tr @ Lab 1530 Cooler Dsc Lg Blue/Gl Tr @ Lab 1530
WetPacks Packing Bubble Vics A1 WetPacks Packing Bubble Vics A1
WetPacks Packing Bubble Vics A1

TAL-8274-580 (0210)

Login Sample Receipt Checklist

Client: Farallon Consulting LLC

Job Number: 580-43867-3

Login Number: 43867

List Source: TestAmerica Seattle

List Number: 1

Creator: Presley, Kim A

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Seattle
5755 8th Street East
Tacoma, WA 98424
Tel: (253)922-2310

TestAmerica Job ID: 580-43878-3

Client Project/Site: Glacier Recycling/Auburn, WA

For:

Farallon Consulting LLC
975 5th Avenue NW
Suite 100
Issaquah, Washington 98027

Attn: Emerald Erickson-Mulanax



Authorized for release by:
6/30/2014 2:17:15 PM

Kristine Allen, Manager of Project Management
(253)248-4970
kristine.allen@testamericainc.com

LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Case Narrative

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Job ID: 580-43878-3

Laboratory: TestAmerica Seattle

Narrative

CASE NARRATIVE

Client: Farallon Consulting LLC
Project: Glacier Recycling/Auburn, WA
Report Number: 580-43878-3

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) resulting from a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are an unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes within the calibration range of the instrument or that reduces the interferences thereby enabling the quantification of target analytes.

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

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 06/05/2014; the samples arrived in good condition, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 3.8° C, 4.5° C and 4.6° C.

The container label for the following sample(s) did not match the information listed on the Chain-of-Custody (COC): H5-2.0-060414 (580-43878-11). The container labels list 'H5-2.5-0614,' while the COC lists 'H5-2.0-0614.' The sample is logged in per the information on the COC.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples I6-1.5-060414 (580-43878-8), I6-3.0-060414 (580-43878-9), H5-2.0-060414 (580-43878-11), H5-3.5-060414 (580-43878-12), I3-2.5-060414 (580-43878-18) and E2-1.5-060414 (580-43878-30) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were prepared on 06/05/2014 and 06/17/2014 and analyzed on 06/17/2014, 06/18/2014 and 06/22/2014.

Internal standard (ISTD) responses for the following sample(s) was outside control limits: H5-2.0-060414 (580-43878-11). In addition the surrogates 1,2-Dichloroethane-d4 (Surr), 4-Bromofluorobenzene (Surr) and Toluene-d8 failed the surrogate recovery criteria high for H5-2.0-060414 (580-43878-11). The sample(s) was re-extracted and re-analyzed with concurring results for all ISTD failures with the exception of Fluorobenzene which passed in the reanalysis, the original set of data has been reported as primary and the reanalysis was reported as secondary for all analytes associated with Fluorobenzene (IS group 158) due to reanalysis outside holding time. All data have been qualified and reported.

cis-1,3-Dichloropropene and cis-1,3-Dichloropropene exceeded the RPD limit for LCSD 580-161410/3-A. The individual recoveries met the acceptance criteria. No further action was taken on this outlier.

No other difficulties were encountered during the VOC analysis.

All other quality control parameters were within the acceptance limits.

Case Narrative

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Job ID: 580-43878-3 (Continued)

Laboratory: TestAmerica Seattle (Continued)

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples G7-1.5-060414 (580-43878-1), G7-3.0-060414 (580-43878-2), H6-1.5-60414 (580-43878-6), H6-4.0-60414 (580-43878-7), I6-1.5-060414 (580-43878-8), I6-3.0-060414 (580-43878-9), H5-2.0-060414 (580-43878-11), H5-3.5-060414 (580-43878-12), F3-1.5-060414 (580-43878-32) and F3-3.0-060414 (580-43878-33) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 06/17/2014 and analyzed on 06/20/2014 and 06/26/2014.

Samples G7-1.5-060414 (580-43878-1)[5X], H6-1.5-60414 (580-43878-6)[5X], I6-1.5-060414 (580-43878-8)[5X], H5-2.0-060414 (580-43878-11)[10X] and F3-1.5-060414 (580-43878-32)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The continuing calibration verification (CCV) associated with batch 580-161736 recovered above the upper control limit for Indeno(1,2,3-cd)pyrene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: (CCVIS 580-161736/3), (LCS 580-161395/2-A), (LCSD 580-161395/3-A), (MB 580-161395/1-A), F3-1.5-060414 (580-43878-32), F3-3.0-060414 (580-43878-33), G7-1.5-060414 (580-43878-1), G7-3.0-060414 (580-43878-2), H5-2.0-060414 (580-43878-11), H5-3.5-060414 (580-43878-12), H6-1.5-60414 (580-43878-6), H6-4.0-60414 (580-43878-7), I6-1.5-060414 (580-43878-8), I6-3.0-060414 (580-43878-9). Samples with hits for Indeno(1,2,3-cd)pyrene are reported in analytical batch 580-162312 which has passing CCV for this target.

No difficulties were encountered during the SVOC analysis.

All quality control parameters were within the acceptance limits.

GASOLINE RANGE ORGANICS (GRO)

Samples I6-1.5-060414 (580-43878-8), I6-3.0-060414 (580-43878-9), I3-2.5-060414 (580-43878-18) and E2-1.5-060414 (580-43878-30) were analyzed for gasoline range organics (GRO) in accordance with Method NWTPH-Gx. The samples were prepared on 06/17/2014 and analyzed on 06/18/2014.

No difficulties were encountered during the GRO analysis.

All quality control parameters were within the acceptance limits.

DIESEL AND EXTENDED RANGE ORGANICS

Samples G7-1.5-060414 (580-43878-1), G7-3.0-060414 (580-43878-2), H7-1.5-060414 (580-43878-3), H6-1.5-60414 (580-43878-6), H6-4.0-60414 (580-43878-7), I6-1.5-060414 (580-43878-8), I6-3.0-060414 (580-43878-9), H5-2.0-060414 (580-43878-11), H5-3.5-060414 (580-43878-12), G4-1.5-060414 (580-43878-14), H4-5.0-060414 (580-43878-16), I3-2.5-060414 (580-43878-18), G3-2.2-060414 (580-43878-21), H2-2.2-060414 (580-43878-24), F2-1.0-060414 (580-43878-28), E2-1.5-060414 (580-43878-30), F3-1.5-060414 (580-43878-32) and F3-3.0-060414 (580-43878-33) were analyzed for diesel and extended range organics in accordance with Method NWTPH-Dx. The samples were prepared on 06/17/2014 and analyzed on 06/18/2014.

Samples H5-2.0-060414 (580-43878-11)[10X] and F3-1.5-060414 (580-43878-32)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

In analytical batch 580-161504, for the following sample(s) from preparation batch 161365: H2-2.2-060414 (580-43878-24), I6-3.0-060414 (580-43878-9), the results in the Motor Oil (>C24-C36 range(s)) are due primarily to motor oil range products.

In analytical batch 580-161504, for the following sample(s) from preparation batch 161365: E2-1.5-060414 (580-43878-30), F2-1.0-060414 (580-43878-28), F3-1.5-060414 (580-43878-32), G3-2.2-060414 (580-43878-21), G4-1.5-060414 (580-43878-14), G7-1.5-060414 (580-43878-1), G7-3.0-060414 (580-43878-2), H5-2.0-060414 (580-43878-11), H7-1.5-060414 (580-43878-3), I3-2.5-060414 (580-43878-18), I6-1.5-060414 (580-43878-8), the results in the #2 Diesel Fuel (C10-C24) and Motor Oil (>C24-C36) range(s) are due to what most closely resembles a complex mixture of weathered/degraded diesel fuel and motor oil range products.

No difficulties were encountered during the diesel and extended range organics analysis.

All quality control parameters were within the acceptance limits.

Case Narrative

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Job ID: 580-43878-3 (Continued)

Laboratory: TestAmerica Seattle (Continued)

HCID

Samples G7-1.5-060414 (580-43878-1), H7-1.5-060414 (580-43878-3), H6-1.5-060414 (580-43878-6), I6-1.5-060414 (580-43878-8), I5-3.0-060414 (580-43878-10), H5-2.0-060414 (580-43878-11), G5-4.0-060414 (580-43878-13), G4-1.5-060414 (580-43878-14), H4-5.0-060414 (580-43878-16), I4-4.0-060414 (580-43878-17), I3-2.5-060414 (580-43878-18), H3-4.0-060414 (580-43878-20), G3-2.2-060414 (580-43878-21), G2-4.0-060414 (580-43878-23), H2-2.2-060414 (580-43878-24), G1-3.0-060414 (580-43878-26), F1-3.0-060414 (580-43878-27), F2-1.0-060414 (580-43878-28), E2-1.5-060414 (580-43878-30) and F3-1.5-060414 (580-43878-32) were analyzed for HCID in accordance with NWTPH-HCID. The samples were prepared on 06/10/2014 and 06/13/2014 and analyzed on 06/12/2014 and 06/14/2014.

Samples G7-1.5-060414 (580-43878-1)[10X], H6-1.5-060414 (580-43878-6)[10X], H5-2.0-060414 (580-43878-11)[50X], F2-1.0-060414 (580-43878-28)[10X] and F3-1.5-060414 (580-43878-32)[50X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

In analytical batch 580-160922, surrogate recovery of 4-bromofluorobenzene for the following samples was outside control limits: H5-2.0-060414 (580-43878-11). Evidence of matrix interference is present as this sample required a 50X dilution due to nature of the sample extract; therefore, re-extraction and/or re-analysis was not performed.

In analytical batch 580-160922, for the following sample(s) from preparation batch 580-160725: (580-43878-1 DU), G7-1.5-060414 (580-43878-1), F3-1.5-060414 (580-43878-32), H2-2.2-060414 (580-43878-24), H5-2.0-060414 (580-43878-11), the results in the Motor Oil (>C24-C36) range is due to what most closely resembles a complex mixture of motor oil range products.

In analytical batch 580-160922, for the following sample(s) from preparation batch 580-160725: G3-2.2-060414 (580-43878-21), G4-1.5-060414 (580-43878-14), H6-1.5-060414 (580-43878-6), H7-1.5-060414 (580-43878-3), the results in the #2 Diesel Fuel (C10-C24) and Motor Oil (>C24-C36) range(s) are due to what most closely resembles a complex mixture of weathered/degraded diesel fuel and motor oil range products.

In analytical batch 580-160922, for the following sample(s) from preparation batch 580-160725: E2-1.5-060414 (580-43878-30), I3-2.5-060414 (580-43878-18), I6-1.5-060414 (580-43878-8), the results in the gasoline through toluene, #2 Diesel Fuel (C10-C24) and Motor Oil (>C24-C36) range(s) are due to what most closely resembles a complex mixture of a weathered gasoline product, weathered/degraded diesel fuel, and motor oil range products.

In analytical batch 580-160922, the duplicate (DUP) recovery was outside control limits for the Motor Oil (>C24-C36) range by 1 %. Sample matrix interference is suspected based on the results of the chromatograms.

No other difficulties were encountered during the HCID analysis.

All other quality control parameters were within the acceptance limits.

TOTAL METALS (ICP)

Samples G7-1.5-060414 (580-43878-1), H7-1.5-060414 (580-43878-3), H6-1.5-060414 (580-43878-6), I6-1.5-060414 (580-43878-8), I5-3.0-060414 (580-43878-10), H5-2.0-060414 (580-43878-11), G5-4.0-060414 (580-43878-13), G4-1.5-060414 (580-43878-14), H4-5.0-060414 (580-43878-16), I4-4.0-060414 (580-43878-17), I3-2.5-060414 (580-43878-18), H3-4.0-060414 (580-43878-20), G3-2.2-060414 (580-43878-21), G2-4.0-060414 (580-43878-23), H2-2.2-060414 (580-43878-24), G1-3.0-060414 (580-43878-26), F1-3.0-060414 (580-43878-27), F2-1.0-060414 (580-43878-28), E2-1.5-060414 (580-43878-30) and F3-1.5-060414 (580-43878-32) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 06/17/2014 and 06/18/2014 and analyzed on 06/18/2014 and 06/19/2014.

Cadmium failed the recovery criteria low for the MS/MSD of sample H4-5.0-060414MS (580-43878-16) in batch 580-161679. The associated lab control sample met the acceptance criteria.

In analytical batch 580-161679, for the following samples from preparation batch 580-161540: The duplicate (DUP) recovery was outside control limits for Arsenic and Lead. The sample may not be homogeneous.

The absolute response for cadmium was greater than the method reporting limit (RL) in the following sample(s): I3-2.5-060414 (580-43878-18). The instrument raw data has been manually reviewed and the result can be reported as ND.

Case Narrative

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Job ID: 580-43878-3 (Continued)

Laboratory: TestAmerica Seattle (Continued)

No other difficulties were encountered during the metals analysis.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples G7-1.5-060414 (580-43878-1), H7-1.5-060414 (580-43878-3), H6-1.5-60414 (580-43878-6), I6-1.5-060414 (580-43878-8), I5-3.0-060414 (580-43878-10), H5-2.0-060414 (580-43878-11), G5-4.0-060414 (580-43878-13), G4-1.5-060414 (580-43878-14), H4-5.0-060414 (580-43878-16), I4-4.0-060414 (580-43878-17), I3-2.5-060414 (580-43878-18), H3-4.0-060414 (580-43878-20), G3-2.2-060414 (580-43878-21), G2-4.0-060414 (580-43878-23), H2-2.2-060414 (580-43878-24), G1-3.0-060414 (580-43878-26), F1-3.0-060414 (580-43878-27), F2-1.0-060414 (580-43878-28), E2-1.5-060414 (580-43878-30) and F3-1.5-060414 (580-43878-32) were analyzed for total mercury in accordance with EPA SW-846 Method 7471A. The samples were prepared and analyzed on 06/17/2014.

Mercury exceeded the RPD limit for the duplicate of sample G7-1.5-060414DU (580-43878-1). The sample may not be homogeneous.

No other difficulties were encountered during the mercury analysis.

All other quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples G7-1.5-060414 (580-43878-1), G7-3.0-060414 (580-43878-2), H7-1.5-060414 (580-43878-3), H6-1.5-60414 (580-43878-6), H6-4.0-60414 (580-43878-7), I6-1.5-060414 (580-43878-8), I6-3.0-060414 (580-43878-9), I5-3.0-060414 (580-43878-10), H5-2.0-060414 (580-43878-11), H5-3.5-060414 (580-43878-12), G5-4.0-060414 (580-43878-13), G4-1.5-060414 (580-43878-14), H4-5.0-060414 (580-43878-16), I4-4.0-060414 (580-43878-17), I3-2.5-060414 (580-43878-18), H3-4.0-060414 (580-43878-20), G3-2.2-060414 (580-43878-21), G2-4.0-060414 (580-43878-23), H2-2.2-060414 (580-43878-24), G1-3.0-060414 (580-43878-26), F1-3.0-060414 (580-43878-27), F2-1.0-060414 (580-43878-28), E2-1.5-060414 (580-43878-30), F3-1.5-060414 (580-43878-32) and F3-3.0-060414 (580-43878-33) were analyzed for percent solids in accordance with ASTM D2216. The samples were analyzed on 06/11/2014, 06/13/2014 and 06/19/2014.

No difficulties were encountered during the % solids analysis.

All quality control parameters were within the acceptance limits.

Definitions/Glossary

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	ISTD response or retention time outside acceptable limits
X	Surrogate is outside control limits
*	RPD of the LCS and LCSD exceeds the control limits
H	Sample was prepped or analyzed beyond the specified holding time

GC/MS Semi VOA

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.

GC Semi VOA

Qualifier	Qualifier Description
Y	The chromatographic response resembles a typical fuel pattern.
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
F3	Duplicate RPD exceeds the control limit
F1	MS and/or MSD Recovery exceeds the control limits
L	A negative instrument reading had an absolute value greater than the reporting limit

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Client Sample ID: G7-1.5-060414

Lab Sample ID: 580-43878-1

Date Collected: 06/04/14 08:58

Matrix: Solid

Date Received: 06/05/14 16:30

Percent Solids: 89.1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		110		ug/Kg	☼	06/17/14 10:53	06/20/14 17:27	5
Chrysene	ND		140		ug/Kg	☼	06/17/14 10:53	06/20/14 17:27	5
Benzo[a]pyrene	ND		170		ug/Kg	☼	06/17/14 10:53	06/20/14 17:27	5
Indeno[1,2,3-cd]pyrene	ND	^	220		ug/Kg	☼	06/17/14 10:53	06/20/14 17:27	5
Dibenz(a,h)anthracene	ND		220		ug/Kg	☼	06/17/14 10:53	06/20/14 17:27	5
Benzo[b]fluoranthene	ND		110		ug/Kg	☼	06/17/14 10:53	06/20/14 17:27	5
Benzo[k]fluoranthene	ND		140		ug/Kg	☼	06/17/14 10:53	06/20/14 17:27	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	98		42 - 151	06/17/14 10:53	06/20/14 17:27	5

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	100	Y	27		mg/Kg	☼	06/17/14 09:00	06/18/14 13:00	1
Motor Oil (>C24-C36)	1000	Y	54		mg/Kg	☼	06/17/14 09:00	06/18/14 13:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	76		50 - 150	06/17/14 09:00	06/18/14 13:00	1

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	2100	Y	1100		mg/Kg	☼	06/10/14 08:48	06/12/14 03:53	10
Gasoline	ND		220		mg/Kg	☼	06/10/14 08:48	06/12/14 03:53	10
#2 Diesel (>C12-C24)	ND		540		mg/Kg	☼	06/10/14 08:48	06/12/14 03:53	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	92		50 - 150	06/10/14 08:48	06/12/14 03:53	10
4-Bromofluorobenzene (Surr)	65		50 - 150	06/10/14 08:48	06/12/14 03:53	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.4		3.1		mg/Kg	☼	06/17/14 13:52	06/18/14 12:16	1
Cadmium	ND		1.0		mg/Kg	☼	06/17/14 13:52	06/18/14 12:16	1
Chromium	27		1.3		mg/Kg	☼	06/17/14 13:52	06/18/14 12:16	1
Lead	13		1.5		mg/Kg	☼	06/17/14 13:52	06/18/14 12:16	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.038		0.015		mg/Kg	☼	06/17/14 10:47	06/17/14 13:10	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	89		0.10		%			06/11/14 09:02	1
Percent Moisture	11		0.10		%			06/11/14 09:02	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Client Sample ID: G7-3.0-060414

Lab Sample ID: 580-43878-2

Date Collected: 06/04/14 09:04

Matrix: Solid

Date Received: 06/05/14 16:30

Percent Solids: 94.4

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		20		ug/Kg	☼	06/17/14 10:53	06/20/14 17:47	1
Chrysene	ND		25		ug/Kg	☼	06/17/14 10:53	06/20/14 17:47	1
Benzo[a]pyrene	ND		31		ug/Kg	☼	06/17/14 10:53	06/20/14 17:47	1
Indeno[1,2,3-cd]pyrene	ND	^	41		ug/Kg	☼	06/17/14 10:53	06/20/14 17:47	1
Dibenz(a,h)anthracene	ND		41		ug/Kg	☼	06/17/14 10:53	06/20/14 17:47	1
Benzo[b]fluoranthene	ND		20		ug/Kg	☼	06/17/14 10:53	06/20/14 17:47	1
Benzo[k]fluoranthene	ND		25		ug/Kg	☼	06/17/14 10:53	06/20/14 17:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	89		42 - 151	06/17/14 10:53	06/20/14 17:47	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	39	Y	26		mg/Kg	☼	06/17/14 09:00	06/18/14 13:16	1
Motor Oil (>C24-C36)	430	Y	52		mg/Kg	☼	06/17/14 09:00	06/18/14 13:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	78		50 - 150	06/17/14 09:00	06/18/14 13:16	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	94		0.10		%	—		06/19/14 11:17	1
Percent Moisture	5.6		0.10		%			06/19/14 11:17	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Client Sample ID: H7-1.5-060414

Lab Sample ID: 580-43878-3

Date Collected: 06/04/14 09:16

Matrix: Solid

Date Received: 06/05/14 16:30

Percent Solids: 84.5

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	70	Y	28		mg/Kg	☼	06/17/14 09:00	06/18/14 13:31	1
Motor Oil (>C24-C36)	450	Y	56		mg/Kg	☼	06/17/14 09:00	06/18/14 13:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	76		50 - 150				06/17/14 09:00	06/18/14 13:31	1

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	430	Y	120		mg/Kg	☼	06/10/14 08:48	06/12/14 04:31	1
Gasoline	ND		23		mg/Kg	☼	06/10/14 08:48	06/12/14 04:31	1
#2 Diesel (>C12-C24)	85	Y	58		mg/Kg	☼	06/10/14 08:48	06/12/14 04:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	87		50 - 150				06/10/14 08:48	06/12/14 04:31	1
4-Bromofluorobenzene (Surr)	55		50 - 150				06/10/14 08:48	06/12/14 04:31	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.5		3.3		mg/Kg	☼	06/17/14 13:52	06/18/14 12:19	1
Cadmium	ND		1.1		mg/Kg	☼	06/17/14 13:52	06/18/14 12:19	1
Chromium	220		1.4		mg/Kg	☼	06/17/14 13:52	06/18/14 12:19	1
Lead	22		1.6		mg/Kg	☼	06/17/14 13:52	06/18/14 12:19	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.057		0.015		mg/Kg	☼	06/17/14 10:47	06/17/14 13:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	85		0.10		%			06/11/14 09:02	1
Percent Moisture	15		0.10		%			06/11/14 09:02	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Client Sample ID: H6-1.5-60414

Lab Sample ID: 580-43878-6

Date Collected: 06/04/14 10:36

Matrix: Solid

Date Received: 06/05/14 16:30

Percent Solids: 72.6

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	1300		130		ug/Kg	☼	06/17/14 10:53	06/26/14 16:36	5
Chrysene	1500		170		ug/Kg	☼	06/17/14 10:53	06/26/14 16:36	5
Benzo[a]pyrene	1200		200		ug/Kg	☼	06/17/14 10:53	06/26/14 16:36	5
Indeno[1,2,3-cd]pyrene	770		270		ug/Kg	☼	06/17/14 10:53	06/26/14 16:36	5
Dibenz(a,h)anthracene	ND		270		ug/Kg	☼	06/17/14 10:53	06/26/14 16:36	5
Benzo[b]fluoranthene	1200		130		ug/Kg	☼	06/17/14 10:53	06/26/14 16:36	5
Benzo[k]fluoranthene	480		170		ug/Kg	☼	06/17/14 10:53	06/26/14 16:36	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	90		42 - 151	06/17/14 10:53	06/26/14 16:36	5

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	760		33		mg/Kg	☼	06/17/14 09:00	06/18/14 13:47	1
Motor Oil (>C24-C36)	3300		67		mg/Kg	☼	06/17/14 09:00	06/18/14 13:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	63		50 - 150	06/17/14 09:00	06/18/14 13:47	1

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	5400	Y	1300		mg/Kg	☼	06/10/14 08:48	06/12/14 04:49	10
Gasoline	ND		270		mg/Kg	☼	06/10/14 08:48	06/12/14 04:49	10
#2 Diesel (>C12-C24)	800	Y	660		mg/Kg	☼	06/10/14 08:48	06/12/14 04:49	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	85		50 - 150	06/10/14 08:48	06/12/14 04:49	10
4-Bromofluorobenzene (Surr)	57		50 - 150	06/10/14 08:48	06/12/14 04:49	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	30		3.7		mg/Kg	☼	06/17/14 13:52	06/18/14 12:22	1
Cadmium	ND		1.2		mg/Kg	☼	06/17/14 13:52	06/18/14 12:22	1
Chromium	33		1.6		mg/Kg	☼	06/17/14 13:52	06/18/14 12:22	1
Lead	140		1.8		mg/Kg	☼	06/17/14 13:52	06/18/14 12:22	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.65		0.020		mg/Kg	☼	06/17/14 10:47	06/17/14 13:23	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	73		0.10		%	—		06/11/14 09:02	1
Percent Moisture	27		0.10		%	—		06/11/14 09:02	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Client Sample ID: H6-4.0-60414

Lab Sample ID: 580-43878-7

Date Collected: 06/04/14 10:45

Matrix: Solid

Date Received: 06/05/14 16:30

Percent Solids: 93.1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		21		ug/Kg	☼	06/17/14 10:53	06/20/14 18:28	1
Chrysene	ND		27		ug/Kg	☼	06/17/14 10:53	06/20/14 18:28	1
Benzo[a]pyrene	ND		32		ug/Kg	☼	06/17/14 10:53	06/20/14 18:28	1
Indeno[1,2,3-cd]pyrene	ND	^	43		ug/Kg	☼	06/17/14 10:53	06/20/14 18:28	1
Dibenz(a,h)anthracene	ND		43		ug/Kg	☼	06/17/14 10:53	06/20/14 18:28	1
Benzo[b]fluoranthene	ND		21		ug/Kg	☼	06/17/14 10:53	06/20/14 18:28	1
Benzo[k]fluoranthene	ND		27		ug/Kg	☼	06/17/14 10:53	06/20/14 18:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	92		42 - 151	06/17/14 10:53	06/20/14 18:28	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		26		mg/Kg	☼	06/17/14 09:00	06/18/14 14:02	1
Motor Oil (>C24-C36)	ND		51		mg/Kg	☼	06/17/14 09:00	06/18/14 14:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	76		50 - 150	06/17/14 09:00	06/18/14 14:02	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	93		0.10		%	—		06/19/14 11:17	1
Percent Moisture	6.9		0.10		%	—		06/19/14 11:17	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Client Sample ID: I6-1.5-060414

Lab Sample ID: 580-43878-8

Date Collected: 06/04/14 11:10

Matrix: Solid

Date Received: 06/05/14 16:30

Percent Solids: 66.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		21		ug/Kg	☼	06/17/14 08:29	06/17/14 20:29	1
Toluene	66		52		ug/Kg	☼	06/17/14 08:29	06/17/14 20:29	1
Ethylbenzene	ND		52		ug/Kg	☼	06/17/14 08:29	06/17/14 20:29	1
m-Xylene & p-Xylene	130		52		ug/Kg	☼	06/17/14 08:29	06/17/14 20:29	1
o-Xylene	67		52		ug/Kg	☼	06/17/14 08:29	06/17/14 20:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		80 - 120	06/17/14 08:29	06/17/14 20:29	1
4-Bromofluorobenzene (Surr)	101		70 - 120	06/17/14 08:29	06/17/14 20:29	1
Dibromofluoromethane (Surr)	91		75 - 132	06/17/14 08:29	06/17/14 20:29	1
1,2-Dichloroethane-d4 (Surr)	99		71 - 136	06/17/14 08:29	06/17/14 20:29	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	2600		140		ug/Kg	☼	06/17/14 10:53	06/26/14 17:02	5
Chrysene	2800		180		ug/Kg	☼	06/17/14 10:53	06/26/14 17:02	5
Benzo[a]pyrene	2200		220		ug/Kg	☼	06/17/14 10:53	06/26/14 17:02	5
Indeno[1,2,3-cd]pyrene	1500		290		ug/Kg	☼	06/17/14 10:53	06/26/14 17:02	5
Dibenz(a,h)anthracene	ND		290		ug/Kg	☼	06/17/14 10:53	06/26/14 17:02	5
Benzo[b]fluoranthene	2900		140		ug/Kg	☼	06/17/14 10:53	06/26/14 17:02	5
Benzo[k]fluoranthene	1200		180		ug/Kg	☼	06/17/14 10:53	06/26/14 17:02	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	107		42 - 151	06/17/14 10:53	06/26/14 17:02	5

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	14		5.3		mg/Kg	☼	06/17/14 13:03	06/18/14 12:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		50 - 150	06/17/14 13:03	06/18/14 12:06	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	490	Y	37		mg/Kg	☼	06/17/14 09:00	06/18/14 14:18	1
Motor Oil (>C24-C36)	3500	Y	74		mg/Kg	☼	06/17/14 09:00	06/18/14 14:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	77		50 - 150	06/17/14 09:00	06/18/14 14:18	1

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	2700	Y	150		mg/Kg	☼	06/10/14 08:48	06/12/14 05:08	1
Gasoline	54	Y	30		mg/Kg	☼	06/10/14 08:48	06/12/14 05:08	1
#2 Diesel (>C12-C24)	430	Y	75		mg/Kg	☼	06/10/14 08:48	06/12/14 05:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	78		50 - 150	06/10/14 08:48	06/12/14 05:08	1
4-Bromofluorobenzene (Surr)	54		50 - 150	06/10/14 08:48	06/12/14 05:08	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Client Sample ID: I6-1.5-060414

Lab Sample ID: 580-43878-8

Date Collected: 06/04/14 11:10

Matrix: Solid

Date Received: 06/05/14 16:30

Percent Solids: 66.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	25		3.3		mg/Kg	☼	06/17/14 13:52	06/18/14 12:26	1
Cadmium	ND		1.1		mg/Kg	☼	06/17/14 13:52	06/18/14 12:26	1
Chromium	35		1.4		mg/Kg	☼	06/17/14 13:52	06/18/14 12:26	1
Lead	150		1.6		mg/Kg	☼	06/17/14 13:52	06/18/14 12:26	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.37		0.020		mg/Kg	☼	06/17/14 10:47	06/17/14 13:25	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	66		0.10		%	—		06/11/14 09:02	1
Percent Moisture	34		0.10		%	—		06/11/14 09:02	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Client Sample ID: I6-3.0-060414

Lab Sample ID: 580-43878-9

Date Collected: 06/04/14 11:05

Matrix: Solid

Date Received: 06/05/14 16:30

Percent Solids: 85.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		12		ug/Kg	☼	06/17/14 08:29	06/17/14 20:56	1
Toluene	ND		30		ug/Kg	☼	06/17/14 08:29	06/17/14 20:56	1
Ethylbenzene	ND		30		ug/Kg	☼	06/17/14 08:29	06/17/14 20:56	1
m-Xylene & p-Xylene	ND		30		ug/Kg	☼	06/17/14 08:29	06/17/14 20:56	1
o-Xylene	ND		30		ug/Kg	☼	06/17/14 08:29	06/17/14 20:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		80 - 120	06/17/14 08:29	06/17/14 20:56	1
4-Bromofluorobenzene (Surr)	101		70 - 120	06/17/14 08:29	06/17/14 20:56	1
Dibromofluoromethane (Surr)	94		75 - 132	06/17/14 08:29	06/17/14 20:56	1
1,2-Dichloroethane-d4 (Surr)	101		71 - 136	06/17/14 08:29	06/17/14 20:56	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		23		ug/Kg	☼	06/17/14 10:53	06/20/14 19:09	1
Chrysene	ND		29		ug/Kg	☼	06/17/14 10:53	06/20/14 19:09	1
Benzo[a]pyrene	ND		34		ug/Kg	☼	06/17/14 10:53	06/20/14 19:09	1
Indeno[1,2,3-cd]pyrene	ND	^	46		ug/Kg	☼	06/17/14 10:53	06/20/14 19:09	1
Dibenz(a,h)anthracene	ND		46		ug/Kg	☼	06/17/14 10:53	06/20/14 19:09	1
Benzo[b]fluoranthene	ND		23		ug/Kg	☼	06/17/14 10:53	06/20/14 19:09	1
Benzo[k]fluoranthene	ND		29		ug/Kg	☼	06/17/14 10:53	06/20/14 19:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	97		42 - 151	06/17/14 10:53	06/20/14 19:09	1

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		3.0		mg/Kg	☼	06/17/14 13:03	06/18/14 12:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		50 - 150	06/17/14 13:03	06/18/14 12:39	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND	Y	28		mg/Kg	☼	06/17/14 09:00	06/18/14 14:34	1
Motor Oil (>C24-C36)	77	Y	56		mg/Kg	☼	06/17/14 09:00	06/18/14 14:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	74		50 - 150	06/17/14 09:00	06/18/14 14:34	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	85		0.10		%	—		06/19/14 11:17	1
Percent Moisture	15		0.10		%			06/19/14 11:17	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Client Sample ID: I5-3.0-060414

Lab Sample ID: 580-43878-10

Date Collected: 06/04/14 11:18

Matrix: Solid

Date Received: 06/05/14 16:30

Percent Solids: 86.0

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	ND		110		mg/Kg	☼	06/10/14 08:48	06/12/14 05:27	1
Gasoline	ND		22		mg/Kg	☼	06/10/14 08:48	06/12/14 05:27	1
#2 Diesel (>C12-C24)	ND		56		mg/Kg	☼	06/10/14 08:48	06/12/14 05:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	92		50 - 150				06/10/14 08:48	06/12/14 05:27	1
4-Bromofluorobenzene (Surr)	54		50 - 150				06/10/14 08:48	06/12/14 05:27	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.2		2.4		mg/Kg	☼	06/17/14 13:52	06/18/14 12:29	1
Cadmium	ND		0.80		mg/Kg	☼	06/17/14 13:52	06/18/14 12:29	1
Chromium	25		1.0		mg/Kg	☼	06/17/14 13:52	06/18/14 12:29	1
Lead	5.6		1.2		mg/Kg	☼	06/17/14 13:52	06/18/14 12:29	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.045		0.017		mg/Kg	☼	06/17/14 10:47	06/17/14 13:33	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	86		0.10		%	—		06/11/14 09:02	1
Percent Moisture	14		0.10		%			06/11/14 09:02	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Client Sample ID: H5-2.0-060414

Lab Sample ID: 580-43878-11

Date Collected: 06/04/14 11:38

Matrix: Solid

Date Received: 06/05/14 16:30

Percent Solids: 88.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND	*	1.3		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
Chloromethane	ND	*	1.3		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
Vinyl chloride	ND	*	1.3		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
Bromomethane	ND	*	1.3		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
Chloroethane	ND	*	1.3		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
Trichlorofluoromethane	ND	*	1.3		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
1,1-Dichloroethene	ND	*	6.7		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
Methylene Chloride	ND	*	20		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
trans-1,2-Dichloroethene	ND	*	1.3		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
1,1-Dichloroethane	ND	*	1.3		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
2,2-Dichloropropane	ND	*	6.7		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
cis-1,2-Dichloroethene	ND	*	1.3		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
Chlorobromomethane	ND	*	2.7		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
Chloroform	ND	*	1.3		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
1,1,1-Trichloroethane	ND	*	1.3		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
Carbon tetrachloride	ND	*	1.3		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
1,1-Dichloropropene	ND	*	1.3		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
Benzene	ND	*	1.3		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
1,2-Dichloroethane	ND	*	1.3		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
Trichloroethene	ND	*	1.3		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
1,2-Dichloropropane	ND	*	1.3		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
Dibromomethane	ND	*	1.3		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
Dichlorobromomethane	ND	*	1.3		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
cis-1,3-Dichloropropene	ND	*	1.3		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
Toluene	4.1	*	2.7		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
trans-1,3-Dichloropropene	ND	*	1.3		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
1,1,2-Trichloroethane	ND	*	2.7		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
Tetrachloroethene	ND	*	1.3		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
1,3-Dichloropropane	ND	*	2.7		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
Chlorodibromomethane	ND	*	2.7		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
Ethylene Dibromide	ND	*	1.3		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
Chlorobenzene	ND	*	1.3		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
Ethylbenzene	ND	*	1.3		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
1,1,1,2-Tetrachloroethane	ND	*	1.3		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
1,1,2,2-Tetrachloroethane	ND	*	2.7		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
m-Xylene & p-Xylene	ND	*	2.7		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
o-Xylene	ND	*	2.7		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
Styrene	ND	*	2.7		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
Bromoform	ND	*	1.3		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
Isopropylbenzene	ND	*	2.7		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
Bromobenzene	ND	*	2.7		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
N-Propylbenzene	ND	*	2.7		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
1,2,3-Trichloropropane	ND	*	1.3		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
2-Chlorotoluene	ND	*	2.7		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
1,3,5-Trimethylbenzene	ND	*	6.7		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
4-Chlorotoluene	ND	*	2.7		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
tert-Butylbenzene	ND	*	2.7		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
1,2,4-Trimethylbenzene	ND	*	2.7		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
sec-Butylbenzene	ND	*	2.7		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Client Sample ID: H5-2.0-060414

Lab Sample ID: 580-43878-11

Date Collected: 06/04/14 11:38

Matrix: Solid

Date Received: 06/05/14 16:30

Percent Solids: 88.4

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND	*	2.7		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
4-Isopropyltoluene	ND	*	2.7		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
1,4-Dichlorobenzene	ND	*	1.3		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
n-Butylbenzene	ND	*	2.7		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
1,2-Dichlorobenzene	ND	*	2.7		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
1,2-Dibromo-3-Chloropropane	ND	*	2.7		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
1,2,4-Trichlorobenzene	ND	*	2.7		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
1,2,3-Trichlorobenzene	ND	*	2.7		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
Hexachlorobutadiene	ND	*	2.7		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
Naphthalene	ND	*	6.7		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1
Methyl tert-butyl ether	ND	*	1.3		ug/Kg	☼	06/05/14 16:40	06/17/14 22:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	144	X *	80 - 120	06/05/14 16:40	06/17/14 22:08	1
4-Bromofluorobenzene (Surr)	159	* X	70 - 120	06/05/14 16:40	06/17/14 22:08	1
Dibromofluoromethane (Surr)	130	*	75 - 132	06/05/14 16:40	06/17/14 22:08	1
Trifluorotoluene (Surr)	83	*	65 - 140	06/05/14 16:40	06/17/14 22:08	1
1,2-Dichloroethane-d4 (Surr)	148	X *	71 - 136	06/05/14 16:40	06/17/14 22:08	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND	H	1.5		ug/Kg	☼	06/05/14 16:40	06/22/14 17:15	1
Chloromethane	ND	H	1.5		ug/Kg	☼	06/05/14 16:40	06/22/14 17:15	1
Vinyl chloride	ND	H	1.5		ug/Kg	☼	06/05/14 16:40	06/22/14 17:15	1
Bromomethane	ND	H	1.5		ug/Kg	☼	06/05/14 16:40	06/22/14 17:15	1
Chloroethane	ND	H	1.5		ug/Kg	☼	06/05/14 16:40	06/22/14 17:15	1
Trichlorofluoromethane	ND	H	1.5		ug/Kg	☼	06/05/14 16:40	06/22/14 17:15	1
1,1-Dichloroethene	ND	H	7.4		ug/Kg	☼	06/05/14 16:40	06/22/14 17:15	1
Methylene Chloride	ND	H	22		ug/Kg	☼	06/05/14 16:40	06/22/14 17:15	1
trans-1,2-Dichloroethene	ND	H	1.5		ug/Kg	☼	06/05/14 16:40	06/22/14 17:15	1
1,1-Dichloroethane	ND	H	1.5		ug/Kg	☼	06/05/14 16:40	06/22/14 17:15	1
2,2-Dichloropropane	ND	H	7.4		ug/Kg	☼	06/05/14 16:40	06/22/14 17:15	1
cis-1,2-Dichloroethene	ND	H	1.5		ug/Kg	☼	06/05/14 16:40	06/22/14 17:15	1
Chlorobromomethane	ND	H	3.0		ug/Kg	☼	06/05/14 16:40	06/22/14 17:15	1
Chloroform	ND	H	1.5		ug/Kg	☼	06/05/14 16:40	06/22/14 17:15	1
1,1,1-Trichloroethane	ND	H	1.5		ug/Kg	☼	06/05/14 16:40	06/22/14 17:15	1
Carbon tetrachloride	ND	H	1.5		ug/Kg	☼	06/05/14 16:40	06/22/14 17:15	1
1,1-Dichloropropene	ND	H	1.5		ug/Kg	☼	06/05/14 16:40	06/22/14 17:15	1
Benzene	ND	H	1.5		ug/Kg	☼	06/05/14 16:40	06/22/14 17:15	1
1,2-Dichloroethane	ND	H	1.5		ug/Kg	☼	06/05/14 16:40	06/22/14 17:15	1
Trichloroethene	ND	H	1.5		ug/Kg	☼	06/05/14 16:40	06/22/14 17:15	1
1,2-Dichloropropane	ND	H	1.5		ug/Kg	☼	06/05/14 16:40	06/22/14 17:15	1
Dibromomethane	ND	H	1.5		ug/Kg	☼	06/05/14 16:40	06/22/14 17:15	1
Dichlorobromomethane	ND	H	1.5		ug/Kg	☼	06/05/14 16:40	06/22/14 17:15	1
Methyl tert-butyl ether	ND	H	1.5		ug/Kg	☼	06/05/14 16:40	06/22/14 17:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	120		75 - 132	06/05/14 16:40	06/22/14 17:15	1
Trifluorotoluene (Surr)	77		65 - 140	06/05/14 16:40	06/22/14 17:15	1
1,2-Dichloroethane-d4 (Surr)	135		71 - 136	06/05/14 16:40	06/22/14 17:15	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Client Sample ID: H5-2.0-060414

Lab Sample ID: 580-43878-11

Date Collected: 06/04/14 11:38

Matrix: Solid

Date Received: 06/05/14 16:30

Percent Solids: 88.4

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	530		220		ug/Kg	☼	06/17/14 10:53	06/20/14 19:29	10
Chrysene	3200		270		ug/Kg	☼	06/17/14 10:53	06/20/14 19:29	10
Benzo[a]pyrene	ND		330		ug/Kg	☼	06/17/14 10:53	06/20/14 19:29	10
Indeno[1,2,3-cd]pyrene	ND	^	440		ug/Kg	☼	06/17/14 10:53	06/20/14 19:29	10
Dibenz[a,h]anthracene	ND		440		ug/Kg	☼	06/17/14 10:53	06/20/14 19:29	10
Benzo[b]fluoranthene	ND		220		ug/Kg	☼	06/17/14 10:53	06/20/14 19:29	10
Benzo[k]fluoranthene	ND		270		ug/Kg	☼	06/17/14 10:53	06/20/14 19:29	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	101		42 - 151	06/17/14 10:53	06/20/14 19:29	10

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	1500	Y	280		mg/Kg	☼	06/17/14 09:00	06/18/14 15:05	10
Motor Oil (>C24-C36)	18000	Y	550		mg/Kg	☼	06/17/14 09:00	06/18/14 15:05	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	55		50 - 150	06/17/14 09:00	06/18/14 15:05	10

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	21000	Y	5500		mg/Kg	☼	06/10/14 08:48	06/12/14 05:46	50
Gasoline	ND		1100		mg/Kg	☼	06/10/14 08:48	06/12/14 05:46	50
#2 Diesel (>C12-C24)	ND		2700		mg/Kg	☼	06/10/14 08:48	06/12/14 05:46	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	62		50 - 150	06/10/14 08:48	06/12/14 05:46	50
4-Bromofluorobenzene (Surr)	35	X	50 - 150	06/10/14 08:48	06/12/14 05:46	50

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.0		2.8		mg/Kg	☼	06/17/14 13:52	06/18/14 12:39	1
Cadmium	ND		0.92		mg/Kg	☼	06/17/14 13:52	06/18/14 12:39	1
Chromium	32		1.2		mg/Kg	☼	06/17/14 13:52	06/18/14 12:39	1
Lead	39		1.4		mg/Kg	☼	06/17/14 13:52	06/18/14 12:39	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.042		0.017		mg/Kg	☼	06/17/14 10:47	06/17/14 13:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	88		0.10		%			06/11/14 09:02	1
Percent Moisture	12		0.10		%			06/11/14 09:02	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Client Sample ID: H5-3.5-060414

Lab Sample ID: 580-43878-12

Date Collected: 06/04/14 11:30

Matrix: Solid

Date Received: 06/05/14 16:30

Percent Solids: 87.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.99		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
Chloromethane	ND		0.99		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
Vinyl chloride	ND		0.99		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
Bromomethane	ND		0.99		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
Chloroethane	ND		0.99		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
Trichlorofluoromethane	ND		0.99		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
1,1-Dichloroethene	ND		5.0		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
Methylene Chloride	ND		15		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
trans-1,2-Dichloroethene	ND		0.99		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
1,1-Dichloroethane	ND		0.99		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
2,2-Dichloropropane	ND		5.0		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
cis-1,2-Dichloroethene	ND		0.99		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
Chlorobromomethane	ND		2.0		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
Chloroform	ND		0.99		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
1,1,1-Trichloroethane	ND		0.99		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
Carbon tetrachloride	ND		0.99		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
1,1-Dichloropropene	ND		0.99		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
Benzene	ND		0.99		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
1,2-Dichloroethane	ND		0.99		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
Trichloroethene	ND		0.99		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
1,2-Dichloropropane	ND		0.99		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
Dibromomethane	ND		0.99		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
Dichlorobromomethane	ND		0.99		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
cis-1,3-Dichloropropene	ND	*	0.99		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
Toluene	ND		2.0		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
trans-1,3-Dichloropropene	ND		0.99		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
1,1,2-Trichloroethane	ND		2.0		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
Tetrachloroethene	ND		0.99		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
1,3-Dichloropropane	ND		2.0		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
Chlorodibromomethane	ND		2.0		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
Ethylene Dibromide	ND		0.99		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
Chlorobenzene	ND		0.99		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
Ethylbenzene	ND		0.99		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
1,1,1,2-Tetrachloroethane	ND		0.99		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
m-Xylene & p-Xylene	ND		2.0		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
o-Xylene	ND		2.0		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
Styrene	ND		2.0		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
Bromoform	ND		0.99		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
Isopropylbenzene	ND		2.0		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
Bromobenzene	ND		2.0		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
N-Propylbenzene	ND		2.0		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
1,2,3-Trichloropropane	ND		0.99		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
2-Chlorotoluene	ND		2.0		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
1,3,5-Trimethylbenzene	ND		5.0		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
4-Chlorotoluene	ND		2.0		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
tert-Butylbenzene	ND		2.0		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
sec-Butylbenzene	ND		2.0		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Client Sample ID: H5-3.5-060414

Lab Sample ID: 580-43878-12

Date Collected: 06/04/14 11:30

Matrix: Solid

Date Received: 06/05/14 16:30

Percent Solids: 87.2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		2.0		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
4-Isopropyltoluene	ND		2.0		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
1,4-Dichlorobenzene	ND		0.99		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
n-Butylbenzene	ND		2.0		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
1,2-Dichlorobenzene	ND		2.0		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
Hexachlorobutadiene	ND		2.0		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
Naphthalene	ND		5.0		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1
Methyl tert-butyl ether	ND		0.99		ug/Kg	☼	06/05/14 16:40	06/17/14 22:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120	06/05/14 16:40	06/17/14 22:36	1
4-Bromofluorobenzene (Surr)	118		70 - 120	06/05/14 16:40	06/17/14 22:36	1
Dibromofluoromethane (Surr)	108		75 - 132	06/05/14 16:40	06/17/14 22:36	1
Trifluorotoluene (Surr)	103		65 - 140	06/05/14 16:40	06/17/14 22:36	1
1,2-Dichloroethane-d4 (Surr)	114		71 - 136	06/05/14 16:40	06/17/14 22:36	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		22		ug/Kg	☼	06/17/14 10:53	06/20/14 19:49	1
Chrysene	ND		28		ug/Kg	☼	06/17/14 10:53	06/20/14 19:49	1
Benzo[a]pyrene	ND		33		ug/Kg	☼	06/17/14 10:53	06/20/14 19:49	1
Indeno[1,2,3-cd]pyrene	ND	^	44		ug/Kg	☼	06/17/14 10:53	06/20/14 19:49	1
Dibenz(a,h)anthracene	ND		44		ug/Kg	☼	06/17/14 10:53	06/20/14 19:49	1
Benzo[b]fluoranthene	ND		22		ug/Kg	☼	06/17/14 10:53	06/20/14 19:49	1
Benzo[k]fluoranthene	ND		28		ug/Kg	☼	06/17/14 10:53	06/20/14 19:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	94		42 - 151	06/17/14 10:53	06/20/14 19:49	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		28		mg/Kg	☼	06/17/14 09:00	06/18/14 15:21	1
Motor Oil (>C24-C36)	ND		56		mg/Kg	☼	06/17/14 09:00	06/18/14 15:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	75		50 - 150	06/17/14 09:00	06/18/14 15:21	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	87		0.10		%			06/19/14 11:17	1
Percent Moisture	13		0.10		%			06/19/14 11:17	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Client Sample ID: G5-4.0-060414

Lab Sample ID: 580-43878-13

Date Collected: 06/04/14 12:02

Matrix: Solid

Date Received: 06/05/14 16:30

Percent Solids: 84.0

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	ND		110		mg/Kg	☼	06/10/14 08:48	06/12/14 07:29	1
Gasoline	ND		23		mg/Kg	☼	06/10/14 08:48	06/12/14 07:29	1
#2 Diesel (>C12-C24)	ND		57		mg/Kg	☼	06/10/14 08:48	06/12/14 07:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	90		50 - 150				06/10/14 08:48	06/12/14 07:29	1
4-Bromofluorobenzene (Surr)	51		50 - 150				06/10/14 08:48	06/12/14 07:29	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.1		2.2		mg/Kg	☼	06/17/14 13:52	06/18/14 12:42	1
Cadmium	ND		0.73		mg/Kg	☼	06/17/14 13:52	06/18/14 12:42	1
Chromium	27		0.95		mg/Kg	☼	06/17/14 13:52	06/18/14 12:42	1
Lead	6.4		1.1		mg/Kg	☼	06/17/14 13:52	06/18/14 12:42	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.030		0.016		mg/Kg	☼	06/17/14 10:47	06/17/14 13:38	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	84		0.10		%	—		06/11/14 09:02	1
Percent Moisture	16		0.10		%			06/11/14 09:02	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Client Sample ID: G4-1.5-060414

Lab Sample ID: 580-43878-14

Date Collected: 06/04/14 12:58

Matrix: Solid

Date Received: 06/05/14 16:30

Percent Solids: 77.2

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	140	Y	32		mg/Kg	☼	06/17/14 09:00	06/18/14 15:36	1
Motor Oil (>C24-C36)	770	Y	63		mg/Kg	☼	06/17/14 09:00	06/18/14 15:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	72		50 - 150				06/17/14 09:00	06/18/14 15:36	1

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	540	Y	130		mg/Kg	☼	06/10/14 08:48	06/12/14 07:48	1
Gasoline	ND		25		mg/Kg	☼	06/10/14 08:48	06/12/14 07:48	1
#2 Diesel (>C12-C24)	82	Y	63		mg/Kg	☼	06/10/14 08:48	06/12/14 07:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	88		50 - 150				06/10/14 08:48	06/12/14 07:48	1
4-Bromofluorobenzene (Surr)	59		50 - 150				06/10/14 08:48	06/12/14 07:48	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.7		3.4		mg/Kg	☼	06/17/14 13:52	06/18/14 12:45	1
Cadmium	ND		1.1		mg/Kg	☼	06/17/14 13:52	06/18/14 12:45	1
Chromium	35		1.5		mg/Kg	☼	06/17/14 13:52	06/18/14 12:45	1
Lead	49		1.7		mg/Kg	☼	06/17/14 13:52	06/18/14 12:45	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.085		0.020		mg/Kg	☼	06/17/14 10:47	06/17/14 13:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	77		0.10		%			06/11/14 09:02	1
Percent Moisture	23		0.10		%			06/11/14 09:02	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Client Sample ID: H4-5.0-060414

Lab Sample ID: 580-43878-16

Date Collected: 06/04/14 13:33

Matrix: Solid

Date Received: 06/05/14 16:30

Percent Solids: 96.0

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		25		mg/Kg	☼	06/17/14 09:00	06/18/14 15:52	1
Motor Oil (>C24-C36)	ND		51		mg/Kg	☼	06/17/14 09:00	06/18/14 15:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	71		50 - 150				06/17/14 09:00	06/18/14 15:52	1

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	ND		100		mg/Kg	☼	06/10/14 08:48	06/12/14 08:07	1
Gasoline	ND		20		mg/Kg	☼	06/10/14 08:48	06/12/14 08:07	1
#2 Diesel (>C12-C24)	ND		51		mg/Kg	☼	06/10/14 08:48	06/12/14 08:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	96		50 - 150				06/10/14 08:48	06/12/14 08:07	1
4-Bromofluorobenzene (Surr)	50		50 - 150				06/10/14 08:48	06/12/14 08:07	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.6		2.0		mg/Kg	☼	06/18/14 11:25	06/19/14 12:18	1
Cadmium	ND		0.65		mg/Kg	☼	06/18/14 11:25	06/19/14 12:18	1
Chromium	16		0.85		mg/Kg	☼	06/18/14 11:25	06/19/14 12:18	1
Lead	1.7		0.98		mg/Kg	☼	06/18/14 11:25	06/19/14 12:18	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021		0.016		mg/Kg	☼	06/17/14 10:47	06/17/14 13:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	96		0.10		%			06/11/14 09:02	1
Percent Moisture	4.0		0.10		%			06/11/14 09:02	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Client Sample ID: I4-4.0-060414

Lab Sample ID: 580-43878-17

Date Collected: 06/04/14 13:49

Matrix: Solid

Date Received: 06/05/14 16:30

Percent Solids: 91.1

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	ND		110		mg/Kg	☼	06/13/14 09:43	06/14/14 14:39	1
Gasoline	ND		21		mg/Kg	☼	06/13/14 09:43	06/14/14 14:39	1
#2 Diesel (>C12-C24)	ND		53		mg/Kg	☼	06/13/14 09:43	06/14/14 14:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	81		50 - 150				06/13/14 09:43	06/14/14 14:39	1
4-Bromofluorobenzene (Surr)	53		50 - 150				06/13/14 09:43	06/14/14 14:39	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.1		2.9		mg/Kg	☼	06/18/14 11:25	06/19/14 12:39	1
Cadmium	ND		0.98		mg/Kg	☼	06/18/14 11:25	06/19/14 12:39	1
Chromium	17		1.3		mg/Kg	☼	06/18/14 11:25	06/19/14 12:39	1
Lead	3.7		1.5		mg/Kg	☼	06/18/14 11:25	06/19/14 12:39	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.026		0.015		mg/Kg	☼	06/17/14 10:47	06/17/14 13:45	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	91		0.10		%	—		06/11/14 09:02	1
Percent Moisture	8.9		0.10		%			06/11/14 09:02	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Client Sample ID: I3-2.5-060414

Lab Sample ID: 580-43878-18

Date Collected: 06/04/14 14:08

Matrix: Solid

Date Received: 06/05/14 16:30

Percent Solids: 82.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		13		ug/Kg	☼	06/17/14 08:29	06/17/14 21:22	1
Toluene	ND		31		ug/Kg	☼	06/17/14 08:29	06/17/14 21:22	1
Ethylbenzene	ND		31		ug/Kg	☼	06/17/14 08:29	06/17/14 21:22	1
m-Xylene & p-Xylene	ND		31		ug/Kg	☼	06/17/14 08:29	06/17/14 21:22	1
o-Xylene	ND		31		ug/Kg	☼	06/17/14 08:29	06/17/14 21:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		80 - 120	06/17/14 08:29	06/17/14 21:22	1
4-Bromofluorobenzene (Surr)	104		70 - 120	06/17/14 08:29	06/17/14 21:22	1
Dibromofluoromethane (Surr)	93		75 - 132	06/17/14 08:29	06/17/14 21:22	1
1,2-Dichloroethane-d4 (Surr)	102		71 - 136	06/17/14 08:29	06/17/14 21:22	1

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	95		3.2		mg/Kg	☼	06/17/14 13:03	06/18/14 13:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		50 - 150	06/17/14 13:03	06/18/14 13:13	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	140	Y	30		mg/Kg	☼	06/17/14 09:00	06/18/14 16:08	1
Motor Oil (>C24-C36)	380	Y	59		mg/Kg	☼	06/17/14 09:00	06/18/14 16:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	74		50 - 150	06/17/14 09:00	06/18/14 16:08	1

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	390	Y	120		mg/Kg	☼	06/10/14 08:48	06/12/14 08:45	1
Gasoline	81	Y	24		mg/Kg	☼	06/10/14 08:48	06/12/14 08:45	1
#2 Diesel (>C12-C24)	130	Y	60		mg/Kg	☼	06/10/14 08:48	06/12/14 08:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	78		50 - 150	06/10/14 08:48	06/12/14 08:45	1
4-Bromofluorobenzene (Surr)	50		50 - 150	06/10/14 08:48	06/12/14 08:45	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		3.1		mg/Kg	☼	06/18/14 11:25	06/19/14 12:42	1
Cadmium	ND	L	1.0		mg/Kg	☼	06/18/14 11:25	06/19/14 12:42	1
Chromium	43		1.3		mg/Kg	☼	06/18/14 11:25	06/19/14 12:42	1
Lead	10		1.5		mg/Kg	☼	06/18/14 11:25	06/19/14 12:42	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.044		0.018		mg/Kg	☼	06/17/14 10:47	06/17/14 13:47	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	82		0.10		%	-		06/11/14 09:02	1
Percent Moisture	18		0.10		%	-		06/11/14 09:02	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Client Sample ID: H3-4.0-060414

Lab Sample ID: 580-43878-20

Date Collected: 06/04/14 14:30

Matrix: Solid

Date Received: 06/05/14 16:30

Percent Solids: 94.9

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	ND		100		mg/Kg	☼	06/13/14 09:43	06/14/14 23:33	1
Gasoline	ND		20		mg/Kg	☼	06/13/14 09:43	06/14/14 23:33	1
#2 Diesel (>C12-C24)	ND		51		mg/Kg	☼	06/13/14 09:43	06/14/14 23:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	82		50 - 150				06/13/14 09:43	06/14/14 23:33	1
4-Bromofluorobenzene (Surr)	50		50 - 150				06/13/14 09:43	06/14/14 23:33	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.3		2.3		mg/Kg	☼	06/18/14 11:25	06/19/14 12:45	1
Cadmium	ND		0.77		mg/Kg	☼	06/18/14 11:25	06/19/14 12:45	1
Chromium	16		1.0		mg/Kg	☼	06/18/14 11:25	06/19/14 12:45	1
Lead	1.9		1.1		mg/Kg	☼	06/18/14 11:25	06/19/14 12:45	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.014		0.014		mg/Kg	☼	06/17/14 10:47	06/17/14 13:50	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	95		0.10		%	—		06/11/14 09:02	1
Percent Moisture	5.1		0.10		%			06/11/14 09:02	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Client Sample ID: G3-2.2-060414

Lab Sample ID: 580-43878-21

Date Collected: 06/04/14 14:52

Matrix: Solid

Date Received: 06/05/14 16:30

Percent Solids: 86.4

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	140	Y	28		mg/Kg	☼	06/17/14 09:00	06/18/14 16:24	1
Motor Oil (>C24-C36)	1100	Y	57		mg/Kg	☼	06/17/14 09:00	06/18/14 16:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	75		50 - 150				06/17/14 09:00	06/18/14 16:24	1

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	610	Y	110		mg/Kg	☼	06/10/14 08:48	06/12/14 09:23	1
Gasoline	ND		22		mg/Kg	☼	06/10/14 08:48	06/12/14 09:23	1
#2 Diesel (>C12-C24)	98	Y	55		mg/Kg	☼	06/10/14 08:48	06/12/14 09:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	84		50 - 150				06/10/14 08:48	06/12/14 09:23	1
4-Bromofluorobenzene (Surr)	63		50 - 150				06/10/14 08:48	06/12/14 09:23	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.0		2.9		mg/Kg	☼	06/18/14 11:25	06/19/14 12:48	1
Cadmium	ND		0.96		mg/Kg	☼	06/18/14 11:25	06/19/14 12:48	1
Chromium	34		1.2		mg/Kg	☼	06/18/14 11:25	06/19/14 12:48	1
Lead	21		1.4		mg/Kg	☼	06/18/14 11:25	06/19/14 12:48	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.030		0.018		mg/Kg	☼	06/17/14 10:47	06/17/14 13:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	86		0.10		%			06/11/14 09:02	1
Percent Moisture	14		0.10		%			06/11/14 09:02	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Client Sample ID: G2-4.0-060414

Lab Sample ID: 580-43878-23

Date Collected: 06/04/14 15:20

Matrix: Solid

Date Received: 06/05/14 16:30

Percent Solids: 96.0

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	ND		99		mg/Kg	☼	06/13/14 09:43	06/14/14 15:36	1
Gasoline	ND		20		mg/Kg	☼	06/13/14 09:43	06/14/14 15:36	1
#2 Diesel (>C12-C24)	ND		50		mg/Kg	☼	06/13/14 09:43	06/14/14 15:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	83		50 - 150				06/13/14 09:43	06/14/14 15:36	1
4-Bromofluorobenzene (Surr)	64		50 - 150				06/13/14 09:43	06/14/14 15:36	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.6		mg/Kg	☼	06/18/14 11:25	06/19/14 12:50	1
Cadmium	ND		0.86		mg/Kg	☼	06/18/14 11:25	06/19/14 12:50	1
Chromium	12		1.1		mg/Kg	☼	06/18/14 11:25	06/19/14 12:50	1
Lead	2.0		1.3		mg/Kg	☼	06/18/14 11:25	06/19/14 12:50	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.015		0.015		mg/Kg	☼	06/17/14 10:47	06/17/14 13:55	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	96		0.10		%	—		06/11/14 09:02	1
Percent Moisture	4.0		0.10		%			06/11/14 09:02	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Client Sample ID: H2-2.2-060414

Lab Sample ID: 580-43878-24

Date Collected: 06/04/14 15:39

Matrix: Solid

Date Received: 06/05/14 16:30

Percent Solids: 85.0

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND	Y	29		mg/Kg	☼	06/17/14 09:00	06/18/14 16:39	1
Motor Oil (>C24-C36)	100	Y	57		mg/Kg	☼	06/17/14 09:00	06/18/14 16:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	73		50 - 150				06/17/14 09:00	06/18/14 16:39	1

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	220	Y	110		mg/Kg	☼	06/10/14 08:48	06/12/14 10:01	1
Gasoline	ND		23		mg/Kg	☼	06/10/14 08:48	06/12/14 10:01	1
#2 Diesel (>C12-C24)	ND		56		mg/Kg	☼	06/10/14 08:48	06/12/14 10:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	98		50 - 150				06/10/14 08:48	06/12/14 10:01	1
4-Bromofluorobenzene (Surr)	65		50 - 150				06/10/14 08:48	06/12/14 10:01	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.1		2.4		mg/Kg	☼	06/18/14 11:25	06/19/14 12:53	1
Cadmium	ND		0.81		mg/Kg	☼	06/18/14 11:25	06/19/14 12:53	1
Chromium	20		1.0		mg/Kg	☼	06/18/14 11:25	06/19/14 12:53	1
Lead	13		1.2		mg/Kg	☼	06/18/14 11:25	06/19/14 12:53	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.037		0.015		mg/Kg	☼	06/17/14 10:47	06/17/14 14:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	85		0.10		%			06/11/14 09:02	1
Percent Moisture	15		0.10		%			06/11/14 09:02	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Client Sample ID: G1-3.0-060414

Lab Sample ID: 580-43878-26

Date Collected: 06/04/14 15:49

Matrix: Solid

Date Received: 06/05/14 16:30

Percent Solids: 82.3

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	ND		120		mg/Kg	☼	06/13/14 09:43	06/14/14 15:56	1
Gasoline	ND		24		mg/Kg	☼	06/13/14 09:43	06/14/14 15:56	1
#2 Diesel (>C12-C24)	ND		60		mg/Kg	☼	06/13/14 09:43	06/14/14 15:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	85		50 - 150				06/13/14 09:43	06/14/14 15:56	1
4-Bromofluorobenzene (Surr)	58		50 - 150				06/13/14 09:43	06/14/14 15:56	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.7		3.0		mg/Kg	☼	06/18/14 11:25	06/19/14 12:56	1
Cadmium	ND		0.99		mg/Kg	☼	06/18/14 11:25	06/19/14 12:56	1
Chromium	20		1.3		mg/Kg	☼	06/18/14 11:25	06/19/14 12:56	1
Lead	14		1.5		mg/Kg	☼	06/18/14 11:25	06/19/14 12:56	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.050		0.019		mg/Kg	☼	06/17/14 10:47	06/17/14 14:05	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	82		0.10		%	—		06/11/14 09:02	1
Percent Moisture	18		0.10		%			06/11/14 09:02	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Client Sample ID: F1-3.0-060414

Lab Sample ID: 580-43878-27

Date Collected: 06/04/14 15:55

Matrix: Solid

Date Received: 06/05/14 16:30

Percent Solids: 85.2

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	ND		110		mg/Kg	☼	06/13/14 09:43	06/14/14 16:15	1
Gasoline	ND		23		mg/Kg	☼	06/13/14 09:43	06/14/14 16:15	1
#2 Diesel (>C12-C24)	ND		57		mg/Kg	☼	06/13/14 09:43	06/14/14 16:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	68		50 - 150				06/13/14 09:43	06/14/14 16:15	1
4-Bromofluorobenzene (Surr)	51		50 - 150				06/13/14 09:43	06/14/14 16:15	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.7		2.9		mg/Kg	☼	06/18/14 11:25	06/19/14 12:59	1
Cadmium	ND		0.98		mg/Kg	☼	06/18/14 11:25	06/19/14 12:59	1
Chromium	17		1.3		mg/Kg	☼	06/18/14 11:25	06/19/14 12:59	1
Lead	8.4		1.5		mg/Kg	☼	06/18/14 11:25	06/19/14 12:59	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.054		0.015		mg/Kg	☼	06/17/14 10:47	06/17/14 14:07	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	85		0.10		%	—		06/11/14 09:25	1
Percent Moisture	15		0.10		%			06/11/14 09:25	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Client Sample ID: F2-1.0-060414

Lab Sample ID: 580-43878-28

Date Collected: 06/04/14 16:30

Matrix: Solid

Date Received: 06/05/14 16:30

Percent Solids: 88.3

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	130	Y	27		mg/Kg	☼	06/17/14 09:00	06/18/14 16:55	1
Motor Oil (>C24-C36)	1300	Y	54		mg/Kg	☼	06/17/14 09:00	06/18/14 16:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	76		50 - 150				06/17/14 09:00	06/18/14 16:55	1

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	1600		1100		mg/Kg	☼	06/10/14 08:48	06/12/14 10:58	10
Gasoline	ND		220		mg/Kg	☼	06/10/14 08:48	06/12/14 10:58	10
#2 Diesel (>C12-C24)	ND		550		mg/Kg	☼	06/10/14 08:48	06/12/14 10:58	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	94		50 - 150				06/10/14 08:48	06/12/14 10:58	10
4-Bromofluorobenzene (Surr)	62		50 - 150				06/10/14 08:48	06/12/14 10:58	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	11		3.0		mg/Kg	☼	06/18/14 11:25	06/19/14 13:09	1
Cadmium	ND		1.0		mg/Kg	☼	06/18/14 11:25	06/19/14 13:09	1
Chromium	20		1.3		mg/Kg	☼	06/18/14 11:25	06/19/14 13:09	1
Lead	29		1.5		mg/Kg	☼	06/18/14 11:25	06/19/14 13:09	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.078		0.017		mg/Kg	☼	06/17/14 11:51	06/17/14 14:22	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	88		0.10		%			06/13/14 07:38	1
Percent Moisture	12		0.10		%			06/13/14 07:38	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Client Sample ID: E2-1.5-060414

Lab Sample ID: 580-43878-30

Date Collected: 06/04/14 16:40

Matrix: Solid

Date Received: 06/05/14 16:30

Percent Solids: 77.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		20		ug/Kg	☼	06/17/14 08:29	06/18/14 10:28	1
Toluene	ND		51		ug/Kg	☼	06/17/14 08:29	06/18/14 10:28	1
Ethylbenzene	ND		51		ug/Kg	☼	06/17/14 08:29	06/18/14 10:28	1
m-Xylene & p-Xylene	ND		51		ug/Kg	☼	06/17/14 08:29	06/18/14 10:28	1
o-Xylene	ND		51		ug/Kg	☼	06/17/14 08:29	06/18/14 10:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		80 - 120	06/17/14 08:29	06/18/14 10:28	1
4-Bromofluorobenzene (Surr)	100		70 - 120	06/17/14 08:29	06/18/14 10:28	1
Dibromofluoromethane (Surr)	90		75 - 132	06/17/14 08:29	06/18/14 10:28	1
1,2-Dichloroethane-d4 (Surr)	103		71 - 136	06/17/14 08:29	06/18/14 10:28	1

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	8.1		5.3		mg/Kg	☼	06/17/14 13:03	06/18/14 13:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		50 - 150	06/17/14 13:03	06/18/14 13:47	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	170	Y	31		mg/Kg	☼	06/17/14 09:00	06/18/14 17:10	1
Motor Oil (>C24-C36)	530	Y	63		mg/Kg	☼	06/17/14 09:00	06/18/14 17:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	78		50 - 150	06/17/14 09:00	06/18/14 17:10	1

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	750	Y	130		mg/Kg	☼	06/10/14 08:48	06/12/14 11:17	1
Gasoline	30	Y	25		mg/Kg	☼	06/10/14 08:48	06/12/14 11:17	1
#2 Diesel (>C12-C24)	400	Y	63		mg/Kg	☼	06/10/14 08:48	06/12/14 11:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	78		50 - 150	06/10/14 08:48	06/12/14 11:17	1
4-Bromofluorobenzene (Surr)	58		50 - 150	06/10/14 08:48	06/12/14 11:17	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.4		3.2		mg/Kg	☼	06/18/14 11:25	06/19/14 13:11	1
Cadmium	ND		1.1		mg/Kg	☼	06/18/14 11:25	06/19/14 13:11	1
Chromium	16		1.4		mg/Kg	☼	06/18/14 11:25	06/19/14 13:11	1
Lead	11		1.6		mg/Kg	☼	06/18/14 11:25	06/19/14 13:11	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.035		0.017		mg/Kg	☼	06/17/14 11:51	06/17/14 14:32	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	78		0.10		%	-		06/11/14 09:02	1
Percent Moisture	22		0.10		%	-		06/11/14 09:02	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Client Sample ID: F3-1.5-060414

Lab Sample ID: 580-43878-32

Date Collected: 06/04/14 16:48

Matrix: Solid

Date Received: 06/05/14 16:30

Percent Solids: 89.7

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	230		220		ug/Kg	☼	06/17/14 10:53	06/20/14 20:10	10
Chrysene	800		270		ug/Kg	☼	06/17/14 10:53	06/20/14 20:10	10
Benzo[a]pyrene	820		330		ug/Kg	☼	06/17/14 10:53	06/20/14 20:10	10
Indeno[1,2,3-cd]pyrene	ND	^	440		ug/Kg	☼	06/17/14 10:53	06/20/14 20:10	10
Dibenz(a,h)anthracene	ND		440		ug/Kg	☼	06/17/14 10:53	06/20/14 20:10	10
Benzo[b]fluoranthene	ND		220		ug/Kg	☼	06/17/14 10:53	06/20/14 20:10	10
Benzo[k]fluoranthene	ND		270		ug/Kg	☼	06/17/14 10:53	06/20/14 20:10	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	98		42 - 151	06/17/14 10:53	06/20/14 20:10	10

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	950	Y	270		mg/Kg	☼	06/17/14 09:00	06/18/14 17:26	10
Motor Oil (>C24-C36)	10000	Y	540		mg/Kg	☼	06/17/14 09:00	06/18/14 17:26	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	75		50 - 150	06/17/14 09:00	06/18/14 17:26	10

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	11000	Y	5400		mg/Kg	☼	06/10/14 08:48	06/12/14 11:36	50
Gasoline	ND		1100		mg/Kg	☼	06/10/14 08:48	06/12/14 11:36	50
#2 Diesel (>C12-C24)	ND		2700		mg/Kg	☼	06/10/14 08:48	06/12/14 11:36	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	105		50 - 150	06/10/14 08:48	06/12/14 11:36	50
4-Bromofluorobenzene (Surr)	54		50 - 150	06/10/14 08:48	06/12/14 11:36	50

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.5		3.1		mg/Kg	☼	06/18/14 11:25	06/19/14 13:14	1
Cadmium	ND		1.0		mg/Kg	☼	06/18/14 11:25	06/19/14 13:14	1
Chromium	28		1.3		mg/Kg	☼	06/18/14 11:25	06/19/14 13:14	1
Lead	16		1.5		mg/Kg	☼	06/18/14 11:25	06/19/14 13:14	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.020		0.018		mg/Kg	☼	06/17/14 11:51	06/17/14 14:34	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	90		0.10		%			06/11/14 09:02	1
Percent Moisture	10		0.10		%			06/11/14 09:02	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Client Sample ID: F3-3.0-060414

Lab Sample ID: 580-43878-33

Date Collected: 06/04/14 16:53

Matrix: Solid

Date Received: 06/05/14 16:30

Percent Solids: 96.1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		21		ug/Kg	☼	06/17/14 10:53	06/20/14 20:30	1
Chrysene	ND		26		ug/Kg	☼	06/17/14 10:53	06/20/14 20:30	1
Benzo[a]pyrene	ND		31		ug/Kg	☼	06/17/14 10:53	06/20/14 20:30	1
Indeno[1,2,3-cd]pyrene	ND	^	41		ug/Kg	☼	06/17/14 10:53	06/20/14 20:30	1
Dibenz(a,h)anthracene	ND		41		ug/Kg	☼	06/17/14 10:53	06/20/14 20:30	1
Benzo[b]fluoranthene	ND		21		ug/Kg	☼	06/17/14 10:53	06/20/14 20:30	1
Benzo[k]fluoranthene	ND		26		ug/Kg	☼	06/17/14 10:53	06/20/14 20:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	102		42 - 151	06/17/14 10:53	06/20/14 20:30	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		25		mg/Kg	☼	06/17/14 09:05	06/18/14 17:57	1
Motor Oil (>C24-C36)	ND		50		mg/Kg	☼	06/17/14 09:05	06/18/14 17:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	73		50 - 150	06/17/14 09:05	06/18/14 17:57	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	96		0.10		%	—		06/19/14 11:17	1
Percent Moisture	3.9		0.10		%	—		06/19/14 11:17	1

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 580-161361/1-A

Matrix: Solid

Analysis Batch: 161489

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 161361

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		16		ug/Kg		06/17/14 08:29	06/17/14 15:33	1
Toluene	ND		40		ug/Kg		06/17/14 08:29	06/17/14 15:33	1
Ethylbenzene	ND		40		ug/Kg		06/17/14 08:29	06/17/14 15:33	1
m-Xylene & p-Xylene	ND		40		ug/Kg		06/17/14 08:29	06/17/14 15:33	1
o-Xylene	ND		40		ug/Kg		06/17/14 08:29	06/17/14 15:33	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120	06/17/14 08:29	06/17/14 15:33	1
4-Bromofluorobenzene (Surr)	101		70 - 120	06/17/14 08:29	06/17/14 15:33	1
Dibromofluoromethane (Surr)	95		75 - 132	06/17/14 08:29	06/17/14 15:33	1
Trifluorotoluene (Surr)	104		65 - 140	06/17/14 08:29	06/17/14 15:33	1
1,2-Dichloroethane-d4 (Surr)	99		71 - 136	06/17/14 08:29	06/17/14 15:33	1

Lab Sample ID: LCS 580-161361/2-A

Matrix: Solid

Analysis Batch: 161489

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 161361

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	800	821		ug/Kg		103	70 - 128
Toluene	800	824		ug/Kg		103	75 - 126
Ethylbenzene	800	834		ug/Kg		104	78 - 126
m-Xylene & p-Xylene	800	848		ug/Kg		106	78 - 126
o-Xylene	800	895		ug/Kg		112	77 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	100		80 - 120
4-Bromofluorobenzene (Surr)	103		70 - 120
Dibromofluoromethane (Surr)	96		75 - 132
Trifluorotoluene (Surr)	93		65 - 140
1,2-Dichloroethane-d4 (Surr)	98		71 - 136

Lab Sample ID: LCSD 580-161361/3-A

Matrix: Solid

Analysis Batch: 161489

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 161361

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	800	846		ug/Kg		106	70 - 128	3	19
Toluene	800	833		ug/Kg		104	75 - 126	1	19
Ethylbenzene	800	852		ug/Kg		106	78 - 126	2	23
m-Xylene & p-Xylene	800	862		ug/Kg		108	78 - 126	2	23
o-Xylene	800	915		ug/Kg		114	77 - 127	2	22

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	100		80 - 120
4-Bromofluorobenzene (Surr)	107		70 - 120
Dibromofluoromethane (Surr)	99		75 - 132
Trifluorotoluene (Surr)	94		65 - 140

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 580-161361/3-A

Matrix: Solid

Analysis Batch: 161489

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 161361

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		71 - 136

Lab Sample ID: MB 580-161410/1-A

Matrix: Solid

Analysis Batch: 161459

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 161410

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Chloromethane	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Vinyl chloride	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Bromomethane	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Chloroethane	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Trichlorofluoromethane	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,1-Dichloroethene	ND		5.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Methylene Chloride	ND		15		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,1-Dichloroethane	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
2,2-Dichloropropane	ND		5.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Chlorobromomethane	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Chloroform	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Carbon tetrachloride	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,1-Dichloropropene	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Benzene	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,2-Dichloroethane	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Trichloroethene	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,2-Dichloropropane	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Dibromomethane	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Dichlorobromomethane	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Toluene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
trans-1,3-Dichloropropene	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,1,2-Trichloroethane	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Tetrachloroethene	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,3-Dichloropropane	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Chlorodibromomethane	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Ethylene Dibromide	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Chlorobenzene	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Ethylbenzene	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
m-Xylene & p-Xylene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
o-Xylene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Styrene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Bromoform	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Isopropylbenzene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Bromobenzene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 580-161410/1-A

Matrix: Solid

Analysis Batch: 161459

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 161410

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,2,3-Trichloropropane	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
2-Chlorotoluene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,3,5-Trimethylbenzene	ND		5.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
4-Chlorotoluene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
tert-Butylbenzene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
sec-Butylbenzene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,3-Dichlorobenzene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
4-Isopropyltoluene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
n-Butylbenzene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,2-Dichlorobenzene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Hexachlorobutadiene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Naphthalene	ND		5.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Methyl tert-butyl ether	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		80 - 120	06/17/14 12:42	06/17/14 19:00	1
4-Bromofluorobenzene (Surr)	101		70 - 120	06/17/14 12:42	06/17/14 19:00	1
Dibromofluoromethane (Surr)	102		75 - 132	06/17/14 12:42	06/17/14 19:00	1
Trifluorotoluene (Surr)	102		65 - 140	06/17/14 12:42	06/17/14 19:00	1
1,2-Dichloroethane-d4 (Surr)	112		71 - 136	06/17/14 12:42	06/17/14 19:00	1

Lab Sample ID: LCS 580-161410/2-A

Matrix: Solid

Analysis Batch: 161459

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 161410

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	30.0	26.8		ug/Kg		89	38 - 150
Chloromethane	30.0	28.3		ug/Kg		94	55 - 136
Vinyl chloride	30.0	27.2		ug/Kg		91	67 - 131
Bromomethane	30.0	33.7		ug/Kg		112	57 - 148
Chloroethane	30.0	32.8		ug/Kg		109	48 - 167
Trichlorofluoromethane	30.0	32.8		ug/Kg		109	47 - 165
1,1-Dichloroethene	30.0	31.5		ug/Kg		105	70 - 133
Methylene Chloride	30.0	37.4		ug/Kg		125	57 - 146
trans-1,2-Dichloroethene	30.0	29.4		ug/Kg		98	76 - 131
1,1-Dichloroethane	30.0	32.3		ug/Kg		108	70 - 128
2,2-Dichloropropane	30.0	31.9		ug/Kg		106	56 - 144
cis-1,2-Dichloroethene	30.0	31.9		ug/Kg		106	70 - 130
Chlorobromomethane	30.0	31.9		ug/Kg		106	78 - 123
Chloroform	30.0	33.8		ug/Kg		113	78 - 125
1,1,1-Trichloroethane	30.0	31.3		ug/Kg		104	63 - 135
Carbon tetrachloride	30.0	29.4		ug/Kg		98	59 - 145

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 580-161410/2-A

Matrix: Solid

Analysis Batch: 161459

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 161410

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloropropene	30.0	32.9		ug/Kg		110	77 - 125
Benzene	30.0	32.3		ug/Kg		108	70 - 128
1,2-Dichloroethane	30.0	35.4		ug/Kg		118	71 - 128
Trichloroethene	30.0	32.2		ug/Kg		107	83 - 124
1,2-Dichloropropane	30.0	35.7		ug/Kg		119	76 - 161
Dibromomethane	30.0	34.6		ug/Kg		115	78 - 126
Dichlorobromomethane	30.0	36.3		ug/Kg		121	58 - 133
cis-1,3-Dichloropropene	30.0	29.9		ug/Kg		100	69 - 129
Toluene	30.0	29.2		ug/Kg		97	75 - 126
trans-1,3-Dichloropropene	30.0	29.8		ug/Kg		99	72 - 129
1,1,2-Trichloroethane	30.0	30.3		ug/Kg		101	77 - 124
Tetrachloroethene	30.0	27.2		ug/Kg		91	56 - 155
1,3-Dichloropropane	30.0	29.9		ug/Kg		100	77 - 123
Chlorodibromomethane	30.0	31.9		ug/Kg		106	42 - 129
Ethylene Dibromide	30.0	31.4		ug/Kg		105	69 - 126
Chlorobenzene	30.0	30.8		ug/Kg		103	75 - 120
Ethylbenzene	30.0	31.6		ug/Kg		105	78 - 126
1,1,1,2-Tetrachloroethane	30.0	31.4		ug/Kg		105	72 - 123
1,1,2,2-Tetrachloroethane	30.0	28.8		ug/Kg		96	73 - 125
m-Xylene & p-Xylene	30.0	33.2		ug/Kg		111	78 - 126
o-Xylene	30.0	32.5		ug/Kg		108	77 - 127
Styrene	30.0	30.3		ug/Kg		101	79 - 127
Bromoform	30.0	29.1		ug/Kg		97	50 - 124
Isopropylbenzene	30.0	29.6		ug/Kg		99	79 - 127
Bromobenzene	30.0	31.9		ug/Kg		106	80 - 120
N-Propylbenzene	30.0	32.8		ug/Kg		109	81 - 127
1,2,3-Trichloropropane	30.0	28.4		ug/Kg		95	77 - 123
2-Chlorotoluene	30.0	32.6		ug/Kg		109	79 - 122
1,3,5-Trimethylbenzene	30.0	33.0		ug/Kg		110	80 - 125
4-Chlorotoluene	30.0	33.6		ug/Kg		112	80 - 122
tert-Butylbenzene	30.0	34.0		ug/Kg		113	71 - 136
1,2,4-Trimethylbenzene	30.0	33.2		ug/Kg		111	79 - 124
sec-Butylbenzene	30.0	32.5		ug/Kg		108	78 - 128
1,3-Dichlorobenzene	30.0	31.3		ug/Kg		104	79 - 119
4-Isopropyltoluene	30.0	31.3		ug/Kg		104	78 - 126
1,4-Dichlorobenzene	30.0	31.4		ug/Kg		105	79 - 117
n-Butylbenzene	30.0	33.7		ug/Kg		112	78 - 128
1,2-Dichlorobenzene	30.0	32.2		ug/Kg		107	79 - 117
1,2-Dibromo-3-Chloropropane	30.0	23.5		ug/Kg		78	53 - 132
1,2,4-Trichlorobenzene	30.0	32.2		ug/Kg		107	61 - 130
1,2,3-Trichlorobenzene	30.0	30.2		ug/Kg		101	61 - 130
Hexachlorobutadiene	30.0	35.9		ug/Kg		120	68 - 134
Naphthalene	30.0	26.7		ug/Kg		89	14 - 170
Methyl tert-butyl ether	30.0	30.2		ug/Kg		101	65 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	91		80 - 120
4-Bromofluorobenzene (Surr)	106		70 - 120

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 580-161410/2-A

Matrix: Solid

Analysis Batch: 161459

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 161410

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
Dibromofluoromethane (Surr)	103		75 - 132
Trifluorotoluene (Surr)	97		65 - 140
1,2-Dichloroethane-d4 (Surr)	111		71 - 136

Lab Sample ID: LCSD 580-161410/3-A

Matrix: Solid

Analysis Batch: 161459

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 161410

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dichlorodifluoromethane	30.0	23.6		ug/Kg		79	38 - 150	13	26
Chloromethane	30.0	26.1		ug/Kg		87	55 - 136	8	26
Vinyl chloride	30.0	22.9		ug/Kg		76	67 - 131	17	22
Bromomethane	30.0	28.5		ug/Kg		95	57 - 148	17	29
Chloroethane	30.0	28.8		ug/Kg		96	48 - 167	13	53
Trichlorofluoromethane	30.0	28.4		ug/Kg		95	47 - 165	14	54
1,1-Dichloroethene	30.0	27.7		ug/Kg		92	70 - 133	13	23
Methylene Chloride	30.0	33.9		ug/Kg		113	57 - 146	10	21
trans-1,2-Dichloroethene	30.0	29.0		ug/Kg		97	76 - 131	1	18
1,1-Dichloroethane	30.0	31.6		ug/Kg		105	70 - 128	2	21
2,2-Dichloropropane	30.0	28.2		ug/Kg		94	56 - 144	12	21
cis-1,2-Dichloroethene	30.0	29.1		ug/Kg		97	70 - 130	9	19
Chlorobromomethane	30.0	30.1		ug/Kg		100	78 - 123	6	19
Chloroform	30.0	31.1		ug/Kg		104	78 - 125	8	17
1,1,1-Trichloroethane	30.0	29.6		ug/Kg		99	63 - 135	5	20
Carbon tetrachloride	30.0	26.8		ug/Kg		89	59 - 145	9	19
1,1-Dichloropropene	30.0	32.5		ug/Kg		108	77 - 125	1	16
Benzene	30.0	32.3		ug/Kg		108	70 - 128	0	19
1,2-Dichloroethane	30.0	35.0		ug/Kg		117	71 - 128	1	18
Trichloroethene	30.0	31.9		ug/Kg		106	83 - 124	1	17
1,2-Dichloropropane	30.0	36.8		ug/Kg		123	76 - 161	3	15
Dibromomethane	30.0	34.4		ug/Kg		115	78 - 126	1	18
Dichlorobromomethane	30.0	35.7		ug/Kg		119	58 - 133	2	19
cis-1,3-Dichloropropene	30.0	38.4	*	ug/Kg		128	69 - 129	25	19
Toluene	30.0	35.4		ug/Kg		118	75 - 126	19	19
trans-1,3-Dichloropropene	30.0	35.9		ug/Kg		120	72 - 129	18	20
1,1,2-Trichloroethane	30.0	36.4		ug/Kg		121	77 - 124	18	18
Tetrachloroethene	30.0	28.0		ug/Kg		93	56 - 155	3	27
1,3-Dichloropropane	30.0	36.2		ug/Kg		121	77 - 123	19	19
Chlorodibromomethane	30.0	37.0		ug/Kg		123	42 - 129	15	23
Ethylene Dibromide	30.0	33.4		ug/Kg		111	69 - 126	6	21
Chlorobenzene	30.0	31.1		ug/Kg		104	75 - 120	1	21
Ethylbenzene	30.0	31.5		ug/Kg		105	78 - 126	0	23
1,1,1,2-Tetrachloroethane	30.0	32.8		ug/Kg		109	72 - 123	4	20
1,1,2,2-Tetrachloroethane	30.0	31.2		ug/Kg		104	73 - 125	8	22
m-Xylene & p-Xylene	30.0	33.8		ug/Kg		113	78 - 126	2	23
o-Xylene	30.0	34.1		ug/Kg		114	77 - 127	5	22
Styrene	30.0	31.6		ug/Kg		105	79 - 127	4	21
Bromoform	30.0	28.2		ug/Kg		94	50 - 124	3	25

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 580-161410/3-A

Matrix: Solid

Analysis Batch: 161459

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 161410

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Isopropylbenzene	30.0	33.0		ug/Kg		110	79 - 127	11	20
Bromobenzene	30.0	31.6		ug/Kg		105	80 - 120	1	19
N-Propylbenzene	30.0	32.6		ug/Kg		109	81 - 127	1	20
1,2,3-Trichloropropane	30.0	28.1		ug/Kg		94	77 - 123	1	23
2-Chlorotoluene	30.0	32.7		ug/Kg		109	79 - 122	0	18
1,3,5-Trimethylbenzene	30.0	32.7		ug/Kg		109	80 - 125	1	18
4-Chlorotoluene	30.0	33.2		ug/Kg		111	80 - 122	1	18
tert-Butylbenzene	30.0	34.7		ug/Kg		116	71 - 136	2	27
1,2,4-Trimethylbenzene	30.0	33.3		ug/Kg		111	79 - 124	0	18
sec-Butylbenzene	30.0	32.6		ug/Kg		109	78 - 128	0	17
1,3-Dichlorobenzene	30.0	31.3		ug/Kg		104	79 - 119	0	17
4-Isopropyltoluene	30.0	30.8		ug/Kg		103	78 - 126	1	18
1,4-Dichlorobenzene	30.0	31.1		ug/Kg		104	79 - 117	1	18
n-Butylbenzene	30.0	33.5		ug/Kg		112	78 - 128	1	17
1,2-Dichlorobenzene	30.0	32.1		ug/Kg		107	79 - 117	0	17
1,2-Dibromo-3-Chloropropane	30.0	24.3		ug/Kg		81	53 - 132	3	27
1,2,4-Trichlorobenzene	30.0	33.9		ug/Kg		113	61 - 130	5	22
1,2,3-Trichlorobenzene	30.0	32.0		ug/Kg		107	61 - 130	6	23
Hexachlorobutadiene	30.0	36.5		ug/Kg		122	68 - 134	2	21
Naphthalene	30.0	28.7		ug/Kg		96	14 - 170	7	50
Methyl tert-butyl ether	30.0	30.6		ug/Kg		102	65 - 125	1	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	109		80 - 120
4-Bromofluorobenzene (Surr)	104		70 - 120
Dibromofluoromethane (Surr)	96		75 - 132
Trifluorotoluene (Surr)	96		65 - 140
1,2-Dichloroethane-d4 (Surr)	107		71 - 136

Lab Sample ID: MB 580-161855/1-A

Matrix: Solid

Analysis Batch: 161858

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 161855

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		1.0		ug/Kg		06/22/14 11:51	06/22/14 13:41	1
Chloromethane	ND		1.0		ug/Kg		06/22/14 11:51	06/22/14 13:41	1
Vinyl chloride	ND		1.0		ug/Kg		06/22/14 11:51	06/22/14 13:41	1
Bromomethane	ND		1.0		ug/Kg		06/22/14 11:51	06/22/14 13:41	1
Chloroethane	ND		1.0		ug/Kg		06/22/14 11:51	06/22/14 13:41	1
Trichlorofluoromethane	ND		1.0		ug/Kg		06/22/14 11:51	06/22/14 13:41	1
1,1-Dichloroethene	ND		5.0		ug/Kg		06/22/14 11:51	06/22/14 13:41	1
Methylene Chloride	ND		15		ug/Kg		06/22/14 11:51	06/22/14 13:41	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg		06/22/14 11:51	06/22/14 13:41	1
1,1-Dichloroethane	ND		1.0		ug/Kg		06/22/14 11:51	06/22/14 13:41	1
2,2-Dichloropropane	ND		5.0		ug/Kg		06/22/14 11:51	06/22/14 13:41	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg		06/22/14 11:51	06/22/14 13:41	1
Chlorobromomethane	ND		2.0		ug/Kg		06/22/14 11:51	06/22/14 13:41	1
Chloroform	ND		1.0		ug/Kg		06/22/14 11:51	06/22/14 13:41	1

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 580-161855/1-A

Matrix: Solid

Analysis Batch: 161858

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 161855

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0		ug/Kg		06/22/14 11:51	06/22/14 13:41	1
Carbon tetrachloride	ND		1.0		ug/Kg		06/22/14 11:51	06/22/14 13:41	1
1,1-Dichloropropene	ND		1.0		ug/Kg		06/22/14 11:51	06/22/14 13:41	1
Benzene	ND		1.0		ug/Kg		06/22/14 11:51	06/22/14 13:41	1
1,2-Dichloroethane	ND		1.0		ug/Kg		06/22/14 11:51	06/22/14 13:41	1
Trichloroethene	ND		1.0		ug/Kg		06/22/14 11:51	06/22/14 13:41	1
1,2-Dichloropropane	ND		1.0		ug/Kg		06/22/14 11:51	06/22/14 13:41	1
Dibromomethane	ND		1.0		ug/Kg		06/22/14 11:51	06/22/14 13:41	1
Dichlorobromomethane	ND		1.0		ug/Kg		06/22/14 11:51	06/22/14 13:41	1
Bromoform	ND		1.0		ug/Kg		06/22/14 11:51	06/22/14 13:41	1
Bromobenzene	ND		2.0		ug/Kg		06/22/14 11:51	06/22/14 13:41	1
N-Propylbenzene	ND		2.0		ug/Kg		06/22/14 11:51	06/22/14 13:41	1
1,2,3-Trichloropropane	ND		1.0		ug/Kg		06/22/14 11:51	06/22/14 13:41	1
2-Chlorotoluene	ND		2.0		ug/Kg		06/22/14 11:51	06/22/14 13:41	1
1,3,5-Trimethylbenzene	ND		5.0		ug/Kg		06/22/14 11:51	06/22/14 13:41	1
4-Chlorotoluene	ND		2.0		ug/Kg		06/22/14 11:51	06/22/14 13:41	1
tert-Butylbenzene	ND		2.0		ug/Kg		06/22/14 11:51	06/22/14 13:41	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		06/22/14 11:51	06/22/14 13:41	1
sec-Butylbenzene	ND		2.0		ug/Kg		06/22/14 11:51	06/22/14 13:41	1
1,3-Dichlorobenzene	ND		2.0		ug/Kg		06/22/14 11:51	06/22/14 13:41	1
4-Isopropyltoluene	ND		2.0		ug/Kg		06/22/14 11:51	06/22/14 13:41	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg		06/22/14 11:51	06/22/14 13:41	1
n-Butylbenzene	ND		2.0		ug/Kg		06/22/14 11:51	06/22/14 13:41	1
1,2-Dichlorobenzene	ND		2.0		ug/Kg		06/22/14 11:51	06/22/14 13:41	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/Kg		06/22/14 11:51	06/22/14 13:41	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		06/22/14 11:51	06/22/14 13:41	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		06/22/14 11:51	06/22/14 13:41	1
Hexachlorobutadiene	ND		2.0		ug/Kg		06/22/14 11:51	06/22/14 13:41	1
Naphthalene	ND		5.0		ug/Kg		06/22/14 11:51	06/22/14 13:41	1
Methyl tert-butyl ether	ND		1.0		ug/Kg		06/22/14 11:51	06/22/14 13:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	98		75 - 132	06/22/14 11:51	06/22/14 13:41	1
Trifluorotoluene (Surr)	103		65 - 140	06/22/14 11:51	06/22/14 13:41	1
1,2-Dichloroethane-d4 (Surr)	100		71 - 136	06/22/14 11:51	06/22/14 13:41	1

Lab Sample ID: LCS 580-161855/2-A

Matrix: Solid

Analysis Batch: 161858

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 161855

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	30.0	29.8		ug/Kg		99	38 - 150
Chloromethane	30.0	29.2		ug/Kg		97	55 - 136
Vinyl chloride	30.0	29.3		ug/Kg		98	67 - 131
Bromomethane	30.0	31.9		ug/Kg		106	57 - 148
Chloroethane	30.0	31.5		ug/Kg		105	48 - 167
Trichlorofluoromethane	30.0	30.6		ug/Kg		102	47 - 165
1,1-Dichloroethene	30.0	30.4		ug/Kg		101	70 - 133

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 580-161855/2-A

Matrix: Solid

Analysis Batch: 161858

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 161855

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	30.0	29.6		ug/Kg		99	57 - 146
trans-1,2-Dichloroethene	30.0	31.8		ug/Kg		106	76 - 131
1,1-Dichloroethane	30.0	32.1		ug/Kg		107	70 - 128
2,2-Dichloropropane	30.0	31.6		ug/Kg		105	56 - 144
cis-1,2-Dichloroethene	30.0	32.3		ug/Kg		108	70 - 130
Chlorobromomethane	30.0	33.0		ug/Kg		110	78 - 123
Chloroform	30.0	32.1		ug/Kg		107	78 - 125
1,1,1-Trichloroethane	30.0	30.5		ug/Kg		102	63 - 135
Carbon tetrachloride	30.0	30.4		ug/Kg		101	59 - 145
1,1-Dichloropropene	30.0	32.5		ug/Kg		108	77 - 125
Benzene	30.0	32.1		ug/Kg		107	70 - 128
1,2-Dichloroethane	30.0	33.0		ug/Kg		110	71 - 128
Trichloroethene	30.0	33.0		ug/Kg		110	83 - 124
1,2-Dichloropropane	30.0	34.5		ug/Kg		115	76 - 161
Dibromomethane	30.0	33.6		ug/Kg		112	78 - 126
Dichlorobromomethane	30.0	33.9		ug/Kg		113	58 - 133
Methyl tert-butyl ether	30.0	31.4		ug/Kg		105	65 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	97		80 - 120
4-Bromofluorobenzene (Surr)	97		70 - 120
Dibromofluoromethane (Surr)	101		75 - 132
Trifluorotoluene (Surr)	99		65 - 140
1,2-Dichloroethane-d4 (Surr)	102		71 - 136

Lab Sample ID: LCSD 580-161855/3-A

Matrix: Solid

Analysis Batch: 161858

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 161855

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Dichlorodifluoromethane	30.0	30.0		ug/Kg		100	38 - 150	1	26
Chloromethane	30.0	31.6		ug/Kg		105	55 - 136	8	26
Vinyl chloride	30.0	30.0		ug/Kg		100	67 - 131	2	22
Bromomethane	30.0	33.1		ug/Kg		110	57 - 148	4	29
Chloroethane	30.0	33.6		ug/Kg		112	48 - 167	7	53
Trichlorofluoromethane	30.0	32.7		ug/Kg		109	47 - 165	7	54
1,1-Dichloroethene	30.0	33.4		ug/Kg		111	70 - 133	9	23
Methylene Chloride	30.0	33.1		ug/Kg		110	57 - 146	11	21
trans-1,2-Dichloroethene	30.0	34.2		ug/Kg		114	76 - 131	7	18
1,1-Dichloroethane	30.0	33.6		ug/Kg		112	70 - 128	5	21
2,2-Dichloropropane	30.0	34.6		ug/Kg		115	56 - 144	9	21
cis-1,2-Dichloroethene	30.0	34.3		ug/Kg		114	70 - 130	6	19
Chlorobromomethane	30.0	35.0		ug/Kg		117	78 - 123	6	19
Chloroform	30.0	33.4		ug/Kg		111	78 - 125	4	17
1,1,1-Trichloroethane	30.0	34.2		ug/Kg		114	63 - 135	11	20
Carbon tetrachloride	30.0	33.7		ug/Kg		112	59 - 145	10	19
1,1-Dichloropropene	30.0	33.2		ug/Kg		111	77 - 125	2	16
Benzene	30.0	32.8		ug/Kg		109	70 - 128	2	19

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 580-161855/3-A

Matrix: Solid

Analysis Batch: 161858

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 161855

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichloroethane	30.0	33.4		ug/Kg		111	71 - 128	1	18
Trichloroethene	30.0	33.1		ug/Kg		110	83 - 124	0	17
1,2-Dichloropropane	30.0	34.3		ug/Kg		114	76 - 161	1	15
Dibromomethane	30.0	33.2		ug/Kg		111	78 - 126	1	18
Dichlorobromomethane	30.0	33.1		ug/Kg		110	58 - 133	2	19
Methyl tert-butyl ether	30.0	34.0		ug/Kg		113	65 - 125	8	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Dibromofluoromethane (Surr)	104		75 - 132
Trifluorotoluene (Surr)	104		65 - 140
1,2-Dichloroethane-d4 (Surr)	102		71 - 136

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 580-161395/1-A

Matrix: Solid

Analysis Batch: 161736

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 161395

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		20		ug/Kg		06/17/14 10:53	06/20/14 13:23	1
Chrysene	ND		25		ug/Kg		06/17/14 10:53	06/20/14 13:23	1
Benzo[a]pyrene	ND		30		ug/Kg		06/17/14 10:53	06/20/14 13:23	1
Indeno[1,2,3-cd]pyrene	ND	^	40		ug/Kg		06/17/14 10:53	06/20/14 13:23	1
Dibenz(a,h)anthracene	ND		40		ug/Kg		06/17/14 10:53	06/20/14 13:23	1
Benzo[b]fluoranthene	ND		20		ug/Kg		06/17/14 10:53	06/20/14 13:23	1
Benzo[k]fluoranthene	ND		25		ug/Kg		06/17/14 10:53	06/20/14 13:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	83		42 - 151	06/17/14 10:53	06/20/14 13:23	1

Lab Sample ID: MB 580-161395/1-A

Matrix: Solid

Analysis Batch: 162312

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 161395

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		20		ug/Kg		06/17/14 10:53	06/26/14 15:44	1
Chrysene	ND		25		ug/Kg		06/17/14 10:53	06/26/14 15:44	1
Benzo[a]pyrene	ND		30		ug/Kg		06/17/14 10:53	06/26/14 15:44	1
Indeno[1,2,3-cd]pyrene	ND		40		ug/Kg		06/17/14 10:53	06/26/14 15:44	1
Dibenz(a,h)anthracene	ND		40		ug/Kg		06/17/14 10:53	06/26/14 15:44	1
Benzo[b]fluoranthene	ND		20		ug/Kg		06/17/14 10:53	06/26/14 15:44	1
Benzo[k]fluoranthene	ND		25		ug/Kg		06/17/14 10:53	06/26/14 15:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	95		42 - 151	06/17/14 10:53	06/26/14 15:44	1

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 580-161395/2-A

Matrix: Solid

Analysis Batch: 161736

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 161395

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]anthracene	1000	1060		ug/Kg		106	64 - 124
Chrysene	1000	888		ug/Kg		89	71 - 126
Benzo[a]pyrene	1000	954		ug/Kg		95	68 - 128
Indeno[1,2,3-cd]pyrene	1000	1170	^	ug/Kg		117	59 - 139
Dibenz(a,h)anthracene	1000	1050		ug/Kg		105	57 - 142
Benzo[b]fluoranthene	1000	1150		ug/Kg		115	66 - 136
Benzo[k]fluoranthene	1000	823		ug/Kg		82	63 - 143

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Terphenyl-d14	92		42 - 151

Lab Sample ID: LCSD 580-161395/3-A

Matrix: Solid

Analysis Batch: 161736

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 161395

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzo[a]anthracene	1000	1050		ug/Kg		105	64 - 124	1	27
Chrysene	1000	900		ug/Kg		90	71 - 126	1	26
Benzo[a]pyrene	1000	969		ug/Kg		97	68 - 128	2	30
Indeno[1,2,3-cd]pyrene	1000	1290	^	ug/Kg		129	59 - 139	9	29
Dibenz(a,h)anthracene	1000	983		ug/Kg		98	57 - 142	6	30
Benzo[b]fluoranthene	1000	1140		ug/Kg		114	66 - 136	1	31
Benzo[k]fluoranthene	1000	872		ug/Kg		87	63 - 143	6	31

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Terphenyl-d14	88		42 - 151

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Lab Sample ID: MB 580-161415/1-A

Matrix: Solid

Analysis Batch: 161478

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 161415

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		4.0		mg/Kg		06/17/14 12:58	06/18/14 07:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		50 - 150	06/17/14 12:58	06/18/14 07:03	1

Lab Sample ID: LCS 580-161415/2-A

Matrix: Solid

Analysis Batch: 161478

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 161415

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline	32.0	35.5		mg/Kg		111	68 - 120

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC) (Continued)

Lab Sample ID: LCS 580-161415/2-A

Matrix: Solid

Analysis Batch: 161478

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 161415

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		50 - 150

Lab Sample ID: LCSD 580-161415/3-A

Matrix: Solid

Analysis Batch: 161478

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 161415

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	32.0	34.1		mg/Kg		107	68 - 120	4	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		50 - 150

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 580-161365/1-A

Matrix: Solid

Analysis Batch: 161504

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 161365

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		25		mg/Kg		06/17/14 09:00	06/18/14 12:13	1
Motor Oil (>C24-C36)	ND		50		mg/Kg		06/17/14 09:00	06/18/14 12:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	68		50 - 150	06/17/14 09:00	06/18/14 12:13	1

Lab Sample ID: LCS 580-161365/2-A

Matrix: Solid

Analysis Batch: 161504

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 161365

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
#2 Diesel (C10-C24)	500	397		mg/Kg		79	70 - 125
Motor Oil (>C24-C36)	502	421		mg/Kg		84	64 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	77		50 - 150

Lab Sample ID: LCSD 580-161365/3-A

Matrix: Solid

Analysis Batch: 161504

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 161365

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	500	401		mg/Kg		80	70 - 125	1	16
Motor Oil (>C24-C36)	502	429		mg/Kg		85	64 - 127	2	17

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
o-Terphenyl	80		50 - 150

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued)

Lab Sample ID: 580-43878-33 DU

Matrix: Solid

Analysis Batch: 161504

Client Sample ID: F3-3.0-060414

Prep Type: Total/NA

Prep Batch: 161365

Analyte	Sample		DU		Unit	D	RPD	
	Result	Qualifier	Result	Qualifier			Limit	
#2 Diesel (C10-C24)	ND		ND		mg/Kg	✱	22	35
Motor Oil (>C24-C36)	ND		ND		mg/Kg	✱	9	35
Surrogate		DU		DU		Limits		
		%Recovery	Qualifier					
o-Terphenyl		79				50 - 150		

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Lab Sample ID: MB 580-160725/1-A

Matrix: Solid

Analysis Batch: 160922

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 160725

Analyte	MB		RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Motor Oil	ND		100		mg/Kg		06/10/14 08:48	06/12/14 03:34	1
Gasoline	ND		20		mg/Kg		06/10/14 08:48	06/12/14 03:34	1
#2 Diesel (>C12-C24)	ND		50		mg/Kg		06/10/14 08:48	06/12/14 03:34	1
Surrogate		MB		MB		Limits		Prepared	
		%Recovery	Qualifier					Analyzed	
o-Terphenyl		96				50 - 150		06/10/14 08:48	
4-Bromofluorobenzene (Surr)		59				50 - 150		06/10/14 08:48	

Lab Sample ID: 580-43878-1 DU

Matrix: Solid

Analysis Batch: 160922

Client Sample ID: G7-1.5-060414

Prep Type: Total/NA

Prep Batch: 160725

Analyte	Sample		DU		Unit	D	RPD	
	Result	Qualifier	Result	Qualifier			Limit	
Motor Oil	2100	Y	1430		mg/Kg	✱	36	35
Gasoline	ND		ND		mg/Kg	✱	NC	35
#2 Diesel (>C12-C24)	ND		ND		mg/Kg	✱	NC	35
Surrogate		DU		DU		Limits		
		%Recovery	Qualifier					
o-Terphenyl		91				50 - 150		
4-Bromofluorobenzene (Surr)		64				50 - 150		

Lab Sample ID: MB 580-161045/1-A

Matrix: Solid

Analysis Batch: 161139

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 161045

Analyte	MB		RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Motor Oil	ND		100		mg/Kg		06/13/14 09:43	06/14/14 23:57	1
Gasoline	ND		20		mg/Kg		06/13/14 09:43	06/14/14 23:57	1
#2 Diesel (>C12-C24)	ND		50		mg/Kg		06/13/14 09:43	06/14/14 23:57	1
Surrogate		MB		MB		Limits		Prepared	
		%Recovery	Qualifier					Analyzed	
o-Terphenyl		98				50 - 150		06/13/14 09:43	
4-Bromofluorobenzene (Surr)		52				50 - 150		06/13/14 09:43	

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC) (Continued)

Lab Sample ID: 580-43878-17 DU

Matrix: Solid

Analysis Batch: 161139

Client Sample ID: I4-4.0-060414

Prep Type: Total/NA

Prep Batch: 161045

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Motor Oil	ND		ND		mg/Kg	⊛	NC	35
Gasoline	ND		ND		mg/Kg	⊛	NC	35
#2 Diesel (>C12-C24)	ND		ND		mg/Kg	⊛	NC	35
Surrogate	%Recovery	DU Qualifier	DU	Limits				
<i>o</i> -Terphenyl	82			50 - 150				
4-Bromofluorobenzene (Surr)	52			50 - 150				

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 580-161428/21-A

Matrix: Solid

Analysis Batch: 161575

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 161428

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		3.0		mg/Kg		06/17/14 13:52	06/18/14 11:28	1
Cadmium	ND		1.0		mg/Kg		06/17/14 13:52	06/18/14 11:28	1
Chromium	ND		1.3		mg/Kg		06/17/14 13:52	06/18/14 11:28	1
Lead	ND		1.5		mg/Kg		06/17/14 13:52	06/18/14 11:28	1

Lab Sample ID: LCS 580-161428/22-A

Matrix: Solid

Analysis Batch: 161575

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 161428

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Arsenic	200	205		mg/Kg		102	80 - 120		
Cadmium	5.00	4.89		mg/Kg		98	80 - 120		
Chromium	20.0	18.1		mg/Kg		91	80 - 120		
Lead	50.0	50.8		mg/Kg		102	80 - 120		

Lab Sample ID: LCSD 580-161428/23-A

Matrix: Solid

Analysis Batch: 161575

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 161428

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Arsenic	200	207		mg/Kg		103	80 - 120	1	20
Cadmium	5.00	4.94		mg/Kg		99	80 - 120	1	20
Chromium	20.0	18.3		mg/Kg		92	80 - 120	1	20
Lead	50.0	51.3		mg/Kg		103	80 - 120	1	20

Lab Sample ID: MB 580-161540/22-A

Matrix: Solid

Analysis Batch: 161679

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 161540

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		3.0		mg/Kg		06/18/14 11:25	06/19/14 12:06	1
Cadmium	ND		1.0		mg/Kg		06/18/14 11:25	06/19/14 12:06	1
Chromium	ND		1.3		mg/Kg		06/18/14 11:25	06/19/14 12:06	1

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MB 580-161540/22-A

Matrix: Solid

Analysis Batch: 161679

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 161540

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		1.5		mg/Kg		06/18/14 11:25	06/19/14 12:06	1

Lab Sample ID: LCS 580-161540/23-A

Matrix: Solid

Analysis Batch: 161679

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 161540

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	200	186		mg/Kg		93	80 - 120
Cadmium	5.00	4.28		mg/Kg		86	80 - 120
Chromium	20.0	16.3		mg/Kg		81	80 - 120
Lead	50.0	44.6		mg/Kg		89	80 - 120

Lab Sample ID: LCSD 580-161540/24-A

Matrix: Solid

Analysis Batch: 161679

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 161540

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	200	192		mg/Kg		96	80 - 120	3	20
Cadmium	5.00	4.39		mg/Kg		88	80 - 120	2	20
Chromium	20.0	16.7		mg/Kg		84	80 - 120	3	20
Lead	50.0	46.1		mg/Kg		92	80 - 120	3	20

Lab Sample ID: 580-43878-16 MS

Matrix: Solid

Analysis Batch: 161679

Client Sample ID: H4-5.0-060414

Prep Type: Total/NA

Prep Batch: 161540

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	2.6		128	122		mg/Kg	☼	93	80 - 120
Cadmium	ND		3.20	2.37	F1	mg/Kg	☼	74	80 - 120
Chromium	16		12.8	28.3		mg/Kg	☼	95	80 - 120
Lead	1.7		32.0	31.6		mg/Kg	☼	93	80 - 120

Lab Sample ID: 580-43878-16 MSD

Matrix: Solid

Analysis Batch: 161679

Client Sample ID: H4-5.0-060414

Prep Type: Total/NA

Prep Batch: 161540

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	2.6		133	127		mg/Kg	☼	94	80 - 120	4	20
Cadmium	ND		3.32	2.42	F1	mg/Kg	☼	73	80 - 120	2	20
Chromium	16		13.3	30.4		mg/Kg	☼	108	80 - 120	7	20
Lead	1.7		33.2	32.3		mg/Kg	☼	92	80 - 120	2	20

Lab Sample ID: 580-43878-16 DU

Matrix: Solid

Analysis Batch: 161679

Client Sample ID: H4-5.0-060414

Prep Type: Total/NA

Prep Batch: 161540

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	2.6		3.35		mg/Kg	☼	25	20
Cadmium	ND		ND		mg/Kg	☼	NC	20

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 580-43878-16 DU

Matrix: Solid

Analysis Batch: 161679

Client Sample ID: H4-5.0-060414

Prep Type: Total/NA

Prep Batch: 161540

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Chromium	16		16.9		mg/Kg	✱	5	20
Lead	1.7		2.59		mg/Kg	✱	42	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 580-161394/21-A

Matrix: Solid

Analysis Batch: 161464

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 161394

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.017		mg/Kg		06/17/14 10:47	06/17/14 13:03	1

Lab Sample ID: LCS 580-161394/22-A

Matrix: Solid

Analysis Batch: 161464

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 161394

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.167	0.145		mg/Kg		87	80 - 120

Lab Sample ID: LCSD 580-161394/23-A

Matrix: Solid

Analysis Batch: 161464

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 161394

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Mercury	0.167	0.145		mg/Kg		87	80 - 120	0	20

Lab Sample ID: 580-43878-1 MS

Matrix: Solid

Analysis Batch: 161464

Client Sample ID: G7-1.5-060414

Prep Type: Total/NA

Prep Batch: 161394

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.038		0.147	0.198		mg/Kg	✱	109	80 - 120

Lab Sample ID: 580-43878-1 MSD

Matrix: Solid

Analysis Batch: 161464

Client Sample ID: G7-1.5-060414

Prep Type: Total/NA

Prep Batch: 161394

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Mercury	0.038		0.164	0.205		mg/Kg	✱	102	80 - 120	4	20

Lab Sample ID: 580-43878-1 DU

Matrix: Solid

Analysis Batch: 161464

Client Sample ID: G7-1.5-060414

Prep Type: Total/NA

Prep Batch: 161394

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Mercury	0.038		0.0532	F3	mg/Kg	✱	34	20

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: MB 580-161402/21-A

Matrix: Solid

Analysis Batch: 161464

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 161402

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.017		mg/Kg		06/17/14 11:51	06/17/14 14:15	1

Lab Sample ID: LCS 580-161402/22-A

Matrix: Solid

Analysis Batch: 161464

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 161402

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.167	0.142		mg/Kg		85	80 - 120

Lab Sample ID: LCSD 580-161402/23-A

Matrix: Solid

Analysis Batch: 161464

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 161402

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Mercury	0.167	0.143		mg/Kg		86	80 - 120	0	20

Lab Sample ID: 580-43878-28 MS

Matrix: Solid

Analysis Batch: 161464

Client Sample ID: F2-1.0-060414

Prep Type: Total/NA

Prep Batch: 161402

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.078		0.171	0.240		mg/Kg	☼	95	80 - 120

Lab Sample ID: 580-43878-28 MSD

Matrix: Solid

Analysis Batch: 161464

Client Sample ID: F2-1.0-060414

Prep Type: Total/NA

Prep Batch: 161402

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Mercury	0.078		0.177	0.252		mg/Kg	☼	98	80 - 120	5	20

Lab Sample ID: 580-43878-28 DU

Matrix: Solid

Analysis Batch: 161464

Client Sample ID: F2-1.0-060414

Prep Type: Total/NA

Prep Batch: 161402

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Mercury	0.078		0.0717		mg/Kg	☼	9	20

Method: D 2216 - Percent Moisture

Lab Sample ID: 580-43878-28 DU

Matrix: Solid

Analysis Batch: 161035

Client Sample ID: F2-1.0-060414

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Percent Solids	88		88		%		0.7	20
Percent Moisture	12		12		%		5	20

TestAmerica Seattle

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Client Sample ID: G7-1.5-060414

Date Collected: 06/04/14 08:58

Date Received: 06/05/14 16:30

Lab Sample ID: 580-43878-1

Matrix: Solid

Percent Solids: 89.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			161395	06/17/14 10:53	CLH	TAL SEA
Total/NA	Analysis	8270C		5	161736	06/20/14 17:27	ERB	TAL SEA
Total/NA	Prep	3546			161365	06/17/14 09:00	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	161504	06/18/14 13:00	JJP	TAL SEA
Total/NA	Prep	3546			160725	06/10/14 08:48	CTC	TAL SEA
Total/NA	Analysis	NWTPH-HCID		10	160922	06/12/14 03:53	JJP	TAL SEA
Total/NA	Prep	3050B			161428	06/17/14 13:52	PAB	TAL SEA
Total/NA	Analysis	6010B		1	161575	06/18/14 12:16	HJM	TAL SEA
Total/NA	Prep	7471A			161394	06/17/14 10:47	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161464	06/17/14 13:10	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

Client Sample ID: G7-3.0-060414

Date Collected: 06/04/14 09:04

Date Received: 06/05/14 16:30

Lab Sample ID: 580-43878-2

Matrix: Solid

Percent Solids: 94.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			161395	06/17/14 10:53	CLH	TAL SEA
Total/NA	Analysis	8270C		1	161736	06/20/14 17:47	ERB	TAL SEA
Total/NA	Prep	3546			161365	06/17/14 09:00	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	161504	06/18/14 13:16	JJP	TAL SEA
Total/NA	Analysis	D 2216		1	161651	06/19/14 11:17	NMD	TAL SEA

Client Sample ID: H7-1.5-060414

Date Collected: 06/04/14 09:16

Date Received: 06/05/14 16:30

Lab Sample ID: 580-43878-3

Matrix: Solid

Percent Solids: 84.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			161365	06/17/14 09:00	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	161504	06/18/14 13:31	JJP	TAL SEA
Total/NA	Prep	3546			160725	06/10/14 08:48	CTC	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	160922	06/12/14 04:31	JJP	TAL SEA
Total/NA	Prep	3050B			161428	06/17/14 13:52	PAB	TAL SEA
Total/NA	Analysis	6010B		1	161575	06/18/14 12:19	HJM	TAL SEA
Total/NA	Prep	7471A			161394	06/17/14 10:47	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161464	06/17/14 13:20	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Client Sample ID: H6-1.5-60414

Lab Sample ID: 580-43878-6

Date Collected: 06/04/14 10:36

Matrix: Solid

Date Received: 06/05/14 16:30

Percent Solids: 72.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			161395	06/17/14 10:53	CLH	TAL SEA
Total/NA	Analysis	8270C		5	162312	06/26/14 16:36	ERB	TAL SEA
Total/NA	Prep	3546			161365	06/17/14 09:00	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	161504	06/18/14 13:47	JJP	TAL SEA
Total/NA	Prep	3546			160725	06/10/14 08:48	CTC	TAL SEA
Total/NA	Analysis	NWTPH-HCID		10	160922	06/12/14 04:49	JJP	TAL SEA
Total/NA	Prep	3050B			161428	06/17/14 13:52	PAB	TAL SEA
Total/NA	Analysis	6010B		1	161575	06/18/14 12:22	HJM	TAL SEA
Total/NA	Prep	7471A			161394	06/17/14 10:47	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161464	06/17/14 13:23	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

Client Sample ID: H6-4.0-60414

Lab Sample ID: 580-43878-7

Date Collected: 06/04/14 10:45

Matrix: Solid

Date Received: 06/05/14 16:30

Percent Solids: 93.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			161395	06/17/14 10:53	CLH	TAL SEA
Total/NA	Analysis	8270C		1	161736	06/20/14 18:28	ERB	TAL SEA
Total/NA	Prep	3546			161365	06/17/14 09:00	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	161504	06/18/14 14:02	JJP	TAL SEA
Total/NA	Analysis	D 2216		1	161651	06/19/14 11:17	NMD	TAL SEA

Client Sample ID: I6-1.5-060414

Lab Sample ID: 580-43878-8

Date Collected: 06/04/14 11:10

Matrix: Solid

Date Received: 06/05/14 16:30

Percent Solids: 66.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			161361	06/17/14 08:29	MMH	TAL SEA
Total/NA	Analysis	8260B		1	161489	06/17/14 20:29	AS	TAL SEA
Total/NA	Prep	3550B			161395	06/17/14 10:53	CLH	TAL SEA
Total/NA	Analysis	8270C		5	162312	06/26/14 17:02	ERB	TAL SEA
Total/NA	Prep	5035			161415	06/17/14 13:03	CRH	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	161478	06/18/14 12:06	IWH	TAL SEA
Total/NA	Prep	3546			161365	06/17/14 09:00	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	161504	06/18/14 14:18	JJP	TAL SEA
Total/NA	Prep	3546			160725	06/10/14 08:48	CTC	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	160922	06/12/14 05:08	JJP	TAL SEA
Total/NA	Prep	3050B			161428	06/17/14 13:52	PAB	TAL SEA
Total/NA	Analysis	6010B		1	161575	06/18/14 12:26	HJM	TAL SEA
Total/NA	Prep	7471A			161394	06/17/14 10:47	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161464	06/17/14 13:25	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Client Sample ID: I6-3.0-060414

Lab Sample ID: 580-43878-9

Date Collected: 06/04/14 11:05

Matrix: Solid

Date Received: 06/05/14 16:30

Percent Solids: 85.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			161361	06/17/14 08:29	MMH	TAL SEA
Total/NA	Analysis	8260B		1	161489	06/17/14 20:56	AS	TAL SEA
Total/NA	Prep	3550B			161395	06/17/14 10:53	CLH	TAL SEA
Total/NA	Analysis	8270C		1	161736	06/20/14 19:09	ERB	TAL SEA
Total/NA	Prep	5035			161415	06/17/14 13:03	CRH	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	161478	06/18/14 12:39	IWH	TAL SEA
Total/NA	Prep	3546			161365	06/17/14 09:00	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	161504	06/18/14 14:34	JJP	TAL SEA
Total/NA	Analysis	D 2216		1	161651	06/19/14 11:17	NMD	TAL SEA

Client Sample ID: I5-3.0-060414

Lab Sample ID: 580-43878-10

Date Collected: 06/04/14 11:18

Matrix: Solid

Date Received: 06/05/14 16:30

Percent Solids: 86.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			160725	06/10/14 08:48	CTC	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	160922	06/12/14 05:27	JJP	TAL SEA
Total/NA	Prep	3050B			161428	06/17/14 13:52	PAB	TAL SEA
Total/NA	Analysis	6010B		1	161575	06/18/14 12:29	HJM	TAL SEA
Total/NA	Prep	7471A			161394	06/17/14 10:47	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161464	06/17/14 13:33	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

Client Sample ID: H5-2.0-060414

Lab Sample ID: 580-43878-11

Date Collected: 06/04/14 11:38

Matrix: Solid

Date Received: 06/05/14 16:30

Percent Solids: 88.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			161410	06/05/14 16:40	JMB	TAL SEA
Total/NA	Analysis	8260B		1	161459	06/17/14 22:08	CJ	TAL SEA
Total/NA	Prep	5035	RA		161855	06/05/14 16:40	JMB	TAL SEA
Total/NA	Analysis	8260B	RA	1	161858	06/22/14 17:15	CJ	TAL SEA
Total/NA	Prep	3550B			161395	06/17/14 10:53	CLH	TAL SEA
Total/NA	Analysis	8270C		10	161736	06/20/14 19:29	ERB	TAL SEA
Total/NA	Prep	3546	DL		161365	06/17/14 09:00	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx	DL	10	161504	06/18/14 15:05	JJP	TAL SEA
Total/NA	Prep	3546			160725	06/10/14 08:48	CTC	TAL SEA
Total/NA	Analysis	NWTPH-HCID		50	160922	06/12/14 05:46	JJP	TAL SEA
Total/NA	Prep	3050B			161428	06/17/14 13:52	PAB	TAL SEA
Total/NA	Analysis	6010B		1	161575	06/18/14 12:39	HJM	TAL SEA
Total/NA	Prep	7471A			161394	06/17/14 10:47	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161464	06/17/14 13:35	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Client Sample ID: H5-3.5-060414

Lab Sample ID: 580-43878-12

Date Collected: 06/04/14 11:30

Matrix: Solid

Date Received: 06/05/14 16:30

Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			161410	06/05/14 16:40	JMB	TAL SEA
Total/NA	Analysis	8260B		1	161459	06/17/14 22:36	CJ	TAL SEA
Total/NA	Prep	3550B			161395	06/17/14 10:53	CLH	TAL SEA
Total/NA	Analysis	8270C		1	161736	06/20/14 19:49	ERB	TAL SEA
Total/NA	Prep	3546			161365	06/17/14 09:00	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	161504	06/18/14 15:21	JJP	TAL SEA
Total/NA	Analysis	D 2216		1	161651	06/19/14 11:17	NMD	TAL SEA

Client Sample ID: G5-4.0-060414

Lab Sample ID: 580-43878-13

Date Collected: 06/04/14 12:02

Matrix: Solid

Date Received: 06/05/14 16:30

Percent Solids: 84.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			160725	06/10/14 08:48	CTC	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	160922	06/12/14 07:29	JJP	TAL SEA
Total/NA	Prep	3050B			161428	06/17/14 13:52	PAB	TAL SEA
Total/NA	Analysis	6010B		1	161575	06/18/14 12:42	HJM	TAL SEA
Total/NA	Prep	7471A			161394	06/17/14 10:47	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161464	06/17/14 13:38	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

Client Sample ID: G4-1.5-060414

Lab Sample ID: 580-43878-14

Date Collected: 06/04/14 12:58

Matrix: Solid

Date Received: 06/05/14 16:30

Percent Solids: 77.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			161365	06/17/14 09:00	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	161504	06/18/14 15:36	JJP	TAL SEA
Total/NA	Prep	3546			160725	06/10/14 08:48	CTC	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	160922	06/12/14 07:48	JJP	TAL SEA
Total/NA	Prep	3050B			161428	06/17/14 13:52	PAB	TAL SEA
Total/NA	Analysis	6010B		1	161575	06/18/14 12:45	HJM	TAL SEA
Total/NA	Prep	7471A			161394	06/17/14 10:47	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161464	06/17/14 13:40	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

Client Sample ID: H4-5.0-060414

Lab Sample ID: 580-43878-16

Date Collected: 06/04/14 13:33

Matrix: Solid

Date Received: 06/05/14 16:30

Percent Solids: 96.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			161365	06/17/14 09:00	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	161504	06/18/14 15:52	JJP	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Client Sample ID: H4-5.0-060414

Lab Sample ID: 580-43878-16

Date Collected: 06/04/14 13:33

Matrix: Solid

Date Received: 06/05/14 16:30

Percent Solids: 96.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			160725	06/10/14 08:48	CTC	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	160922	06/12/14 08:07	JJP	TAL SEA
Total/NA	Prep	3050B			161540	06/18/14 11:25	KJV	TAL SEA
Total/NA	Analysis	6010B		1	161679	06/19/14 12:18	HJM	TAL SEA
Total/NA	Prep	7471A			161394	06/17/14 10:47	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161464	06/17/14 13:42	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

Client Sample ID: I4-4.0-060414

Lab Sample ID: 580-43878-17

Date Collected: 06/04/14 13:49

Matrix: Solid

Date Received: 06/05/14 16:30

Percent Solids: 91.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			161045	06/13/14 09:43	RMB	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	161139	06/14/14 14:39	EKK	TAL SEA
Total/NA	Prep	3050B			161540	06/18/14 11:25	KJV	TAL SEA
Total/NA	Analysis	6010B		1	161679	06/19/14 12:39	HJM	TAL SEA
Total/NA	Prep	7471A			161394	06/17/14 10:47	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161464	06/17/14 13:45	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

Client Sample ID: I3-2.5-060414

Lab Sample ID: 580-43878-18

Date Collected: 06/04/14 14:08

Matrix: Solid

Date Received: 06/05/14 16:30

Percent Solids: 82.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			161361	06/17/14 08:29	MMH	TAL SEA
Total/NA	Analysis	8260B		1	161489	06/17/14 21:22	AS	TAL SEA
Total/NA	Prep	5035			161415	06/17/14 13:03	CRH	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	161478	06/18/14 13:13	IWH	TAL SEA
Total/NA	Prep	3546			161365	06/17/14 09:00	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	161504	06/18/14 16:08	JJP	TAL SEA
Total/NA	Prep	3546			160725	06/10/14 08:48	CTC	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	160922	06/12/14 08:45	JJP	TAL SEA
Total/NA	Prep	3050B			161540	06/18/14 11:25	KJV	TAL SEA
Total/NA	Analysis	6010B		1	161679	06/19/14 12:42	HJM	TAL SEA
Total/NA	Prep	7471A			161394	06/17/14 10:47	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161464	06/17/14 13:47	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Client Sample ID: H3-4.0-060414

Lab Sample ID: 580-43878-20

Date Collected: 06/04/14 14:30

Matrix: Solid

Date Received: 06/05/14 16:30

Percent Solids: 94.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			161045	06/13/14 09:43	RMB	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	161139	06/14/14 23:33	EKK	TAL SEA
Total/NA	Prep	3050B			161540	06/18/14 11:25	KJV	TAL SEA
Total/NA	Analysis	6010B		1	161679	06/19/14 12:45	HJM	TAL SEA
Total/NA	Prep	7471A			161394	06/17/14 10:47	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161464	06/17/14 13:50	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

Client Sample ID: G3-2.2-060414

Lab Sample ID: 580-43878-21

Date Collected: 06/04/14 14:52

Matrix: Solid

Date Received: 06/05/14 16:30

Percent Solids: 86.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			161365	06/17/14 09:00	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	161504	06/18/14 16:24	JJP	TAL SEA
Total/NA	Prep	3546			160725	06/10/14 08:48	CTC	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	160922	06/12/14 09:23	JJP	TAL SEA
Total/NA	Prep	3050B			161540	06/18/14 11:25	KJV	TAL SEA
Total/NA	Analysis	6010B		1	161679	06/19/14 12:48	HJM	TAL SEA
Total/NA	Prep	7471A			161394	06/17/14 10:47	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161464	06/17/14 13:52	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

Client Sample ID: G2-4.0-060414

Lab Sample ID: 580-43878-23

Date Collected: 06/04/14 15:20

Matrix: Solid

Date Received: 06/05/14 16:30

Percent Solids: 96.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			161045	06/13/14 09:43	RMB	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	161139	06/14/14 15:36	EKK	TAL SEA
Total/NA	Prep	3050B			161540	06/18/14 11:25	KJV	TAL SEA
Total/NA	Analysis	6010B		1	161679	06/19/14 12:50	HJM	TAL SEA
Total/NA	Prep	7471A			161394	06/17/14 10:47	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161464	06/17/14 13:55	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

Client Sample ID: H2-2.2-060414

Lab Sample ID: 580-43878-24

Date Collected: 06/04/14 15:39

Matrix: Solid

Date Received: 06/05/14 16:30

Percent Solids: 85.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			161365	06/17/14 09:00	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	161504	06/18/14 16:39	JJP	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Client Sample ID: H2-2.2-060414

Lab Sample ID: 580-43878-24

Date Collected: 06/04/14 15:39

Matrix: Solid

Date Received: 06/05/14 16:30

Percent Solids: 85.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			160725	06/10/14 08:48	CTC	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	160922	06/12/14 10:01	JJP	TAL SEA
Total/NA	Prep	3050B			161540	06/18/14 11:25	KJV	TAL SEA
Total/NA	Analysis	6010B		1	161679	06/19/14 12:53	HJM	TAL SEA
Total/NA	Prep	7471A			161394	06/17/14 10:47	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161464	06/17/14 14:02	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

Client Sample ID: G1-3.0-060414

Lab Sample ID: 580-43878-26

Date Collected: 06/04/14 15:49

Matrix: Solid

Date Received: 06/05/14 16:30

Percent Solids: 82.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			161045	06/13/14 09:43	RMB	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	161139	06/14/14 15:56	EKK	TAL SEA
Total/NA	Prep	3050B			161540	06/18/14 11:25	KJV	TAL SEA
Total/NA	Analysis	6010B		1	161679	06/19/14 12:56	HJM	TAL SEA
Total/NA	Prep	7471A			161394	06/17/14 10:47	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161464	06/17/14 14:05	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

Client Sample ID: F1-3.0-060414

Lab Sample ID: 580-43878-27

Date Collected: 06/04/14 15:55

Matrix: Solid

Date Received: 06/05/14 16:30

Percent Solids: 85.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			161045	06/13/14 09:43	RMB	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	161139	06/14/14 16:15	EKK	TAL SEA
Total/NA	Prep	3050B			161540	06/18/14 11:25	KJV	TAL SEA
Total/NA	Analysis	6010B		1	161679	06/19/14 12:59	HJM	TAL SEA
Total/NA	Prep	7471A			161394	06/17/14 10:47	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161464	06/17/14 14:07	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:25	CLH	TAL SEA

Client Sample ID: F2-1.0-060414

Lab Sample ID: 580-43878-28

Date Collected: 06/04/14 16:30

Matrix: Solid

Date Received: 06/05/14 16:30

Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			161365	06/17/14 09:00	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	161504	06/18/14 16:55	JJP	TAL SEA
Total/NA	Prep	3546			160725	06/10/14 08:48	CTC	TAL SEA
Total/NA	Analysis	NWTPH-HCID		10	160922	06/12/14 10:58	JJP	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Client Sample ID: F2-1.0-060414

Lab Sample ID: 580-43878-28

Date Collected: 06/04/14 16:30

Matrix: Solid

Date Received: 06/05/14 16:30

Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			161540	06/18/14 11:25	KJV	TAL SEA
Total/NA	Analysis	6010B		1	161679	06/19/14 13:09	HJM	TAL SEA
Total/NA	Prep	7471A			161402	06/17/14 11:51	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161464	06/17/14 14:22	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	161035	06/13/14 07:38	EKK	TAL SEA

Client Sample ID: E2-1.5-060414

Lab Sample ID: 580-43878-30

Date Collected: 06/04/14 16:40

Matrix: Solid

Date Received: 06/05/14 16:30

Percent Solids: 77.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			161361	06/17/14 08:29	MMH	TAL SEA
Total/NA	Analysis	8260B		1	161515	06/18/14 10:28	AS	TAL SEA
Total/NA	Prep	5035			161415	06/17/14 13:03	CRH	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	161478	06/18/14 13:47	IWH	TAL SEA
Total/NA	Prep	3546			161365	06/17/14 09:00	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	161504	06/18/14 17:10	JJP	TAL SEA
Total/NA	Prep	3546			160725	06/10/14 08:48	CTC	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	160922	06/12/14 11:17	JJP	TAL SEA
Total/NA	Prep	3050B			161540	06/18/14 11:25	KJV	TAL SEA
Total/NA	Analysis	6010B		1	161679	06/19/14 13:11	HJM	TAL SEA
Total/NA	Prep	7471A			161402	06/17/14 11:51	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161464	06/17/14 14:32	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

Client Sample ID: F3-1.5-060414

Lab Sample ID: 580-43878-32

Date Collected: 06/04/14 16:48

Matrix: Solid

Date Received: 06/05/14 16:30

Percent Solids: 89.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			161395	06/17/14 10:53	CLH	TAL SEA
Total/NA	Analysis	8270C		10	161736	06/20/14 20:10	ERB	TAL SEA
Total/NA	Prep	3546	DL		161365	06/17/14 09:00	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx	DL	10	161504	06/18/14 17:26	JJP	TAL SEA
Total/NA	Prep	3546			160725	06/10/14 08:48	CTC	TAL SEA
Total/NA	Analysis	NWTPH-HCID		50	160922	06/12/14 11:36	JJP	TAL SEA
Total/NA	Prep	3050B			161540	06/18/14 11:25	KJV	TAL SEA
Total/NA	Analysis	6010B		1	161679	06/19/14 13:14	HJM	TAL SEA
Total/NA	Prep	7471A			161402	06/17/14 11:51	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161464	06/17/14 14:34	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Client Sample ID: F3-3.0-060414

Lab Sample ID: 580-43878-33

Date Collected: 06/04/14 16:53

Matrix: Solid

Date Received: 06/05/14 16:30

Percent Solids: 96.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			161395	06/17/14 10:53	CLH	TAL SEA
Total/NA	Analysis	8270C		1	161736	06/20/14 20:30	ERB	TAL SEA
Total/NA	Prep	3546			161365	06/17/14 09:05	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	161504	06/18/14 17:57	JJP	TAL SEA
Total/NA	Analysis	D 2216		1	161651	06/19/14 11:17	NMD	TAL SEA

Laboratory References:

TAL SEA = TestAmerica Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Certification Summary

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Laboratory: TestAmerica Seattle

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska (UST)	State Program	10	UST-112	05-27-15
California	NELAP	9	01115CA	01-31-14 *
California	State Program	9	2901	01-31-15
L-A-B	DoD ELAP		L2236	01-19-16
L-A-B	ISO/IEC 17025		L2236	01-19-16
Montana (UST)	State Program	8	N/A	04-30-20
Oregon	NELAP	10	WA100007	11-06-14
USDA	Federal		P330-11-00222	04-08-17
Washington	State Program	10	C553	02-17-15

* Certification renewal pending - certification considered valid.

TestAmerica Seattle

Sample Summary

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43878-3

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-43878-1	G7-1.5-060414	Solid	06/04/14 08:58	06/05/14 16:30
580-43878-2	G7-3.0-060414	Solid	06/04/14 09:04	06/05/14 16:30
580-43878-3	H7-1.5-060414	Solid	06/04/14 09:16	06/05/14 16:30
580-43878-6	H6-1.5-060414	Solid	06/04/14 10:36	06/05/14 16:30
580-43878-7	H6-4.0-060414	Solid	06/04/14 10:45	06/05/14 16:30
580-43878-8	I6-1.5-060414	Solid	06/04/14 11:10	06/05/14 16:30
580-43878-9	I6-3.0-060414	Solid	06/04/14 11:05	06/05/14 16:30
580-43878-10	I5-3.0-060414	Solid	06/04/14 11:18	06/05/14 16:30
580-43878-11	H5-2.0-060414	Solid	06/04/14 11:38	06/05/14 16:30
580-43878-12	H5-3.5-060414	Solid	06/04/14 11:30	06/05/14 16:30
580-43878-13	G5-4.0-060414	Solid	06/04/14 12:02	06/05/14 16:30
580-43878-14	G4-1.5-060414	Solid	06/04/14 12:58	06/05/14 16:30
580-43878-16	H4-5.0-060414	Solid	06/04/14 13:33	06/05/14 16:30
580-43878-17	I4-4.0-060414	Solid	06/04/14 13:49	06/05/14 16:30
580-43878-18	I3-2.5-060414	Solid	06/04/14 14:08	06/05/14 16:30
580-43878-20	H3-4.0-060414	Solid	06/04/14 14:30	06/05/14 16:30
580-43878-21	G3-2.2-060414	Solid	06/04/14 14:52	06/05/14 16:30
580-43878-23	G2-4.0-060414	Solid	06/04/14 15:20	06/05/14 16:30
580-43878-24	H2-2.2-060414	Solid	06/04/14 15:39	06/05/14 16:30
580-43878-26	G1-3.0-060414	Solid	06/04/14 15:49	06/05/14 16:30
580-43878-27	F1-3.0-060414	Solid	06/04/14 15:55	06/05/14 16:30
580-43878-28	F2-1.0-060414	Solid	06/04/14 16:30	06/05/14 16:30
580-43878-30	E2-1.5-060414	Solid	06/04/14 16:40	06/05/14 16:30
580-43878-32	F3-1.5-060414	Solid	06/04/14 16:48	06/05/14 16:30
580-43878-33	F3-3.0-060414	Solid	06/04/14 16:53	06/05/14 16:30

TestAmerica Seattle

Client
Farallon Consulting

Address

975 5th Ave NW

Client Contact

Emerald Erickson-Mulvaney

Telephone Number (Area Code)/Fax Number

(425) 243-0800

Date

6/04/2014

Chain of Custody Number

22508

City

Issaquah

State

WA

Zip Code

98005

Sampler

Jerome Chen

Lab Contact

Chris Allen

Analysis (Attach list if more space is needed)

43878

Page 1 of 3

Project Name and Location (State)

Glacier Recycling / Auburn, WA

Contract/Purchase Order/Quote No.

2133077911

Sample I.D. and Location/Description
(Containers for each sample may be combined on one line)

1-G7-1.5-060414

6/04/2014

0858

Air

Aqueous

Sed.

Soil

Unpres.

H2SO4

HNO3

HCl

NaOH

ZnAc/NaOH

MeOH

Containers & Preservatives

1

Special Instructions/
Conditions of Receipt

580-43878 Chain of Custody

580-43878 Chain of Custody

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580-43878 Chain of Custody

2-G7-1.5-060414
3-H7-1.5-060414
4-H7-3.0-060414
5-G6-9.0-060414
6-H6-1.5-060414
7-H6-4.0-060414
8-I6-1.5-060414
9-I6-3.0-060414
10-I5-3.0-060414
11-H5-2.0-060414
12-H5-3.5-060414

6/04/2014
0858
0904
0916
0930
1015
1036
1045
1110
1105
1118
1138
1130

Air
Aqueous
Sed.
Soil
Unpres.
H2SO4
HNO3
HCl
NaOH
ZnAc/NaOH
MeOH

Containers & Preservatives

1

Special Instructions/
Conditions of Receipt

580-43878 Chain of Custody

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Cooler
☒ Yes ☐ No Cooler Temp: _____

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

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

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

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

QC Requirements (Specify)

1. Relinquished By Sign/Print
Emerald Erickson-Mulvaney 6/5/14

Date
6/5/14

Time
1300

2. Received By Sign/Print
Francisco Luna, Jr.

Date
6/5/14

Time
1426

3. Relinquished By Sign/Print

Date

Time

3. Received By Sign/Print

Date

Time

Comments

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

Age	Number of people
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11

Chain of Custody Record

Client Contact

Client Farallon Consulting		Client Contact Emerald Erickson-Mulanax		Date 6/04/2014		Chain of Custody Number 22509	
Address 975 5th Ave NW		Telephone Number (Area Code)/Fax Number (425) 245-0800		Lab Number 42878		Page 2 of 3	
City Issaquah		State WA		Zip Code 98005		Project Name and Location (State) Glacier Recycling / Auburn, WA	
Contract/Purchase Order/Quote No. 2173027441		Billing Contact Nick Herbert		Lab Contact Chris Allen		Special Instructions/ Conditions of Receipt	
Sample I.D. and Location/Description (Containers for each sample may be combined on one line)		Date		Time		Matrix	
G5-4.0-060414		6/04/2014		1202		Air	
G4-1.5-060414				1258		Aqueous	
G4-3.0-060414				1310		Sed.	
H4-5.0-060414				1333		Soil	
I4-4.0-060414				1349		Unpres.	
I3-2.5-060414				1408		H2SO4	
I3-3.5-060414				1415		HNO3	
H3-4.0-060414				1430		HCl	
G3-2.2-060414				1452		NaOH	
G3-3.5-060414				1501		ZnAc/ NaOH	
G2-4.0-060414				1520		H2O2	
H2-2.2-060414				1539			
Cooler ☒ Yes ☐ No Cooler Temp: _____		Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown		Sample Disposal ☐ Disposal By Lab ☐ Archive For _____ Months		(A fee may be assessed if samples are retained longer than 1 month)	
Turn Around Time Required (business days) ☐ 24 Hours ☐ 48 Hours ☐ 5 Days ☐ 10 Days ☐ 15 Days ☐ Other _____		QC Requirements (Specify)		Analysis (Attach list if more space is needed)			
1. Relinquished By Signal/Print Emerald Erickson-Mulanax		1. Received By Signal/Print Francisco Luna, Jr.		Date 6/5/14		Time 1420	
2. Relinquished By Signal/Print		2. Received By Signal/Print		Date		Time	
3. Relinquished By Signal/Print		3. Received By Signal/Print		Date		Time	

TAI-8274-580 (0210)

TestAmerica Seattle
5755 8th Street E.
Tacoma, WA 98424
Tel. 253-922-2310
Fax 253-922-5047
www.testamericainc.com

☐ Rush
☐ Short Hold

**Chain of
Custody Record**

Client
Farellon Consulting

Address
975 5th Ave NW

City
Issaquah

State
WA

Zip Code
98005

Project Name and Location (State)
Glacier Recycling / Auburn, WA

Contract/Purchase Order/Quote No.
2133073441

Client Contact

Emerald Erickson-Mulanax

Telephone Number (Area Code)/Fax Number
(425) 295-0800

Sampler
Jerome Chen

Billing Contact
Nick Harbert

Lab Contact
Chris Allen

Matrix

Containers & Preservatives

Date
6/04/2014

Lab Number
43878

Analysis (Attach list if more space is needed)

Chain of Custody Number
22510

Page **3** of **3**

6/30/2014

Special Instructions/
Conditions of Receipt

Sample ID and Location/Description
(Containers for each sample may be combined on one line)

Date

Time

Air

Aqueous

Sed.

Soil

Unpres.

H2SO4

HNO3

HCl

NaOH

ZnAc/
NaOH

Meq/L

Containers & Preservatives

Containers & Preservatives

Containers & Preservatives

Possible Hazard Identification

☐ Non-Hazard

☐ Flammable

☐ Skin Irritant

☐ Poison B

☐ Unknown

☐ Return To Client

Sample Disposal

☐ Disposal By Lab

☐ Archive For

Months

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

Turn Around Time Required (business days)

24 Hours 48 Hours 5 Days 10 Days 15 Days Other

1. Relinquished By Sign/Print

2. Relinquished By Sign/Print

3. Relinquished By Sign/Print

Comments

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

Comments

Comments

25-H2-3.5-060414

26-G1-3.0-060414

27-F1-3.0-060414

28-F2-1.0-060414

29-F2-3.5-060414

30-E2-1.5-060414

31-E2-3.0-060414

32-F3-1.5-060414

33-F3-3.0-060414

34-TRIP BLANKS

6/04/2014

1530

1549

1555

1630

1605

1640

1645

1648

1653

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6/04/2014

1530

1549

1555

1630

1605

1640

1645

1648

1653

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Cooler TB Dig/IR cor 4.6 unc 4.7

Cooler Dsc lg Green/Blue @ Lab 1630

Wet/Packs Packing Bubble

W/D

Cooler TB Dig/IR cor 4.5 unc 4.6

Cooler Dsc lg Blue/Wht @ Lab 1630

Wet/Packs Packing Bubble

W/D

Cooler TB Dig/IR cor 3.5 unc 3.6

Cooler Dsc lg Blue/Wht @ Lab 1630

Wet/Packs Packing Bubble

W/D

1. Received By Sign/Print

2. Received By Sign/Print

3. Received By Sign/Print

Comments

Login Sample Receipt Checklist

Client: Farallon Consulting LLC

Job Number: 580-43878-3

Login Number: 43878

List Source: TestAmerica Seattle

List Number: 1

Creator: Balles, Racheal M

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Seattle
5755 8th Street East
Tacoma, WA 98424
Tel: (253)922-2310

TestAmerica Job ID: 580-43877-3

Client Project/Site: Glacier Recycling/Auburn, WA

For:

Farallon Consulting LLC
975 5th Avenue NW
Suite 100
Issaquah, Washington 98027

Attn: Emerald Erickson-Mulanax

Kristine D. Allen

Authorized for release by:
7/7/2014 1:53:50 PM

Kristine Allen, Manager of Project Management
(253)248-4970
kristine.allen@testamericainc.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43877-3

Job ID: 580-43877-3

Laboratory: TestAmerica Seattle

Narrative

CASE NARRATIVE

Client: Farallon Consulting LLC
Project: Glacier Recycling/Auburn, WA
Report Number: 580-43877-3

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) resulting from a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are an unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes within the calibration range of the instrument or that reduces the interferences thereby enabling the quantification of target analytes.

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

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 06/06/2014; the samples arrived in good condition, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.2° C and 3.2° C.

A trip blank was submitted for analysis with these samples; however, it was not listed on the Chain of Custody (COC). Added to Chain of Custody (COC) as sample 24 without analysis assigned to sample: Trip Blank (580-43877-24).

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples D8-3.0-060514 (580-43877-13), G6-8.5-060514 (580-43877-16), TP-8-7.0-060514 (580-43877-18) and TP-7-CEN-5.0-060514 (580-43877-21) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were prepared on 06/06/2014 and 06/17/2014 and analyzed on 06/17/2014.

The Internal standard 1,4-Dichlorobenzene-d4 (IS group 51) responses were outside of acceptance limits for the following sample(s): TP-7-CEN-5.0-060514 (580-43877-21). The ISTD failure was confirmed by reanalysis in analytical batch 580-161858. The original results are reported.

4-Bromofluorobenzene (Surr) and Toluene-d8 (Surr) failed the surrogate recovery criteria high for TP-7-CEN-5.0-060514 (580-43877-21). Evidence of matrix interference is present; reanalysis in analytical batch 580-161858 confirmed the matrix effect on the surrogate. The original results are reported.

cis-1,3-Dichloropropene exceeded the RPD limit for LCSD 580-161410/3-A. The individual recoveries met the acceptance criteria.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples TP-8-7.0-060514 (580-43877-18), TP-9-8.0-060514 (580-43877-19), TP-7-N-5.0-060514 (580-43877-20), TP-7-CEN-5.0-060514 (580-43877-21) and TP-7-SW-060514 (580-43877-22) were analyzed for semivolatile organic compounds

Case Narrative

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43877-3

Job ID: 580-43877-3 (Continued)

Laboratory: TestAmerica Seattle (Continued)

(GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 06/17/2014 and analyzed on 06/20/2014, 06/26/2014, 06/28/2014 and 06/29/2014.

The continuing calibration verification (CCV) associated with analysis batch 580-161736 recovered above the upper control limit for Indeno(1,2,3-cd)pyrene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: (CCVIS 580-161736/3), (LCS 580-161395/2-A), (LCSD 580-161395/3-A), (MB 580-161395/1-A), TP-7-CEN-5.0-060514 (580-43877-21), TP-7-N-5.0-060514 (580-43877-20), TP-7-SW-060514 (580-43877-22).

Samples with hits for Indeno(1,2,3-cd)pyrene are reported in analytical batch 580-162312 which has passing CCV for this target.

No other analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GASOLINE RANGE ORGANICS (GRO)

Samples D8-3.0-060514 (580-43877-13), G6-8.5-060514 (580-43877-16) and TP-8-7.0-060514 (580-43877-18) were analyzed for gasoline range organics (GRO) in accordance with Method NWTPH-Gx. The samples were prepared on 06/18/2014 and analyzed on 06/19/2014.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

DIESEL AND EXTENDED RANGE ORGANICS

Samples D2-3.0-060514 (580-43877-4), B3-6.0-060514 (580-43877-9), D8-3.0-060514 (580-43877-13), G5.6-2.5-060514 (580-43877-14), G6-8.5-060514 (580-43877-16), I2-3.5-060514 (580-43877-17), TP-8-7.0-060514 (580-43877-18), TP-9-8.0-060514 (580-43877-19), TP-7-N-5.0-060514 (580-43877-20), TP-7-CEN-5.0-060514 (580-43877-21) and TP-7-SW-060514 (580-43877-22) were analyzed for diesel and extended range organics in accordance with Method NWTPH-Dx. The samples were prepared on 06/17/2014 and analyzed on 06/23/2014.

Sample G6-8.5-060514 (580-43877-16)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Motor Oil (>C24-C36) exceeded the RPD limit for the duplicate of sample TP-7-SW-060514DU (580-43877-22). Sample non-homogeneity is suspected.

In analytical batch 580-161882, for the following sample(s) from preparation batch 161470: D8-3.0-060514 (580-43877-13), G5.6-2.5-060514 (580-43877-14), TP-7-SW-060514 (580-43877-22), the results in the #2 Diesel Fuel (C10-C24) and Motor Oil (>C24-C36) range(s) are due to what most closely resembles a complex mixture of weathered/degraded diesel fuel and motor oil range products.

In analytical batch 580-161882, for the following sample(s) from preparation batch 161470: G5.6-2.5-060514 (580-43877-14), G6-8.5-060514 (580-43877-16), TP-7-CEN-5.0-060514 (580-43877-21), TP-7-N-5.0-060514 (580-43877-20), TP-9-8.0-060514 (580-43877-19), the results in the Motor Oil (>C24-C36) range is due primarily to motor oil range products.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

HCID

Samples E3-3.0-060514 (580-43877-1), E1-1.9-060514 (580-43877-2), D2-3.0-060514 (580-43877-4), C1-3.0-060514 (580-43877-6), D3-1.5-060514 (580-43877-7), B3-6.0-060514 (580-43877-9), C4-5.0-060514 (580-43877-10), A5-1.9-060514 (580-43877-11), D8-3.0-060514 (580-43877-13), G5.6-2.5-060514 (580-43877-14), G6-8.5-060514 (580-43877-16), I2-3.5-060514 (580-43877-17) and H1-2.0-060514 (580-43877-23) were analyzed for HCID in accordance with NWTPH-HCID. The samples were prepared on 06/10/2014 and analyzed on 06/12/2014.

In analytical batch 580-160922, for the following sample from preparation batch 160743: D2-3.0-060514 (580-43877-4), the results in the Motor Oil (>C24-C36) range is due to what most closely resembles a complex mixture of motor oil range products.

In analytical batch 580-160922, for the following sample(s) from preparation batch 160743: B3-6.0-060514 (580-43877-9), I2-3.5-060514 (580-43877-17), the results in the #2 Diesel Fuel (C10-C24) and Motor Oil (>C24-C36) range(s) are due to what most closely resembles a complex mixture of weathered/degraded diesel fuel and motor oil range products.

Case Narrative

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43877-3

Job ID: 580-43877-3 (Continued)

Laboratory: TestAmerica Seattle (Continued)

4-Bromofluorobenzene (Surr) failed the surrogate recovery criteria low by 1% for B3-6.0-060514 (580-43877-9). Evidence of matrix interference is present based on the chromatogram; therefore, re-extraction and/or re-analysis was not performed. The surrogate, o-terphenyl recovered within the control limits.

In analytical batch 580-160922, for the following sample(s) from preparation batch 160743: D8-3.0-060514 (580-43877-13), G6-8.5-060514 (580-43877-16), the results in the gasoline through toluene range, #2 Diesel Fuel (C10-C24), and Motor Oil (>C24-C36) range(s) are due to what most closely resembles a complex mixture of a weathered gasoline product, weathered/degraded diesel fuel, and motor oil range products.

In analytical batch 580-160922, for the following sample from preparation batch 160743: G5.6-2.5-060514 (580-43877-14), the results in the #2 Diesel Fuel (C10-C24) range is due to what most closely resembles a complex mixture of weathered/degraded diesel fuel.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL METALS (ICP)

Samples E3-3.0-060514 (580-43877-1), E1-1.9-060514 (580-43877-2), D2-3.0-060514 (580-43877-4), C1-3.0-060514 (580-43877-6), D3-1.5-060514 (580-43877-7), B3-6.0-060514 (580-43877-9), C4-5.0-060514 (580-43877-10), A5-1.9-060514 (580-43877-11), D8-3.0-060514 (580-43877-13), G5.6-2.5-060514 (580-43877-14), G6-8.5-060514 (580-43877-16), I2-3.5-060514 (580-43877-17) and H1-2.0-060514 (580-43877-23) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 06/18/2014 and analyzed on 06/19/2014.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL MERCURY

Samples E3-3.0-060514 (580-43877-1), E1-1.9-060514 (580-43877-2), D2-3.0-060514 (580-43877-4), C1-3.0-060514 (580-43877-6), D3-1.5-060514 (580-43877-7), B3-6.0-060514 (580-43877-9), C4-5.0-060514 (580-43877-10), A5-1.9-060514 (580-43877-11), D8-3.0-060514 (580-43877-13), G5.6-2.5-060514 (580-43877-14), G6-8.5-060514 (580-43877-16), I2-3.5-060514 (580-43877-17) and H1-2.0-060514 (580-43877-23) were analyzed for total mercury in accordance with EPA SW-846 Method 7471A. The samples were prepared and analyzed on 06/17/2014 and 06/19/2014.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PERCENT SOLIDS

Samples E3-3.0-060514 (580-43877-1), E1-1.9-060514 (580-43877-2), D2-3.0-060514 (580-43877-4), C1-3.0-060514 (580-43877-6), D3-1.5-060514 (580-43877-7), B3-6.0-060514 (580-43877-9), C4-5.0-060514 (580-43877-10), A5-1.9-060514 (580-43877-11), D8-3.0-060514 (580-43877-13), G5.6-2.5-060514 (580-43877-14), G6-8.5-060514 (580-43877-16), I2-3.5-060514 (580-43877-17), TP-8-7.0-060514 (580-43877-18), TP-9-8.0-060514 (580-43877-19), TP-7-N-5.0-060514 (580-43877-20), TP-7-CEN-5.0-060514 (580-43877-21), TP-7-SW-060514 (580-43877-22) and H1-2.0-060514 (580-43877-23) were analyzed for percent solids in accordance with ASTM D2216. The samples were analyzed on 06/11/2014 and 06/19/2014.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43877-3

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	ISTD response or retention time outside acceptable limits
X	Surrogate is outside control limits
*	RPD of the LCS and LCSD exceeds the control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.

GC Semi VOA

Qualifier	Qualifier Description
Y	The chromatographic response resembles a typical fuel pattern.
F3	Duplicate RPD exceeds the control limit
X	Surrogate is outside control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43877-3

Client Sample ID: E3-3.0-060514

Lab Sample ID: 580-43877-1

Date Collected: 06/05/14 08:41

Matrix: Solid

Date Received: 06/06/14 16:20

Percent Solids: 95.2

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	ND		100		mg/Kg	☼	06/10/14 11:11	06/12/14 12:15	1
Gasoline	ND		21		mg/Kg	☼	06/10/14 11:11	06/12/14 12:15	1
#2 Diesel (>C12-C24)	ND		52		mg/Kg	☼	06/10/14 11:11	06/12/14 12:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	74		50 - 150				06/10/14 11:11	06/12/14 12:15	1
4-Bromofluorobenzene (Surr)	53		50 - 150				06/10/14 11:11	06/12/14 12:15	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		3.1		mg/Kg	☼	06/18/14 13:38	06/19/14 16:10	1
Cadmium	ND		1.0		mg/Kg	☼	06/18/14 13:38	06/19/14 16:10	1
Chromium	20		1.3		mg/Kg	☼	06/18/14 13:38	06/19/14 16:10	1
Lead	2.2		1.5		mg/Kg	☼	06/18/14 13:38	06/19/14 16:10	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.015		0.015		mg/Kg	☼	06/19/14 10:04	06/19/14 12:47	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	95		0.10		%	—		06/11/14 09:02	1
Percent Moisture	4.8		0.10		%			06/11/14 09:02	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43877-3

Client Sample ID: E1-1.9-060514

Lab Sample ID: 580-43877-2

Date Collected: 06/05/14 08:58

Matrix: Solid

Date Received: 06/06/14 16:20

Percent Solids: 76.0

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	ND		130		mg/Kg	☼	06/10/14 11:11	06/12/14 12:53	1
Gasoline	ND		26		mg/Kg	☼	06/10/14 11:11	06/12/14 12:53	1
#2 Diesel (>C12-C24)	ND		65		mg/Kg	☼	06/10/14 11:11	06/12/14 12:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	78		50 - 150				06/10/14 11:11	06/12/14 12:53	1
4-Bromofluorobenzene (Surr)	55		50 - 150				06/10/14 11:11	06/12/14 12:53	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.9		3.0		mg/Kg	☼	06/18/14 13:38	06/19/14 16:13	1
Cadmium	ND		1.0		mg/Kg	☼	06/18/14 13:38	06/19/14 16:13	1
Chromium	34		1.3		mg/Kg	☼	06/18/14 13:38	06/19/14 16:13	1
Lead	23		1.5		mg/Kg	☼	06/18/14 13:38	06/19/14 16:13	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.045		0.017		mg/Kg	☼	06/19/14 10:04	06/19/14 12:49	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	76		0.10		%	—		06/11/14 09:02	1
Percent Moisture	24		0.10		%			06/11/14 09:02	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43877-3

Client Sample ID: D2-3.0-060514

Lab Sample ID: 580-43877-4

Date Collected: 06/05/14 09:16

Matrix: Solid

Date Received: 06/06/14 16:20

Percent Solids: 93.9

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		26		mg/Kg	☼	06/17/14 17:32	06/23/14 19:40	1
Motor Oil (>C24-C36)	ND		52		mg/Kg	☼	06/17/14 17:32	06/23/14 19:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	99		50 - 150				06/17/14 17:32	06/23/14 19:40	1

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	220	Y	100		mg/Kg	☼	06/10/14 11:13	06/12/14 13:12	1
Gasoline	ND		21		mg/Kg	☼	06/10/14 11:13	06/12/14 13:12	1
#2 Diesel (>C12-C24)	ND		52		mg/Kg	☼	06/10/14 11:13	06/12/14 13:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	84		50 - 150				06/10/14 11:13	06/12/14 13:12	1
4-Bromofluorobenzene (Surr)	65		50 - 150				06/10/14 11:13	06/12/14 13:12	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.6		mg/Kg	☼	06/18/14 13:38	06/19/14 16:16	1
Cadmium	ND		0.85		mg/Kg	☼	06/18/14 13:38	06/19/14 16:16	1
Chromium	15		1.1		mg/Kg	☼	06/18/14 13:38	06/19/14 16:16	1
Lead	2.0		1.3		mg/Kg	☼	06/18/14 13:38	06/19/14 16:16	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.031		0.017		mg/Kg	☼	06/19/14 10:04	06/19/14 12:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	94		0.10		%			06/11/14 09:02	1
Percent Moisture	6.1		0.10		%			06/11/14 09:02	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43877-3

Client Sample ID: C1-3.0-060514

Lab Sample ID: 580-43877-6

Date Collected: 06/05/14 09:50

Matrix: Solid

Date Received: 06/06/14 16:20

Percent Solids: 95.2

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	ND		100		mg/Kg	☼	06/10/14 11:13	06/12/14 13:31	1
Gasoline	ND		20		mg/Kg	☼	06/10/14 11:13	06/12/14 13:31	1
#2 Diesel (>C12-C24)	ND		50		mg/Kg	☼	06/10/14 11:13	06/12/14 13:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	78		50 - 150				06/10/14 11:13	06/12/14 13:31	1
4-Bromofluorobenzene (Surr)	56		50 - 150				06/10/14 11:13	06/12/14 13:31	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.5		2.4		mg/Kg	☼	06/18/14 13:38	06/19/14 16:19	1
Cadmium	ND		0.81		mg/Kg	☼	06/18/14 13:38	06/19/14 16:19	1
Chromium	20		1.1		mg/Kg	☼	06/18/14 13:38	06/19/14 16:19	1
Lead	1.9		1.2		mg/Kg	☼	06/18/14 13:38	06/19/14 16:19	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.018		0.017		mg/Kg	☼	06/19/14 10:04	06/19/14 12:54	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	95		0.10		%	—		06/11/14 09:02	1
Percent Moisture	4.8		0.10		%			06/11/14 09:02	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43877-3

Client Sample ID: D3-1.5-060514

Lab Sample ID: 580-43877-7

Date Collected: 06/05/14 10:10

Matrix: Solid

Date Received: 06/06/14 16:20

Percent Solids: 83.2

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	ND		120		mg/Kg	☼	06/10/14 11:13	06/12/14 13:50	1
Gasoline	ND		24		mg/Kg	☼	06/10/14 11:13	06/12/14 13:50	1
#2 Diesel (>C12-C24)	ND		59		mg/Kg	☼	06/10/14 11:13	06/12/14 13:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	84		50 - 150				06/10/14 11:13	06/12/14 13:50	1
4-Bromofluorobenzene (Surr)	62		50 - 150				06/10/14 11:13	06/12/14 13:50	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.7		3.4		mg/Kg	☼	06/18/14 13:38	06/19/14 16:28	1
Cadmium	ND		1.1		mg/Kg	☼	06/18/14 13:38	06/19/14 16:28	1
Chromium	24		1.5		mg/Kg	☼	06/18/14 13:38	06/19/14 16:28	1
Lead	19		1.7		mg/Kg	☼	06/18/14 13:38	06/19/14 16:28	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.038		0.020		mg/Kg	☼	06/19/14 10:04	06/19/14 13:04	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	83		0.10		%	—		06/11/14 09:02	1
Percent Moisture	17		0.10		%			06/11/14 09:02	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43877-3

Client Sample ID: B3-6.0-060514

Lab Sample ID: 580-43877-9

Date Collected: 06/05/14 10:38

Matrix: Solid

Date Received: 06/06/14 16:20

Percent Solids: 85.8

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		29		mg/Kg	☼	06/17/14 17:32	06/23/14 19:56	1
Motor Oil (>C24-C36)	ND		57		mg/Kg	☼	06/17/14 17:32	06/23/14 19:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	91		50 - 150				06/17/14 17:32	06/23/14 19:56	1

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	300	Y	110		mg/Kg	☼	06/10/14 11:13	06/12/14 14:10	1
Gasoline	ND		23		mg/Kg	☼	06/10/14 11:13	06/12/14 14:10	1
#2 Diesel (>C12-C24)	58	Y	57		mg/Kg	☼	06/10/14 11:13	06/12/14 14:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	71		50 - 150				06/10/14 11:13	06/12/14 14:10	1
4-Bromofluorobenzene (Surr)	49	X	50 - 150				06/10/14 11:13	06/12/14 14:10	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.0		2.2		mg/Kg	☼	06/18/14 13:38	06/19/14 16:31	1
Cadmium	ND		0.74		mg/Kg	☼	06/18/14 13:38	06/19/14 16:31	1
Chromium	17		0.97		mg/Kg	☼	06/18/14 13:38	06/19/14 16:31	1
Lead	3.7		1.1		mg/Kg	☼	06/18/14 13:38	06/19/14 16:31	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.044		0.017		mg/Kg	☼	06/19/14 10:04	06/19/14 13:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	86		0.10		%			06/11/14 09:02	1
Percent Moisture	14		0.10		%			06/11/14 09:02	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43877-3

Client Sample ID: C4-5.0-060514

Lab Sample ID: 580-43877-10

Date Collected: 06/05/14 10:58

Matrix: Solid

Date Received: 06/06/14 16:20

Percent Solids: 93.4

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	ND		100		mg/Kg	☼	06/10/14 11:13	06/12/14 14:29	1
Gasoline	ND		21		mg/Kg	☼	06/10/14 11:13	06/12/14 14:29	1
#2 Diesel (>C12-C24)	ND		52		mg/Kg	☼	06/10/14 11:13	06/12/14 14:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	78		50 - 150				06/10/14 11:13	06/12/14 14:29	1
4-Bromofluorobenzene (Surr)	52		50 - 150				06/10/14 11:13	06/12/14 14:29	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.2		2.3		mg/Kg	☼	06/18/14 13:38	06/19/14 16:34	1
Cadmium	ND		0.75		mg/Kg	☼	06/18/14 13:38	06/19/14 16:34	1
Chromium	15		0.98		mg/Kg	☼	06/18/14 13:38	06/19/14 16:34	1
Lead	2.9		1.1		mg/Kg	☼	06/18/14 13:38	06/19/14 16:34	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.034		0.016		mg/Kg	☼	06/19/14 10:04	06/19/14 13:10	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	93		0.10		%	—		06/11/14 09:02	1
Percent Moisture	6.6		0.10		%			06/11/14 09:02	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43877-3

Client Sample ID: A5-1.9-060514

Lab Sample ID: 580-43877-11

Date Collected: 06/05/14 11:11

Matrix: Solid

Date Received: 06/06/14 16:20

Percent Solids: 80.7

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	ND		120		mg/Kg	☼	06/10/14 11:13	06/12/14 14:48	1
Gasoline	ND		24		mg/Kg	☼	06/10/14 11:13	06/12/14 14:48	1
#2 Diesel (>C12-C24)	ND		60		mg/Kg	☼	06/10/14 11:13	06/12/14 14:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	88		50 - 150				06/10/14 11:13	06/12/14 14:48	1
4-Bromofluorobenzene (Surr)	55		50 - 150				06/10/14 11:13	06/12/14 14:48	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	11		2.8		mg/Kg	☼	06/18/14 13:38	06/19/14 16:37	1
Cadmium	ND		0.94		mg/Kg	☼	06/18/14 13:38	06/19/14 16:37	1
Chromium	26		1.2		mg/Kg	☼	06/18/14 13:38	06/19/14 16:37	1
Lead	42		1.4		mg/Kg	☼	06/18/14 13:38	06/19/14 16:37	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.15		0.021		mg/Kg	☼	06/17/14 11:51	06/17/14 14:37	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	81		0.10		%	—		06/11/14 09:21	1
Percent Moisture	19		0.10		%			06/11/14 09:21	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43877-3

Client Sample ID: D8-3.0-060514

Lab Sample ID: 580-43877-13

Date Collected: 06/05/14 11:40

Matrix: Solid

Date Received: 06/06/14 16:20

Percent Solids: 92.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		9.1		ug/Kg	☼	06/17/14 08:29	06/17/14 18:42	1
Toluene	ND		23		ug/Kg	☼	06/17/14 08:29	06/17/14 18:42	1
Ethylbenzene	ND		23		ug/Kg	☼	06/17/14 08:29	06/17/14 18:42	1
m-Xylene & p-Xylene	ND		23		ug/Kg	☼	06/17/14 08:29	06/17/14 18:42	1
o-Xylene	ND		23		ug/Kg	☼	06/17/14 08:29	06/17/14 18:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		80 - 120	06/17/14 08:29	06/17/14 18:42	1
4-Bromofluorobenzene (Surr)	105		70 - 120	06/17/14 08:29	06/17/14 18:42	1
Dibromofluoromethane (Surr)	95		75 - 132	06/17/14 08:29	06/17/14 18:42	1
1,2-Dichloroethane-d4 (Surr)	103		71 - 136	06/17/14 08:29	06/17/14 18:42	1

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		2.3		mg/Kg	☼	06/18/14 16:16	06/19/14 16:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		50 - 150	06/18/14 16:16	06/19/14 16:52	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	68		26		mg/Kg	☼	06/17/14 17:32	06/23/14 20:12	1
Motor Oil (>C24-C36)	60		52		mg/Kg	☼	06/17/14 17:32	06/23/14 20:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	83		50 - 150	06/17/14 17:32	06/23/14 20:12	1

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	1100	Y	100		mg/Kg	☼	06/10/14 11:13	06/12/14 15:07	1
Gasoline	28	Y	21		mg/Kg	☼	06/10/14 11:13	06/12/14 15:07	1
#2 Diesel (>C12-C24)	130	Y	51		mg/Kg	☼	06/10/14 11:13	06/12/14 15:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	78		50 - 150	06/10/14 11:13	06/12/14 15:07	1
4-Bromofluorobenzene (Surr)	64		50 - 150	06/10/14 11:13	06/12/14 15:07	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.6		mg/Kg	☼	06/18/14 13:38	06/19/14 16:40	1
Cadmium	ND		0.86		mg/Kg	☼	06/18/14 13:38	06/19/14 16:40	1
Chromium	21		1.1		mg/Kg	☼	06/18/14 13:38	06/19/14 16:40	1
Lead	2.0		1.3		mg/Kg	☼	06/18/14 13:38	06/19/14 16:40	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.028		0.014		mg/Kg	☼	06/17/14 11:51	06/17/14 14:44	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	93		0.10		%	-		06/11/14 09:02	1
Percent Moisture	7.2		0.10		%	-		06/11/14 09:02	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43877-3

Client Sample ID: G5.6-2.5-060514

Lab Sample ID: 580-43877-14

Date Collected: 06/05/14 12:22

Matrix: Solid

Date Received: 06/06/14 16:20

Percent Solids: 80.2

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	120		30		mg/Kg	☼	06/17/14 17:32	06/23/14 20:27	1
Motor Oil (>C24-C36)	690		61		mg/Kg	☼	06/17/14 17:32	06/23/14 20:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	91		50 - 150				06/17/14 17:32	06/23/14 20:27	1

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	ND		120		mg/Kg	☼	06/10/14 11:13	06/12/14 15:26	1
Gasoline	ND		25		mg/Kg	☼	06/10/14 11:13	06/12/14 15:26	1
#2 Diesel (>C12-C24)	84	Y	62		mg/Kg	☼	06/10/14 11:13	06/12/14 15:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	83		50 - 150				06/10/14 11:13	06/12/14 15:26	1
4-Bromofluorobenzene (Surr)	57		50 - 150				06/10/14 11:13	06/12/14 15:26	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.7		3.1		mg/Kg	☼	06/18/14 13:38	06/19/14 16:43	1
Cadmium	ND		1.0		mg/Kg	☼	06/18/14 13:38	06/19/14 16:43	1
Chromium	23		1.3		mg/Kg	☼	06/18/14 13:38	06/19/14 16:43	1
Lead	30		1.5		mg/Kg	☼	06/18/14 13:38	06/19/14 16:43	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.054		0.018		mg/Kg	☼	06/17/14 11:51	06/17/14 14:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	80		0.10		%			06/11/14 09:02	1
Percent Moisture	20		0.10		%			06/11/14 09:02	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43877-3

Client Sample ID: G6-8.5-060514

Lab Sample ID: 580-43877-16

Date Collected: 06/05/14 12:53

Matrix: Solid

Date Received: 06/06/14 16:20

Percent Solids: 86.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		12		ug/Kg	☼	06/17/14 08:29	06/17/14 19:09	1
Toluene	ND		29		ug/Kg	☼	06/17/14 08:29	06/17/14 19:09	1
Ethylbenzene	ND		29		ug/Kg	☼	06/17/14 08:29	06/17/14 19:09	1
m-Xylene & p-Xylene	ND		29		ug/Kg	☼	06/17/14 08:29	06/17/14 19:09	1
o-Xylene	ND		29		ug/Kg	☼	06/17/14 08:29	06/17/14 19:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		80 - 120	06/17/14 08:29	06/17/14 19:09	1
4-Bromofluorobenzene (Surr)	102		70 - 120	06/17/14 08:29	06/17/14 19:09	1
Dibromofluoromethane (Surr)	87		75 - 132	06/17/14 08:29	06/17/14 19:09	1
1,2-Dichloroethane-d4 (Surr)	98		71 - 136	06/17/14 08:29	06/17/14 19:09	1

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	4.6		3.0		mg/Kg	☼	06/18/14 16:16	06/19/14 17:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		50 - 150	06/18/14 16:16	06/19/14 17:26	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		280		mg/Kg	☼	06/17/14 17:32	06/23/14 20:59	10
Motor Oil (>C24-C36)	2500		560		mg/Kg	☼	06/17/14 17:32	06/23/14 20:59	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	81		50 - 150	06/17/14 17:32	06/23/14 20:59	10

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	530	Y	110		mg/Kg	☼	06/10/14 11:14	06/12/14 15:45	1
Gasoline	28	Y	22		mg/Kg	☼	06/10/14 11:14	06/12/14 15:45	1
#2 Diesel (>C12-C24)	130	Y	55		mg/Kg	☼	06/10/14 11:14	06/12/14 15:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	83		50 - 150	06/10/14 11:14	06/12/14 15:45	1
4-Bromofluorobenzene (Surr)	67		50 - 150	06/10/14 11:14	06/12/14 15:45	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.4		2.7		mg/Kg	☼	06/18/14 13:38	06/19/14 16:45	1
Cadmium	ND		0.90		mg/Kg	☼	06/18/14 13:38	06/19/14 16:45	1
Chromium	17		1.2		mg/Kg	☼	06/18/14 13:38	06/19/14 16:45	1
Lead	23		1.4		mg/Kg	☼	06/18/14 13:38	06/19/14 16:45	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.048		0.016		mg/Kg	☼	06/17/14 11:51	06/17/14 14:49	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	86		0.10		%	-		06/11/14 09:02	1
Percent Moisture	14		0.10		%	-		06/11/14 09:02	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43877-3

Client Sample ID: I2-3.5-060514

Lab Sample ID: 580-43877-17

Date Collected: 06/05/14 13:05

Matrix: Solid

Date Received: 06/06/14 16:20

Percent Solids: 96.0

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		25		mg/Kg	☼	06/17/14 17:32	06/23/14 21:15	1
Motor Oil (>C24-C36)	ND		50		mg/Kg	☼	06/17/14 17:32	06/23/14 21:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	93		50 - 150				06/17/14 17:32	06/23/14 21:15	1

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	1000	Y	100		mg/Kg	☼	06/10/14 11:14	06/12/14 16:04	1
Gasoline	ND		20		mg/Kg	☼	06/10/14 11:14	06/12/14 16:04	1
#2 Diesel (>C12-C24)	110	Y	51		mg/Kg	☼	06/10/14 11:14	06/12/14 16:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	65		50 - 150				06/10/14 11:14	06/12/14 16:04	1
4-Bromofluorobenzene (Surr)	51		50 - 150				06/10/14 11:14	06/12/14 16:04	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.0		mg/Kg	☼	06/18/14 13:38	06/19/14 16:48	1
Cadmium	ND		0.66		mg/Kg	☼	06/18/14 13:38	06/19/14 16:48	1
Chromium	12		0.86		mg/Kg	☼	06/18/14 13:38	06/19/14 16:48	1
Lead	1.7		0.99		mg/Kg	☼	06/18/14 13:38	06/19/14 16:48	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.016		0.014		mg/Kg	☼	06/17/14 11:51	06/17/14 14:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	96		0.10		%			06/11/14 09:02	1
Percent Solids	97		0.10		%			06/19/14 11:17	1
Percent Moisture	4.0		0.10		%			06/11/14 09:02	1
Percent Moisture	3.4		0.10		%			06/19/14 11:17	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43877-3

Client Sample ID: TP-8-7.0-060514

Lab Sample ID: 580-43877-18

Date Collected: 06/05/14 13:44

Matrix: Solid

Date Received: 06/06/14 16:20

Percent Solids: 91.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		9.0		ug/Kg	☼	06/17/14 08:29	06/17/14 19:36	1
Toluene	ND		22		ug/Kg	☼	06/17/14 08:29	06/17/14 19:36	1
Ethylbenzene	ND		22		ug/Kg	☼	06/17/14 08:29	06/17/14 19:36	1
m-Xylene & p-Xylene	ND		22		ug/Kg	☼	06/17/14 08:29	06/17/14 19:36	1
o-Xylene	ND		22		ug/Kg	☼	06/17/14 08:29	06/17/14 19:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		80 - 120	06/17/14 08:29	06/17/14 19:36	1
4-Bromofluorobenzene (Surr)	102		70 - 120	06/17/14 08:29	06/17/14 19:36	1
Dibromofluoromethane (Surr)	95		75 - 132	06/17/14 08:29	06/17/14 19:36	1
1,2-Dichloroethane-d4 (Surr)	102		71 - 136	06/17/14 08:29	06/17/14 19:36	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		22		ug/Kg	☼	06/17/14 08:24	06/28/14 23:54	1
Chrysene	ND		27		ug/Kg	☼	06/17/14 08:24	06/28/14 23:54	1
Benzo[a]pyrene	ND		32		ug/Kg	☼	06/17/14 08:24	06/28/14 23:54	1
Indeno[1,2,3-cd]pyrene	ND		43		ug/Kg	☼	06/17/14 08:24	06/28/14 23:54	1
Dibenz(a,h)anthracene	ND		43		ug/Kg	☼	06/17/14 08:24	06/28/14 23:54	1
Benzo[b]fluoranthene	ND		22		ug/Kg	☼	06/17/14 08:24	06/28/14 23:54	1
Benzo[k]fluoranthene	ND		27		ug/Kg	☼	06/17/14 08:24	06/28/14 23:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	110		42 - 151	06/17/14 08:24	06/28/14 23:54	1

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		2.3		mg/Kg	☼	06/18/14 16:16	06/19/14 18:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		50 - 150	06/18/14 16:16	06/19/14 18:00	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		26		mg/Kg	☼	06/17/14 17:32	06/23/14 21:30	1
Motor Oil (>C24-C36)	ND		52		mg/Kg	☼	06/17/14 17:32	06/23/14 21:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	91		50 - 150	06/17/14 17:32	06/23/14 21:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	92		0.10		%	—		06/19/14 11:17	1
Percent Moisture	8.2		0.10		%	—		06/19/14 11:17	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43877-3

Client Sample ID: TP-9-8.0-060514

Lab Sample ID: 580-43877-19

Date Collected: 06/05/14 13:54

Matrix: Solid

Date Received: 06/06/14 16:20

Percent Solids: 85.9

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		23		ug/Kg	☼	06/17/14 08:24	06/29/14 00:19	1
Chrysene	ND		29		ug/Kg	☼	06/17/14 08:24	06/29/14 00:19	1
Benzo[a]pyrene	ND		34		ug/Kg	☼	06/17/14 08:24	06/29/14 00:19	1
Indeno[1,2,3-cd]pyrene	ND		46		ug/Kg	☼	06/17/14 08:24	06/29/14 00:19	1
Dibenz(a,h)anthracene	ND		46		ug/Kg	☼	06/17/14 08:24	06/29/14 00:19	1
Benzo[b]fluoranthene	ND		23		ug/Kg	☼	06/17/14 08:24	06/29/14 00:19	1
Benzo[k]fluoranthene	ND		29		ug/Kg	☼	06/17/14 08:24	06/29/14 00:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	109		42 - 151	06/17/14 08:24	06/29/14 00:19	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		28		mg/Kg	☼	06/17/14 17:32	06/23/14 21:46	1
Motor Oil (>C24-C36)	67		56		mg/Kg	☼	06/17/14 17:32	06/23/14 21:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	77		50 - 150	06/17/14 17:32	06/23/14 21:46	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	86		0.10		%	—		06/19/14 11:17	1
Percent Moisture	14		0.10		%	—		06/19/14 11:17	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43877-3

Client Sample ID: TP-7-N-5.0-060514

Lab Sample ID: 580-43877-20

Date Collected: 06/05/14 14:28

Matrix: Solid

Date Received: 06/06/14 16:20

Percent Solids: 87.9

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		22		ug/Kg	☼	06/17/14 10:53	06/20/14 15:45	1
Chrysene	ND		28		ug/Kg	☼	06/17/14 10:53	06/20/14 15:45	1
Benzo[a]pyrene	ND		33		ug/Kg	☼	06/17/14 10:53	06/20/14 15:45	1
Indeno[1,2,3-cd]pyrene	ND	^	44		ug/Kg	☼	06/17/14 10:53	06/20/14 15:45	1
Dibenz(a,h)anthracene	ND		44		ug/Kg	☼	06/17/14 10:53	06/20/14 15:45	1
Benzo[b]fluoranthene	ND		22		ug/Kg	☼	06/17/14 10:53	06/20/14 15:45	1
Benzo[k]fluoranthene	ND		28		ug/Kg	☼	06/17/14 10:53	06/20/14 15:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	89		42 - 151	06/17/14 10:53	06/20/14 15:45	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		27		mg/Kg	☼	06/17/14 17:37	06/23/14 22:02	1
Motor Oil (>C24-C36)	71		55		mg/Kg	☼	06/17/14 17:37	06/23/14 22:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	82		50 - 150	06/17/14 17:37	06/23/14 22:02	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	88		0.10		%	—		06/19/14 11:17	1
Percent Moisture	12		0.10		%	—		06/19/14 11:17	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43877-3

Client Sample ID: TP-7-CEN-5.0-060514

Lab Sample ID: 580-43877-21

Date Collected: 06/05/14 14:34

Matrix: Solid

Date Received: 06/06/14 16:20

Percent Solids: 84.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		1.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
Chloromethane	ND		1.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
Vinyl chloride	ND		1.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
Bromomethane	ND		1.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
Chloroethane	ND		1.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
Trichlorofluoromethane	ND		1.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
1,1-Dichloroethene	ND		5.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
Methylene Chloride	ND		15		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
1,1-Dichloroethane	ND		1.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
2,2-Dichloropropane	ND		5.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
Chlorobromomethane	ND		2.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
Chloroform	ND		1.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
Carbon tetrachloride	ND		1.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
1,1-Dichloropropene	ND		1.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
Benzene	ND		1.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
1,2-Dichloroethane	ND		1.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
Trichloroethene	ND		1.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
1,2-Dichloropropane	ND		1.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
Dibromomethane	ND		1.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
Dichlorobromomethane	ND		1.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
cis-1,3-Dichloropropene	ND	*	1.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
Toluene	ND		2.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
trans-1,3-Dichloropropene	ND		1.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
1,1,2-Trichloroethane	ND		2.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
Tetrachloroethene	ND		1.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
1,3-Dichloropropane	ND		2.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
Chlorodibromomethane	ND		2.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
Ethylene Dibromide	ND		1.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
Chlorobenzene	ND		1.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
Ethylbenzene	ND		1.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
m-Xylene & p-Xylene	ND		2.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
o-Xylene	ND		2.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
Styrene	ND		2.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
Bromoform	ND	*	1.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
Isopropylbenzene	ND		2.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
Bromobenzene	ND	*	2.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
N-Propylbenzene	ND	*	2.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
1,2,3-Trichloropropane	ND	*	1.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
2-Chlorotoluene	ND	*	2.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
1,3,5-Trimethylbenzene	ND	*	5.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
4-Chlorotoluene	ND	*	2.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
tert-Butylbenzene	ND	*	2.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
1,2,4-Trimethylbenzene	ND	*	2.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
sec-Butylbenzene	ND	*	2.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43877-3

Client Sample ID: TP-7-CEN-5.0-060514

Lab Sample ID: 580-43877-21

Date Collected: 06/05/14 14:34

Matrix: Solid

Date Received: 06/06/14 16:20

Percent Solids: 84.7

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND	*	2.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
4-Isopropyltoluene	ND	*	2.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
1,4-Dichlorobenzene	ND	*	1.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
n-Butylbenzene	ND	*	2.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
1,2-Dichlorobenzene	ND	*	2.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
1,2-Dibromo-3-Chloropropane	ND	*	2.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
1,2,4-Trichlorobenzene	ND	*	2.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
1,2,3-Trichlorobenzene	ND	*	2.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
Hexachlorobutadiene	ND	*	2.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
Naphthalene	ND	*	5.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1
Methyl tert-butyl ether	ND		1.0		ug/Kg	☼	06/06/14 16:30	06/17/14 21:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	121	X	80 - 120	06/06/14 16:30	06/17/14 21:41	1
4-Bromofluorobenzene (Surr)	137	* X	70 - 120	06/06/14 16:30	06/17/14 21:41	1
Dibromofluoromethane (Surr)	113		75 - 132	06/06/14 16:30	06/17/14 21:41	1
Trifluorotoluene (Surr)	103		65 - 140	06/06/14 16:30	06/17/14 21:41	1
1,2-Dichloroethane-d4 (Surr)	121		71 - 136	06/06/14 16:30	06/17/14 21:41	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		23		ug/Kg	☼	06/17/14 10:53	06/20/14 16:06	1
Chrysene	ND		29		ug/Kg	☼	06/17/14 10:53	06/20/14 16:06	1
Benzo[a]pyrene	ND		35		ug/Kg	☼	06/17/14 10:53	06/20/14 16:06	1
Indeno[1,2,3-cd]pyrene	ND	^	46		ug/Kg	☼	06/17/14 10:53	06/20/14 16:06	1
Dibenz(a,h)anthracene	ND		46		ug/Kg	☼	06/17/14 10:53	06/20/14 16:06	1
Benzo[b]fluoranthene	ND		23		ug/Kg	☼	06/17/14 10:53	06/20/14 16:06	1
Benzo[k]fluoranthene	ND		29		ug/Kg	☼	06/17/14 10:53	06/20/14 16:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	90		42 - 151	06/17/14 10:53	06/20/14 16:06	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		28		mg/Kg	☼	06/17/14 17:37	06/23/14 22:17	1
Motor Oil (>C24-C36)	100		57		mg/Kg	☼	06/17/14 17:37	06/23/14 22:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	87		50 - 150	06/17/14 17:37	06/23/14 22:17	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	85		0.10		%			06/19/14 11:17	1
Percent Moisture	15		0.10		%			06/19/14 11:17	1

TestAmerica Seattle

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43877-3

Client Sample ID: TP-7-SW-060514

Lab Sample ID: 580-43877-22

Date Collected: 06/05/14 14:41

Matrix: Solid

Date Received: 06/06/14 16:20

Percent Solids: 91.7

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		21		ug/Kg	☼	06/17/14 10:53	06/26/14 16:10	1
Chrysene	ND		26		ug/Kg	☼	06/17/14 10:53	06/26/14 16:10	1
Benzo[a]pyrene	ND		31		ug/Kg	☼	06/17/14 10:53	06/26/14 16:10	1
Indeno[1,2,3-cd]pyrene	ND		41		ug/Kg	☼	06/17/14 10:53	06/26/14 16:10	1
Dibenz(a,h)anthracene	ND		41		ug/Kg	☼	06/17/14 10:53	06/26/14 16:10	1
Benzo[b]fluoranthene	ND		21		ug/Kg	☼	06/17/14 10:53	06/26/14 16:10	1
Benzo[k]fluoranthene	ND		26		ug/Kg	☼	06/17/14 10:53	06/26/14 16:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	96		42 - 151	06/17/14 10:53	06/26/14 16:10	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	27		26		mg/Kg	☼	06/17/14 17:37	06/23/14 22:33	1
Motor Oil (>C24-C36)	450		53		mg/Kg	☼	06/17/14 17:37	06/23/14 22:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	83		50 - 150	06/17/14 17:37	06/23/14 22:33	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	92		0.10		%	—		06/19/14 11:17	1
Percent Moisture	8.3		0.10		%			06/19/14 11:17	1

Client Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43877-3

Client Sample ID: H1-2.0-060514

Lab Sample ID: 580-43877-23

Date Collected: 06/05/14 13:25

Matrix: Solid

Date Received: 06/06/14 16:20

Percent Solids: 75.5

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	ND		130		mg/Kg	☼	06/10/14 11:14	06/12/14 16:23	1
Gasoline	ND		26		mg/Kg	☼	06/10/14 11:14	06/12/14 16:23	1
#2 Diesel (>C12-C24)	ND		65		mg/Kg	☼	06/10/14 11:14	06/12/14 16:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	83		50 - 150				06/10/14 11:14	06/12/14 16:23	1
4-Bromofluorobenzene (Surr)	53		50 - 150				06/10/14 11:14	06/12/14 16:23	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	18		2.9		mg/Kg	☼	06/18/14 13:38	06/19/14 16:51	1
Cadmium	ND		0.97		mg/Kg	☼	06/18/14 13:38	06/19/14 16:51	1
Chromium	30		1.3		mg/Kg	☼	06/18/14 13:38	06/19/14 16:51	1
Lead	69		1.5		mg/Kg	☼	06/18/14 13:38	06/19/14 16:51	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.13		0.015		mg/Kg	☼	06/17/14 11:51	06/17/14 14:54	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	76		0.10		%	—		06/11/14 09:02	1
Percent Moisture	24		0.10		%			06/11/14 09:02	1

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43877-3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 580-161361/1-A

Matrix: Solid

Analysis Batch: 161489

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 161361

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		16		ug/Kg		06/17/14 08:29	06/17/14 15:33	1
Toluene	ND		40		ug/Kg		06/17/14 08:29	06/17/14 15:33	1
Ethylbenzene	ND		40		ug/Kg		06/17/14 08:29	06/17/14 15:33	1
m-Xylene & p-Xylene	ND		40		ug/Kg		06/17/14 08:29	06/17/14 15:33	1
o-Xylene	ND		40		ug/Kg		06/17/14 08:29	06/17/14 15:33	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120	06/17/14 08:29	06/17/14 15:33	1
4-Bromofluorobenzene (Surr)	101		70 - 120	06/17/14 08:29	06/17/14 15:33	1
Dibromofluoromethane (Surr)	95		75 - 132	06/17/14 08:29	06/17/14 15:33	1
Trifluorotoluene (Surr)	104		65 - 140	06/17/14 08:29	06/17/14 15:33	1
1,2-Dichloroethane-d4 (Surr)	99		71 - 136	06/17/14 08:29	06/17/14 15:33	1

Lab Sample ID: LCS 580-161361/2-A

Matrix: Solid

Analysis Batch: 161489

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 161361

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	800	821		ug/Kg		103	70 - 128
Toluene	800	824		ug/Kg		103	75 - 126
Ethylbenzene	800	834		ug/Kg		104	78 - 126
m-Xylene & p-Xylene	800	848		ug/Kg		106	78 - 126
o-Xylene	800	895		ug/Kg		112	77 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	100		80 - 120
4-Bromofluorobenzene (Surr)	103		70 - 120
Dibromofluoromethane (Surr)	96		75 - 132
Trifluorotoluene (Surr)	93		65 - 140
1,2-Dichloroethane-d4 (Surr)	98		71 - 136

Lab Sample ID: LCSD 580-161361/3-A

Matrix: Solid

Analysis Batch: 161489

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 161361

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	800	846		ug/Kg		106	70 - 128	3	19
Toluene	800	833		ug/Kg		104	75 - 126	1	19
Ethylbenzene	800	852		ug/Kg		106	78 - 126	2	23
m-Xylene & p-Xylene	800	862		ug/Kg		108	78 - 126	2	23
o-Xylene	800	915		ug/Kg		114	77 - 127	2	22

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	100		80 - 120
4-Bromofluorobenzene (Surr)	107		70 - 120
Dibromofluoromethane (Surr)	99		75 - 132
Trifluorotoluene (Surr)	94		65 - 140

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43877-3

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 580-161361/3-A

Matrix: Solid

Analysis Batch: 161489

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 161361

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		71 - 136

Lab Sample ID: MB 580-161410/1-A

Matrix: Solid

Analysis Batch: 161459

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 161410

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Chloromethane	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Vinyl chloride	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Bromomethane	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Chloroethane	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Trichlorofluoromethane	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,1-Dichloroethene	ND		5.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Methylene Chloride	ND		15		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
trans-1,2-Dichloroethene	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,1-Dichloroethane	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
2,2-Dichloropropane	ND		5.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
cis-1,2-Dichloroethene	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Chlorobromomethane	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Chloroform	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,1,1-Trichloroethane	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Carbon tetrachloride	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,1-Dichloropropene	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Benzene	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,2-Dichloroethane	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Trichloroethene	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,2-Dichloropropane	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Dibromomethane	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Dichlorobromomethane	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Toluene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
trans-1,3-Dichloropropene	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,1,2-Trichloroethane	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Tetrachloroethene	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,3-Dichloropropane	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Chlorodibromomethane	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Ethylene Dibromide	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Chlorobenzene	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Ethylbenzene	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,1,1,2-Tetrachloroethane	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
m-Xylene & p-Xylene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
o-Xylene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Styrene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Bromoform	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Isopropylbenzene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Bromobenzene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43877-3

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 580-161410/1-A

Matrix: Solid

Analysis Batch: 161459

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 161410

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,2,3-Trichloropropane	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
2-Chlorotoluene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,3,5-Trimethylbenzene	ND		5.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
4-Chlorotoluene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
tert-Butylbenzene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
sec-Butylbenzene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,3-Dichlorobenzene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
4-Isopropyltoluene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
n-Butylbenzene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,2-Dichlorobenzene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,2,4-Trichlorobenzene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
1,2,3-Trichlorobenzene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Hexachlorobutadiene	ND		2.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Naphthalene	ND		5.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1
Methyl tert-butyl ether	ND		1.0		ug/Kg		06/17/14 12:42	06/17/14 19:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		80 - 120	06/17/14 12:42	06/17/14 19:00	1
4-Bromofluorobenzene (Surr)	101		70 - 120	06/17/14 12:42	06/17/14 19:00	1
Dibromofluoromethane (Surr)	102		75 - 132	06/17/14 12:42	06/17/14 19:00	1
Trifluorotoluene (Surr)	102		65 - 140	06/17/14 12:42	06/17/14 19:00	1
1,2-Dichloroethane-d4 (Surr)	112		71 - 136	06/17/14 12:42	06/17/14 19:00	1

Lab Sample ID: LCS 580-161410/2-A

Matrix: Solid

Analysis Batch: 161459

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 161410

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	30.0	26.8		ug/Kg		89	38 - 150
Chloromethane	30.0	28.3		ug/Kg		94	55 - 136
Vinyl chloride	30.0	27.2		ug/Kg		91	67 - 131
Bromomethane	30.0	33.7		ug/Kg		112	57 - 148
Chloroethane	30.0	32.8		ug/Kg		109	48 - 167
Trichlorofluoromethane	30.0	32.8		ug/Kg		109	47 - 165
1,1-Dichloroethene	30.0	31.5		ug/Kg		105	70 - 133
Methylene Chloride	30.0	37.4		ug/Kg		125	57 - 146
trans-1,2-Dichloroethene	30.0	29.4		ug/Kg		98	76 - 131
1,1-Dichloroethane	30.0	32.3		ug/Kg		108	70 - 128
2,2-Dichloropropane	30.0	31.9		ug/Kg		106	56 - 144
cis-1,2-Dichloroethene	30.0	31.9		ug/Kg		106	70 - 130
Chlorobromomethane	30.0	31.9		ug/Kg		106	78 - 123
Chloroform	30.0	33.8		ug/Kg		113	78 - 125
1,1,1-Trichloroethane	30.0	31.3		ug/Kg		104	63 - 135
Carbon tetrachloride	30.0	29.4		ug/Kg		98	59 - 145

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43877-3

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 580-161410/2-A

Matrix: Solid

Analysis Batch: 161459

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 161410

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloropropene	30.0	32.9		ug/Kg		110	77 - 125
Benzene	30.0	32.3		ug/Kg		108	70 - 128
1,2-Dichloroethane	30.0	35.4		ug/Kg		118	71 - 128
Trichloroethene	30.0	32.2		ug/Kg		107	83 - 124
1,2-Dichloropropane	30.0	35.7		ug/Kg		119	76 - 161
Dibromomethane	30.0	34.6		ug/Kg		115	78 - 126
Dichlorobromomethane	30.0	36.3		ug/Kg		121	58 - 133
cis-1,3-Dichloropropene	30.0	29.9		ug/Kg		100	69 - 129
Toluene	30.0	29.2		ug/Kg		97	75 - 126
trans-1,3-Dichloropropene	30.0	29.8		ug/Kg		99	72 - 129
1,1,1,2-Tetrachloroethane	30.0	30.3		ug/Kg		101	77 - 124
Tetrachloroethene	30.0	27.2		ug/Kg		91	56 - 155
1,3-Dichloropropane	30.0	29.9		ug/Kg		100	77 - 123
Chlorodibromomethane	30.0	31.9		ug/Kg		106	42 - 129
Ethylene Dibromide	30.0	31.4		ug/Kg		105	69 - 126
Chlorobenzene	30.0	30.8		ug/Kg		103	75 - 120
Ethylbenzene	30.0	31.6		ug/Kg		105	78 - 126
1,1,1,2-Tetrachloroethane	30.0	31.4		ug/Kg		105	72 - 123
1,1,2,2-Tetrachloroethane	30.0	28.8		ug/Kg		96	73 - 125
m-Xylene & p-Xylene	30.0	33.2		ug/Kg		111	78 - 126
o-Xylene	30.0	32.5		ug/Kg		108	77 - 127
Styrene	30.0	30.3		ug/Kg		101	79 - 127
Bromoform	30.0	29.1		ug/Kg		97	50 - 124
Isopropylbenzene	30.0	29.6		ug/Kg		99	79 - 127
Bromobenzene	30.0	31.9		ug/Kg		106	80 - 120
N-Propylbenzene	30.0	32.8		ug/Kg		109	81 - 127
1,2,3-Trichloropropane	30.0	28.4		ug/Kg		95	77 - 123
2-Chlorotoluene	30.0	32.6		ug/Kg		109	79 - 122
1,3,5-Trimethylbenzene	30.0	33.0		ug/Kg		110	80 - 125
4-Chlorotoluene	30.0	33.6		ug/Kg		112	80 - 122
tert-Butylbenzene	30.0	34.0		ug/Kg		113	71 - 136
1,2,4-Trimethylbenzene	30.0	33.2		ug/Kg		111	79 - 124
sec-Butylbenzene	30.0	32.5		ug/Kg		108	78 - 128
1,3-Dichlorobenzene	30.0	31.3		ug/Kg		104	79 - 119
4-Isopropyltoluene	30.0	31.3		ug/Kg		104	78 - 126
1,4-Dichlorobenzene	30.0	31.4		ug/Kg		105	79 - 117
n-Butylbenzene	30.0	33.7		ug/Kg		112	78 - 128
1,2-Dichlorobenzene	30.0	32.2		ug/Kg		107	79 - 117
1,2-Dibromo-3-Chloropropane	30.0	23.5		ug/Kg		78	53 - 132
1,2,4-Trichlorobenzene	30.0	32.2		ug/Kg		107	61 - 130
1,2,3-Trichlorobenzene	30.0	30.2		ug/Kg		101	61 - 130
Hexachlorobutadiene	30.0	35.9		ug/Kg		120	68 - 134
Naphthalene	30.0	26.7		ug/Kg		89	14 - 170
Methyl tert-butyl ether	30.0	30.2		ug/Kg		101	65 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	91		80 - 120
4-Bromofluorobenzene (Surr)	106		70 - 120

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43877-3

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 580-161410/2-A

Matrix: Solid

Analysis Batch: 161459

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 161410

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
Dibromofluoromethane (Surr)	103		75 - 132
Trifluorotoluene (Surr)	97		65 - 140
1,2-Dichloroethane-d4 (Surr)	111		71 - 136

Lab Sample ID: LCSD 580-161410/3-A

Matrix: Solid

Analysis Batch: 161459

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 161410

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dichlorodifluoromethane	30.0	23.6		ug/Kg		79	38 - 150	13	26
Chloromethane	30.0	26.1		ug/Kg		87	55 - 136	8	26
Vinyl chloride	30.0	22.9		ug/Kg		76	67 - 131	17	22
Bromomethane	30.0	28.5		ug/Kg		95	57 - 148	17	29
Chloroethane	30.0	28.8		ug/Kg		96	48 - 167	13	53
Trichlorofluoromethane	30.0	28.4		ug/Kg		95	47 - 165	14	54
1,1-Dichloroethene	30.0	27.7		ug/Kg		92	70 - 133	13	23
Methylene Chloride	30.0	33.9		ug/Kg		113	57 - 146	10	21
trans-1,2-Dichloroethene	30.0	29.0		ug/Kg		97	76 - 131	1	18
1,1-Dichloroethane	30.0	31.6		ug/Kg		105	70 - 128	2	21
2,2-Dichloropropane	30.0	28.2		ug/Kg		94	56 - 144	12	21
cis-1,2-Dichloroethene	30.0	29.1		ug/Kg		97	70 - 130	9	19
Chlorobromomethane	30.0	30.1		ug/Kg		100	78 - 123	6	19
Chloroform	30.0	31.1		ug/Kg		104	78 - 125	8	17
1,1,1-Trichloroethane	30.0	29.6		ug/Kg		99	63 - 135	5	20
Carbon tetrachloride	30.0	26.8		ug/Kg		89	59 - 145	9	19
1,1-Dichloropropene	30.0	32.5		ug/Kg		108	77 - 125	1	16
Benzene	30.0	32.3		ug/Kg		108	70 - 128	0	19
1,2-Dichloroethane	30.0	35.0		ug/Kg		117	71 - 128	1	18
Trichloroethene	30.0	31.9		ug/Kg		106	83 - 124	1	17
1,2-Dichloropropane	30.0	36.8		ug/Kg		123	76 - 161	3	15
Dibromomethane	30.0	34.4		ug/Kg		115	78 - 126	1	18
Dichlorobromomethane	30.0	35.7		ug/Kg		119	58 - 133	2	19
cis-1,3-Dichloropropene	30.0	38.4	*	ug/Kg		128	69 - 129	25	19
Toluene	30.0	35.4		ug/Kg		118	75 - 126	19	19
trans-1,3-Dichloropropene	30.0	35.9		ug/Kg		120	72 - 129	18	20
1,1,2-Trichloroethane	30.0	36.4		ug/Kg		121	77 - 124	18	18
Tetrachloroethene	30.0	28.0		ug/Kg		93	56 - 155	3	27
1,3-Dichloropropane	30.0	36.2		ug/Kg		121	77 - 123	19	19
Chlorodibromomethane	30.0	37.0		ug/Kg		123	42 - 129	15	23
Ethylene Dibromide	30.0	33.4		ug/Kg		111	69 - 126	6	21
Chlorobenzene	30.0	31.1		ug/Kg		104	75 - 120	1	21
Ethylbenzene	30.0	31.5		ug/Kg		105	78 - 126	0	23
1,1,1,2-Tetrachloroethane	30.0	32.8		ug/Kg		109	72 - 123	4	20
1,1,2,2-Tetrachloroethane	30.0	31.2		ug/Kg		104	73 - 125	8	22
m-Xylene & p-Xylene	30.0	33.8		ug/Kg		113	78 - 126	2	23
o-Xylene	30.0	34.1		ug/Kg		114	77 - 127	5	22
Styrene	30.0	31.6		ug/Kg		105	79 - 127	4	21
Bromoform	30.0	28.2		ug/Kg		94	50 - 124	3	25

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43877-3

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 580-161410/3-A

Matrix: Solid

Analysis Batch: 161459

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 161410

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Isopropylbenzene	30.0	33.0		ug/Kg		110	79 - 127	11	20
Bromobenzene	30.0	31.6		ug/Kg		105	80 - 120	1	19
N-Propylbenzene	30.0	32.6		ug/Kg		109	81 - 127	1	20
1,2,3-Trichloropropane	30.0	28.1		ug/Kg		94	77 - 123	1	23
2-Chlorotoluene	30.0	32.7		ug/Kg		109	79 - 122	0	18
1,3,5-Trimethylbenzene	30.0	32.7		ug/Kg		109	80 - 125	1	18
4-Chlorotoluene	30.0	33.2		ug/Kg		111	80 - 122	1	18
tert-Butylbenzene	30.0	34.7		ug/Kg		116	71 - 136	2	27
1,2,4-Trimethylbenzene	30.0	33.3		ug/Kg		111	79 - 124	0	18
sec-Butylbenzene	30.0	32.6		ug/Kg		109	78 - 128	0	17
1,3-Dichlorobenzene	30.0	31.3		ug/Kg		104	79 - 119	0	17
4-Isopropyltoluene	30.0	30.8		ug/Kg		103	78 - 126	1	18
1,4-Dichlorobenzene	30.0	31.1		ug/Kg		104	79 - 117	1	18
n-Butylbenzene	30.0	33.5		ug/Kg		112	78 - 128	1	17
1,2-Dichlorobenzene	30.0	32.1		ug/Kg		107	79 - 117	0	17
1,2-Dibromo-3-Chloropropane	30.0	24.3		ug/Kg		81	53 - 132	3	27
1,2,4-Trichlorobenzene	30.0	33.9		ug/Kg		113	61 - 130	5	22
1,2,3-Trichlorobenzene	30.0	32.0		ug/Kg		107	61 - 130	6	23
Hexachlorobutadiene	30.0	36.5		ug/Kg		122	68 - 134	2	21
Naphthalene	30.0	28.7		ug/Kg		96	14 - 170	7	50
Methyl tert-butyl ether	30.0	30.6		ug/Kg		102	65 - 125	1	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	109		80 - 120
4-Bromofluorobenzene (Surr)	104		70 - 120
Dibromofluoromethane (Surr)	96		75 - 132
Trifluorotoluene (Surr)	96		65 - 140
1,2-Dichloroethane-d4 (Surr)	107		71 - 136

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 580-161395/1-A

Matrix: Solid

Analysis Batch: 161736

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 161395

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		20		ug/Kg		06/17/14 10:53	06/20/14 13:23	1
Chrysene	ND		25		ug/Kg		06/17/14 10:53	06/20/14 13:23	1
Benzo[a]pyrene	ND		30		ug/Kg		06/17/14 10:53	06/20/14 13:23	1
Indeno[1,2,3-cd]pyrene	ND	^	40		ug/Kg		06/17/14 10:53	06/20/14 13:23	1
Dibenz(a,h)anthracene	ND		40		ug/Kg		06/17/14 10:53	06/20/14 13:23	1
Benzo[b]fluoranthene	ND		20		ug/Kg		06/17/14 10:53	06/20/14 13:23	1
Benzo[k]fluoranthene	ND		25		ug/Kg		06/17/14 10:53	06/20/14 13:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	83		42 - 151	06/17/14 10:53	06/20/14 13:23	1

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43877-3

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 580-161395/1-A

Matrix: Solid

Analysis Batch: 162312

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 161395

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		20		ug/Kg		06/17/14 10:53	06/26/14 15:44	1
Chrysene	ND		25		ug/Kg		06/17/14 10:53	06/26/14 15:44	1
Benzo[a]pyrene	ND		30		ug/Kg		06/17/14 10:53	06/26/14 15:44	1
Indeno[1,2,3-cd]pyrene	ND		40		ug/Kg		06/17/14 10:53	06/26/14 15:44	1
Dibenz(a,h)anthracene	ND		40		ug/Kg		06/17/14 10:53	06/26/14 15:44	1
Benzo[b]fluoranthene	ND		20		ug/Kg		06/17/14 10:53	06/26/14 15:44	1
Benzo[k]fluoranthene	ND		25		ug/Kg		06/17/14 10:53	06/26/14 15:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	95		42 - 151	06/17/14 10:53	06/26/14 15:44	1

Lab Sample ID: LCS 580-161395/2-A

Matrix: Solid

Analysis Batch: 161736

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 161395

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]anthracene	1000	1060		ug/Kg		106	64 - 124
Chrysene	1000	888		ug/Kg		89	71 - 126
Benzo[a]pyrene	1000	954		ug/Kg		95	68 - 128
Indeno[1,2,3-cd]pyrene	1000	1170	^	ug/Kg		117	59 - 139
Dibenz(a,h)anthracene	1000	1050		ug/Kg		105	57 - 142
Benzo[b]fluoranthene	1000	1150		ug/Kg		115	66 - 136
Benzo[k]fluoranthene	1000	823		ug/Kg		82	63 - 143

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Terphenyl-d14	92		42 - 151

Lab Sample ID: LCSD 580-161395/3-A

Matrix: Solid

Analysis Batch: 161736

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 161395

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzo[a]anthracene	1000	1050		ug/Kg		105	64 - 124	1	27
Chrysene	1000	900		ug/Kg		90	71 - 126	1	26
Benzo[a]pyrene	1000	969		ug/Kg		97	68 - 128	2	30
Indeno[1,2,3-cd]pyrene	1000	1290	^	ug/Kg		129	59 - 139	9	29
Dibenz(a,h)anthracene	1000	983		ug/Kg		98	57 - 142	6	30
Benzo[b]fluoranthene	1000	1140		ug/Kg		114	66 - 136	1	31
Benzo[k]fluoranthene	1000	872		ug/Kg		87	63 - 143	6	31

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Terphenyl-d14	88		42 - 151

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43877-3

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC)

Lab Sample ID: MB 580-161579/1-A

Matrix: Solid

Analysis Batch: 161664

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 161579

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		4.0		mg/Kg		06/18/14 16:16	06/19/14 15:10	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		50 - 150				06/18/14 16:16	06/19/14 15:10	1

Lab Sample ID: LCS 580-161579/2-A

Matrix: Solid

Analysis Batch: 161664

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 161579

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline	32.0	34.6		mg/Kg		108	68 - 120		
Surrogate	%Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	103		50 - 150						

Lab Sample ID: LCSD 580-161579/3-A

Matrix: Solid

Analysis Batch: 161664

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 161579

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline	32.0	36.0		mg/Kg		113	68 - 120	4	25
Surrogate	%Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	103		50 - 150						

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 580-161470/1-A

Matrix: Solid

Analysis Batch: 161794

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 161470

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		25		mg/Kg		06/17/14 17:32	06/20/14 18:01	1
Motor Oil (>C24-C36)	ND		50		mg/Kg		06/17/14 17:32	06/20/14 18:01	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	76		50 - 150				06/17/14 17:32	06/20/14 18:01	1

Lab Sample ID: LCS 580-161470/2-A

Matrix: Solid

Analysis Batch: 161794

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 161470

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
#2 Diesel (C10-C24)	500	459		mg/Kg		92	70 - 125		
Motor Oil (>C24-C36)	502	505		mg/Kg		101	64 - 127		

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43877-3

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued)

Lab Sample ID: LCS 580-161470/2-A

Matrix: Solid

Analysis Batch: 161794

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 161470

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	93		50 - 150

Lab Sample ID: LCSD 580-161470/3-A

Matrix: Solid

Analysis Batch: 161794

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 161470

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)	500	459		mg/Kg		92	70 - 125	0	16
Motor Oil (>C24-C36)	502	500		mg/Kg		100	64 - 127	1	17
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
o-Terphenyl	89		50 - 150						

Lab Sample ID: 580-43877-22 DU

Matrix: Solid

Analysis Batch: 161882

Client Sample ID: TP-7-SW-060514

Prep Type: Total/NA

Prep Batch: 161470

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
#2 Diesel (C10-C24)	27		ND		mg/Kg	☼	14	35
Motor Oil (>C24-C36)	450		173	F3	mg/Kg	☼	90	35
Surrogate	DU %Recovery	DU Qualifier	Limits					
o-Terphenyl	89		50 - 150					

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC)

Lab Sample ID: MB 580-160743/1-A

Matrix: Solid

Analysis Batch: 160922

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 160743

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	ND		100		mg/Kg		06/10/14 11:11	06/12/14 11:56	1
Gasoline	ND		20		mg/Kg		06/10/14 11:11	06/12/14 11:56	1
#2 Diesel (>C12-C24)	ND		50		mg/Kg		06/10/14 11:11	06/12/14 11:56	1
Surrogate	MB %Recovery	MB Qualifier	Limits						
o-Terphenyl	88		50 - 150						
4-Bromofluorobenzene (Surr)	63		50 - 150						

Lab Sample ID: 580-43877-1 DU

Matrix: Solid

Analysis Batch: 160922

Client Sample ID: E3-3.0-060514

Prep Type: Total/NA

Prep Batch: 160743

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Motor Oil	ND		ND		mg/Kg	☼	NC	35
Gasoline	ND		ND		mg/Kg	☼	NC	35
#2 Diesel (>C12-C24)	ND		ND		mg/Kg	☼	NC	35

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43877-3

Method: NWTPH-HCID - Northwest - Hydrocarbon Identification (GC) (Continued)

Lab Sample ID: 580-43877-1 DU

Matrix: Solid

Analysis Batch: 160922

Client Sample ID: E3-3.0-060514

Prep Type: Total/NA

Prep Batch: 160743

Surrogate	%Recovery	DU DU Qualifier	Limits
<i>o</i> -Terphenyl	87		50 - 150
4-Bromofluorobenzene (Surr)	63		50 - 150

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 580-161562/22-A

Matrix: Solid

Analysis Batch: 161719

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 161562

Analyte	MB MB Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND	3.0		mg/Kg		06/18/14 13:38	06/19/14 15:24	1
Cadmium	ND	1.0		mg/Kg		06/18/14 13:38	06/19/14 15:24	1
Chromium	ND	1.3		mg/Kg		06/18/14 13:38	06/19/14 15:24	1
Lead	ND	1.5		mg/Kg		06/18/14 13:38	06/19/14 15:24	1

Lab Sample ID: LCS 580-161562/23-A

Matrix: Solid

Analysis Batch: 161719

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 161562

Analyte	Spike Added	LCS LCS Result Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	200	198	mg/Kg		99	80 - 120
Cadmium	5.00	5.73	mg/Kg		115	80 - 120
Chromium	20.0	17.3	mg/Kg		86	80 - 120
Lead	50.0	47.5	mg/Kg		95	80 - 120

Lab Sample ID: LCSD 580-161562/24-A

Matrix: Solid

Analysis Batch: 161719

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 161562

Analyte	Spike Added	LCSD LCSD Result Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Arsenic	200	200	mg/Kg		100	80 - 120	1	20
Cadmium	5.00	5.70	mg/Kg		114	80 - 120	1	20
Chromium	20.0	17.4	mg/Kg		87	80 - 120	1	20
Lead	50.0	47.7	mg/Kg		95	80 - 120	0	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 580-161402/21-A

Matrix: Solid

Analysis Batch: 161464

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 161402

Analyte	MB MB Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	0.017		mg/Kg		06/17/14 11:51	06/17/14 14:15	1

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43877-3

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 580-161402/22-A

Matrix: Solid

Analysis Batch: 161464

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 161402

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.167	0.142		mg/Kg		85	80 - 120

Lab Sample ID: LCSD 580-161402/23-A

Matrix: Solid

Analysis Batch: 161464

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 161402

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.167	0.143		mg/Kg		86	80 - 120	0	20

Lab Sample ID: MB 580-161629/21-A

Matrix: Solid

Analysis Batch: 161699

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 161629

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.017		mg/Kg		06/19/14 10:04	06/19/14 12:04	1

Lab Sample ID: LCS 580-161629/22-A

Matrix: Solid

Analysis Batch: 161699

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 161629

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.167	0.170		mg/Kg		102	80 - 120

Lab Sample ID: LCSD 580-161629/23-A

Matrix: Solid

Analysis Batch: 161699

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 161629

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.167	0.155		mg/Kg		93	80 - 120	9	20

Lab Sample ID: LCSSRM 580-161629/24-A ^10

Matrix: Solid

Analysis Batch: 161699

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 161629

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	12.4	12.7		mg/Kg		102.4	51.3 - 148.4

Method: D 2216 - Percent Moisture

Lab Sample ID: 580-43877-11 DU

Matrix: Solid

Analysis Batch: 160823

Client Sample ID: A5-1.9-060514

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Solids	81		82		%		2	20
Percent Moisture	19		18		%		7	20

TestAmerica Seattle

QC Sample Results

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43877-3

Method: D 2216 - Percent Moisture (Continued)

Lab Sample ID: 580-43877-13 DU

Matrix: Solid

Analysis Batch: 160823

Client Sample ID: D8-3.0-060514

Prep Type: Total/NA

Analyte	Sample	Sample	DU		Unit	D		RPD	RPD	Limit
	Result	Qualifier	Result	Qualifier						
Percent Solids	93		93		%			0.09		20
Percent Moisture	7.2		7.2		%			1		20

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43877-3

Client Sample ID: E3-3.0-060514

Date Collected: 06/05/14 08:41

Date Received: 06/06/14 16:20

Lab Sample ID: 580-43877-1

Matrix: Solid

Percent Solids: 95.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			160743	06/10/14 11:11	CTC	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	160922	06/12/14 12:15	JJP	TAL SEA
Total/NA	Prep	3050B			161562	06/18/14 13:38	KJV	TAL SEA
Total/NA	Analysis	6010B		1	161719	06/19/14 16:10	HJM	TAL SEA
Total/NA	Prep	7471A			161629	06/19/14 10:04	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161699	06/19/14 12:47	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

Client Sample ID: E1-1.9-060514

Date Collected: 06/05/14 08:58

Date Received: 06/06/14 16:20

Lab Sample ID: 580-43877-2

Matrix: Solid

Percent Solids: 76.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			160743	06/10/14 11:11	CTC	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	160922	06/12/14 12:53	JJP	TAL SEA
Total/NA	Prep	3050B			161562	06/18/14 13:38	KJV	TAL SEA
Total/NA	Analysis	6010B		1	161719	06/19/14 16:13	HJM	TAL SEA
Total/NA	Prep	7471A			161629	06/19/14 10:04	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161699	06/19/14 12:49	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

Client Sample ID: D2-3.0-060514

Date Collected: 06/05/14 09:16

Date Received: 06/06/14 16:20

Lab Sample ID: 580-43877-4

Matrix: Solid

Percent Solids: 93.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			161470	06/17/14 17:32	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	161882	06/23/14 19:40	JJP	TAL SEA
Total/NA	Prep	3546			160743	06/10/14 11:13	CTC	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	160922	06/12/14 13:12	JJP	TAL SEA
Total/NA	Prep	3050B			161562	06/18/14 13:38	KJV	TAL SEA
Total/NA	Analysis	6010B		1	161719	06/19/14 16:16	HJM	TAL SEA
Total/NA	Prep	7471A			161629	06/19/14 10:04	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161699	06/19/14 12:52	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

Client Sample ID: C1-3.0-060514

Date Collected: 06/05/14 09:50

Date Received: 06/06/14 16:20

Lab Sample ID: 580-43877-6

Matrix: Solid

Percent Solids: 95.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			160743	06/10/14 11:13	CTC	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	160922	06/12/14 13:31	JJP	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43877-3

Client Sample ID: C1-3.0-060514

Lab Sample ID: 580-43877-6

Date Collected: 06/05/14 09:50

Matrix: Solid

Date Received: 06/06/14 16:20

Percent Solids: 95.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			161562	06/18/14 13:38	KJV	TAL SEA
Total/NA	Analysis	6010B		1	161719	06/19/14 16:19	HJM	TAL SEA
Total/NA	Prep	7471A			161629	06/19/14 10:04	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161699	06/19/14 12:54	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

Client Sample ID: D3-1.5-060514

Lab Sample ID: 580-43877-7

Date Collected: 06/05/14 10:10

Matrix: Solid

Date Received: 06/06/14 16:20

Percent Solids: 83.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			160743	06/10/14 11:13	CTC	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	160922	06/12/14 13:50	JJP	TAL SEA
Total/NA	Prep	3050B			161562	06/18/14 13:38	KJV	TAL SEA
Total/NA	Analysis	6010B		1	161719	06/19/14 16:28	HJM	TAL SEA
Total/NA	Prep	7471A			161629	06/19/14 10:04	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161699	06/19/14 13:04	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

Client Sample ID: B3-6.0-060514

Lab Sample ID: 580-43877-9

Date Collected: 06/05/14 10:38

Matrix: Solid

Date Received: 06/06/14 16:20

Percent Solids: 85.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			161470	06/17/14 17:32	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	161882	06/23/14 19:56	JJP	TAL SEA
Total/NA	Prep	3546			160743	06/10/14 11:13	CTC	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	160922	06/12/14 14:10	JJP	TAL SEA
Total/NA	Prep	3050B			161562	06/18/14 13:38	KJV	TAL SEA
Total/NA	Analysis	6010B		1	161719	06/19/14 16:31	HJM	TAL SEA
Total/NA	Prep	7471A			161629	06/19/14 10:04	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161699	06/19/14 13:08	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

Client Sample ID: C4-5.0-060514

Lab Sample ID: 580-43877-10

Date Collected: 06/05/14 10:58

Matrix: Solid

Date Received: 06/06/14 16:20

Percent Solids: 93.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			160743	06/10/14 11:13	CTC	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	160922	06/12/14 14:29	JJP	TAL SEA
Total/NA	Prep	3050B			161562	06/18/14 13:38	KJV	TAL SEA
Total/NA	Analysis	6010B		1	161719	06/19/14 16:34	HJM	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43877-3

Client Sample ID: C4-5.0-060514

Lab Sample ID: 580-43877-10

Date Collected: 06/05/14 10:58

Matrix: Solid

Date Received: 06/06/14 16:20

Percent Solids: 93.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			161629	06/19/14 10:04	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161699	06/19/14 13:10	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

Client Sample ID: A5-1.9-060514

Lab Sample ID: 580-43877-11

Date Collected: 06/05/14 11:11

Matrix: Solid

Date Received: 06/06/14 16:20

Percent Solids: 80.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			160743	06/10/14 11:13	CTC	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	160922	06/12/14 14:48	JJP	TAL SEA
Total/NA	Prep	3050B			161562	06/18/14 13:38	KJV	TAL SEA
Total/NA	Analysis	6010B		1	161719	06/19/14 16:37	HJM	TAL SEA
Total/NA	Prep	7471A			161402	06/17/14 11:51	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161464	06/17/14 14:37	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:21	CLH	TAL SEA

Client Sample ID: D8-3.0-060514

Lab Sample ID: 580-43877-13

Date Collected: 06/05/14 11:40

Matrix: Solid

Date Received: 06/06/14 16:20

Percent Solids: 92.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			161361	06/17/14 08:29	MMH	TAL SEA
Total/NA	Analysis	8260B		1	161489	06/17/14 18:42	AS	TAL SEA
Total/NA	Prep	5035			161579	06/18/14 16:16	CRH	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	161664	06/19/14 16:52	CJ	TAL SEA
Total/NA	Prep	3546			161470	06/17/14 17:32	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	161882	06/23/14 20:12	JJP	TAL SEA
Total/NA	Prep	3546			160743	06/10/14 11:13	CTC	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	160922	06/12/14 15:07	JJP	TAL SEA
Total/NA	Prep	3050B			161562	06/18/14 13:38	KJV	TAL SEA
Total/NA	Analysis	6010B		1	161719	06/19/14 16:40	HJM	TAL SEA
Total/NA	Prep	7471A			161402	06/17/14 11:51	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161464	06/17/14 14:44	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

Client Sample ID: G5.6-2.5-060514

Lab Sample ID: 580-43877-14

Date Collected: 06/05/14 12:22

Matrix: Solid

Date Received: 06/06/14 16:20

Percent Solids: 80.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			161470	06/17/14 17:32	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	161882	06/23/14 20:27	JJP	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43877-3

Client Sample ID: G5.6-2.5-060514

Lab Sample ID: 580-43877-14

Date Collected: 06/05/14 12:22

Matrix: Solid

Date Received: 06/06/14 16:20

Percent Solids: 80.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			160743	06/10/14 11:13	CTC	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	160922	06/12/14 15:26	JJP	TAL SEA
Total/NA	Prep	3050B			161562	06/18/14 13:38	KJV	TAL SEA
Total/NA	Analysis	6010B		1	161719	06/19/14 16:43	HJM	TAL SEA
Total/NA	Prep	7471A			161402	06/17/14 11:51	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161464	06/17/14 14:47	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

Client Sample ID: G6-8.5-060514

Lab Sample ID: 580-43877-16

Date Collected: 06/05/14 12:53

Matrix: Solid

Date Received: 06/06/14 16:20

Percent Solids: 86.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			161361	06/17/14 08:29	MMH	TAL SEA
Total/NA	Analysis	8260B		1	161489	06/17/14 19:09	AS	TAL SEA
Total/NA	Prep	5035			161579	06/18/14 16:16	CRH	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	161664	06/19/14 17:26	CJ	TAL SEA
Total/NA	Prep	3546	DL		161470	06/17/14 17:32	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx	DL	10	161882	06/23/14 20:59	JJP	TAL SEA
Total/NA	Prep	3546			160743	06/10/14 11:14	CTC	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	160922	06/12/14 15:45	JJP	TAL SEA
Total/NA	Prep	3050B			161562	06/18/14 13:38	KJV	TAL SEA
Total/NA	Analysis	6010B		1	161719	06/19/14 16:45	HJM	TAL SEA
Total/NA	Prep	7471A			161402	06/17/14 11:51	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161464	06/17/14 14:49	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

Client Sample ID: I2-3.5-060514

Lab Sample ID: 580-43877-17

Date Collected: 06/05/14 13:05

Matrix: Solid

Date Received: 06/06/14 16:20

Percent Solids: 96.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			161470	06/17/14 17:32	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	161882	06/23/14 21:15	JJP	TAL SEA
Total/NA	Prep	3546			160743	06/10/14 11:14	CTC	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	160922	06/12/14 16:04	JJP	TAL SEA
Total/NA	Prep	3050B			161562	06/18/14 13:38	KJV	TAL SEA
Total/NA	Analysis	6010B		1	161719	06/19/14 16:48	HJM	TAL SEA
Total/NA	Prep	7471A			161402	06/17/14 11:51	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161464	06/17/14 14:52	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA
Total/NA	Analysis	D 2216		1	161651	06/19/14 11:17	NMD	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43877-3

Client Sample ID: TP-8-7.0-060514

Lab Sample ID: 580-43877-18

Date Collected: 06/05/14 13:44

Matrix: Solid

Date Received: 06/06/14 16:20

Percent Solids: 91.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			161361	06/17/14 08:29	MMH	TAL SEA
Total/NA	Analysis	8260B		1	161489	06/17/14 19:36	AS	TAL SEA
Total/NA	Prep	3550B			161360	06/17/14 08:24	CLH	TAL SEA
Total/NA	Analysis	8270C		1	162479	06/28/14 23:54	ERB	TAL SEA
Total/NA	Prep	5035			161579	06/18/14 16:16	CRH	TAL SEA
Total/NA	Analysis	NWTPH-Gx		1	161664	06/19/14 18:00	CJ	TAL SEA
Total/NA	Prep	3546			161470	06/17/14 17:32	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	161882	06/23/14 21:30	JJP	TAL SEA
Total/NA	Analysis	D 2216		1	161651	06/19/14 11:17	NMD	TAL SEA

Client Sample ID: TP-9-8.0-060514

Lab Sample ID: 580-43877-19

Date Collected: 06/05/14 13:54

Matrix: Solid

Date Received: 06/06/14 16:20

Percent Solids: 85.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			161360	06/17/14 08:24	CLH	TAL SEA
Total/NA	Analysis	8270C		1	162479	06/29/14 00:19	ERB	TAL SEA
Total/NA	Prep	3546			161470	06/17/14 17:32	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	161882	06/23/14 21:46	JJP	TAL SEA
Total/NA	Analysis	D 2216		1	161651	06/19/14 11:17	NMD	TAL SEA

Client Sample ID: TP-7-N-5.0-060514

Lab Sample ID: 580-43877-20

Date Collected: 06/05/14 14:28

Matrix: Solid

Date Received: 06/06/14 16:20

Percent Solids: 87.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			161395	06/17/14 10:53	CLH	TAL SEA
Total/NA	Analysis	8270C		1	161736	06/20/14 15:45	ERB	TAL SEA
Total/NA	Prep	3546			161470	06/17/14 17:37	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	161882	06/23/14 22:02	JJP	TAL SEA
Total/NA	Analysis	D 2216		1	161651	06/19/14 11:17	NMD	TAL SEA

Client Sample ID: TP-7-CEN-5.0-060514

Lab Sample ID: 580-43877-21

Date Collected: 06/05/14 14:34

Matrix: Solid

Date Received: 06/06/14 16:20

Percent Solids: 84.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			161410	06/06/14 16:30	JMB	TAL SEA
Total/NA	Analysis	8260B		1	161459	06/17/14 21:41	CJ	TAL SEA
Total/NA	Prep	3550B			161395	06/17/14 10:53	CLH	TAL SEA
Total/NA	Analysis	8270C		1	161736	06/20/14 16:06	ERB	TAL SEA
Total/NA	Prep	3546			161470	06/17/14 17:37	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	161882	06/23/14 22:17	JJP	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43877-3

Client Sample ID: TP-7-CEN-5.0-060514

Lab Sample ID: 580-43877-21

Date Collected: 06/05/14 14:34

Matrix: Solid

Date Received: 06/06/14 16:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1	161651	06/19/14 11:17	NMD	TAL SEA

Client Sample ID: TP-7-SW-060514

Lab Sample ID: 580-43877-22

Date Collected: 06/05/14 14:41

Matrix: Solid

Date Received: 06/06/14 16:20

Percent Solids: 91.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			161395	06/17/14 10:53	CLH	TAL SEA
Total/NA	Analysis	8270C		1	162312	06/26/14 16:10	ERB	TAL SEA
Total/NA	Prep	3546			161470	06/17/14 17:37	CTC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	161882	06/23/14 22:33	JJP	TAL SEA
Total/NA	Analysis	D 2216		1	161651	06/19/14 11:17	NMD	TAL SEA

Client Sample ID: H1-2.0-060514

Lab Sample ID: 580-43877-23

Date Collected: 06/05/14 13:25

Matrix: Solid

Date Received: 06/06/14 16:20

Percent Solids: 75.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			160743	06/10/14 11:14	CTC	TAL SEA
Total/NA	Analysis	NWTPH-HCID		1	160922	06/12/14 16:23	JJP	TAL SEA
Total/NA	Prep	3050B			161562	06/18/14 13:38	KJV	TAL SEA
Total/NA	Analysis	6010B		1	161719	06/19/14 16:51	HJM	TAL SEA
Total/NA	Prep	7471A			161402	06/17/14 11:51	PAB	TAL SEA
Total/NA	Analysis	7471A		1	161464	06/17/14 14:54	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	160823	06/11/14 09:02	CLH	TAL SEA

Laboratory References:

TAL SEA = TestAmerica Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Certification Summary

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43877-3

Laboratory: TestAmerica Seattle

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska (UST)	State Program	10	UST-112	05-27-15
California	NELAP	9	01115CA	01-31-14 *
California	State Program	9	2901	01-31-15
L-A-B	DoD ELAP		L2236	01-19-16
L-A-B	ISO/IEC 17025		L2236	01-19-16
Montana (UST)	State Program	8	N/A	04-30-20
Oregon	NELAP	10	WA100007	11-06-14
USDA	Federal		P330-11-00222	04-08-17
Washington	State Program	10	C553	02-17-15

* Certification renewal pending - certification considered valid.

TestAmerica Seattle

Sample Summary

Client: Farallon Consulting LLC
Project/Site: Glacier Recycling/Auburn, WA

TestAmerica Job ID: 580-43877-3

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-43877-1	E3-3.0-060514	Solid	06/05/14 08:41	06/06/14 16:20
580-43877-2	E1-1.9-060514	Solid	06/05/14 08:58	06/06/14 16:20
580-43877-4	D2-3.0-060514	Solid	06/05/14 09:16	06/06/14 16:20
580-43877-6	C1-3.0-060514	Solid	06/05/14 09:50	06/06/14 16:20
580-43877-7	D3-1.5-060514	Solid	06/05/14 10:10	06/06/14 16:20
580-43877-9	B3-6.0-060514	Solid	06/05/14 10:38	06/06/14 16:20
580-43877-10	C4-5.0-060514	Solid	06/05/14 10:58	06/06/14 16:20
580-43877-11	A5-1.9-060514	Solid	06/05/14 11:11	06/06/14 16:20
580-43877-13	D8-3.0-060514	Solid	06/05/14 11:40	06/06/14 16:20
580-43877-14	G5-6-2.5-060514	Solid	06/05/14 12:22	06/06/14 16:20
580-43877-16	G6-8.5-060514	Solid	06/05/14 12:53	06/06/14 16:20
580-43877-17	I2-3.5-060514	Solid	06/05/14 13:05	06/06/14 16:20
580-43877-18	TP-8-7.0-060514	Solid	06/05/14 13:44	06/06/14 16:20
580-43877-19	TP-9-8.0-060514	Solid	06/05/14 13:54	06/06/14 16:20
580-43877-20	TP-7-N-5.0-060514	Solid	06/05/14 14:28	06/06/14 16:20
580-43877-21	TP-7-CEN-5.0-060514	Solid	06/05/14 14:34	06/06/14 16:20
580-43877-22	TP-7-SW-060514	Solid	06/05/14 14:41	06/06/14 16:20
580-43877-23	H1-2.0-060514	Solid	06/05/14 13:25	06/06/14 16:20

Client

Farallon Consulting

Client Contact
Emerald Erickson-Mulanax

Date
6/05/2014

Chain of Custody Number
22511

Address

975 5th Ave NW

Telephone Number (Area Code)/Fax Number
(425) 295-0800

Lab Number
43877

Page 1 of 2

City

Issaquah

State

WA

Zip Code

98005

Sampler

Jerome Chen

Lab Contact

Kris Allen

Analysis (Attach list if more space is needed)

Metals
NUTRA-HCLD
NUTRA-Dx
PATHS by EPA 8260
VOCs by EPA 8260

Project Name and Location (State)

Glacier Recycling / Auburn, WA

Billing Contact

Nick Horbert

Contract/Purchase Order/Quote No.

2133073441

Matrix

Containers & Preservatives

Special Instructions/
Conditions of Receipt

Sample I.D. and Location/Description
(Containers for each sample may be combined on one line)

Date

Time

Air

Aqueous

Sed.

Soil

Unpres.

H2SO4

HNO3

HCl

NaOH

ZnAc/
NaOH

MeOH

1

2

3

4

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E3-3.0-060514

6/05/2014

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0858

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0916

0943

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E1-1.9-060514

6/05/2014

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D2-3.0-060514

6/05/2014

0858

0904

0916

0943

Client

Farallon Consulting

Address
975 5th Ave NW

Client Contact
Emerald Erickson-Mulanax
Telephone Number (Area Code)/Fax Number
(425) 295-0800

Date
6/05/2014

Chain of Custody Number
22512

7/7/2014

City

Issaquah

State
WA

Zip Code
98005

Lab Number
43877

Page 2 of 2

Project Name and Location (State)

Glacier Recycling | Auburn, WA

Sampler
Jepome Chen

Billing Contact
Nick Herbert

Lab Contact
Kris Allen

Contract/Purchase Order/Quote No.

2133073441

Sample I.D. and Location/Description
(Containers for each sample may be combined on one line)

Date
6/05/2014

Time
1140

Air

Aqueous

Sed.

Soil

Unpres.

H2SO4

HNO3

HCl

NaOH

ZnAc/
NaOH

MeOH

Containers &
Preservatives

Matrix

Special Instructions/
Conditions of Receipt

Hold all these samples
not analyzed for
analyses.

13-D8-3.0-060514
14-G5,6-2.5-060514
15-G5,6-4.0-060514
16-G6-8.5-060514
17-I2-3.5-060514
18-TP-8-7.0-060514
19-TP-9-8.0-060514
20-TP-7-N-5.0-060514
21-TP-7-CEN-5.0-060514
22-TP-7-SW-060514
23-HI-2.0-060514

Date
6/05/2014
Time
1140
Air
Aqueous
Sed.
Soil
Unpres.
H2SO4
HNO3
HCl
NaOH
ZnAc/
NaOH
MeOH

Containers &
Preservatives

Matrix

Special Instructions/
Conditions of Receipt

Hold all these samples
not analyzed for
analyses.

24-Kip Blank

Cooler
☒ Yes ☐ No Cooler Temp: _____

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

Sample Disposal
☐ Return to Client ☐ Disposal By Lab ☐ Archive For _____ Months

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

Turn Around Time Required (business days)
☐ 24 Hours ☐ 48 Hours ☐ 5 Days

☒ 10 Days ☐ 15 Days

Other

3 days for recovery

QC Requirements (Specify)

1. Received By Sign/Print
Francisco Luna, Jr

2. Received By Sign/Print

Date
6/6/14

Time
1330

1. Relinquished By Sign/Print

2. Relinquished By Sign/Print

1. Received By Sign/Print

2. Received By Sign/Print

Date

Time

3. Relinquished By Sign/Print

Date

3.1

Cooler/IR cor 3.2 unc 3.7

Cooler/IR cor 1.2 unc 1.7

Cooler Dsc 1.6 Blue/white@ Lab 1620

Wet/Packs Packing Other

Comments

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

Cooler/IR cor 3.2 unc 3.7

Cooler/IR cor 1.2 unc 1.7

Cooler Dsc 1.6 Blue/white@ Lab 1620

Wet/Packs Packing Other

Wet/Packs Packing Other

Login Sample Receipt Checklist

Client: Farallon Consulting LLC

Job Number: 580-43877-3

Login Number: 43877

List Source: TestAmerica Seattle

List Number: 1

Creator: Balles, Racheal M

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Received Trip Blank(s) not listed on COC.
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

APPENDIX E
SITE PHOTOGRAPHS

ADDITIONAL SUBSURFACE INVESTIGATION REPORT

Glacier Recycling Property
32300 148th Avenue Southeast
Auburn, Washington

Farallon PN: 870-002



SITE PHOTOGRAPHS

**Additional Subsurface Investigation Report
Glacier Recycling Property
Auburn, Washington
Farallon PN: 870-002**

- Photograph 1:** Baseline investigation test pit C1 in the bone yard.
- Photograph 2:** Baseline investigation test pit C4.
- Photograph 3:** Baseline investigation test pit E7.
- Photograph 4:** Baseline investigation test pit H3.
- Photograph 5:** Baseline investigation test pit I7.
- Photograph 6:** Baseline investigation test pit J4.
- Photograph 7:** Baseline investigation test pit J7.
- Photograph 8:** Southern trench, looking southeast.
- Photograph 9:** North section of northern trench showing TP-1 and TP-2 sampling locations, looking east.
- Photograph 10:** Middle section of northern trench showing ecology blocks at TP-3 and TP-4 sampling locations, looking south.



SITE PHOTOGRAPHS (continued)
Additional Subsurface Investigation Report
Glacier Recycling Property
Auburn, Washington



Photograph 1: Baseline investigation test pit C1 in the bone yard.



Photograph 2: Baseline investigation test pit C4.



SITE PHOTOGRAPHS (continued)
Additional Subsurface Investigation Report
Glacier Recycling Property
Auburn, Washington



Photograph 3: Baseline investigation test pit E7.



Photograph 4: Baseline investigation test pit H3.



SITE PHOTOGRAPHS (continued)
Additional Subsurface Investigation Report
Glacier Recycling Property
Auburn, Washington



Photograph 5: Baseline investigation test pit I7.



Photograph 6: Baseline investigation test pit J4.



SITE PHOTOGRAPHS (continued)
Additional Subsurface Investigation Report
Glacier Recycling Property
Auburn, Washington



Photograph 7: Baseline investigation test pit J7.



Photograph 8: Southern trench, looking southeast.



SITE PHOTOGRAPHS (continued)
Additional Subsurface Investigation Report
Glacier Recycling Property
Auburn, Washington



Photograph 9: North section of northern trench showing TP-1 and TP-2 sampling locations, looking east.



Photograph 10: Middle section of northern trench showing ecology blocks at TP-3 and TP-4 sampling locations, looking south.

APPENDIX F
TPH CHROMATOGRAM EVALUATION REPORT

ADDITIONAL SUBSURFACE INVESTIGATION REPORT

Glacier Recycling Property
32300 148th Avenue Southeast
Auburn, Washington

Farallon PN: 870-002

Date: July 24, 2014

To: Emerald J. Erickson

Cc: Kristine Allen, Amy Essig Desai

From: Eric Redman

Subject: Forensic Review of TPH Chromatographs for Glacier Recycling Project

TestAmerica received inquiry on July 14, 2014 from Emerald Erickson of Farallon Consulting LLC (Farallon) regarding the potential for TestAmerica to determine the age of Diesel Fuel that might be present in samples analyzed for the Glacier Recycling project. Samples were received and analyzed by TestAmerica Seattle in June, 2014 and reported in early July, 2014. Reported results included the determination of Diesel Range Organics (DRO) and Extended/Motor Oil Range Organics (ORO) by Method NWTPH-Dx. Positive concentrations of both DRO and ORO were reported in a subset of samples.

Determination of the age of Diesel Fuel by examination of chromatographic data is outside the scope of services that TestAmerica can provide, so Farallon requested that TestAmerica examine the NWTPH-Dx chromatographic data and determine the 'extent of weathering' evident in selected samples. TestAmerica received authorization from Farallon to proceed with this evaluation for 31 selected samples from the Glacier Recycling project on July 17, 2014.

TestAmerica evaluated the chromatographic data from the GC/FID analytical instrument used for the NWTPH-Dx method for all samples, along GCMS spectral data from the 8270 analysis performed on subset of these samples.

Our evaluation included the classification of the primary TPH pattern evident in each of the GC/FID chromatographs. Three primary patterns were observed within the 31 samples evaluated, consisting of:

- 1) Oil Range Organics (ORO), with carbon range C20 – C36. Oil Range Organics from C24 – C36 were quantitated and reported as Motor Oil. See Figure A.
- 2) Oil Range Organics plus Residual Range Organics (RRO) with carbon range C24 – C50). Oil Range Organics (C24 – C36) in this pattern were quantitated and reported as Motor Oil. Residual Range Organics (C36 – C50) were NOT previously quantitated or reported as TPH. See Figure B.
- 3) Refined Petroleum Products with various composition, usually centered in the C26 – C30 range but with limited overlapping response in the Diesel Range (C10 –C24). See Figure C.

Secondary patterns included the apparent mixing of refined petroleum products with Oil Range Plus Residual Range Organics as reflected in Figure D. Where possible, pattern identification described above was verified by review of GC/MS mass spectral data from analysis of the same sample by Method 8270.

General Observations regarding Primary TPH Patterns:

- 1) Oil Range Organics Plus Residual Range Organics, with and without overlaying refined petroleum products, are the prevalent TPH pattern present in the 31 samples evaluated and account for about 70% of the observed patterns.
- 2) Oil Range Organics only, and Petroleum Product only patterns account for 20% and 10%, respectively, of the observed patterns
- 3) Although portions of some of the observed TPH patterns overlap with the retention time range defined by the laboratory SOP for Diesel Range Organics (C10 – C24), **there was no evidence of Diesel Fuel in any sample.** Response from the Oil Range Organics and Refined Petroleum patterns that eluted within the Diesel Range was quantitated and reported as Diesel #2, as specified in the lab SOP.

After identification and confirmation of primary TPH patterns, TestAmerica evaluated the relative extent of weathering of the primary pattern present in each sample. Relative extent of weathering was assessed by reviewing the resolution and relative amplitude of discrete hydrocarbon peaks within each pattern. Since all samples had the majority of TPH response in the Oil and Residual Range, weathering in this range was evaluated and each sample classified in one of 3 categories as follows.

- 1) Figure G represents a portion of the Oil Range chromatograph in which discrete hydrocarbon peaks are unresolved. This is interpreted to indicate that TPH within the sample has been subjected to moderate to heavy weathering.
- 2) Figure F represents a portion of the Oil Range chromatograph in which discrete hydrocarbon peaks are partially resolved with discernible amplitude. This is interpreted to indicate that TPH within the sample has been subjected to slight to moderate weathering.
- 3) Figure E represents a portion of the Oil Range chromatograph in which discrete hydrocarbon peaks are well resolved with significant amplitude. This is interpreted to indicate that TPH within the sample has been subjected to little or no weathering.

The results from both pattern identification and relative extent of weathering evaluations are captured in the attached spreadsheet titled 'Glacier Dx'. It should be noted that extent of weathering is relative to the minimum (little/none) and maximum (moderate/heavy) observed with the population of samples studied, and is not intended to necessarily represent an absolute scale.

Note also that the presence of multiple TPH patterns with varying degrees of relative weathering suggests the potential for releases from different source materials at different times. The presence of multiple TPH patterns also increases the uncertainty associated with pattern identification and extent of weathering.

Do not hesitate to let me know if you have any questions about the content of this report.

Best Regards,

Eric W. Redman
Director of Technical Services

Figure A. Primary pattern - Oil Range Organics (ORO) C20 – C36

Lims ID:	580-43862-A-15-A	Lab Sample ID:	580-43862-15
Client ID:	TP-7-E-2.0-060214		
Operator ID:	JJP	ALS Bottle#:	7
Injection Vol:	1.0 ul	Dil. Factor:	10.0000
Method:	TPH-Front_TAC017	Limit Group:	NWTPH-DX Standard list
		Worklist Smp#:	4

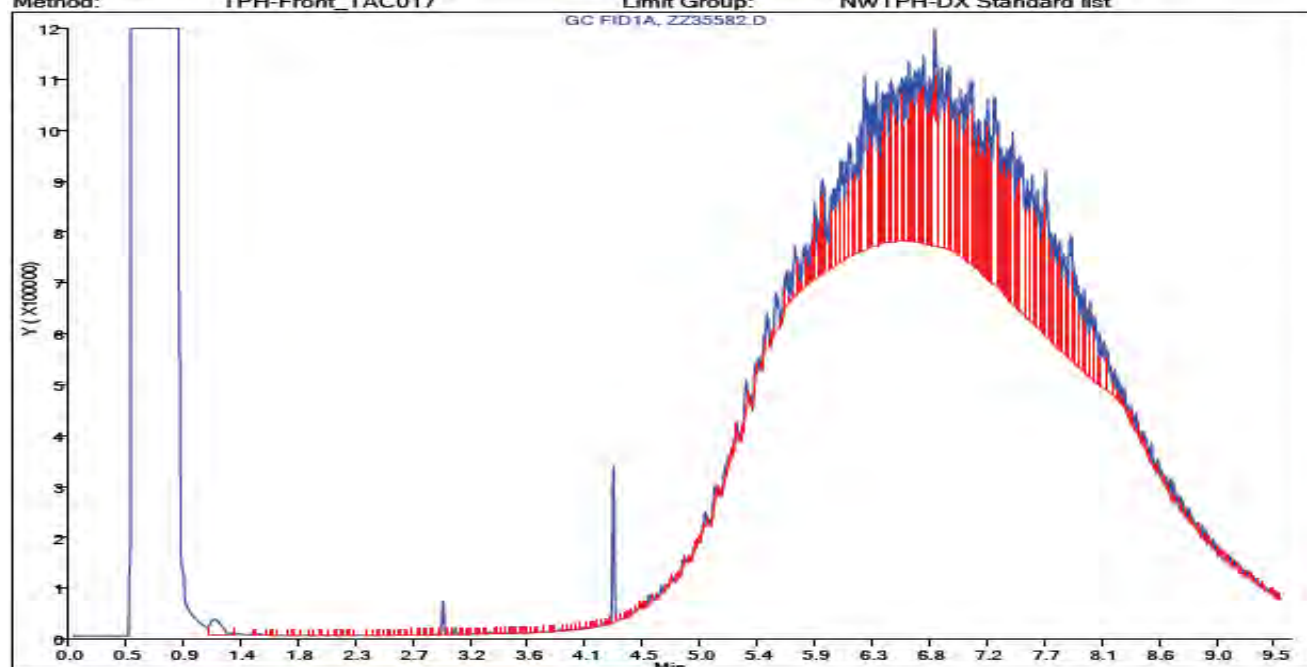


Figure B. Primary pattern – ORO + Residual Range Organics (RRO) C24 – C50

Lims ID:	580-43867-A-1-C	Lab Sample ID:	580-43867-1
Client ID:	E8-2.5-060314		
Operator ID:	JJP	ALS Bottle#:	77
Injection Vol:	1.0 ul	Dil. Factor:	10.0000
Method:	TPH-Rear_TAC017	Limit Group:	NWTPH-DX Standard list
		Worklist Smp#:	26

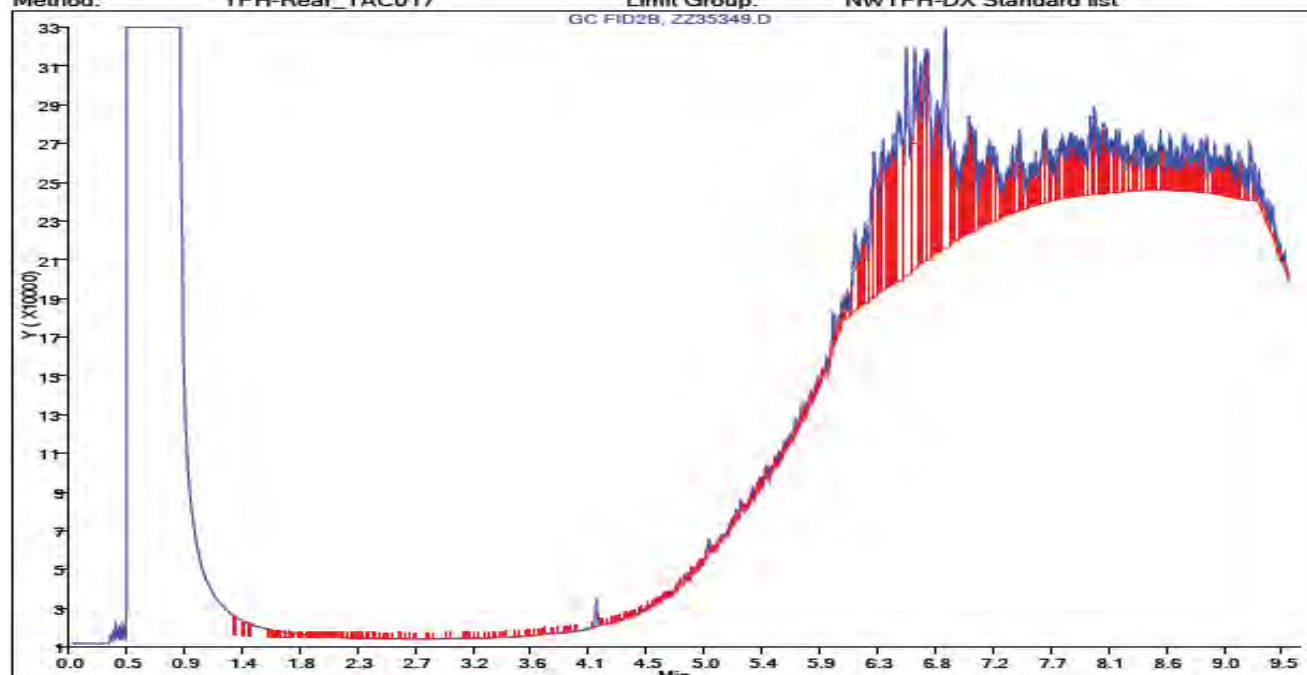


Figure C. Primary pattern – Refined Petroleum Product

Lims ID:	580-43862-A-5-B	Lab Sample ID:	580-43862-5
Client ID:	TP-3-G4-4.0-060214	ALS Bottle#:	27
Operator ID:	SYSTEM	Dil. Factor:	1.0000
Injection Vol:	2.0 ul	Worklist Smp#:	16
Method:	TPH-Front_SEA012	Limit Group:	NWTPH-DX Standard list

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2

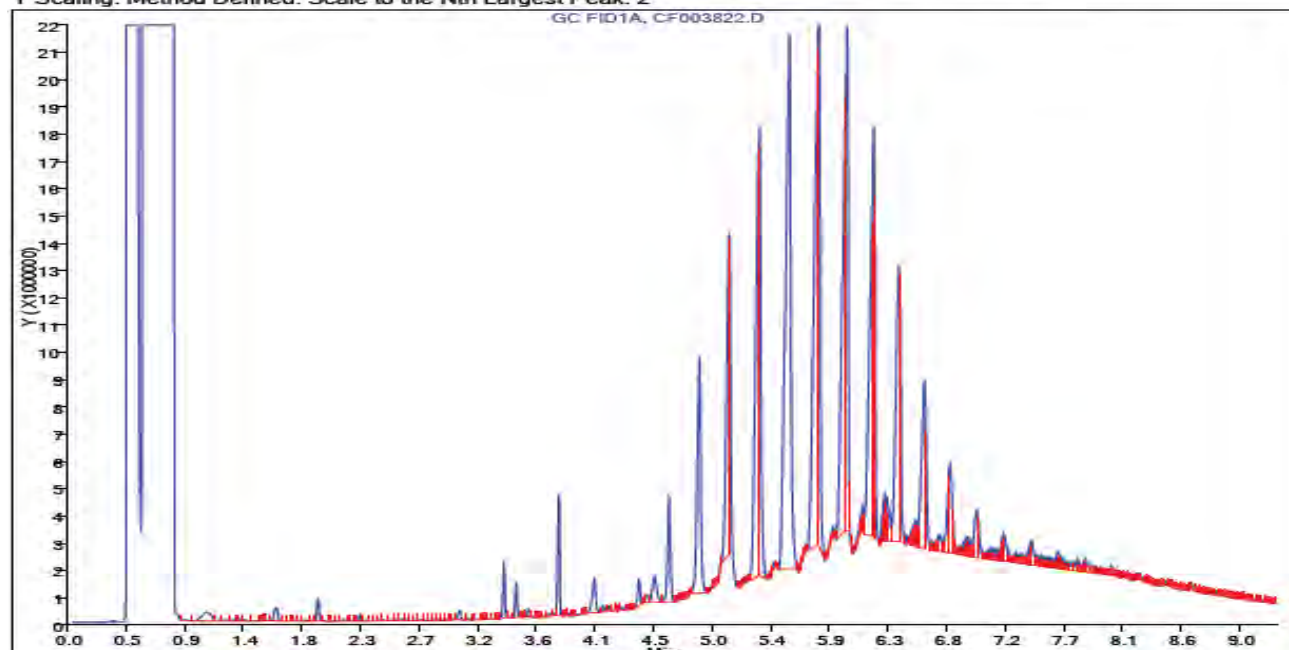


Figure D. Secondary pattern – ORO/RRO + Refined Product

Lims ID:	580-43862-A-2-C	Lab Sample ID:	580-43862-2
Client ID:	TP-1-G3-4.0-060214	ALS Bottle#:	24
Operator ID:	SYSTEM	Dil. Factor:	1.0000
Injection Vol:	2.0 ul	Worklist Smp#:	12
Method:	TPH-Front_SEA012	Limit Group:	NWTPH-DX Standard list

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2

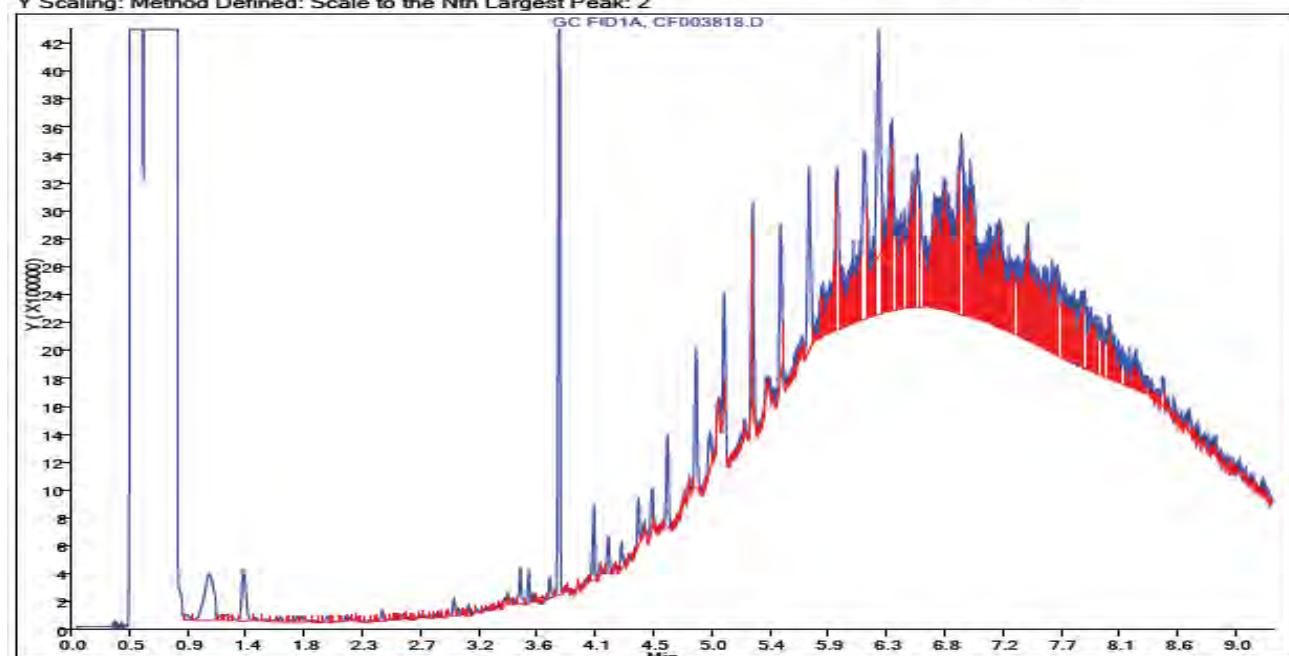


Figure E. Little or no weathering in the Oil Range

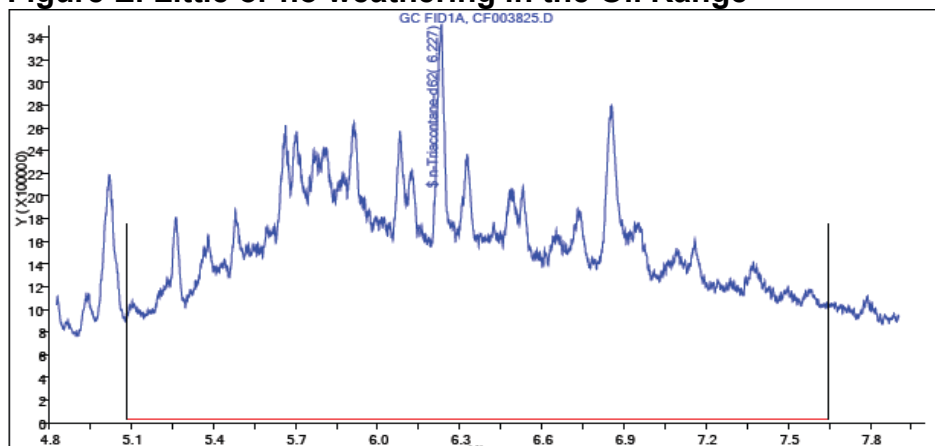
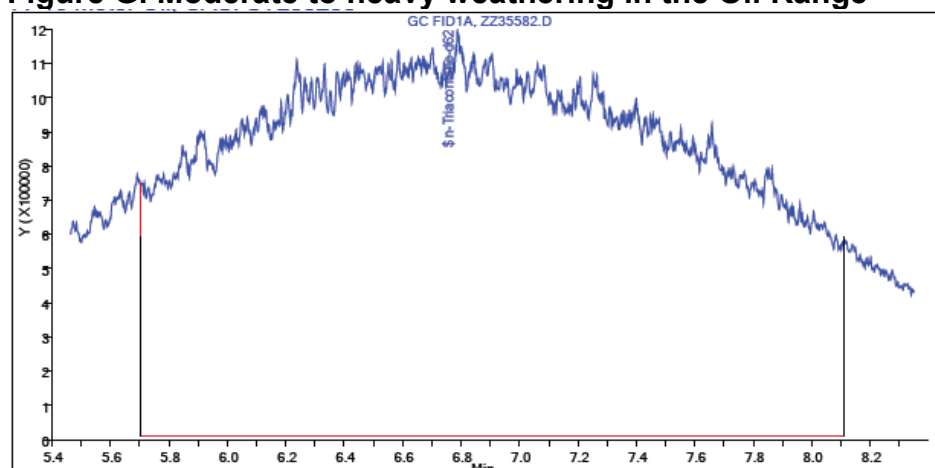


Figure F. Slight to moderate weathering in the Oil Range



Figure G. Moderate to heavy weathering in the Oil Range



Client Sample ID	TALS Sample ID	Primary TPH Pattern	Diesel Fuel?	Weathering of Primary TPH Pattern
Baseline Investigation				
E7-1.5-060314	580-43867-41	ORO/RRO with refined product	No	Little or none
E8-2.5-060314	580-43867-1	Oil/Residual Range (C24-C50+)	No	Slight to moderate
F3-1.5-060414	580-43878-32	Oil/Residual Range (C24-C50+)	No	Slight to moderate
F8-2.5-060314	580-43867-3	Oil/Residual Range (C24-C50+)	No	Slight to moderate
G6-8.5-060514	580-43877-16	Oil/Residual Range (C24-C50+)	No	Slight to moderate
G8-1.5-060314	580-43867-32	Oil/Residual Range (C24-C50+)	No	Slight to moderate
H5-2.0-060414	580-43878-11	Oil Range (C24-36)	No	Slight to moderate
H6-1.5-60414	580-43878-6	ORO/RRO with refined product	No	Little or none
I6-1.5-060414	580-43878-8	Oil Range (C24-36)	No	Little or none
I7-2.0-060314	580-43867-38	Oil/Residual Range (C24-C50+)	No	Slight to moderate
Earth Berm				
B9-5.0-060314	580-43867-15	Oil/Residual Range (C24-C50+)	No	Slight to moderate
C9-5.0-060314	580-43867-16	Oil/Residual Range (C24-C50+)	No	Slight to moderate
D9-5.0-060314	580-43867-17	Refined petroleum product	No	Little or none
F9-5.0-060314	580-43867-21	Refined petroleum product	No	Little or none
G9-1.5-060314	580-43867-11	Oil/Residual Range (C24-C50+)	No	Slight to moderate
H9-5.0-060314	580-43867-19	Oil/Residual Range (C24-C50+)	No	Slight to moderate
I1-5.0-060314	580-43867-30	ORO/RRO with refined product	No	Little or none
J2-5.0-060314	580-43867-29	Oil/Residual Range (C24-C50+)	No	Slight to moderate
J4-5.0-060314	580-43867-27	Oil/Residual Range (C24-C50+)	No	Slight to moderate
J5-5.0-060314	580-43867-26	ORO/RRO with refined product	No	Slight to moderate
J6-6.0-060314	580-43867-25	Oil/Residual Range (C24-C50+)	No	Slight to moderate
J7-5.0-060314	580-43867-24	ORO/RRO with refined product	No	Little or none
Northern Trench				
TP-1-G3-4.0-060214	580-43862-2	ORO/RRO with refined product	No	Little or none
TP-2-G3-1.0-060214	580-43862-3	Oil Range (C24-36)	No	Slight to moderate
TP-3-G4-4.0-060214	580-43862-5	Refined petroleum product	No	Little or none
TP-6-G4-5.0-060214	580-43862-9	Oil/Residual Range (C24-C50+)	No	Moderate to heavy
Southern Trench and Test Pit				
TP-7-SW-1.0-060214	580-43862-10	ORO/RRO with refined product	No	Little or none
TP-7-N-1.0-060214	580-43862-16	ORO/RRO with refined product	No	Little or none
TP-7-E-2.0-060214	580-43862-15	Oil Range (C24-36)	No	Moderate to heavy
TP-7-CEN-E-1.5-060314	580-43867-5	Oil Range (C24-36)	No	Slight to moderate
TP-8-1.5-060314	580-43867-7	Oil Range (C24-36)	No	Slight to moderate