Phase II Environmental Site Assessment

Burwell St - RETECHS #: WF-SLC-13-028917-01-1

2612-2613 Burwell Street
Bremerton, Washington

EBI Project No. 12130196

October 7, 2013

Prepared for:

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October 7, 2013

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Subject: Phase II Environmental Site Assessment
Burwell St - RETECHS #: WF-SLC-13-028917-01-I
2612-2613 Burwell Street, Bremerton, Washington
EBI Project No. 12130196

Dear Mr. Rauch:

In accordance with the Proposal and Standard Conditions for Engagement approved by yourself on September 5, 2013, EBI Consulting (dba EBI Consulting, hereinafter "EBI") is pleased to submit this Phase II Environmental Site Assessment (ESA) Report (Report) for the above-referenced property (herein referred to as the Subject Property).

This report has been prepared by the staff of EBI Consulting for Wells Fargo Bank under the professional supervision of the principal and/or senior staff whose signatures appear hereon. Neither EBI Consulting, nor any staff member assigned to this investigation has any interest or contemplated interest, financial or otherwise, in the subject or surrounding properties, or in any entity which owns, leases, or occupies the subject or surrounding properties or which may be responsible for environmental issues identified during the course of this investigation, and has no personal bias with respect to the parties involved.

The information contained in this report has received appropriate technical review and approval. The conclusions represent professional judgments and are founded upon the findings of the investigations identified in the report and the interpretation of such data based on our experience and expertise according to the existing standard of care. No other warranty or limitation exists, either express or implied.

The conclusions of this Report are based on soil and groundwater analytical data prepared by Accutest Laboratories, soil screening results obtained utilizing a field screening instrument, and field observations recorded by EBI personnel.

There are no intended or unintended third party beneficiaries to this Report, except as expressly stated herein.

EBI is an independent contractor, not an employee of either the issuer or the borrower, and its compensation was not based on the findings or recommendations made in the Report or on the closing of any business transaction.

Thank you for the opportunity to prepare this Report, and assist you with this project. Please call us if you have any questions or if we may be of further assistance.

Respectfully submitted,
EBI CONSULTING

Chad Bechtel
Author/Project Scientist

Ryan Deutsch
Reviewer/ Program Manager

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Senior Program Manager

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1.0 INTRODUCTION

In accordance with our Proposal and Standard Conditions for Engagement, EBI Consulting (EBI) is pleased to submit our *Phase II Environmental Site Assessment (ESA) Report (Report)* on two parcels located at 2612-2613 Burwell Street in Bremerton, Washington (the Subject Property). Mr. Chad Bechtel of EBI Consulting conducted the Phase II ESA at the Subject Property on September 16, 2013.

Background

EBI was requested to conduct a Phase II ESA to evaluate the potential impact to the Subject Property from the historical property usage based on the following recognized environmental concerns identified in EBI's (July 24, 2013) Phase I ESA report:

- A gasoline service station was formerly located on the southern parcel at 2613 Burwell Street. The service station appears to have been in operation from circa 1947 until approximately 1988. No information regarding the operation or closure of any underground storage tanks (USTs) associated with this facility was identified in state or local regulatory files. Based upon the absence of closure documentation, the potential exists that the USTs remain in the ground and that the historical operation of the gasoline service station had impacted subsurface soil and/or groundwater conditions at the Subject Property. This is currently considered a recognized environmental condition (REC).

- Review of historical sources indicates that the northern parcel at 2612 Burwell Street was previously operated as a machine shop and an auto repair facility. These historic uses are considered a recognized environmental condition (REC).

2.0 PURPOSE AND SCOPE OF WORK

This Phase II ESA was conducted utilizing a standard of good commercial and customary practice that was consistent with the ASTM Practice E 1903-97. Any significant scope-of-work additions, deletions or deviations to ASTM Practice E 1903-97 are noted below or in the corresponding sections of this report.

The primary purpose of this investigation was to evaluate the potential impact to the Subject Property from the former on-site gasoline service station, machine shop, and auto repair facility. The investigation focused on exterior locations on the Subject Property in the vicinity of the former gasoline service station, machine shop, and auto repair facility.

In order to achieve the objectives of this investigation, EBI performed the following tasks:

- Contacted the local utility locating service Washington Utility Notification Center (Ticket #13239050 and 13239054) prior to undertaking subsurface explorations on-site.

- Advanced five exterior borings by Geoprobe to depths of 24 feet below ground surface (bgs).

- Collected continuous four foot soil samples, field screened the vapor headspace of the soil samples for total ionizable volatile organic compounds (VOCs) using a photoionization detector (PID), and described the physical characteristics of the soil samples on boring logs. See Sections 4.3 and 4.4 for additional details.

- Selected one soil sample per boring, prepared, and submitted the samples under chain-of-custody documentation to a Washington-certified independent laboratory (Accutest Laboratories), for analysis of VOCs via EPA Method 8260, polynuclear aromatic hydrocarbons (PAHs) via EPA Method 8270, and RCRA 8 metals via EPA Method EPA 6010.

- Collected one grab groundwater sample per boring from temporary small-diameter PVC well screens installed within the soil borings using a peristaltic pump and new tubing, prepared, and submitted the samples under chain-of-custody documentation to a Washington-certified independent laboratory (Accutest Laboratories), for analysis of VOCs via EPA Method 8260, PAHs via EPA Method 8270, and RCRA 8 metals via EPA Method EPA 6010.

- Prepared this summary of pertinent information obtained during this investigation including accompanying illustrations and appendices, along with EBI's findings and preliminary conclusions regarding the presence or absence of contamination in soils and groundwater beneath the Subject Property in the areas investigated.

A detailed description of investigation methods is provided in Section 4.0 of this report.

3.0 SUBJECT PROPERTY DESCRIPTION/PHYSICAL SETTING

3.1 SUBJECT PROPERTY DESCRIPTION

The Subject Property is located at 2610, 2612, 2612 ½, 2613, and 2614 Burwell Street in Bremerton, Kitsap County, Washington. The Subject Property includes two separate parcels fronting Burwell Street. The northern parcel containing 2610, 2612, and 2614 Burwell Street is identified by the Kitsap County Assessor's Office as parcel number 3733-007-021-0107. The southern parcel containing 2613 Burwell Street and is listed as parcel number 3806-005-001-0107. The two parcels total approximately 0.19-acres. According to the Kitsap County Assessor's Office and Mr. Hugh Collender, Owner, the Subject Property is currently owned by Burwell LLC.

The northern parcel is currently improved with a retail/commercial building with a two-bedroom apartment on the second floor of the central portion of the Subject Property building, with a net rentable area of approximately 3,808± square feet. There is no basement present beneath the existing structure. The existing improvements were reportedly constructed in 1929 and the two-bedroom apartment was renovated in 2005, including the removal and replacement of all interior finishes.

The southern parcel located at 2613 Burwell Street is currently vacant, with the exception of a portion of the former building foundation.

Figure 1 is a Subject Property Locus Map showing the location of the Subject Property on a street map of Bremerton, Washington. Figure 2 is a Subject Property Location map showing the location of the Subject Property on a section of the United States Geological Survey Bremerton West, Washington topographic quadrangle.

3.2 PHYSICAL SETTING

Regional Geology/Bedrock

Information concerning the geology of the Subject Property was obtained from the USGS Map of the Physical Divisions of the United States (1946). The Subject Property is located within the Puget Trough section of the Pacific Border physiographic province, which consists of partially submerged lowlands with diverse character.

Surficial

According to the Natural Resources Conservation Service (NRCS) Web Soil Survey (WSS) website (http://websoilsurvey.nrcs.usda.gov/app/), the dominant soil composition in the vicinity of the Subject Property is classified as Neilton gravelly loamy sand, 0 to 3 percent slopes (34). This soil consists of deep, excessively-drained soils consisting of gravelly loamy sand, very gravelly loamy sand, and very gravelly sand. The soil extends to a depth of 60 inches. Permeability is high to very high and the available water capacity is very low. The depth to bedrock is typically greater than 80 inches.

Surface drainage on the Subject Property occurs over land to the surrounding streets primarily to the south and east. No prior soil studies or borings were presented to EBI for review. No indication of cross-lot runoff, swales, drainage flows, or active rills or gullies were observed on the Subject Property.

Soil stratigraphy encountered during the completion of soil borings consisted of brown/grayish brown silty sand and brown sandy clay with some gravel.

Hydrogeology

Shallow groundwater was encountered in each of the soil borings at a depth of 20 feet bgs.

Local groundwater gradient is expected to follow surface topography; therefore, groundwater flow near the Subject Property is expected to flow to the east-southeast. Groundwater depths and flow gradients are best evaluated by a subsurface investigation involving the installation of at least three groundwater monitoring wells and precise measurements of hydrostatic pressure. Monitoring wells were not observed on the Subject Property.

4.0 FIELD ACTIVITIES

4.1 GROUND PENETRATING RADAR SURVEY

EBI contracted C-n-I Locates of Bonney Lake, Washington to conduct a ground penetrating radar (GPR) survey of the accessible exterior areas of the Subject Property in an attempt to confirm the presence or absence of potential remaining USTs. The GPR survey was conducted at the Subject Property on September 16, 2013. GPR equipment was used in an attempt to locate potential USTs as well as to define the presence, size, and depth of any potential USTs and/or former UST locations. GPR is a geophysical technique, which uses electromagnetic waves for shallow subsurface reconnaissance and exploration. An electromagnetic impulse in the form of ultra high-frequency radio waves is emitted into the ground by the transmitting antenna, and the resulting reflection of transfer of waves from contamination plumes, boundary layers, or buried objects is detected by a receiving antenna. The presence of buried objects or significant changes in conductivity of the layers will cause the electromagnetic wave to be reflected. These images provide direct information concerning subsurface conditions. EBI notes that due to surface conditions and subsurface content, the GPR signal penetration was estimated at five feet in the majority of the survey area.

The results of the GPR survey did not identify anomalies indicative of USTs located beneath the surveyed areas of the Subject Property. Two apparent fuel port lines were identified above the ground elevation (approximately 1-2' high) along the north side (approximately 1-1.5 feet from the building) of the 2612 Burwell Street on the Subject Property. The pipes appeared to lead into the Subject Property building. A copy of the GPR report is presented in Appendix D.

4.2 RATIONALE FOR SOIL BORING PLACEMENT

On September 16, 2013, EBI conducted a limited subsurface investigation to assess subsurface conditions in the vicinity of the former gasoline service station and machine shop/auto repair facility at the Subject Property. The areas investigated and the associated boring numbers are described below:

- Boring 1 – exterior location in asphalt-paved parking area adjacent to the northwest (rear) of the 2612 Burwell Street building and adjacent approximately 5 feet to the east of the apparent fill port pipes identified in the GPR survey.
- Boring 2 – exterior location in asphalt-paved parking area adjacent to the northeast (rear) of the 2612 Burwell Street building.
- Boring 3 – exterior location in the northern portion of the vacant lot to the south of Burwell Street.
- Boring 4 – exterior location in the southern portion of the vacant lot to the south of Burwell Street.
- Boring 5 – exterior location in the western portion of the vacant lot to the south of Burwell Street.

The boring location map is provided in Appendix A.

4.3 PRE-DRILLING ACTIVITIES

EBI submitted dig-safe clearance request to the Washington Utility Notification Center to mark-out the locations of utilities on the Subject Property. Clearance for drilling at the Subject Property was granted for after 12:00 a.m. on September 12, 2013.

EBI also contracted C-n-I Locates to perform private utility locating services in the areas of the borings to identify underground utilities and other obstructions. No additional pre-drilling activities were conducted as part of this investigation.

4.4 ADVANCEMENT OF SOIL BORINGS

A total of five borings were advanced at the Subject Property. All of the soil borings were advanced to 24 feet in depth using a Geoprobe rig operated by ESN Northwest of Olympia, Washington. Four-foot soil samples were collected continuously during the advancement of the borings. EBI recorded soil sampling information and the physical characteristics of each soil sample onto boring logs presented in Appendix B.

TABLE 4.3
SUMMARY OF SOIL BORING DETAILS

Soil Boring #	Sample ID	Analytical Analysis	Refusal (reason)	Depth To GW
B-1	B-1 (18-20), B-1 GW	VOC, PAH, RCRA Metals	NA	20'
B-2	B-2 (18-20), B-2 GW	VOC, PAH, RCRA Metals	NA	20'
B-3	B-3 (10-12), B-3 GW	VOC, PAH, RCRA Metals	NA	20'
B-4	B-4 (10-12), B-4 GW	VOC, PAH, RCRA Metals	NA	20'
B-5	B-5 (10-12), B-5 GW	VOC, PAH, RCRA Metals	NA	20'

Notes: VOC – Volatile organic compounds (VOC) via EPA Method 8260
PAH – Polynuclear aromatic hydrocarbons (PAH) via EPA Method 8270
RCRA 8 Metals – Resource Conservation and Recovery Act (RCRA) 8 Metals via EPA Method 6010
GW – Groundwater Grab Sample
(#) – Depth below grade soil sample collected

4.5 FIELD SCREENING

The vapor headspace of each soil sample was field-screened using a photoionization detector (PID). The PID provides a reading of total ionizable VOCs. The PID was calibrated with an isobutylene standard, to measure total VOCs as isobutylene equivalents. The PID has a practical sensitivity of approximately one part per million by volume (ppmV). PID readings should not be considered as exact measurements, but as relative readings of VOCs between locations. The soil samples were placed in a zip-lock bag approximately three-quarters full with the soil to be analyzed, which was sealed for approximately 10 minutes in a warm (>60° F) location for equilibration. The headspace analysis was conducted by inserting the probe of the PID through an opening in the zip-lock bag and into the space above the soil sample.

PID readings ranged from 0.0 to 150 parts per million (ppm). Additionally, in borings B-3 through B-5, a slight to strong hydrocarbon odor was noted in soil samples between 10 and 20 feet bgs. The PID and olfactory results are noted in the Boring Logs provided in Appendix B.

4.6 SOIL SAMPLING AND ANALYSIS

Selected soil samples were collected in laboratory-provided sample containers. Each sample was labeled/logged onto a chain-of-custody form, and placed in a cooler with ice for preservation in

accordance with current Federal EPA SW-846 (3rd ed.). The samples were submitted to an independent qualified laboratory Accutest Laboratories for analyses. The samples were analyzed for VOCs via EPA Method 8260, PAHs via EPA Method 8270, and RCRA 8 metals via EPA Method EPA 6010. Samples submitted for VOC analysis were also preserved with methanol in accordance with EPA Method 5035.

In order to ensure that no cross-contamination between samples occurred, all non-dedicated sampling equipment was decontaminated after the collection of each sample. Sampling equipment was scrubbed with a brush to remove loose material and then washed thoroughly with a laboratory grade detergent and water to remove all particulate matter and surface film. After washing, each piece and brush was rinsed with clean distilled water. Dedicated sampling equipment such as latex gloves were properly disposed of after the handling of each sample was complete. Samples were then collected using clean disposable gloves and laboratory-provided glassware appropriate for the specified analysis.

4.7 GROUNDWATER SAMPLING AND ANALYSIS

Grab groundwater samples were collected from temporary small-diameter PVC well screens installed within the soil borings using a peristaltic pump and new tubing.

The groundwater samples were collected in clean laboratory-provided containers. Samples collected for VOC analysis were preserved with hydrochloric acid to a pH less than 2. Each sample was labeled/logged onto a chain-of-custody form, and placed in a cooler with ice for preservation in accordance with current Federal EPA SW-846 (3rd ed.). After collection, the samples were submitted to an independent qualified laboratory (Accutest Laboratories) for analyses. The samples were analyzed for VOCs via EPA Method 8260, PAHs via EPA Method 8270, and RCRA 8 metals via EPA Method EPA 6010.

4.8 ABANDONMENT OF BORINGS

Upon completion of the soil sampling activities, each soil boring was filled with bentonite chips. The top two to four inches of the exterior borings in the asphalt-paved parking area were backfilled with asphalt and compacted. The top two to four inches of the exterior borings in the vacant lot were covered with dirt to match the surrounding area.

5.0 RESULTS

Boring locations are illustrated on Figure 3, Boring Location Map.

5.1 SOIL ANALYSIS RESULTS

The soil samples were analyzed for VOCs via EPA Method 8260, PAHs via EPA Method 8270, and RCRA 8 metals via EPA Method EPA 6010. The following table presents only the contaminants identified above the laboratory method detection limits:

Table 5.1 – Soil Analytical Results

SAMPLE IDENTIFICATION (Results in mg/kg)						
Sample ID #	**B-1 (18-20)**	**B-2 (18-20)**	**B-3 (10-12)**	**B-4 (10-12)**	**B-5 (10-12)**	**WA DOE Method A Cleanup Levels**
Sample Depth (ft.)	**18'-20'**	**18'-20'**	**10'-12'**	**10'-12'**	**10'-12'**	
VOLATILE ORGANIC COMPOUNDS (VOCS)						
ACETONE	ND	ND	ND	0.0108 J	ND	NS
SEC-BUTYLBENZENE	ND	ND	ND	0.0020 J	ND	NS
ETHYLBENZENE	ND	ND	0.264 J	0.0115	ND	6
ISOPROPYLBENZENE	ND	ND	ND	0.0054	ND	NS
P-ISOPROPYLTOLUENE	ND	ND	0.225 J	0.0017 J	ND	NS
NAPHTHALENE	ND	ND	2.42	0.164 J	ND	5
N-PROPYLBENZENE	ND	ND	0.637 J	0.0209	ND	NS
1,2,4-TRIMETHYLBENZENE	ND	ND	9.42	0.134 J	ND	NS
1,3,5-TRIMETHYLBENZENE	ND	ND	3.20	0.0831	ND	NS
TOLUENE	ND	ND	ND	0.0084	ND	7
XYLENES (TOTAL)	ND	ND	0.720 J	0.166 J	ND	9
POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS)						
1-METHYLNAPHTHALENE	ND	ND	0.488	1.06	ND	NS
2-METHYLNAPHTHALENE	ND	ND	1.24	2.76	ND	NS
NAPHTHALENE	ND	ND	0.276	0.890	ND	5
RCRA 8 METALS						
ARSENIC	ND	ND	2.1	1.8	ND	20
BARIUM	54.0	43.1	62.4	56.3	55.8	NS
CHROMIUM	22.7	23.7	25.7	25.1	25.3	2,000
LEAD	3.4	ND	3.6	18.7	3.0	250

Notes: All results are shown in milligrams per kilogram (mg/kg)
ND = Non-detected above laboratory detection limits
J = Indicates a laboratory estimated value
WA DOE = Washington Department of Ecology (DOE) Method A Soil Cleanup Levels for Unrestricted Land Uses

The soil analytical results revealed concentrations of various VOCs, PAHs and RCRA Metals. EBI compared the detected concentrations of VOCs, PAHs and RCRA Metals to the *Washington State Department of Ecology Method A Soil Cleanup Levels For Unrestricted Land Uses from the Model Toxics Control Act Regulation (MTCA)*, dated November 2007. The detected estimated concentrations of VOCs, PAHs and RCRA Metals are below the applicable soil cleanup level for unrestricted land use.

Laboratory soil analytical results and complete laboratory data sheets and chain-of-custody documentation are presented in Appendix C.

5.2 GROUNDWATER ANALYSIS RESULTS

The groundwater samples were analyzed for VOCs via EPA Method 8260, PAHs via EPA Method 8270, and RCRA 8 metals via EPA Method EPA 6010. The following table presents only the contaminants identified above the laboratory method detection limits:

Table 5.2 – Groundwater Analytical Results

SAMPLE IDENTIFICATION (Results in µg/L)							
Sample ID #	**B-1 GW**	**B-2 GW**	**B-3 GW**	**B-4 GW**	**B-5 GW**	**WA DOE Method A Cleanup Levels**	**WA DOE Method B Screening Levels**
VOLATILE ORGANIC COMPOUNDS (VOCs)							
ACETONE	ND	ND	ND	16.0 J	ND	NS	NS
CIS-1,2-DICHLOROETHYLENE	ND	ND	ND	0.28 J	ND	NS	160
BENZENE	ND	ND	**79.0**	ND	ND	5	2.4
SEC-BUTYLBENZENE	ND	ND	7.0 J	ND	1.0 J	NS	NS
CHLOROFORM	ND	0.57 J	ND	ND	ND	NS	NS
ETHYLBENZENE	ND	ND	566	1.4	1.9	700	2,800
2-HEXANONE	ND	ND	ND	3.5 J	ND	NS	NS
ISOPROPYLBENZENE	ND	ND	31.3	0.28 J	1.0	NS	NS
P-ISOPROPYLTOLUENE	ND	ND	7.5 J	ND	0.61 J	NS	NS
METHYL ETHYL KETONE	ND	ND	ND	6.2 J	ND	NS	350,000
NAPHTHALENE	ND	ND	**601**	3.6 J	8.7	160	170
N-PROPYLBENZENE	ND	ND	97.9	1.2 J	1.8 J	NS	NS
1,2,4-TRIMETHYLBENZENE	ND	ND	**1,160**	10.6	18.7	NS	24
1,3,5-TRIMETHYLBENZENE	ND	ND	**284**	2.7	5.3	NS	25
TETRACHLOROETHYLENE	**16.7**	**29.7**	**131**	**55.5**	**3.3**	5	1
TOLUENE	ND	ND	432	0.27 J	0.57 J	1,000	15,000
TRICHLOROETHYLENE	ND	0.34 J	ND	ND	ND	5	0.42
XYLENES (TOTAL)	ND	ND	**3,060**	13.5	10.9	1,000	310
POLYNUCLEAR AROMATIC HYDROCARBONS (PAHs)							
BENZO(A)PYRENE	**1.1 J**	ND	ND	ND	ND	0.1	NS
BENZO(G,H,I)PERYLENE	1.8 J	ND	ND	ND	ND	NS	NS
*DIBENZO(A,H)ANTHRACENE	**1.6 J**	ND	ND	ND	ND	0.1	NS
*INDENO(1,2,3-CD)PYRENE	**1.4 J**	ND	ND	ND	ND	0.1	NS
1-METHYLNAPHTHALENE	ND	ND	20.9	ND	1.7 J	NS	NS
2-METHYLNAPHTHALENE	ND	ND	43.7	2.0 J	3.7 J	NS	NS
NAPHTHALENE	ND	ND	**169**	2.9 J	2.9 J	160	170

Notes: All results are shown in micrograms per liter (µg/L)
Bold font indicates exceedance of the applicable standards
WA DOE Method A = Washington DOE Method A Cleanup Levels for Groundwater
WA DOE Method B = Washington DOE Method B Groundwater Screening Levels – Groundwater Screening Level or that concentration in the groundwater expected to not result in exceedance of the air cleanup level in an overlying structure under most circumstances.
* - Per WAC 173-340-708 (8), PAHs that have been established as carcinogenic by the EPA will use the cleanup level that has been established for benzo(a)pyrene.

The groundwater analytical results revealed concentrations of various VOCs in each of the groundwater samples collected. EBI compared the detected concentrations of VOCs to the *Washington State Department of Ecology Method A Cleanup Levels For Groundwater from the MTCA*, dated November 2007 and the *Draft Washington State Department of Ecology Method B Groundwater Screening Level,* dated October 2009. The detected concentrations of tetrachloroethylene (PCE) in each of the groundwater samples were above the Method A Cleanup Level or Method B Screening Level. Additionally, the detected concentrations of benzene, naphthalene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene and total xylenes in the groundwater sample from boring B-3 were above the applicable Method A Cleanup Level or Method B Screening Level. All other detected concentrations of VOCs were below the applicable Method A Cleanup Level or Method B Screening Level.

The groundwater analytical results revealed concentrations of various PAHs in each of the groundwater samples collected, with the exception of the groundwater sample B-2 GW. EBI compared the detected concentrations of PAHs to the *Washington State Department of Ecology Method A Cleanup Levels For Groundwater from the MTCA*, dated November 2007 and the *Draft Washington State Department of Ecology Method B Groundwater Screening Level,* dated October 2009. The detected concentrations of benzo(a)pyrene, dibenzo(a,h)anthracene and indeno(1,2,3-cd)pyrene in the groundwater samples B-1 GW and naphthalene in the groundwater sample B-3 GW were above the applicable Method A Cleanup Level or Method B Screening Level. All other detected concentrations of PAHs were below the applicable Method A Cleanup Level or Method B Screening Level.

Laboratory groundwater analytical results and complete laboratory data sheets and chain-of-custody documentation are presented in Appendix C.

6.0 FINDINGS & CONCLUSIONS

The results of EBI's Phase II ESA revealed:

- Five soil borings were advanced at the two parcels in the vicinity of the former gasoline service station and machine shop/auto repair facility. The borings were each advanced to a depth of 24 feet bgs. Soil stratigraphy encountered during the completion of soil borings consisted of brown/grayish brown silty sand and brown sandy clay with some gravel. Shallow groundwater was encountered in each of the soil borings at a depth of 20 feet bgs.

- The results of the GPR survey did not identify anomalies indicative of USTs located beneath the surveyed areas of the Subject Property. However, two apparent fuel port lines were identified above the ground elevation (approximately 1-2' high) along the north side (approximately 1-1.5 feet from the building) of the 2612 Burwell Street on the Subject Property. The pipes appeared to lead into the Subject Property building.

- The soil analytical results revealed concentrations of various VOCs, PAHs and RCRA Metals. However, all of the reported concentrations were below the applicable soil cleanup level for unrestricted land use.

- At the northern parcel (2610, 2612 and 2614 Burwell), the groundwater analytical results revealed concentrations of the solvent PCE, as well as petroleum constituents benzo(a)pyrene, dibenzo(a,h)anthracene and indeno(1,2,3-cd)pyrene at concentrations greater than DOE standards. Site inspection indicated evidence of former UST use at the site. Based on the analytical data, it appears that the former UST and/or former machine shop and auto repair facilities may have adversely impacted groundwater quality below the site.

- At the southern parcel (2613 Burwell), the groundwater analytical results revealed PCE, benzene, naphthalene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene and total xylenes at concentrations greater than DOE standards. Based on the data, it appears that the former gas station may have adversely impacted groundwater quality below the site.

7.0 RECOMMENDATIONS

Based on the findings and conclusions of this limited subsurface investigation, EBI recommends the following:

- According to the information provided online by the Washington State Department of Ecology, Toxics Cleanup Program Policy 300, property owners and operators are required to report the discovery of a release of hazardous substances that may pose a threat to human health or the environment to the Washington State Department of Ecology within ninety (90) calendar days of discovery. After reporting the discharge, additional actions will likely be required to address the identified impacts.

- The elevated levels of VOCs and petroleum constituents detected in groundwater below the site buildings may pose a vapor intrusion threat to the site occupants. Soil vapor testing is recommended to confirm the presence or absence of elevated VOC concentrations in soil vapor below the site buildings.

8.0 LIMITATIONS

This *Report* was prepared for the use of Wells Fargo Bank. It was performed in accordance with generally accepted practices of other consultants undertaking similar studies at the same time and in the same locale under like circumstances. The conclusions provided by EBI are based solely on the information obtained during the subsurface investigation. EBI renders no opinion as to the presence of potential contamination in the areas not investigated. The observations in this *Report* are valid on the date of the investigation. Any additional information that becomes available concerning the Subject Property should be provided to EBI so that our conclusions may be revised and modified, if necessary. This *Report* has been prepared in accordance with the proposal approved by Wells Fargo Bank and with the limitations described in *Attachment A*, all of which are integral parts of this *Report.* No other warranty, expressed or implied, is made.

ATTACHMENT A
LIMITATIONS

1. The observations described in this *Report* were made under the conditions stated herein. The conclusions presented are based solely upon the services described, and not on scientific tasks or procedures beyond the scope of described services or the time and budgetary constraints imposed by Client. The work described in this *Report* was carried out in accordance with terms and conditions in our *Authorization Letter* and *Agreement for Environmental Services* regarding the Site, which are incorporated herein by references.

2. In preparing this *Report*, EBI has relied on certain information provided by state and other referenced parties, and on information contained in the files of federal, state and/or local agencies available to EBI at the time of the assessment. Although there may have been some degree of overlap in the information provided by these various sources, EBI did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of these *Environmental Services*.

3. Observations were made of the Site and of structures on the Site as indicated within the *Report*. Where access to portions of the Site or to structures on the Site was unavailable or limited, EBI renders no opinion as to the presence of oil or hazardous materials (OHM) in that portion of the Site or structure. In addition, EBI renders no opinion as to the presence of OHM or the presence of indirect evidence relating to OHM where direct observation of the interior walls, floor, or ceiling of a structure on a Site was obstructed by objects or coverings on or over these surfaces. No representations concerning insulating material is expressed or implied.

4. EBI did not perform testing or analyses to determine the presence or concentration of asbestos, radon, or lead at the Site unless specifically stated otherwise in the *Report*. Similarly, no investigation of dust or air quality was conducted unless specifically stated otherwise in the *Report*.

5. The purpose of this *Report* is to assess the physical characteristics of the Site with respect to the presence of OHM in the environment. No specific attempt was made to determine the compliance of present or past owners or operators of the Site with federal, state, or local laws or regulations (environmental or otherwise).

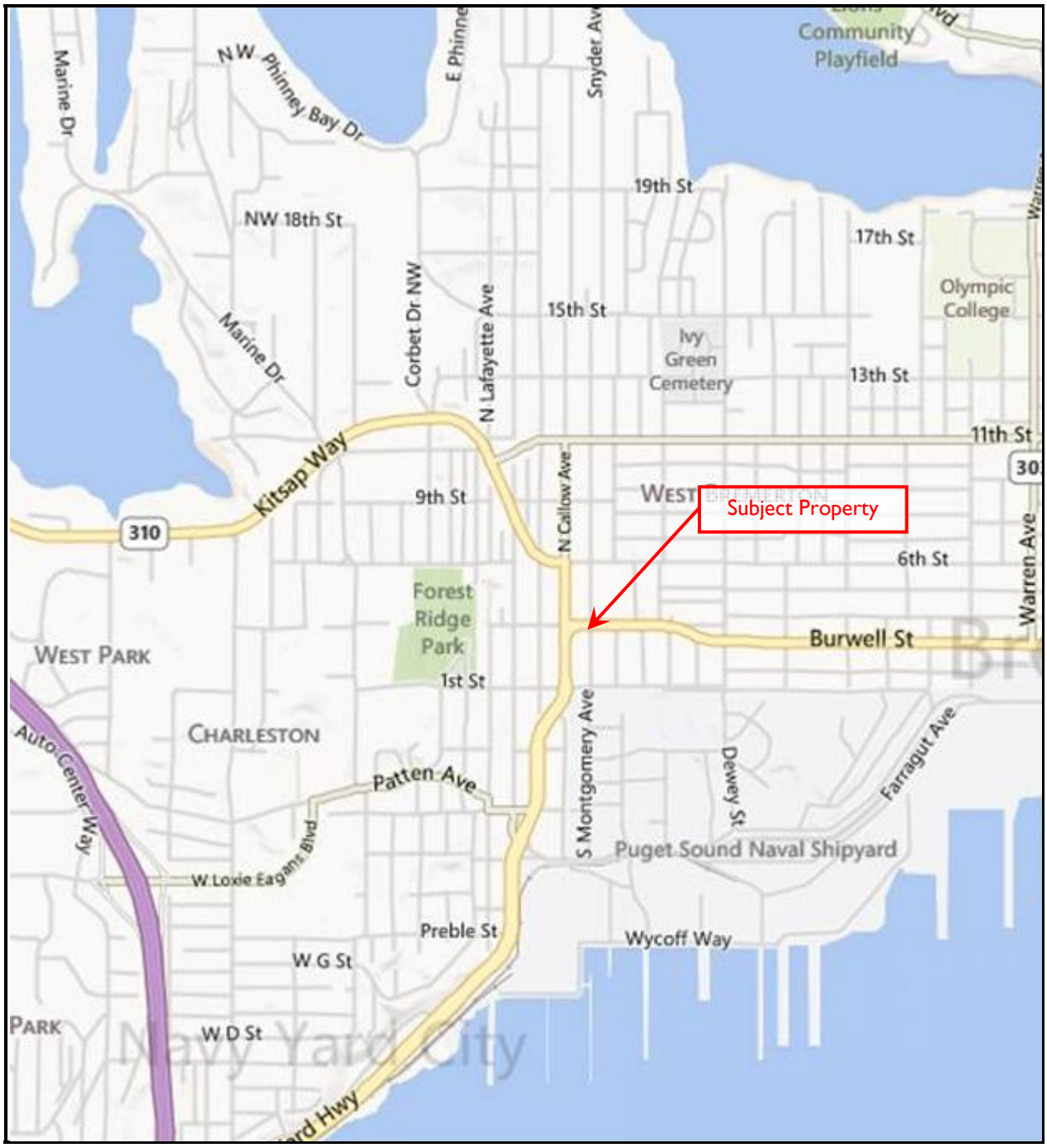
6. Except as noted in the *Report*, no quantitative laboratory testing was performed as part of the assessment. Where such analyses have been conducted by an outside laboratory, EBI has relied upon the data provided, and has not conducted an independent evaluation of the reliability of this data.

7. Any qualitative or quantitative information regarding the Site, which was not available to EBI at the time of this assessment may result in a modification of the representations made herein.

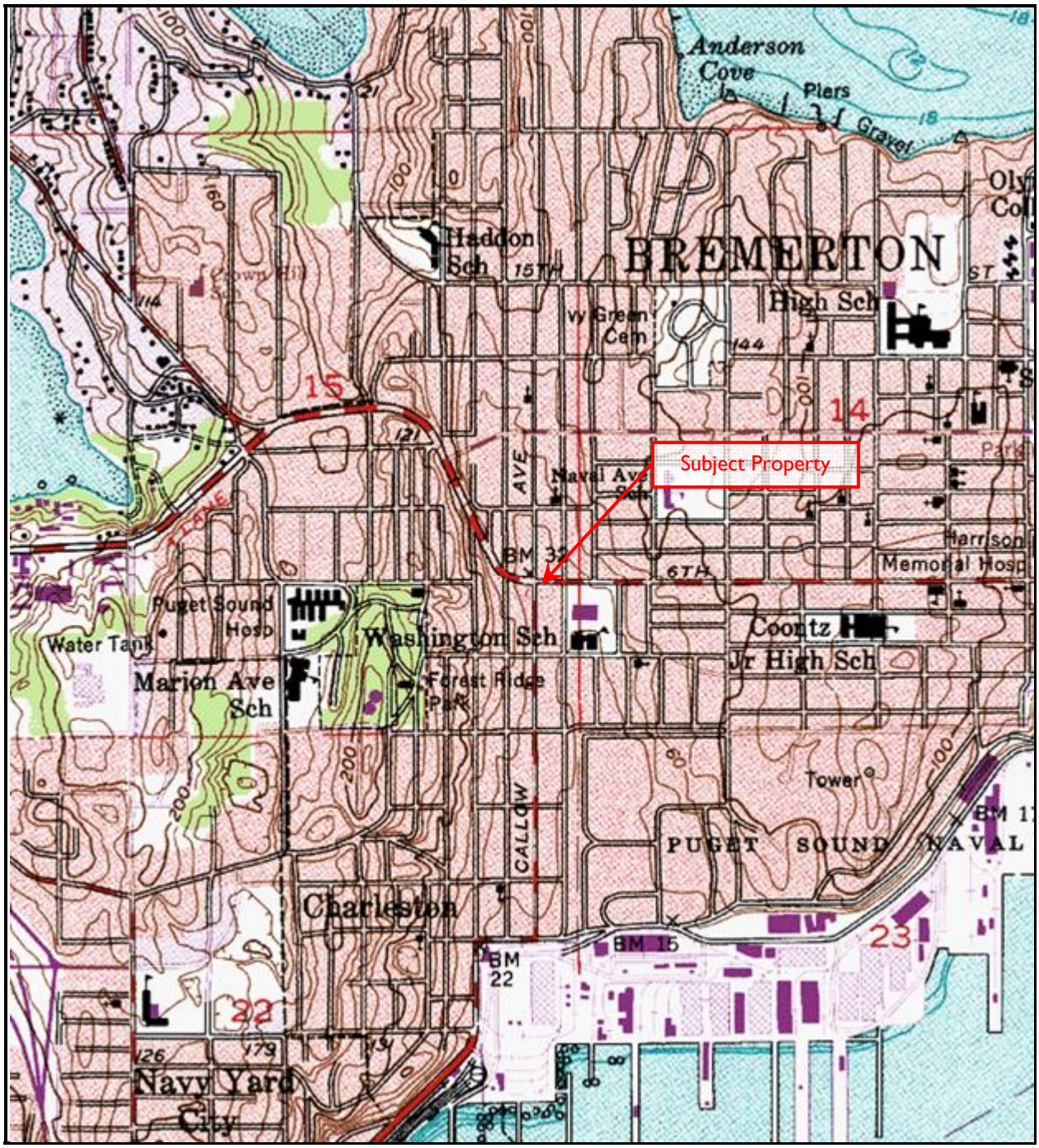
8. It is acknowledged that EBI judgments shall not be based on scientific or technical test or procedures beyond the scope of the Services or beyond the time and budgetary constraints imposed by Client. It is acknowledged further that EBI conclusions shall not rest on pure science but on such considerations as economic feasibility and available alternatives. Client also acknowledges that, because geologic and soil formations are inherently random, variable, and indeterminate in nature, the Services and opinions provided under this Agreement with respect to such Services, are not guaranteed to be a representation of actual conditions on the Site, which are also subject to change with time as a result of natural or man-made processes, including water permeation. In performing the Services, EBI shall use that degree of care and skill ordinarily exercised by environmental consultants or engineers performing similar services in the same or similar locality. The standard of care shall be determined solely at the time the Services are rendered and not according to standards utilized at a later date. The Services shall be rendered without any other warranty, expressed or implied, including, without limitation, the warranty of merchant ability and the warranty of fitness for a particular purpose.

9. Client and EBI agree that to the fullest extent permitted by law, EBI shall not be liable to Client for any special, indirect or consequential damages whatsoever, whether caused by EBI's negligence, errors, omissions, strict liability, breach of contract, breach of warranty or other cause of causes whatsoever.

APPENDIX A
FIGURES



Site Location Map



Topographic Map

Boring Location Map

APPENDIX B
SOIL BORING LOGS

SOIL BORING LOG - FIELD READINGS

EBI Project #12130196

Project Name: Burwell St

Bremerton, Kitsap County, Washington

BORING METHOD: Geoprobe DATE: 09/16/13

Sample #	Depth (Ft)	Moisture (S-H-M-L)	PID Reading	Soil Description/Notes
B-1	0 - 2	M	0.2	Brown silty sand, some gravel
B-1	2 - 4	M	0.0	Brown silty sand, some gravel
B-1	4 - 6	M	0.5	Grayish brown silty sand, some gravel
B-1	6 - 8	M	0.3	Grayish brown silty sand, some gravel
B-1	8 - 10	M	0.4	Grayish brown silty sand, some gravel
B-1	10 - 12	M	0.0	Grayish brown silty sand, some gravel
B-1	12 - 14	H	0.1	Brown sandy clay, some gravel
B-1	14 - 16	H	0.3	Brown sandy clay, some gravel
B-1	16 - 18	H	0.2	Brown sandy clay, some gravel
B-1	18 - 20	H	0.5	Brown sandy clay, some gravel
B-1	20 - 24	S	--	Brown silty sand, some gravel
Bottom of Boring at 24' (Termination depth), groundwater encountered at 20'				
B-2	0 - 2	M	0.0	Brown silty sand, some gravel
B-2	2 - 4	M	0.0	Brown silty sand, some gravel
B-2	4 - 6	M	0.1	Grayish brown silty sand, some gravel
B-2	6 - 8	M	0.0	Grayish brown silty sand, some gravel
B-2	8 - 10	M	0.3	Grayish brown silty sand, some gravel
B-2	10 - 12	M	0.4	Grayish brown silty sand, some gravel
B-2	12 - 14	H	0.0	Brown sandy clay, some gravel
B-2	14 - 16	H	0.2	Brown sandy clay, some gravel
B-2	16 - 18	H	0.3	Brown sandy clay, some gravel
B-2	18 - 20	H	0.6	Brown sandy clay, some gravel
B-2	20 - 24	S	--	Brown silty sand, some gravel
Bottom of Boring at 24' (Termination depth), groundwater encountered at 20'				
B-3	0 - 2	M	1.2	Brown silty sand, some gravel
B-3	2 - 4	M	2.4	Brown silty sand, some gravel
B-3	4 - 6	M	8.4	Grayish brown silty sand, some gravel
B-3	6 - 8	M	7.5	Grayish brown silty sand, some gravel
B-3	8 - 10	M	16.5	Grayish brown silty sand, some gravel
B-3	10 - 12	M	150	Grayish brown silty sand, some gravel – strong hydrocarbon odor
B-3	12 - 14	H	125	Brown sandy clay, some gravel – strong hydrocarbon odor
B-3	14 - 16	H	43	Brown sandy clay, some gravel – light hydrocarbon odor

SOIL BORING LOG - FIELD READINGS

EBI Project #12130196

Project Name: Burwell St

Bremerton, Kitsap County, Washington

BORING METHOD: Geoprobe DATE: 09/16/13

Sample #	Depth (Ft)	Moisture (S-H-M-L)	PID Reading	Soil Description/Notes
B-3	16 - 18	H	35	Brown sandy clay, some gravel – light hydrocarbon odor
B-3	18 - 20	H	8.1	Brown sandy clay, some gravel – light hydrocarbon odor
B-3	20 - 24	S	--	Brown silty sand, some gravel
Bottom of Boring at 24' (Termination depth), groundwater encountered at 20'				
B-4	0 - 2	M	0.6	Brown silty sand, some gravel
B-4	2 - 4	M	3.5	Brown silty sand, some gravel
B-4	4 - 6	M	10.5	Grayish brown silty sand, some gravel
B-4	6 - 8	M	17.3	Grayish brown silty sand, some gravel
B-4	8 - 10	M	45	Grayish brown silty sand, some gravel
B-4	10 - 12	M	110	Grayish brown silty sand, some gravel – strong hydrocarbon odor
B-4	12 - 14	H	95	Brown sandy clay, some gravel – strong hydrocarbon odor
B-4	14 - 16	H	24	Brown sandy clay, some gravel – light hydrocarbon odor
B-4	16 - 18	H	16.3	Brown sandy clay, some gravel – light hydrocarbon odor
B-4	18 - 20	H	4.5	Brown sandy clay, some gravel – light hydrocarbon odor
B-4	20 - 24	S	--	Brown silty sand, some gravel
Bottom of Boring at 24' (Termination depth), groundwater encountered at 20'				
B-5	0 - 2	M	3.5	Brown silty sand, some gravel
B-5	2 - 4	M	4.1	Brown silty sand, some gravel
B-5	4 - 6	M	4.2	Grayish brown silty sand, some gravel
B-5	6 - 8	M	7.9	Grayish brown silty sand, some gravel
B-5	8 - 10	M	31	Grayish brown silty sand, some gravel
B-5	10 - 12	M	83	Grayish brown silty sand, some gravel – strong hydrocarbon odor
B-5	12 - 14	H	74	Brown sandy clay, some gravel – strong hydrocarbon odor
B-5	14 - 16	H	21	Brown sandy clay, some gravel – light hydrocarbon odor
B-5	16 - 18	H	27	Brown sandy clay, some gravel – light hydrocarbon odor
B-5	18 - 20	H	19	Brown sandy clay, some gravel – light hydrocarbon odor

SOIL BORING LOG - FIELD READINGS

EBI Project #12130196

Project Name: Burwell St

Bremerton, Kitsap County, Washington

BORING METHOD: Geoprobe DATE: 09/16/13

Sample #	Depth (Ft)	Moisture (S-H-M-L)	PID Reading	Soil Description/Notes
B-5	20 - 24	S	--	Brown silty sand, some gravel
Bottom of Boring at 24' (Termination depth), groundwater encountered at 20'				

APPENDIX C
LABORATORY ANALYTICAL RESULTS AND CHAIN-OF-CUSTODY DOCUMENTATION

Northern California ACCUTEST LABORATORIES

09/26/13

Technical Report for

EBI Consulting-Burlington

12130196 Bremerton, WA

12130196 BREMERTON, WA

Accutest Job Number: C29798

Sampling Date: 09/16/13

Report to:

EBI Consulting
21 B Street
Burlington, MA 01803
rdeutsch@ebiconsulting.com

ATTN: Ryan Deutsch

Total number of pages in report: **121**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

James J. Rhudy
Lab Director

Client Service contact: Nutan Kabir 408-588-0200

Certifications: CA (08258CA) AZ (AZ0762) DoD/ISO/IEC 17025:2005 (L2242)

Sections: 1 2 3 4 5 6 7

Table of Contents

-1-

Sample Summary

EBI Consulting-Burlington

Job No: C29798

12130196 Bremerton, WA
Project No: 12130196 BREMERTON, WA

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C29798-1	09/16/13	09:55	CB	09/18/13	SO	Soil	B-1 (18-20)
C29798-2	09/16/13	11:25	CB	09/18/13	SO	Soil	B-2 (18-20)
C29798-3	09/16/13	13:20	CB	09/18/13	SO	Soil	B-3 (10-12)
C29798-4	09/16/13	13:55	CB	09/18/13	SO	Soil	B-4 (10-12)
C29798-5	09/16/13	14:35	CB	09/18/13	SO	Soil	B-5 (10-12)
C29798-6	09/16/13	10:50	CB	09/18/13	AQ	Ground Water	B-1 GW
C29798-6F	09/16/13	10:50	CB	09/18/13	AQ	Groundwater Filtered	B-1 GW
C29798-7	09/16/13	11:55	CB	09/18/13	AQ	Ground Water	B-2 GW
C29798-7F	09/16/13	11:55	CB	09/18/13	AQ	Groundwater Filtered	B-2 GW
C29798-8	09/16/13	14:00	CB	09/18/13	AQ	Ground Water	B-3 GW
C29798-8F	09/16/13	14:00	CB	09/18/13	AQ	Groundwater Filtered	B-3 GW
C29798-9	09/16/13	14:50	CB	09/18/13	AQ	Ground Water	B-4 GW
C29798-9F	09/16/13	14:50	CB	09/18/13	AQ	Groundwater Filtered	B-4 GW

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

EBI Consulting-Burlington

Job No: C29798

12130196 Bremerton, WA
Project No: 12130196 BREMERTON, WA

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C29798-10	09/16/13	15:30	CB	09/18/13	AQ	Ground Water	B-5 GW
C29798-10F	09/16/13	15:30	CB	09/18/13	AQ	Groundwater Filtered	B-5 GW

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Summary of Hits

Job Number: C29798
Account: EBI Consulting-Burlington
Project: 12130196 Bremerton, WA
Collected: 09/16/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C29798-1	**B-1 (18-20)**					
Barium		54.0	19		mg/kg	SW846 6010B
Chromium		22.7	0.93		mg/kg	SW846 6010B
Lead		3.4	1.9		mg/kg	SW846 6010B
C29798-2	**B-2 (18-20)**					
Barium		43.1	19		mg/kg	SW846 6010B
Chromium		23.7	0.94		mg/kg	SW846 6010B
C29798-3	**B-3 (10-12)**					
Ethylbenzene [a]		0.264 J	2.1	0.21	mg/kg	SW846 8260B
p-Isopropyltoluene [a]		0.225 J	2.1	0.21	mg/kg	SW846 8260B
Naphthalene [a]		2.42	2.1	0.43	mg/kg	SW846 8260B
n-Propylbenzene [a]		0.637 J	2.1	0.21	mg/kg	SW846 8260B
1,2,4-Trimethylbenzene [a]		9.42	2.1	0.43	mg/kg	SW846 8260B
1,3,5-Trimethylbenzene [a]		3.20	2.1	0.43	mg/kg	SW846 8260B
Xylene (total) [a]		0.720 J	4.3	0.43	mg/kg	SW846 8260B
1-Methylnaphthalene		0.488	0.17	0.076	mg/kg	SW846 8270C
2-Methylnaphthalene		1.24	0.17	0.079	mg/kg	SW846 8270C
Naphthalene		0.276	0.17	0.076	mg/kg	SW846 8270C
Arsenic		2.1	1.9		mg/kg	SW846 6010B
Barium		62.4	19		mg/kg	SW846 6010B
Chromium		25.7	0.93		mg/kg	SW846 6010B
Lead		3.6	1.9		mg/kg	SW846 6010B
C29798-4	**B-4 (10-12)**					
Acetone		0.0108 J	0.034	0.0084	mg/kg	SW846 8260B
sec-Butylbenzene		0.0020 J	0.0042	0.00042	mg/kg	SW846 8260B
Ethylbenzene		0.0115	0.0042	0.00042	mg/kg	SW846 8260B
Isopropylbenzene		0.0054	0.0042	0.00042	mg/kg	SW846 8260B
p-Isopropyltoluene		0.0017 J	0.0042	0.00042	mg/kg	SW846 8260B
Naphthalene		0.164 J	0.21	0.043	mg/kg	SW846 8260B
n-Propylbenzene		0.0209	0.0042	0.00042	mg/kg	SW846 8260B
1,2,4-Trimethylbenzene		0.134 J	0.21	0.043	mg/kg	SW846 8260B
1,3,5-Trimethylbenzene		0.0831	0.0042	0.00084	mg/kg	SW846 8260B
Toluene		0.0084	0.0042	0.00042	mg/kg	SW846 8260B
Xylene (total)		0.166 J	0.43	0.043	mg/kg	SW846 8260B
1-Methylnaphthalene [b]		1.06	0.33	0.15	mg/kg	SW846 8270C
2-Methylnaphthalene [b]		2.76	0.33	0.16	mg/kg	SW846 8270C
Naphthalene [b]		0.890	0.33	0.15	mg/kg	SW846 8270C
Arsenic		1.8	1.8		mg/kg	SW846 6010B

Summary of Hits

Job Number: C29798
Account: EBI Consulting-Burlington
Project: 12130196 Bremerton, WA
Collected: 09/16/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Barium		56.3	18		mg/kg	SW846 6010B
Chromium		25.1	0.88		mg/kg	SW846 6010B
Lead		18.7	1.8		mg/kg	SW846 6010B
C29798-5	**B-5 (10-12)**					
Barium		55.8	19		mg/kg	SW846 6010B
Chromium		25.3	0.93		mg/kg	SW846 6010B
Lead		3.0	1.9		mg/kg	SW846 6010B
C29798-6	**B-1 GW**					
Tetrachloroethylene		16.7	1.0	0.30	ug/l	SW846 8260B
Benzo(a)pyrene		1.1 J	4.8	1.0	ug/l	SW846 8270C
Benzo(g,h,i)perylene		1.8 J	4.8	1.4	ug/l	SW846 8270C
Dibenzo(a,h)anthracene		1.6 J	4.8	1.2	ug/l	SW846 8270C
Indeno(1,2,3-cd)pyrene		1.4 J	4.8	1.3	ug/l	SW846 8270C
C29798-6F	**B-1 GW**					
No hits reported in this sample.						
C29798-7	**B-2 GW**					
Chloroform		0.57 J	1.0	0.20	ug/l	SW846 8260B
Tetrachloroethylene		29.7	1.0	0.30	ug/l	SW846 8260B
Trichloroethylene		0.34 J	1.0	0.20	ug/l	SW846 8260B
C29798-7F	**B-2 GW**					
No hits reported in this sample.						
C29798-8	**B-3 GW**					
Benzene		79.0	20	4.0	ug/l	SW846 8260B
sec-Butylbenzene		7.0 J	40	4.0	ug/l	SW846 8260B
Ethylbenzene		566	20	4.0	ug/l	SW846 8260B
Isopropylbenzene		31.3	20	4.0	ug/l	SW846 8260B
p-Isopropyltoluene		7.5 J	40	4.0	ug/l	SW846 8260B
Naphthalene		601	100	10	ug/l	SW846 8260B
n-Propylbenzene		97.9	40	4.0	ug/l	SW846 8260B
1,2,4-Trimethylbenzene		1160	40	4.0	ug/l	SW846 8260B
1,3,5-Trimethylbenzene		284	40	4.0	ug/l	SW846 8260B
Tetrachloroethylene		131	20	6.0	ug/l	SW846 8260B
Toluene		432	20	4.0	ug/l	SW846 8260B

Summary of Hits

Job Number: C29798
Account: EBI Consulting-Burlington
Project: 12130196 Bremerton, WA
Collected: 09/16/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Xylene (total)		3060	40	9.2	ug/l	SW846 8260B
1-Methylnaphthalene		20.9	4.8	1.2	ug/l	SW846 8270C
2-Methylnaphthalene		43.7	4.8	1.3	ug/l	SW846 8270C
Naphthalene		169	48	12	ug/l	SW846 8270C
C29798-8F	**B-3 GW**					
No hits reported in this sample.						
C29798-9	**B-4 GW**					
Acetone		16.0 J	20	4.0	ug/l	SW846 8260B
cis-1,2-Dichloroethylene		0.28 J	1.0	0.20	ug/l	SW846 8260B
Ethylbenzene		1.4	1.0	0.20	ug/l	SW846 8260B
2-Hexanone		3.5 J	10	2.0	ug/l	SW846 8260B
Isopropylbenzene		0.28 J	1.0	0.20	ug/l	SW846 8260B
Methyl ethyl ketone		6.2 J	10	2.0	ug/l	SW846 8260B
Naphthalene		3.6 J	5.0	0.50	ug/l	SW846 8260B
n-Propylbenzene		1.2 J	2.0	0.20	ug/l	SW846 8260B
1,2,4-Trimethylbenzene		10.6	2.0	0.20	ug/l	SW846 8260B
1,3,5-Trimethylbenzene		2.7	2.0	0.20	ug/l	SW846 8260B
Tetrachloroethylene		55.5	1.0	0.30	ug/l	SW846 8260B
Toluene		0.27 J	1.0	0.20	ug/l	SW846 8260B
Xylene (total)		13.5	2.0	0.46	ug/l	SW846 8260B
2-Methylnaphthalene		2.0 J	4.7	1.2	ug/l	SW846 8270C
Naphthalene		2.9 J	4.7	1.2	ug/l	SW846 8270C
C29798-9F	**B-4 GW**					
No hits reported in this sample.						
C29798-10	**B-5 GW**					
sec-Butylbenzene		1.0 J	2.0	0.20	ug/l	SW846 8260B
Ethylbenzene		1.9	1.0	0.20	ug/l	SW846 8260B
Isopropylbenzene		1.0	1.0	0.20	ug/l	SW846 8260B
p-Isopropyltoluene		0.61 J	2.0	0.20	ug/l	SW846 8260B
Naphthalene		8.7	5.0	0.50	ug/l	SW846 8260B
n-Propylbenzene		1.8 J	2.0	0.20	ug/l	SW846 8260B
1,2,4-Trimethylbenzene		18.7	2.0	0.20	ug/l	SW846 8260B
1,3,5-Trimethylbenzene		5.3	2.0	0.20	ug/l	SW846 8260B
Tetrachloroethylene		3.3	1.0	0.30	ug/l	SW846 8260B
Toluene		0.57 J	1.0	0.20	ug/l	SW846 8260B
Xylene (total)		10.9	2.0	0.46	ug/l	SW846 8260B
1-Methylnaphthalene		1.7 J	4.7	1.2	ug/l	SW846 8270C

Summary of Hits

Job Number: C29798
Account: EBI Consulting-Burlington
Project: 12130196 Bremerton, WA
Collected: 09/16/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
2-Methylnaphthalene		3.7 J	4.7	1.2	ug/l	SW846 8270C
Naphthalene		2.9 J	4.7	1.2	ug/l	SW846 8270C

C29798-10F **B-5 GW**

No hits reported in this sample.

(a) Dilution required due to high concentration of non-target hydrocarbons.
(b) Dilution required due to matrix interference (dark and viscous extract; high concentration of non-target hydrocarbons).

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: B-1 (18-20)
Lab Sample ID: C29798-1
Matrix: SO - Soil
Method: SW846 8260B
Project: 12130196 Bremerton, WA

Date Sampled: 09/16/13
Date Received: 09/18/13
Percent Solids: n/a [a]

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L27496.D	1	09/18/13	XB	n/a	n/a	VL870
Run #2							

	Initial Weight
Run #1	6.07 g
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	0.033	0.0082	mg/kg	
71-43-2	Benzene	ND	0.0041	0.00041	mg/kg	
108-86-1	Bromobenzene	ND	0.0041	0.00041	mg/kg	
74-97-5	Bromochloromethane	ND	0.0041	0.00041	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0041	0.00041	mg/kg	
75-25-2	Bromoform	ND	0.0041	0.00041	mg/kg	
104-51-8	n-Butylbenzene	ND	0.0041	0.00041	mg/kg	
135-98-8	sec-Butylbenzene	ND	0.0041	0.00041	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0041	0.00041	mg/kg	
108-90-7	Chlorobenzene	ND	0.0041	0.00041	mg/kg	
75-00-3	Chloroethane	ND	0.0041	0.00082	mg/kg	
67-66-3	Chloroform	ND	0.0041	0.00041	mg/kg	
95-49-8	o-Chlorotoluene	ND	0.0041	0.00041	mg/kg	
106-43-4	p-Chlorotoluene	ND	0.0041	0.00041	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0041	0.00041	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0041	0.00041	mg/kg	
75-35-4	1,1-Dichloroethylene	ND	0.0041	0.00041	mg/kg	
563-58-6	1,1-Dichloropropene	ND	0.0041	0.00041	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0041	0.0012	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0041	0.00041	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0041	0.00041	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0041	0.00041	mg/kg	
142-28-9	1,3-Dichloropropane	ND	0.0041	0.00041	mg/kg	
108-20-3	Di-Isopropyl ether	ND	0.0041	0.00041	mg/kg	
594-20-7	2,2-Dichloropropane	ND	0.0041	0.00041	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0041	0.00041	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0041	0.00082	mg/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	0.0041	0.00091	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0041	0.00041	mg/kg	
541-73-1	m-Dichlorobenzene	ND	0.0041	0.00041	mg/kg	
95-50-1	o-Dichlorobenzene	ND	0.0041	0.00041	mg/kg	
106-46-7	p-Dichlorobenzene	ND	0.0041	0.00041	mg/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: B-1 (18-20)
Lab Sample ID: C29798-1
Matrix: SO - Soil
Method: SW846 8260B
Project: 12130196 Bremerton, WA

Date Sampled: 09/16/13
Date Received: 09/18/13
Percent Solids: n/a [a]

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	0.0041	0.00041	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0041	0.00041	mg/kg	
100-41-4	Ethylbenzene	ND	0.0041	0.00041	mg/kg	
637-92-3	Ethyl tert-Butyl Ether	ND	0.0041	0.00041	mg/kg	
591-78-6	2-Hexanone	ND	0.016	0.0016	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.0041	0.00082	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0041	0.00041	mg/kg	
99-87-6	p-Isopropyltoluene	ND	0.0041	0.00041	mg/kg	
108-10-1	4-Methyl-2-pentanone	ND	0.016	0.0016	mg/kg	
74-83-9	Methyl bromide	ND	0.0041	0.00082	mg/kg	
74-87-3	Methyl chloride	ND	0.0041	0.00082	mg/kg	
74-95-3	Methylene bromide	ND	0.0041	0.00041	mg/kg	
75-09-2	Methylene chloride	ND	0.016	0.0041	mg/kg	
78-93-3	Methyl ethyl ketone	ND	0.016	0.0016	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0041	0.00082	mg/kg	
91-20-3	Naphthalene	ND	0.0041	0.00082	mg/kg	
103-65-1	n-Propylbenzene	ND	0.0041	0.00041	mg/kg	
100-42-5	Styrene	ND	0.0041	0.00041	mg/kg	
994-05-8	Tert-Amyl Methyl Ether	ND	0.0041	0.00041	mg/kg	
75-65-0	Tert Butyl Alcohol	ND	0.033	0.0082	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.0041	0.00041	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0041	0.00041	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0041	0.00041	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0041	0.00041	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0041	0.00041	mg/kg	
96-18-4	1,2,3-Trichloropropane	ND	0.0041	0.00082	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0041	0.00041	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0041	0.00082	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0041	0.00082	mg/kg	
127-18-4	Tetrachloroethylene	ND	0.0041	0.00049	mg/kg	
108-88-3	Toluene	ND	0.0041	0.00041	mg/kg	
79-01-6	Trichloroethylene	ND	0.0041	0.00041	mg/kg	
75-69-4	Trichlorofluoromethane [b]	ND	0.0041	0.00082	mg/kg	
75-01-4	Vinyl chloride	ND	0.0041	0.00082	mg/kg	
1330-20-7	Xylene (total)	ND	0.0082	0.00082	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		70-130%
2037-26-5	Toluene-D8	97%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-1 (18-20)		
Lab Sample ID:	C29798-1	**Date Sampled:**	09/16/13
Matrix:	SO - Soil	**Date Received:**	09/18/13
Method:	SW846 8260B	**Percent Solids:**	n/a [a]
Project:	12130196 Bremerton, WA		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	107%		70-130%

(a) All results reported on a wet weight basis.
(b) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-1 (18-20)		
Lab Sample ID:	C29798-1	**Date Sampled:**	09/16/13
Matrix:	SO - Soil	**Date Received:**	09/18/13
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	n/a [a]
Project:	12130196 Bremerton, WA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	Y22481.D	4	09/19/13	MT	09/19/13	OP8728	EY1042
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.66	0.29	mg/kg	
208-96-8	Acenaphthylene	ND	0.66	0.31	mg/kg	
120-12-7	Anthracene	ND	0.66	0.21	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.66	0.13	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.66	0.13	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.66	0.13	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.66	0.17	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.66	0.13	mg/kg	
218-01-9	Chrysene	ND	0.66	0.13	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.66	0.16	mg/kg	
206-44-0	Fluoranthene	ND	0.66	0.13	mg/kg	
86-73-7	Fluorene	ND	0.66	0.29	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.66	0.17	mg/kg	
90-12-0	1-Methylnaphthalene	ND	0.66	0.30	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.66	0.32	mg/kg	
91-20-3	Naphthalene	ND	0.66	0.31	mg/kg	
85-01-8	Phenanthrene	ND	0.66	0.23	mg/kg	
129-00-0	Pyrene	ND	0.66	0.13	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	53%		15-101%
321-60-8	2-Fluorobiphenyl	63%		15-104%
1718-51-0	Terphenyl-d14	84%		56-123%

(a) All results reported on a wet weight basis.
(b) Dilution required due to matrix interference (dark and viscous extract; high concentration of non-target hydrocarbons).

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: B-1 (18-20)
Lab Sample ID: C29798-1
Matrix: SO - Soil
Project: 12130196 Bremerton, WA

Date Sampled: 09/16/13
Date Received: 09/18/13
Percent Solids: n/a [a]

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 1.9	1.9	mg/kg	1	09/23/13	09/24/13	RS	SW846 6010B [2]	SW846 3050B [4]
Barium	54.0	19	mg/kg	1	09/23/13	09/24/13	RS	SW846 6010B [2]	SW846 3050B [4]
Cadmium	< 0.93	0.93	mg/kg	1	09/23/13	09/24/13	RS	SW846 6010B [2]	SW846 3050B [4]
Chromium	22.7	0.93	mg/kg	1	09/23/13	09/24/13	RS	SW846 6010B [2]	SW846 3050B [4]
Lead	3.4	1.9	mg/kg	1	09/23/13	09/24/13	RS	SW846 6010B [2]	SW846 3050B [4]
Mercury	< 0.040	0.040	mg/kg	1	09/19/13	09/19/13	TI	SW846 7471A [1]	SW846 7471A [3]
Selenium	< 1.9	1.9	mg/kg	1	09/23/13	09/24/13	RS	SW846 6010B [2]	SW846 3050B [4]
Silver	< 0.93	0.93	mg/kg	1	09/23/13	09/24/13	RS	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA3457
(2) Instrument QC Batch: MA3469
(3) Prep QC Batch: MP6738
(4) Prep QC Batch: MP6751

(a) All results reported on a wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	B-2 (18-20)		
Lab Sample ID:	C29798-2	**Date Sampled:**	09/16/13
Matrix:	SO - Soil	**Date Received:**	09/18/13
Method:	SW846 8260B	**Percent Solids:**	n/a [a]
Project:	12130196 Bremerton, WA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L27497.D	1	09/18/13	XB	n/a	n/a	VL870
Run #2							

	Initial Weight
Run #1	6.73 g
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	0.030	0.0074	mg/kg	
71-43-2	Benzene	ND	0.0037	0.00037	mg/kg	
108-86-1	Bromobenzene	ND	0.0037	0.00037	mg/kg	
74-97-5	Bromochloromethane	ND	0.0037	0.00037	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0037	0.00037	mg/kg	
75-25-2	Bromoform	ND	0.0037	0.00037	mg/kg	
104-51-8	n-Butylbenzene	ND	0.0037	0.00037	mg/kg	
135-98-8	sec-Butylbenzene	ND	0.0037	0.00037	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0037	0.00037	mg/kg	
108-90-7	Chlorobenzene	ND	0.0037	0.00037	mg/kg	
75-00-3	Chloroethane	ND	0.0037	0.00074	mg/kg	
67-66-3	Chloroform	ND	0.0037	0.00037	mg/kg	
95-49-8	o-Chlorotoluene	ND	0.0037	0.00037	mg/kg	
106-43-4	p-Chlorotoluene	ND	0.0037	0.00037	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0037	0.00037	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0037	0.00037	mg/kg	
75-35-4	1,1-Dichloroethylene	ND	0.0037	0.00037	mg/kg	
563-58-6	1,1-Dichloropropene	ND	0.0037	0.00037	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0037	0.0010	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0037	0.00037	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0037	0.00037	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0037	0.00037	mg/kg	
142-28-9	1,3-Dichloropropane	ND	0.0037	0.00037	mg/kg	
108-20-3	Di-Isopropyl ether	ND	0.0037	0.00037	mg/kg	
594-20-7	2,2-Dichloropropane	ND	0.0037	0.00037	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0037	0.00037	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0037	0.00074	mg/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	0.0037	0.00082	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0037	0.00037	mg/kg	
541-73-1	m-Dichlorobenzene	ND	0.0037	0.00037	mg/kg	
95-50-1	o-Dichlorobenzene	ND	0.0037	0.00037	mg/kg	
106-46-7	p-Dichlorobenzene	ND	0.0037	0.00037	mg/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: B-2 (18-20)
Lab Sample ID: C29798-2
Matrix: SO - Soil
Method: SW846 8260B
Project: 12130196 Bremerton, WA

Date Sampled: 09/16/13
Date Received: 09/18/13
Percent Solids: n/a [a]

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	0.0037	0.00037	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0037	0.00037	mg/kg	
100-41-4	Ethylbenzene	ND	0.0037	0.00037	mg/kg	
637-92-3	Ethyl tert-Butyl Ether	ND	0.0037	0.00037	mg/kg	
591-78-6	2-Hexanone	ND	0.015	0.0015	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.0037	0.00074	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0037	0.00037	mg/kg	
99-87-6	p-Isopropyltoluene	ND	0.0037	0.00037	mg/kg	
108-10-1	4-Methyl-2-pentanone	ND	0.015	0.0015	mg/kg	
74-83-9	Methyl bromide	ND	0.0037	0.00074	mg/kg	
74-87-3	Methyl chloride	ND	0.0037	0.00074	mg/kg	
74-95-3	Methylene bromide	ND	0.0037	0.00037	mg/kg	
75-09-2	Methylene chloride	ND	0.015	0.0037	mg/kg	
78-93-3	Methyl ethyl ketone	ND	0.015	0.0015	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0037	0.00074	mg/kg	
91-20-3	Naphthalene	ND	0.0037	0.00074	mg/kg	
103-65-1	n-Propylbenzene	ND	0.0037	0.00037	mg/kg	
100-42-5	Styrene	ND	0.0037	0.00037	mg/kg	
994-05-8	Tert-Amyl Methyl Ether	ND	0.0037	0.00037	mg/kg	
75-65-0	Tert Butyl Alcohol	ND	0.030	0.0074	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.0037	0.00037	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0037	0.00037	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0037	0.00037	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0037	0.00037	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0037	0.00037	mg/kg	
96-18-4	1,2,3-Trichloropropane	ND	0.0037	0.00074	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0037	0.00037	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0037	0.00074	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0037	0.00074	mg/kg	
127-18-4	Tetrachloroethylene	ND	0.0037	0.00045	mg/kg	
108-88-3	Toluene	ND	0.0037	0.00037	mg/kg	
79-01-6	Trichloroethylene	ND	0.0037	0.00037	mg/kg	
75-69-4	Trichlorofluoromethane [b]	ND	0.0037	0.00074	mg/kg	
75-01-4	Vinyl chloride	ND	0.0037	0.00074	mg/kg	
1330-20-7	Xylene (total)	ND	0.0074	0.00074	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		70-130%
2037-26-5	Toluene-D8	95%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-2 (18-20)		
Lab Sample ID:	C29798-2	**Date Sampled:**	09/16/13
Matrix:	SO - Soil	**Date Received:**	09/18/13
Method:	SW846 8260B	**Percent Solids:**	n/a [a]
Project:	12130196 Bremerton, WA		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	103%		70-130%

(a) All results reported on a wet weight basis.
(b) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: B-2 (18-20)
Lab Sample ID: C29798-2
Matrix: SO - Soil
Method: SW846 8270C SW846 3550B
Project: 12130196 Bremerton, WA

Date Sampled: 09/16/13
Date Received: 09/18/13
Percent Solids: n/a [a]

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y22473.D	1	09/19/13	MT	09/19/13	OP8728	EY1042
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.17	0.073	mg/kg	
208-96-8	Acenaphthylene	ND	0.17	0.078	mg/kg	
120-12-7	Anthracene	ND	0.17	0.053	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.17	0.033	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.17	0.033	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.17	0.033	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.17	0.043	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.17	0.033	mg/kg	
218-01-9	Chrysene	ND	0.17	0.033	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.17	0.041	mg/kg	
206-44-0	Fluoranthene	ND	0.17	0.033	mg/kg	
86-73-7	Fluorene	ND	0.17	0.072	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.17	0.042	mg/kg	
90-12-0	1-Methylnaphthalene	ND	0.17	0.076	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.17	0.079	mg/kg	
91-20-3	Naphthalene	ND	0.17	0.077	mg/kg	
85-01-8	Phenanthrene	ND	0.17	0.058	mg/kg	
129-00-0	Pyrene	ND	0.17	0.033	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	56%		15-101%
321-60-8	2-Fluorobiphenyl	59%		15-104%
1718-51-0	Terphenyl-d14	90%		56-123%

(a) All results reported on a wet weight basis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-2 (18-20)		
Lab Sample ID:	C29798-2	**Date Sampled:**	09/16/13
Matrix:	SO - Soil	**Date Received:**	09/18/13
		Percent Solids:	n/a [a]
Project:	12130196 Bremerton, WA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 1.9	1.9	mg/kg	1	09/23/13	09/24/13	RS	SW846 6010B [2]	SW846 3050B [4]
Barium	43.1	19	mg/kg	1	09/23/13	09/24/13	RS	SW846 6010B [2]	SW846 3050B [4]
Cadmium	< 0.94	0.94	mg/kg	1	09/23/13	09/24/13	RS	SW846 6010B [2]	SW846 3050B [4]
Chromium	23.7	0.94	mg/kg	1	09/23/13	09/24/13	RS	SW846 6010B [2]	SW846 3050B [4]
Lead	< 1.9	1.9	mg/kg	1	09/23/13	09/24/13	RS	SW846 6010B [2]	SW846 3050B [4]
Mercury	< 0.040	0.040	mg/kg	1	09/19/13	09/19/13	TI	SW846 7471A [1]	SW846 7471A [3]
Selenium	< 1.9	1.9	mg/kg	1	09/23/13	09/24/13	RS	SW846 6010B [2]	SW846 3050B [4]
Silver	< 0.94	0.94	mg/kg	1	09/23/13	09/24/13	RS	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA3457
(2) Instrument QC Batch: MA3469
(3) Prep QC Batch: MP6738
(4) Prep QC Batch: MP6751

(a) All results reported on a wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	B-3 (10-12)		
Lab Sample ID:	C29798-3	**Date Sampled:**	09/16/13
Matrix:	SO - Soil	**Date Received:**	09/18/13
Method:	SW846 8260B	**Percent Solids:**	n/a [a]
Project:	12130196 Bremerton, WA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	L27543.D	1	09/19/13	XB	n/a	n/a	VL871
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.84 g	5.0 ml	10.0 ul
Run #2			

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	17	4.3	mg/kg	
71-43-2	Benzene	ND	2.1	0.21	mg/kg	
108-86-1	Bromobenzene	ND	2.1	0.21	mg/kg	
74-97-5	Bromochloromethane	ND	2.1	0.21	mg/kg	
75-27-4	Bromodichloromethane	ND	2.1	0.21	mg/kg	
75-25-2	Bromoform	ND	2.1	0.21	mg/kg	
104-51-8	n-Butylbenzene	ND	2.1	0.21	mg/kg	
135-98-8	sec-Butylbenzene	ND	2.1	0.21	mg/kg	
98-06-6	tert-Butylbenzene	ND	2.1	0.21	mg/kg	
108-90-7	Chlorobenzene	ND	2.1	0.21	mg/kg	
75-00-3	Chloroethane	ND	2.1	0.43	mg/kg	
67-66-3	Chloroform	ND	2.1	0.21	mg/kg	
95-49-8	o-Chlorotoluene	ND	2.1	0.21	mg/kg	
106-43-4	p-Chlorotoluene	ND	2.1	0.21	mg/kg	
56-23-5	Carbon tetrachloride	ND	2.1	0.21	mg/kg	
75-34-3	1,1-Dichloroethane	ND	2.1	0.21	mg/kg	
75-35-4	1,1-Dichloroethylene	ND	2.1	0.21	mg/kg	
563-58-6	1,1-Dichloropropene	ND	2.1	0.21	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.1	0.60	mg/kg	
106-93-4	1,2-Dibromoethane	ND	2.1	0.21	mg/kg	
107-06-2	1,2-Dichloroethane	ND	2.1	0.21	mg/kg	
78-87-5	1,2-Dichloropropane	ND	2.1	0.21	mg/kg	
142-28-9	1,3-Dichloropropane	ND	2.1	0.21	mg/kg	
108-20-3	Di-Isopropyl ether	ND	2.1	0.21	mg/kg	
594-20-7	2,2-Dichloropropane	ND	2.1	0.21	mg/kg	
124-48-1	Dibromochloromethane	ND	2.1	0.21	mg/kg	
75-71-8	Dichlorodifluoromethane [c]	ND	2.1	0.43	mg/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	2.1	0.47	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.1	0.21	mg/kg	
541-73-1	m-Dichlorobenzene	ND	2.1	0.21	mg/kg	
95-50-1	o-Dichlorobenzene	ND	2.1	0.21	mg/kg	
106-46-7	p-Dichlorobenzene	ND	2.1	0.21	mg/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: B-3 (10-12)
Lab Sample ID: C29798-3
Matrix: SO - Soil
Method: SW846 8260B
Project: 12130196 Bremerton, WA

Date Sampled: 09/16/13
Date Received: 09/18/13
Percent Solids: n/a [a]

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	2.1	0.21	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.1	0.21	mg/kg	
100-41-4	Ethylbenzene	0.264	2.1	0.21	mg/kg	J
637-92-3	Ethyl tert-Butyl Ether	ND	2.1	0.21	mg/kg	
591-78-6	2-Hexanone	ND	8.6	0.86	mg/kg	
87-68-3	Hexachlorobutadiene	ND	2.1	0.43	mg/kg	
98-82-8	Isopropylbenzene	ND	2.1	0.21	mg/kg	
99-87-6	p-Isopropyltoluene	0.225	2.1	0.21	mg/kg	J
108-10-1	4-Methyl-2-pentanone	ND	8.6	0.86	mg/kg	
74-83-9	Methyl bromide	ND	2.1	0.43	mg/kg	
74-87-3	Methyl chloride	ND	2.1	0.43	mg/kg	
74-95-3	Methylene bromide	ND	2.1	0.21	mg/kg	
75-09-2	Methylene chloride	ND	8.6	2.1	mg/kg	
78-93-3	Methyl ethyl ketone	ND	8.6	0.86	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.1	0.43	mg/kg	
91-20-3	Naphthalene	2.42	2.1	0.43	mg/kg	
103-65-1	n-Propylbenzene	0.637	2.1	0.21	mg/kg	J
100-42-5	Styrene	ND	2.1	0.21	mg/kg	
994-05-8	Tert-Amyl Methyl Ether	ND	2.1	0.21	mg/kg	
75-65-0	Tert Butyl Alcohol	ND	17	4.3	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.1	0.21	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.1	0.21	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.1	0.21	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.1	0.21	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	2.1	0.21	mg/kg	
96-18-4	1,2,3-Trichloropropane	ND	2.1	0.43	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	2.1	0.21	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	9.42	2.1	0.43	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	3.20	2.1	0.43	mg/kg	
127-18-4	Tetrachloroethylene	ND	2.1	0.26	mg/kg	
108-88-3	Toluene	ND	2.1	0.21	mg/kg	
79-01-6	Trichloroethylene	ND	2.1	0.21	mg/kg	
75-69-4	Trichlorofluoromethane	ND	2.1	0.43	mg/kg	
75-01-4	Vinyl chloride	ND	2.1	0.43	mg/kg	
1330-20-7	Xylene (total)	0.720	4.3	0.43	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		70-130%
2037-26-5	Toluene-D8	101%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-3 (10-12)		
Lab Sample ID:	C29798-3	**Date Sampled:**	09/16/13
Matrix:	SO - Soil	**Date Received:**	09/18/13
Method:	SW846 8260B	**Percent Solids:**	n/a [a]
Project:	12130196 Bremerton, WA		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	106%		70-130%

(a) All results reported on a wet weight basis.
(b) Dilution required due to high concentration of non-target hydrocarbons.
(c) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: B-3 (10-12)
Lab Sample ID: C29798-3
Matrix: SO - Soil
Method: SW846 8270C SW846 3550B
Project: 12130196 Bremerton, WA

Date Sampled: 09/16/13
Date Received: 09/18/13
Percent Solids: n/a [a]

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y22474.D	1	09/19/13	MT	09/19/13	OP8728	EY1042
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.17	0.072	mg/kg	
208-96-8	Acenaphthylene	ND	0.17	0.077	mg/kg	
120-12-7	Anthracene	ND	0.17	0.053	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.17	0.033	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.17	0.033	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.17	0.033	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.17	0.043	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.17	0.033	mg/kg	
218-01-9	Chrysene	ND	0.17	0.033	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.17	0.041	mg/kg	
206-44-0	Fluoranthene	ND	0.17	0.033	mg/kg	
86-73-7	Fluorene	ND	0.17	0.072	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.17	0.042	mg/kg	
90-12-0	1-Methylnaphthalene	0.488	0.17	0.076	mg/kg	
91-57-6	2-Methylnaphthalene	1.24	0.17	0.079	mg/kg	
91-20-3	Naphthalene	0.276	0.17	0.076	mg/kg	
85-01-8	Phenanthrene	ND	0.17	0.058	mg/kg	
129-00-0	Pyrene	ND	0.17	0.033	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	49%		15-101%
321-60-8	2-Fluorobiphenyl	58%		15-104%
1718-51-0	Terphenyl-d14	73%		56-123%

(a) All results reported on a wet weight basis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-3 (10-12)		
Lab Sample ID:	C29798-3	**Date Sampled:**	09/16/13
Matrix:	SO - Soil	**Date Received:**	09/18/13
		Percent Solids:	n/a [a]
Project:	12130196 Bremerton, WA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.1	1.9	mg/kg	1	09/23/13	09/24/13	RS	SW846 6010B [2]	SW846 3050B [4]
Barium	62.4	19	mg/kg	1	09/23/13	09/24/13	RS	SW846 6010B [2]	SW846 3050B [4]
Cadmium	< 0.93	0.93	mg/kg	1	09/23/13	09/24/13	RS	SW846 6010B [2]	SW846 3050B [4]
Chromium	25.7	0.93	mg/kg	1	09/23/13	09/24/13	RS	SW846 6010B [2]	SW846 3050B [4]
Lead	3.6	1.9	mg/kg	1	09/23/13	09/24/13	RS	SW846 6010B [2]	SW846 3050B [4]
Mercury	< 0.038	0.038	mg/kg	1	09/19/13	09/19/13	TI	SW846 7471A [1]	SW846 7471A [3]
Selenium	< 1.9	1.9	mg/kg	1	09/23/13	09/24/13	RS	SW846 6010B [2]	SW846 3050B [4]
Silver	< 0.93	0.93	mg/kg	1	09/23/13	09/24/13	RS	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA3457
(2) Instrument QC Batch: MA3469
(3) Prep QC Batch: MP6738
(4) Prep QC Batch: MP6751

(a) All results reported on a wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID: B-4 (10-12)
Lab Sample ID: C29798-4
Matrix: SO - Soil
Method: SW846 8260B
Project: 12130196 Bremerton, WA

Date Sampled: 09/16/13
Date Received: 09/18/13
Percent Solids: n/a [a]

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L27535.D	1	09/19/13	XB	n/a	n/a	VL871
Run #2	L27573.D	1	09/20/13	XB	n/a	n/a	VL872

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.93 g		
Run #2	5.86 g	5.0 ml	100 ul

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0108	0.034	0.0084	mg/kg	J
71-43-2	Benzene	ND	0.0042	0.00042	mg/kg	
108-86-1	Bromobenzene	ND	0.0042	0.00042	mg/kg	
74-97-5	Bromochloromethane	ND	0.0042	0.00042	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0042	0.00042	mg/kg	
75-25-2	Bromoform	ND	0.0042	0.00042	mg/kg	
104-51-8	n-Butylbenzene	ND	0.0042	0.00042	mg/kg	
135-98-8	sec-Butylbenzene	0.0020	0.0042	0.00042	mg/kg	J
98-06-6	tert-Butylbenzene	ND	0.0042	0.00042	mg/kg	
108-90-7	Chlorobenzene	ND	0.0042	0.00042	mg/kg	
75-00-3	Chloroethane	ND	0.0042	0.00084	mg/kg	
67-66-3	Chloroform	ND	0.0042	0.00042	mg/kg	
95-49-8	o-Chlorotoluene	ND	0.0042	0.00042	mg/kg	
106-43-4	p-Chlorotoluene	ND	0.0042	0.00042	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0042	0.00042	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0042	0.00042	mg/kg	
75-35-4	1,1-Dichloroethylene	ND	0.0042	0.00042	mg/kg	
563-58-6	1,1-Dichloropropene	ND	0.0042	0.00042	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0042	0.0012	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0042	0.00042	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0042	0.00042	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0042	0.00042	mg/kg	
142-28-9	1,3-Dichloropropane	ND	0.0042	0.00042	mg/kg	
108-20-3	Di-Isopropyl ether	ND	0.0042	0.00042	mg/kg	
594-20-7	2,2-Dichloropropane	ND	0.0042	0.00042	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0042	0.00042	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0042	0.00084	mg/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	0.0042	0.00093	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0042	0.00042	mg/kg	
541-73-1	m-Dichlorobenzene	ND	0.0042	0.00042	mg/kg	
95-50-1	o-Dichlorobenzene	ND	0.0042	0.00042	mg/kg	
106-46-7	p-Dichlorobenzene	ND	0.0042	0.00042	mg/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: B-4 (10-12)
Lab Sample ID: C29798-4
Matrix: SO - Soil
Method: SW846 8260B
Project: 12130196 Bremerton, WA

Date Sampled: 09/16/13
Date Received: 09/18/13
Percent Solids: n/a [a]

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	0.0042	0.00042	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0042	0.00042	mg/kg	
100-41-4	Ethylbenzene	0.0115	0.0042	0.00042	mg/kg	
637-92-3	Ethyl tert-Butyl Ether	ND	0.0042	0.00042	mg/kg	
591-78-6	2-Hexanone	ND	0.017	0.0017	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.0042	0.00084	mg/kg	
98-82-8	Isopropylbenzene	0.0054	0.0042	0.00042	mg/kg	
99-87-6	p-Isopropyltoluene	0.0017	0.0042	0.00042	mg/kg	J
108-10-1	4-Methyl-2-pentanone	ND	0.017	0.0017	mg/kg	
74-83-9	Methyl bromide	ND	0.0042	0.00084	mg/kg	
74-87-3	Methyl chloride	ND	0.0042	0.00084	mg/kg	
74-95-3	Methylene bromide	ND	0.0042	0.00042	mg/kg	
75-09-2	Methylene chloride	ND	0.017	0.0042	mg/kg	
78-93-3	Methyl ethyl ketone	ND	0.017	0.0017	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0042	0.00084	mg/kg	
91-20-3	Naphthalene	0.164 [b]	0.21	0.043	mg/kg	J
103-65-1	n-Propylbenzene	0.0209	0.0042	0.00042	mg/kg	
100-42-5	Styrene	ND	0.0042	0.00042	mg/kg	
994-05-8	Tert-Amyl Methyl Ether	ND	0.0042	0.00042	mg/kg	
75-65-0	Tert Butyl Alcohol	ND	0.034	0.0084	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.0042	0.00042	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0042	0.00042	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0042	0.00042	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0042	0.00042	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0042	0.00042	mg/kg	
96-18-4	1,2,3-Trichloropropane	ND	0.0042	0.00084	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0042	0.00042	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	0.134 [b]	0.21	0.043	mg/kg	J
108-67-8	1,3,5-Trimethylbenzene	0.0831	0.0042	0.00084	mg/kg	
127-18-4	Tetrachloroethylene	ND	0.0042	0.00051	mg/kg	
108-88-3	Toluene	0.0084	0.0042	0.00042	mg/kg	
79-01-6	Trichloroethylene	ND	0.0042	0.00042	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0042	0.00084	mg/kg	
75-01-4	Vinyl chloride	ND	0.0042	0.00084	mg/kg	
1330-20-7	Xylene (total)	0.166 [b]	0.43	0.043	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%	101%	70-130%
2037-26-5	Toluene-D8	101%	98%	70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-4 (10-12)		
Lab Sample ID:	C29798-4	**Date Sampled:**	09/16/13
Matrix:	SO - Soil	**Date Received:**	09/18/13
Method:	SW846 8260B	**Percent Solids:**	n/a [a]
Project:	12130196 Bremerton, WA		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	108%	104%	70-130%

(a) All results reported on a wet weight basis.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-4 (10-12)		
Lab Sample ID:	C29798-4	**Date Sampled:**	09/16/13
Matrix:	SO - Soil	**Date Received:**	09/18/13
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	n/a [a]
Project:	12130196 Bremerton, WA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [b]	Y22482.D	2	09/19/13	MT	09/19/13	OP8728	EY1042
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.33	0.15	mg/kg	
208-96-8	Acenaphthylene	ND	0.33	0.16	mg/kg	
120-12-7	Anthracene	ND	0.33	0.11	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.33	0.066	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.33	0.066	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.33	0.066	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.33	0.086	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.33	0.066	mg/kg	
218-01-9	Chrysene	ND	0.33	0.066	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.33	0.082	mg/kg	
206-44-0	Fluoranthene	ND	0.33	0.066	mg/kg	
86-73-7	Fluorene	ND	0.33	0.14	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.33	0.085	mg/kg	
90-12-0	1-Methylnaphthalene	1.06	0.33	0.15	mg/kg	
91-57-6	2-Methylnaphthalene	2.76	0.33	0.16	mg/kg	
91-20-3	Naphthalene	0.890	0.33	0.15	mg/kg	
85-01-8	Phenanthrene	ND	0.33	0.12	mg/kg	
129-00-0	Pyrene	ND	0.33	0.066	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	47%		15-101%
321-60-8	2-Fluorobiphenyl	58%		15-104%
1718-51-0	Terphenyl-d14	81%		56-123%

(a) All results reported on a wet weight basis.
(b) Dilution required due to matrix interference (dark and viscous extract; high concentration of non-target hydrocarbons).

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-4 (10-12)		
Lab Sample ID:	C29798-4	**Date Sampled:**	09/16/13
Matrix:	SO - Soil	**Date Received:**	09/18/13
		Percent Solids:	n/a [a]
Project:	12130196 Bremerton, WA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	1.8	1.8	mg/kg	1	09/23/13	09/24/13	RS	SW846 6010B [2]	SW846 3050B [4]
Barium	56.3	18	mg/kg	1	09/23/13	09/24/13	RS	SW846 6010B [2]	SW846 3050B [4]
Cadmium	< 0.88	0.88	mg/kg	1	09/23/13	09/24/13	RS	SW846 6010B [2]	SW846 3050B [4]
Chromium	25.1	0.88	mg/kg	1	09/23/13	09/24/13	RS	SW846 6010B [2]	SW846 3050B [4]
Lead	18.7	1.8	mg/kg	1	09/23/13	09/24/13	RS	SW846 6010B [2]	SW846 3050B [4]
Mercury	< 0.041	0.041	mg/kg	1	09/19/13	09/19/13	TI	SW846 7471A [1]	SW846 7471A [3]
Selenium	< 1.8	1.8	mg/kg	1	09/23/13	09/24/13	RS	SW846 6010B [2]	SW846 3050B [4]
Silver	< 0.88	0.88	mg/kg	1	09/23/13	09/24/13	RS	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA3457
(2) Instrument QC Batch: MA3469
(3) Prep QC Batch: MP6738
(4) Prep QC Batch: MP6751

(a) All results reported on a wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	B-5 (10-12)		
Lab Sample ID:	C29798-5	**Date Sampled:**	09/16/13
Matrix:	SO - Soil	**Date Received:**	09/18/13
Method:	SW846 8260B	**Percent Solids:**	n/a [a]
Project:	12130196 Bremerton, WA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L27498.D	1	09/18/13	XB	n/a	n/a	VL870
Run #2							

	Initial Weight
Run #1	5.80 g
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	0.034	0.0086	mg/kg	
71-43-2	Benzene	ND	0.0043	0.00043	mg/kg	
108-86-1	Bromobenzene	ND	0.0043	0.00043	mg/kg	
74-97-5	Bromochloromethane	ND	0.0043	0.00043	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0043	0.00043	mg/kg	
75-25-2	Bromoform	ND	0.0043	0.00043	mg/kg	
104-51-8	n-Butylbenzene	ND	0.0043	0.00043	mg/kg	
135-98-8	sec-Butylbenzene	ND	0.0043	0.00043	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0043	0.00043	mg/kg	
108-90-7	Chlorobenzene	ND	0.0043	0.00043	mg/kg	
75-00-3	Chloroethane	ND	0.0043	0.00086	mg/kg	
67-66-3	Chloroform	ND	0.0043	0.00043	mg/kg	
95-49-8	o-Chlorotoluene	ND	0.0043	0.00043	mg/kg	
106-43-4	p-Chlorotoluene	ND	0.0043	0.00043	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0043	0.00043	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0043	0.00043	mg/kg	
75-35-4	1,1-Dichloroethylene	ND	0.0043	0.00043	mg/kg	
563-58-6	1,1-Dichloropropene	ND	0.0043	0.00043	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0043	0.0012	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0043	0.00043	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0043	0.00043	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0043	0.00043	mg/kg	
142-28-9	1,3-Dichloropropane	ND	0.0043	0.00043	mg/kg	
108-20-3	Di-Isopropyl ether	ND	0.0043	0.00043	mg/kg	
594-20-7	2,2-Dichloropropane	ND	0.0043	0.00043	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0043	0.00043	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0043	0.00086	mg/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	0.0043	0.00095	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0043	0.00043	mg/kg	
541-73-1	m-Dichlorobenzene	ND	0.0043	0.00043	mg/kg	
95-50-1	o-Dichlorobenzene	ND	0.0043	0.00043	mg/kg	
106-46-7	p-Dichlorobenzene	ND	0.0043	0.00043	mg/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: B-5 (10-12)
Lab Sample ID: C29798-5
Matrix: SO - Soil
Method: SW846 8260B
Project: 12130196 Bremerton, WA

Date Sampled: 09/16/13
Date Received: 09/18/13
Percent Solids: n/a [a]

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	0.0043	0.00043	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0043	0.00043	mg/kg	
100-41-4	Ethylbenzene	ND	0.0043	0.00043	mg/kg	
637-92-3	Ethyl tert-Butyl Ether	ND	0.0043	0.00043	mg/kg	
591-78-6	2-Hexanone	ND	0.017	0.0017	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.0043	0.00086	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0043	0.00043	mg/kg	
99-87-6	p-Isopropyltoluene	ND	0.0043	0.00043	mg/kg	
108-10-1	4-Methyl-2-pentanone	ND	0.017	0.0017	mg/kg	
74-83-9	Methyl bromide	ND	0.0043	0.00086	mg/kg	
74-87-3	Methyl chloride	ND	0.0043	0.00086	mg/kg	
74-95-3	Methylene bromide	ND	0.0043	0.00043	mg/kg	
75-09-2	Methylene chloride	ND	0.017	0.0043	mg/kg	
78-93-3	Methyl ethyl ketone	ND	0.017	0.0017	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0043	0.00086	mg/kg	
91-20-3	Naphthalene	ND	0.0043	0.00086	mg/kg	
103-65-1	n-Propylbenzene	ND	0.0043	0.00043	mg/kg	
100-42-5	Styrene	ND	0.0043	0.00043	mg/kg	
994-05-8	Tert-Amyl Methyl Ether	ND	0.0043	0.00043	mg/kg	
75-65-0	Tert Butyl Alcohol	ND	0.034	0.0086	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.0043	0.00043	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0043	0.00043	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0043	0.00043	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0043	0.00043	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0043	0.00043	mg/kg	
96-18-4	1,2,3-Trichloropropane	ND	0.0043	0.00086	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0043	0.00043	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0043	0.00086	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0043	0.00086	mg/kg	
127-18-4	Tetrachloroethylene	ND	0.0043	0.00052	mg/kg	
108-88-3	Toluene	ND	0.0043	0.00043	mg/kg	
79-01-6	Trichloroethylene	ND	0.0043	0.00043	mg/kg	
75-69-4	Trichlorofluoromethane [b]	ND	0.0043	0.00086	mg/kg	
75-01-4	Vinyl chloride	ND	0.0043	0.00086	mg/kg	
1330-20-7	Xylene (total)	ND	0.0086	0.00086	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		70-130%
2037-26-5	Toluene-D8	94%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-5 (10-12)		
Lab Sample ID:	C29798-5	**Date Sampled:**	09/16/13
Matrix:	SO - Soil	**Date Received:**	09/18/13
Method:	SW846 8260B	**Percent Solids:**	n/a [a]
Project:	12130196 Bremerton, WA		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	106%		70-130%

(a) All results reported on a wet weight basis.
(b) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-5 (10-12)		
Lab Sample ID:	C29798-5	**Date Sampled:**	09/16/13
Matrix:	SO - Soil	**Date Received:**	09/18/13
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	n/a [a]
Project:	12130196 Bremerton, WA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y22472.D	1	09/19/13	MT	09/19/13	OP8728	EY1042
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.17	0.073	mg/kg	
208-96-8	Acenaphthylene	ND	0.17	0.078	mg/kg	
120-12-7	Anthracene	ND	0.17	0.054	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.17	0.033	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.17	0.033	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.17	0.033	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.17	0.043	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.17	0.033	mg/kg	
218-01-9	Chrysene	ND	0.17	0.033	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.17	0.041	mg/kg	
206-44-0	Fluoranthene	ND	0.17	0.033	mg/kg	
86-73-7	Fluorene	ND	0.17	0.072	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.17	0.043	mg/kg	
90-12-0	1-Methylnaphthalene	ND	0.17	0.076	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.17	0.080	mg/kg	
91-20-3	Naphthalene	ND	0.17	0.077	mg/kg	
85-01-8	Phenanthrene	ND	0.17	0.058	mg/kg	
129-00-0	Pyrene	ND	0.17	0.033	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	44%		15-101%
321-60-8	2-Fluorobiphenyl	48%		15-104%
1718-51-0	Terphenyl-d14	80%		56-123%

(a) All results reported on a wet weight basis.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-5 (10-12)		
Lab Sample ID:	C29798-5	**Date Sampled:**	09/16/13
Matrix:	SO - Soil	**Date Received:**	09/18/13
		Percent Solids:	n/a [a]
Project:	12130196 Bremerton, WA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 1.9	1.9	mg/kg	1	09/23/13	09/24/13	RS	SW846 6010B [2]	SW846 3050B [4]
Barium	55.8	19	mg/kg	1	09/23/13	09/24/13	RS	SW846 6010B [2]	SW846 3050B [4]
Cadmium	< 0.93	0.93	mg/kg	1	09/23/13	09/24/13	RS	SW846 6010B [2]	SW846 3050B [4]
Chromium	25.3	0.93	mg/kg	1	09/23/13	09/24/13	RS	SW846 6010B [2]	SW846 3050B [4]
Lead	3.0	1.9	mg/kg	1	09/23/13	09/24/13	RS	SW846 6010B [2]	SW846 3050B [4]
Mercury	< 0.038	0.038	mg/kg	1	09/19/13	09/19/13	TI	SW846 7471A [1]	SW846 7471A [3]
Selenium	< 1.9	1.9	mg/kg	1	09/23/13	09/24/13	RS	SW846 6010B [2]	SW846 3050B [4]
Silver	< 0.93	0.93	mg/kg	1	09/23/13	09/24/13	RS	SW846 6010B [2]	SW846 3050B [4]

(1) Instrument QC Batch: MA3457
(2) Instrument QC Batch: MA3469
(3) Prep QC Batch: MP6738
(4) Prep QC Batch: MP6751

(a) All results reported on a wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	B-1 GW		
Lab Sample ID:	C29798-6	**Date Sampled:**	09/16/13
Matrix:	AQ - Ground Water	**Date Received:**	09/18/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	12130196 Bremerton, WA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W42023.D	1	09/25/13	BD	n/a	n/a	VW1483
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-1 GW		
Lab Sample ID:	C29798-6	**Date Sampled:**	09/16/13
Matrix:	AQ - Ground Water	**Date Received:**	09/18/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	12130196 Bremerton, WA		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	16.7	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		70-130%
2037-26-5	Toluene-D8	109%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-1 GW		
Lab Sample ID:	C29798-6	**Date Sampled:**	09/16/13
Matrix:	AQ - Ground Water	**Date Received:**	09/18/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	12130196 Bremerton, WA		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	94%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-1 GW		
Lab Sample ID:	C29798-6	**Date Sampled:**	09/16/13
Matrix:	AQ - Ground Water	**Date Received:**	09/18/13
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	12130196 Bremerton, WA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y22451.D	1	09/18/13	MT	09/18/13	OP8723	EY1041
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	4.8	1.3	ug/l	
208-96-8	Acenaphthylene	ND	4.8	1.1	ug/l	
120-12-7	Anthracene	ND	4.8	1.2	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	1.4	ug/l	
50-32-8	Benzo(a)pyrene	1.1	4.8	1.0	ug/l	J
205-99-2	Benzo(b)fluoranthene	ND	4.8	1.3	ug/l	
191-24-2	Benzo(g,h,i)perylene	1.8	4.8	1.4	ug/l	J
207-08-9	Benzo(k)fluoranthene	ND	4.8	1.3	ug/l	
218-01-9	Chrysene	ND	4.8	1.6	ug/l	
53-70-3	Dibenzo(a,h)anthracene	1.6	4.8	1.2	ug/l	J
206-44-0	Fluoranthene	ND	4.8	1.4	ug/l	
86-73-7	Fluorene	ND	4.8	1.4	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	1.4	4.8	1.3	ug/l	J
90-12-0	1-Methylnaphthalene	ND	4.8	1.2	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	1.3	ug/l	
91-20-3	Naphthalene	ND	4.8	1.2	ug/l	
85-01-8	Phenanthrene	ND	4.8	1.3	ug/l	
129-00-0	Pyrene	ND	4.8	1.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	63%		27-112%
321-60-8	2-Fluorobiphenyl	67%		27-112%
1718-51-0	Terphenyl-d14	88%		45-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-1 GW		
Lab Sample ID:	C29798-6F	**Date Sampled:**	09/16/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	09/18/13
		Percent Solids:	n/a
Project:	12130196 Bremerton, WA		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 10	10	ug/l	1	09/22/13	09/24/13	RS	SW846 6010B [2]	SW3010A [4]
Barium	< 200	200	ug/l	1	09/22/13	09/24/13	RS	SW846 6010B [2]	SW3010A [4]
Cadmium	< 2.0	2.0	ug/l	1	09/22/13	09/24/13	RS	SW846 6010B [2]	SW3010A [4]
Chromium	< 10	10	ug/l	1	09/22/13	09/24/13	RS	SW846 6010B [2]	SW3010A [4]
Lead	< 10	10	ug/l	1	09/22/13	09/24/13	RS	SW846 6010B [2]	SW3010A [4]
Mercury	< 0.20	0.20	ug/l	1	09/20/13	09/20/13	TI	SW846 7470A [1]	EPA 245.1/SW7470A [3]
Selenium	< 10	10	ug/l	1	09/22/13	09/24/13	RS	SW846 6010B [2]	SW3010A [4]
Silver	< 5.0	5.0	ug/l	1	09/22/13	09/24/13	RS	SW846 6010B [2]	SW3010A [4]

(1) Instrument QC Batch: MA3462
(2) Instrument QC Batch: MA3469
(3) Prep QC Batch: MP6743
(4) Prep QC Batch: MP6747

RL = Reporting Limit

Report of Analysis

Client Sample ID:	B-2 GW		
Lab Sample ID:	C29798-7	**Date Sampled:**	09/16/13
Matrix:	AQ - Ground Water	**Date Received:**	09/18/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	12130196 Bremerton, WA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W42024.D	1	09/25/13	BD	n/a	n/a	VW1483
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	0.57	1.0	0.20	ug/l	J
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-2 GW		
Lab Sample ID:	C29798-7	**Date Sampled:**	09/16/13
Matrix:	AQ - Ground Water	**Date Received:**	09/18/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	12130196 Bremerton, WA		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	29.7	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	0.34	1.0	0.20	ug/l	J
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		70-130%
2037-26-5	Toluene-D8	109%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-2 GW		
Lab Sample ID:	C29798-7	**Date Sampled:**	09/16/13
Matrix:	AQ - Ground Water	**Date Received:**	09/18/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	12130196 Bremerton, WA		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	94%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-2 GW		
Lab Sample ID:	C29798-7	**Date Sampled:**	09/16/13
Matrix:	AQ - Ground Water	**Date Received:**	09/18/13
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	12130196 Bremerton, WA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y22452.D	1	09/18/13	MT	09/18/13	OP8723	EY1041
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	4.8	1.3	ug/l	
208-96-8	Acenaphthylene	ND	4.8	1.1	ug/l	
120-12-7	Anthracene	ND	4.8	1.2	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	1.4	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	1.3	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.4	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	1.3	ug/l	
218-01-9	Chrysene	ND	4.8	1.6	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.2	ug/l	
206-44-0	Fluoranthene	ND	4.8	1.4	ug/l	
86-73-7	Fluorene	ND	4.8	1.4	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.3	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.8	1.2	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	1.3	ug/l	
91-20-3	Naphthalene	ND	4.8	1.2	ug/l	
85-01-8	Phenanthrene	ND	4.8	1.3	ug/l	
129-00-0	Pyrene	ND	4.8	1.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	67%		27-112%
321-60-8	2-Fluorobiphenyl	71%		27-112%
1718-51-0	Terphenyl-d14	91%		45-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-2 GW		
Lab Sample ID:	C29798-7F	**Date Sampled:**	09/16/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	09/18/13
		Percent Solids:	n/a
Project:	12130196 Bremerton, WA		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 10	10	ug/l	1	09/22/13	09/24/13	RS	SW846 6010B [2]	SW3010A [4]
Barium	< 200	200	ug/l	1	09/22/13	09/24/13	RS	SW846 6010B [2]	SW3010A [4]
Cadmium	< 2.0	2.0	ug/l	1	09/22/13	09/24/13	RS	SW846 6010B [2]	SW3010A [4]
Chromium	< 10	10	ug/l	1	09/22/13	09/24/13	RS	SW846 6010B [2]	SW3010A [4]
Lead	< 10	10	ug/l	1	09/22/13	09/24/13	RS	SW846 6010B [2]	SW3010A [4]
Mercury	< 0.20	0.20	ug/l	1	09/20/13	09/20/13	TI	SW846 7470A [1]	EPA 245.1/SW7470A [3]
Selenium	< 10	10	ug/l	1	09/22/13	09/24/13	RS	SW846 6010B [2]	SW3010A [4]
Silver	< 5.0	5.0	ug/l	1	09/22/13	09/24/13	RS	SW846 6010B [2]	SW3010A [4]

(1) Instrument QC Batch: MA3462
(2) Instrument QC Batch: MA3469
(3) Prep QC Batch: MP6743
(4) Prep QC Batch: MP6747

RL = Reporting Limit

Report of Analysis

Client Sample ID: B-3 GW
Lab Sample ID: C29798-8
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: 12130196 Bremerton, WA

Date Sampled: 09/16/13
Date Received: 09/18/13
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W42025.D	20	09/25/13	BD	n/a	n/a	VW1483
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	400	80	ug/l	
71-43-2	Benzene	79.0	20	4.0	ug/l	
108-86-1	Bromobenzene	ND	20	4.0	ug/l	
74-97-5	Bromochloromethane	ND	20	4.0	ug/l	
75-27-4	Bromodichloromethane	ND	20	4.0	ug/l	
75-25-2	Bromoform	ND	20	4.4	ug/l	
104-51-8	n-Butylbenzene	ND	40	4.0	ug/l	
135-98-8	sec-Butylbenzene	7.0	40	4.0	ug/l	J
98-06-6	tert-Butylbenzene	ND	40	5.6	ug/l	
108-90-7	Chlorobenzene	ND	20	4.0	ug/l	
75-00-3	Chloroethane	ND	20	4.0	ug/l	
67-66-3	Chloroform	ND	20	4.0	ug/l	
95-49-8	o-Chlorotoluene	ND	40	4.0	ug/l	
106-43-4	p-Chlorotoluene	ND	40	5.2	ug/l	
56-23-5	Carbon tetrachloride	ND	20	4.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	20	4.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	20	4.0	ug/l	
563-58-6	1,1-Dichloropropene	ND	20	4.0	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	40	8.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	20	4.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	20	4.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	20	4.0	ug/l	
142-28-9	1,3-Dichloropropane	ND	20	4.0	ug/l	
108-20-3	Di-Isopropyl ether	ND	40	4.4	ug/l	
594-20-7	2,2-Dichloropropane	ND	20	4.0	ug/l	
124-48-1	Dibromochloromethane	ND	20	4.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	20	4.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	20	4.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	20	4.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	20	4.0	ug/l	
95-50-1	o-Dichlorobenzene	ND	20	4.0	ug/l	
106-46-7	p-Dichlorobenzene	ND	20	4.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: B-3 GW
Lab Sample ID: C29798-8
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: 12130196 Bremerton, WA

Date Sampled: 09/16/13
Date Received: 09/18/13
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	20	4.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	20	6.0	ug/l	
100-41-4	Ethylbenzene	566	20	4.0	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	40	4.4	ug/l	
591-78-6	2-Hexanone	ND	200	40	ug/l	
87-68-3	Hexachlorobutadiene	ND	40	4.0	ug/l	
98-82-8	Isopropylbenzene	31.3	20	4.0	ug/l	
99-87-6	p-Isopropyltoluene	7.5	40	4.0	ug/l	J
108-10-1	4-Methyl-2-pentanone	ND	200	20	ug/l	
74-83-9	Methyl bromide	ND	40	4.0	ug/l	
74-87-3	Methyl chloride	ND	20	6.0	ug/l	
74-95-3	Methylene bromide	ND	20	4.0	ug/l	
75-09-2	Methylene chloride	ND	200	40	ug/l	
78-93-3	Methyl ethyl ketone	ND	200	40	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	20	4.0	ug/l	
91-20-3	Naphthalene	601	100	10	ug/l	
103-65-1	n-Propylbenzene	97.9	40	4.0	ug/l	
100-42-5	Styrene	ND	20	4.0	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	40	8.0	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	200	48	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	20	6.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	20	4.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	4.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	20	4.4	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	40	4.0	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	40	4.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	40	4.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	1160	40	4.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	284	40	4.0	ug/l	
127-18-4	Tetrachloroethylene	131	20	6.0	ug/l	
108-88-3	Toluene	432	20	4.0	ug/l	
79-01-6	Trichloroethylene	ND	20	4.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	20	4.0	ug/l	
75-01-4	Vinyl chloride	ND	20	4.0	ug/l	
1330-20-7	Xylene (total)	3060	40	9.2	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		70-130%
2037-26-5	Toluene-D8	107%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-3 GW		
Lab Sample ID:	C29798-8	**Date Sampled:**	09/16/13
Matrix:	AQ - Ground Water	**Date Received:**	09/18/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	12130196 Bremerton, WA		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	97%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: B-3 GW
Lab Sample ID: C29798-8
Matrix: AQ - Ground Water
Method: SW846 8270C SW846 3510C
Project: 12130196 Bremerton, WA

Date Sampled: 09/16/13
Date Received: 09/18/13
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y22453.D	1	09/18/13	MT	09/18/13	OP8723	EY1041
Run #2	Y22456.D	10	09/18/13	MT	09/18/13	OP8723	EY1041

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2	1050 ml	1.0 ml

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	4.8	1.3	ug/l	
208-96-8	Acenaphthylene	ND	4.8	1.1	ug/l	
120-12-7	Anthracene	ND	4.8	1.2	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	1.4	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	1.3	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.4	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	1.3	ug/l	
218-01-9	Chrysene	ND	4.8	1.6	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.2	ug/l	
206-44-0	Fluoranthene	ND	4.8	1.4	ug/l	
86-73-7	Fluorene	ND	4.8	1.4	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.3	ug/l	
90-12-0	1-Methylnaphthalene	20.9	4.8	1.2	ug/l	
91-57-6	2-Methylnaphthalene	43.7	4.8	1.3	ug/l	
91-20-3	Naphthalene	169 [a]	48	12	ug/l	
85-01-8	Phenanthrene	ND	4.8	1.3	ug/l	
129-00-0	Pyrene	ND	4.8	1.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	59%	59%	27-112%
321-60-8	2-Fluorobiphenyl	64%	67%	27-112%
1718-51-0	Terphenyl-d14	85%	86%	45-128%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-3 GW		
Lab Sample ID:	C29798-8F	**Date Sampled:**	09/16/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	09/18/13
		Percent Solids:	n/a
Project:	12130196 Bremerton, WA		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 10	10	ug/l	1	09/22/13	09/24/13	RS	SW846 6010B [2]	SW3010A [4]
Barium	< 200	200	ug/l	1	09/22/13	09/24/13	RS	SW846 6010B [2]	SW3010A [4]
Cadmium	< 2.0	2.0	ug/l	1	09/22/13	09/24/13	RS	SW846 6010B [2]	SW3010A [4]
Chromium	< 10	10	ug/l	1	09/22/13	09/24/13	RS	SW846 6010B [2]	SW3010A [4]
Lead	< 10	10	ug/l	1	09/22/13	09/24/13	RS	SW846 6010B [2]	SW3010A [4]
Mercury	< 0.20	0.20	ug/l	1	09/20/13	09/20/13	TI	SW846 7470A [1]	EPA 245.1/SW7470A [3]
Selenium	< 10	10	ug/l	1	09/22/13	09/24/13	RS	SW846 6010B [2]	SW3010A [4]
Silver	< 5.0	5.0	ug/l	1	09/22/13	09/24/13	RS	SW846 6010B [2]	SW3010A [4]

(1) Instrument QC Batch: MA3462
(2) Instrument QC Batch: MA3469
(3) Prep QC Batch: MP6743
(4) Prep QC Batch: MP6747

RL = Reporting Limit

Report of Analysis

Client Sample ID: B-4 GW
Lab Sample ID: C29798-9
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: 12130196 Bremerton, WA

Date Sampled: 09/16/13
Date Received: 09/18/13
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W42026.D	1	09/25/13	BD	n/a	n/a	VW1483
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	16.0	20	4.0	ug/l	J
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.28	1.0	0.20	ug/l	J
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: B-4 GW
Lab Sample ID: C29798-9
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: 12130196 Bremerton, WA

Date Sampled: 09/16/13
Date Received: 09/18/13
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	1.4	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	3.5	10	2.0	ug/l	J
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	0.28	1.0	0.20	ug/l	J
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	6.2	10	2.0	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	3.6	5.0	0.50	ug/l	J
103-65-1	n-Propylbenzene	1.2	2.0	0.20	ug/l	J
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	10.6	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	2.7	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	55.5	1.0	0.30	ug/l	
108-88-3	Toluene	0.27	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	13.5	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		70-130%
2037-26-5	Toluene-D8	110%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-4 GW		
Lab Sample ID:	C29798-9	**Date Sampled:**	09/16/13
Matrix:	AQ - Ground Water	**Date Received:**	09/18/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	12130196 Bremerton, WA		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	96%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-4 GW		
Lab Sample ID:	C29798-9	**Date Sampled:**	09/16/13
Matrix:	AQ - Ground Water	**Date Received:**	09/18/13
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	12130196 Bremerton, WA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y22454.D	1	09/18/13	MT	09/18/13	OP8723	EY1041
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	4.7	1.3	ug/l	
208-96-8	Acenaphthylene	ND	4.7	1.1	ug/l	
120-12-7	Anthracene	ND	4.7	1.2	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.7	1.3	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.7	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.7	1.2	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.7	1.4	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.7	1.3	ug/l	
218-01-9	Chrysene	ND	4.7	1.5	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.7	1.2	ug/l	
206-44-0	Fluoranthene	ND	4.7	1.4	ug/l	
86-73-7	Fluorene	ND	4.7	1.4	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.7	1.3	ug/l	
90-12-0	1-Methylnaphthalene	ND	4.7	1.2	ug/l	
91-57-6	2-Methylnaphthalene	2.0	4.7	1.2	ug/l	J
91-20-3	Naphthalene	2.9	4.7	1.2	ug/l	J
85-01-8	Phenanthrene	ND	4.7	1.2	ug/l	
129-00-0	Pyrene	ND	4.7	1.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	70%		27-112%
321-60-8	2-Fluorobiphenyl	73%		27-112%
1718-51-0	Terphenyl-d14	96%		45-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-4 GW		
Lab Sample ID:	C29798-9F	**Date Sampled:**	09/16/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	09/18/13
		Percent Solids:	n/a
Project:	12130196 Bremerton, WA		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 10	10	ug/l	1	09/22/13	09/24/13	RS	SW846 6010B [2]	SW3010A [4]
Barium	< 200	200	ug/l	1	09/22/13	09/24/13	RS	SW846 6010B [2]	SW3010A [4]
Cadmium	< 2.0	2.0	ug/l	1	09/22/13	09/24/13	RS	SW846 6010B [2]	SW3010A [4]
Chromium	< 10	10	ug/l	1	09/22/13	09/24/13	RS	SW846 6010B [2]	SW3010A [4]
Lead	< 10	10	ug/l	1	09/22/13	09/24/13	RS	SW846 6010B [2]	SW3010A [4]
Mercury	< 0.20	0.20	ug/l	1	09/20/13	09/20/13	TI	SW846 7470A [1]	EPA 245.1/SW7470A [3]
Selenium	< 10	10	ug/l	1	09/22/13	09/24/13	RS	SW846 6010B [2]	SW3010A [4]
Silver	< 5.0	5.0	ug/l	1	09/22/13	09/24/13	RS	SW846 6010B [2]	SW3010A [4]

(1) Instrument QC Batch: MA3462
(2) Instrument QC Batch: MA3469
(3) Prep QC Batch: MP6743
(4) Prep QC Batch: MP6747

RL = Reporting Limit

Report of Analysis

Client Sample ID:	B-5 GW		
Lab Sample ID:	C29798-10	**Date Sampled:**	09/16/13
Matrix:	AQ - Ground Water	**Date Received:**	09/18/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	12130196 Bremerton, WA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W42027.D	1	09/25/13	BD	n/a	n/a	VW1483
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	1.0	2.0	0.20	ug/l	J
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: B-5 GW
Lab Sample ID: C29798-10
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: 12130196 Bremerton, WA

Date Sampled: 09/16/13
Date Received: 09/18/13
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	1.9	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	1.0	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	0.61	2.0	0.20	ug/l	J
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	8.7	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	1.8	2.0	0.20	ug/l	J
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	18.7	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	5.3	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	3.3	1.0	0.30	ug/l	
108-88-3	Toluene	0.57	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	10.9	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		70-130%
2037-26-5	Toluene-D8	109%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-5 GW		
Lab Sample ID:	C29798-10	**Date Sampled:**	09/16/13
Matrix:	AQ - Ground Water	**Date Received:**	09/18/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	12130196 Bremerton, WA		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	96%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: B-5 GW
Lab Sample ID: C29798-10
Matrix: AQ - Ground Water
Method: SW846 8270C SW846 3510C
Project: 12130196 Bremerton, WA

Date Sampled: 09/16/13
Date Received: 09/18/13
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y22455.D	1	09/18/13	MT	09/18/13	OP8723	EY1041
Run #2							

	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	4.7	1.3	ug/l	
208-96-8	Acenaphthylene	ND	4.7	1.1	ug/l	
120-12-7	Anthracene	ND	4.7	1.2	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.7	1.3	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.7	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.7	1.2	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.7	1.4	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.7	1.3	ug/l	
218-01-9	Chrysene	ND	4.7	1.5	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.7	1.2	ug/l	
206-44-0	Fluoranthene	ND	4.7	1.4	ug/l	
86-73-7	Fluorene	ND	4.7	1.4	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.7	1.3	ug/l	
90-12-0	1-Methylnaphthalene	1.7	4.7	1.2	ug/l	J
91-57-6	2-Methylnaphthalene	3.7	4.7	1.2	ug/l	J
91-20-3	Naphthalene	2.9	4.7	1.2	ug/l	J
85-01-8	Phenanthrene	ND	4.7	1.2	ug/l	
129-00-0	Pyrene	ND	4.7	1.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	66%		27-112%
321-60-8	2-Fluorobiphenyl	69%		27-112%
1718-51-0	Terphenyl-d14	88%		45-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	B-5 GW		
Lab Sample ID:	C29798-10F	**Date Sampled:**	09/16/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	09/18/13
		Percent Solids:	n/a
Project:	12130196 Bremerton, WA		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 10	10	ug/l	1	09/22/13	09/24/13	RS	SW846 6010B [2]	SW3010A [4]
Barium	< 200	200	ug/l	1	09/22/13	09/24/13	RS	SW846 6010B [2]	SW3010A [4]
Cadmium	< 2.0	2.0	ug/l	1	09/22/13	09/24/13	RS	SW846 6010B [2]	SW3010A [4]
Chromium	< 10	10	ug/l	1	09/22/13	09/24/13	RS	SW846 6010B [2]	SW3010A [4]
Lead	< 10	10	ug/l	1	09/22/13	09/24/13	RS	SW846 6010B [2]	SW3010A [4]
Mercury	< 0.20	0.20	ug/l	1	09/20/13	09/20/13	TI	SW846 7470A [1]	EPA 245.1/SW7470A [3]
Selenium	< 10	10	ug/l	1	09/22/13	09/24/13	RS	SW846 6010B [2]	SW3010A [4]
Silver	< 5.0	5.0	ug/l	1	09/22/13	09/24/13	RS	SW846 6010B [2]	SW3010A [4]

(1) Instrument QC Batch: MA3462
(2) Instrument QC Batch: MA3469
(3) Prep QC Batch: MP6743
(4) Prep QC Batch: MP6747

RL = Reporting Limit

Northern California ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

ACCUTEST LABORATORIES
2105 Lundy Ave, San Jose, CA 95131
(408) 588-0200 FAX: (408) 588-0201

EB|MAB5485

8020-880829-5870

FED-EX Tracking # 8020-0829-5858 | Bottle Order Control #
Accutest Quote # | Accutest NC Job #: C C29798

Client / Reporting Information

Company Name: EBI Consulting
Address: 21 B St.
City: Burlington State: MA Zip: 01803
Project Contact: Ryan Deutsch
Phone #
Samplers's Name: Chad Bechtel

Project Information

Project Name: Burwell St
Street: 2612/2613 Burwell St.
City: Bremerton State: WA
Project #: 12130196
EMAIL:
Client Purchase Order #

Requested Analysis

VOC (8260)
PAH (8270)
RCRA 8 (6010) Dissolved (Lab-Filter)

Matrix Codes

WW- Wastewater
GW- Ground Water
SW- Surface Water
SO- Soil
OI-Oil
WP-Wipe
LIQ - Non-aqueous Liquid
AIR
DW- Drinking Water (Perchlorate Only)

Accutest Sample ID	Sample ID / Field Point / Point of Collection	Collection: Date	Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	NaHSO4	MEOH	ENCORE	LAB USE ONLY
1	B-1 (18-20)	9/14/13	0955	CB	SO	5					4		1		
2	B-2 (18-20)		1125												
3	B-3 (10-12)		1320												
4	B-4 (10-12)		1355												
5	B-5 (10-12)		1435												
6	B-1 GW		1050	CB	GW	6	3				3				
7	B-2 GW		1155												
8	B-3 GW		1400												
9	B-4 GW		1450												
10	B-5 GW		1530												

Turnaround Time (Business days)

Approved By:/ Date:

- [ ] 10 Day
- [X] 5 Day
- [ ] 3 Day
- [ ] 2 Day
- [ ] 1 Day
- [ ] Same Day

Emergency T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" - Results only
- [X] Commercial "B" - Results with QC summaries
- [ ] Commerical "B+" - Results, QC, and chromatograms
- [ ] FULT1 - Level 4 data package
- [ ] EDF for Geotracker [ ] EDD Format
- Provide EDF Global ID
- Provide EDF Logcode:

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	Chad Bechtel	9/14/13 1500	1 FedEx	2 FEDEX	9/18/13 0945	2 DL DLUNA
3	Relinquished by:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
5	Relinquished by:	Date Time:	Received By:	Custody Seal #	Appropriate Bottle / Pres Y/N; Labels match Cont Y/N	Headspace Y/N; On Ice Y/N; Separate Receiving Check List used Y/N

Cooler Temp: 5.3°C cc
3.7°C.

C29798: Chain of Custody
Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: C29798 **Client:** EBI CONSULTING **Project:** BURWELL STREET - 12130196

Date / Time Received: 9/18/2013 **Delivery Method:** FedEx **Airbill #'s:** 802008295858; 802008295870

Cooler Temps (Initial/Adjusted): #1: (5.3/5.3); #2: (3.7/3.7); 0

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☐		☑	3. COC Present:	☑		☐
2. Custody Seals Intact:	☐		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR1 Plastic;		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	2		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:408.588.0200
2105 Lundy Avenue
F: 408.588.0201
San Jose, CA 95131
www/accutest.com

C29798: Chain of Custody
Page 2 of 2

Northern California ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: C29798
Account: EBIMAB EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL870-MB	L27495.D	1	09/18/13	XB	n/a	n/a	VL870

The QC reported here applies to the following samples: **Method:** SW846 8260B

C29798-1, C29798-2, C29798-5

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	40	10	ug/kg	
71-43-2	Benzene	ND	5.0	0.50	ug/kg	
108-86-1	Bromobenzene	ND	5.0	0.50	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	0.50	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	0.50	ug/kg	
75-25-2	Bromoform	ND	5.0	0.50	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	0.50	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	0.50	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	0.50	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	0.50	ug/kg	
75-00-3	Chloroethane	ND	5.0	1.0	ug/kg	
67-66-3	Chloroform	ND	5.0	0.50	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	0.50	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	0.50	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	0.50	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	0.50	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	0.50	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	0.50	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	0.50	ug/kg	
108-20-3	Di-Isopropyl ether	ND	5.0	0.50	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	0.50	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	0.50	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.1	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	0.50	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	0.50	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	0.50	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	0.50	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	0.50	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	0.50	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	0.50	ug/kg	
637-92-3	Ethyl tert-Butyl Ether	ND	5.0	0.50	ug/kg	

Method Blank Summary

Job Number: C29798
Account: EBIMAB EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL870-MB	L27495.D	1	09/18/13	XB	n/a	n/a	VL870

The QC reported here applies to the following samples: **Method:** SW846 8260B

C29798-1, C29798-2, C29798-5

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	20	2.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	0.50	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	0.50	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	20	2.0	ug/kg	
74-83-9	Methyl bromide	ND	5.0	1.0	ug/kg	
74-87-3	Methyl chloride	ND	5.0	1.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	0.50	ug/kg	
75-09-2	Methylene chloride	ND	20	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	20	2.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	1.0	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	0.50	ug/kg	
100-42-5	Styrene	ND	5.0	0.50	ug/kg	
994-05-8	Tert-Amyl Methyl Ether	ND	5.0	0.50	ug/kg	
75-65-0	Tert Butyl Alcohol	ND	40	10	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.50	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	0.50	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	0.50	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.50	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	0.60	ug/kg	
108-88-3	Toluene	ND	5.0	0.50	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	0.50	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	1.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	1.0	ug/kg	
1330-20-7	Xylene (total)	ND	10	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	70-130%

Method Blank Summary

Job Number: C29798
Account: EBIMAB EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL870-MB	L27495.D	1	09/18/13	XB	n/a	n/a	VL870

The QC reported here applies to the following samples: **Method:** SW846 8260B

C29798-1, C29798-2, C29798-5

CAS No.	Surrogate Recoveries		Limits
2037-26-5	Toluene-D8	95%	70-130%
460-00-4	4-Bromofluorobenzene	104%	70-130%

Method Blank Summary

Job Number: C29798
Account: EBIMAB EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL871-MB	L27529.D	1	09/19/13	XB	n/a	n/a	VL871

The QC reported here applies to the following samples: **Method:** SW846 8260B

C29798-3, C29798-4

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	40	10	ug/kg	
71-43-2	Benzene	ND	5.0	0.50	ug/kg	
108-86-1	Bromobenzene	ND	5.0	0.50	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	0.50	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	0.50	ug/kg	
75-25-2	Bromoform	ND	5.0	0.50	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	0.50	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	0.50	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	0.50	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	0.50	ug/kg	
75-00-3	Chloroethane	ND	5.0	1.0	ug/kg	
67-66-3	Chloroform	ND	5.0	0.50	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	0.50	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	0.50	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	0.50	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	0.50	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	0.50	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	0.50	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	0.50	ug/kg	
108-20-3	Di-Isopropyl ether	ND	5.0	0.50	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	0.50	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	0.50	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.1	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	0.50	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	0.50	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	0.50	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	0.50	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	0.50	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	0.50	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	0.50	ug/kg	
637-92-3	Ethyl tert-Butyl Ether	ND	5.0	0.50	ug/kg	

Method Blank Summary

Job Number: C29798
Account: EBIMAB EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL871-MB	L27529.D	1	09/19/13	XB	n/a	n/a	VL871

The QC reported here applies to the following samples: **Method:** SW846 8260B

C29798-3, C29798-4

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	20	2.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.0	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	0.50	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	0.50	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	20	2.0	ug/kg	
74-83-9	Methyl bromide	ND	5.0	1.0	ug/kg	
74-87-3	Methyl chloride	ND	5.0	1.0	ug/kg	
74-95-3	Methylene bromide	ND	5.0	0.50	ug/kg	
75-09-2	Methylene chloride	ND	20	5.0	ug/kg	
78-93-3	Methyl ethyl ketone	ND	20	2.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	1.0	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	0.50	ug/kg	
100-42-5	Styrene	ND	5.0	0.50	ug/kg	
994-05-8	Tert-Amyl Methyl Ether	ND	5.0	0.50	ug/kg	
75-65-0	Tert Butyl Alcohol	ND	40	10	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.50	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	0.50	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	0.50	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.50	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.50	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	0.60	ug/kg	
108-88-3	Toluene	ND	5.0	0.50	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	0.50	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	1.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	1.0	ug/kg	
1330-20-7	Xylene (total)	ND	10	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	103%	70-130%

Method Blank Summary

Job Number: C29798
Account: EBIMAB EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL871-MB	L27529.D	1	09/19/13	XB	n/a	n/a	VL871

The QC reported here applies to the following samples: **Method:** SW846 8260B

C29798-3, C29798-4

CAS No.	Surrogate Recoveries		Limits
2037-26-5	Toluene-D8	100%	70-130%
460-00-4	4-Bromofluorobenzene	103%	70-130%

Method Blank Summary

Job Number: C29798
Account: EBIMAB EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL872-MB	L27560.D	1	09/20/13	XB	n/a	n/a	VL872

The QC reported here applies to the following samples: **Method:** SW846 8260B

C29798-4

CAS No.	Compound	Result	RL	MDL	Units	Q
91-20-3	Naphthalene	ND	5.0	1.0	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/kg	
1330-20-7	Xylene (total)	ND	10	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	104%	70-130%
2037-26-5	Toluene-D8	96%	70-130%
460-00-4	4-Bromofluorobenzene	102%	70-130%

Method Blank Summary

Job Number: C29798
Account: EBIMAB EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1483-MB	W42015.D	1	09/25/13	BD	n/a	n/a	VW1483

The QC reported here applies to the following samples: **Method:** SW846 8260B

C29798-6, C29798-7, C29798-8, C29798-9, C29798-10

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.22	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.20	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	1.0	0.20	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.20	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.20	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.20	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.40	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.20	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.20	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.20	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.20	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	

Method Blank Summary

Job Number: C29798
Account: EBIMAB EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1483-MB	W42015.D	1	09/25/13	BD	n/a	n/a	VW1483

The QC reported here applies to the following samples: **Method:** SW846 8260B

C29798-6, C29798-7, C29798-8, C29798-9, C29798-10

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.20	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.20	ug/l	
74-87-3	Methyl chloride	ND	1.0	0.30	ug/l	
74-95-3	Methylene bromide	ND	1.0	0.20	ug/l	
75-09-2	Methylene chloride	ND	10	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	10	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.20	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.20	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.20	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	97%	70-130%

Method Blank Summary

Job Number: C29798
Account: EBIMAB EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1483-MB	W42015.D	1	09/25/13	BD	n/a	n/a	VW1483

The QC reported here applies to the following samples: **Method:** SW846 8260B

C29798-6, C29798-7, C29798-8, C29798-9, C29798-10

CAS No.	Surrogate Recoveries		Limits
2037-26-5	Toluene-D8	108%	70-130%
460-00-4	4-Bromofluorobenzene	95%	70-130%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C29798
Account: EBIMAB EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL870-BS	L27492.D	1	09/18/13	XB	n/a	n/a	VL870
VL870-BSD	L27493.D	1	09/18/13	XB	n/a	n/a	VL870

The QC reported here applies to the following samples: **Method:** SW846 8260B

C29798-1, C29798-2, C29798-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	160	147	92	142	89	3	62-130/24
71-43-2	Benzene	40	41.3	103	40.0	100	3	81-119/20
108-86-1	Bromobenzene	40	36.8	92	35.8	90	3	79-120/22
74-97-5	Bromochloromethane	40	42.2	106	40.0	100	5	81-120/19
75-27-4	Bromodichloromethane	40	44.2	111	42.9	107	3	79-124/20
75-25-2	Bromoform	40	44.4	111	44.5	111	0	76-128/21
104-51-8	n-Butylbenzene	40	40.0	100	38.8	97	3	79-123/26
135-98-8	sec-Butylbenzene	40	37.0	93	35.9	90	3	77-122/24
98-06-6	tert-Butylbenzene	40	37.6	94	36.4	91	3	77-121/23
108-90-7	Chlorobenzene	40	37.6	94	37.1	93	1	82-121/20
75-00-3	Chloroethane	40	40.9	102	38.6	97	6	80-126/21
67-66-3	Chloroform	40	46.2	116	44.3	111	4	82-123/20
95-49-8	o-Chlorotoluene	40	37.5	94	36.3	91	3	78-125/25
106-43-4	p-Chlorotoluene	40	36.0	90	35.3	88	2	75-125/26
56-23-5	Carbon tetrachloride	40	48.1	120	45.8	115	5	82-127/22
75-34-3	1,1-Dichloroethane	40	42.9	107	41.0	103	5	80-123/20
75-35-4	1,1-Dichloroethylene	40	41.8	105	39.2	98	6	76-123/19
563-58-6	1,1-Dichloropropene	40	44.6	112	42.6	107	5	79-123/20
96-12-8	1,2-Dibromo-3-chloropropane	40	43.8	110	42.5	106	3	64-133/23
106-93-4	1,2-Dibromoethane	40	40.5	101	40.2	101	1	80-120/20
107-06-2	1,2-Dichloroethane	40	48.0	120	46.8	117	3	76-132/21
78-87-5	1,2-Dichloropropane	40	41.2	103	39.8	100	3	80-121/20
142-28-9	1,3-Dichloropropane	40	40.0	100	39.5	99	1	78-120/20
108-20-3	Di-Isopropyl ether	40	42.0	105	40.2	101	4	78-126/19
594-20-7	2,2-Dichloropropane	40	47.5	119	45.1	113	5	77-132/22
124-48-1	Dibromochloromethane	40	42.7	107	42.0	105	2	76-121/21
75-71-8	Dichlorodifluoromethane	40	50.9	127	47.5	119	7	51-135/23
156-59-2	cis-1,2-Dichloroethylene	40	42.3	106	40.6	102	4	79-123/20
10061-01-5	cis-1,3-Dichloropropene	40	46.2	116	44.7	112	3	81-124/21
541-73-1	m-Dichlorobenzene	40	36.3	91	35.3	88	3	79-123/23
95-50-1	o-Dichlorobenzene	40	36.9	92	36.1	90	2	79-124/22
106-46-7	p-Dichlorobenzene	40	38.7	97	37.8	95	2	79-123/22
156-60-5	trans-1,2-Dichloroethylene	40	42.2	106	40.2	101	5	78-120/19
10061-02-6	trans-1,3-Dichloropropene	40	40.9	102	40.2	101	2	81-123/22
100-41-4	Ethylbenzene	40	41.7	104	40.7	102	2	80-119/21
637-92-3	Ethyl tert-Butyl Ether	40	48.5	121	47.0	118	3	75-132/21

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C29798
Account: EBIMAB EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL870-BS	L27492.D	1	09/18/13	XB	n/a	n/a	VL870
VL870-BSD	L27493.D	1	09/18/13	XB	n/a	n/a	VL870

The QC reported here applies to the following samples: **Method:** SW846 8260B

C29798-1, C29798-2, C29798-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	160	166	104	167	104	1	68-139/24
87-68-3	Hexachlorobutadiene	40	40.5	101	39.6	99	2	81-126/32
98-82-8	Isopropylbenzene	40	38.9	97	38.1	95	2	81-122/22
99-87-6	p-Isopropyltoluene	40	37.5	94	36.3	91	3	81-121/23
108-10-1	4-Methyl-2-pentanone	160	176	110	172	108	2	74-136/23
74-83-9	Methyl bromide	40	44.6	112	41.7	104	7	82-124/20
74-87-3	Methyl chloride	40	39.8	100	38.2	96	4	60-132/26
74-95-3	Methylene bromide	40	42.3	106	41.7	104	1	82-120/20
75-09-2	Methylene chloride	40	41.3	103	38.9	97	6	75-119/20
78-93-3	Methyl ethyl ketone	160	163	102	157	98	4	71-130/22
1634-04-4	Methyl Tert Butyl Ether	40	47.4	119	45.9	115	3	79-127/19
91-20-3	Naphthalene	40	42.0	105	41.7	104	1	78-125/23
103-65-1	n-Propylbenzene	40	35.9	90	34.6	87	4	79-124/22
100-42-5	Styrene	40	41.8	105	40.9	102	2	83-122/21
994-05-8	Tert-Amyl Methyl Ether	40	47.2	118	45.8	115	3	80-127/20
75-65-0	Tert Butyl Alcohol	200	251	126	234	117	7	65-144/23
630-20-6	1,1,1,2-Tetrachloroethane	40	43.0	108	41.4	104	4	82-123/21
71-55-6	1,1,1-Trichloroethane	40	48.8	122	47.3	118	3	79-129/21
79-34-5	1,1,2,2-Tetrachloroethane	40	39.5	99	39.0	98	1	77-126/20
79-00-5	1,1,2-Trichloroethane	40	39.6	99	39.4	99	1	79-123/20
87-61-6	1,2,3-Trichlorobenzene	40	40.3	101	39.7	99	1	81-122/26
96-18-4	1,2,3-Trichloropropane	40	44.3	111	43.7	109	1	79-122/24
120-82-1	1,2,4-Trichlorobenzene	40	39.7	99	38.8	97	2	81-121/26
95-63-6	1,2,4-Trimethylbenzene	40	40.6	102	39.2	98	4	82-121/24
108-67-8	1,3,5-Trimethylbenzene	40	41.2	103	39.8	100	3	81-123/23
127-18-4	Tetrachloroethylene	40	39.3	98	38.0	95	3	80-125/25
108-88-3	Toluene	40	39.8	100	38.9	97	2	80-117/21
79-01-6	Trichloroethylene	40	41.7	104	40.8	102	2	81-122/20
75-69-4	Trichlorofluoromethane	40	49.7	124	47.2	118	5	77-133/22
75-01-4	Vinyl chloride	40	48.6	122	49.2	123	1	71-133/23
1330-20-7	Xylene (total)	120	116	97	114	95	2	81-122/22

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	104%	103%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C29798
Account: EBIMAB EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL870-BS	L27492.D	1	09/18/13	XB	n/a	n/a	VL870
VL870-BSD	L27493.D	1	09/18/13	XB	n/a	n/a	VL870

The QC reported here applies to the following samples: **Method:** SW846 8260B

C29798-1, C29798-2, C29798-5

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
2037-26-5	Toluene-D8	97%	98%	70-130%
460-00-4	4-Bromofluorobenzene	107%	109%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C29798
Account: EBIMAB EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL871-BS	L27526.D	1	09/19/13	XB	n/a	n/a	VL871
VL871-BSD	L27527.D	1	09/19/13	XB	n/a	n/a	VL871

The QC reported here applies to the following samples: **Method:** SW846 8260B

C29798-3, C29798-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	160	133	83	137	86	3	62-130/24
71-43-2	Benzene	40	39.7	99	39.3	98	1	81-119/20
108-86-1	Bromobenzene	40	37.6	94	37.6	94	0	79-120/22
74-97-5	Bromochloromethane	40	38.4	96	38.9	97	1	81-120/19
75-27-4	Bromodichloromethane	40	42.8	107	42.7	107	0	79-124/20
75-25-2	Bromoform	40	44.8	112	45.4	114	1	76-128/21
104-51-8	n-Butylbenzene	40	41.2	103	41.1	103	0	79-123/26
135-98-8	sec-Butylbenzene	40	37.9	95	38.0	95	0	77-122/24
98-06-6	tert-Butylbenzene	40	38.3	96	38.9	97	2	77-121/23
108-90-7	Chlorobenzene	40	37.3	93	37.5	94	1	82-121/20
75-00-3	Chloroethane	40	36.0	90	37.2	93	3	80-126/21
67-66-3	Chloroform	40	42.9	107	44.0	110	3	82-123/20
95-49-8	o-Chlorotoluene	40	38.4	96	38.7	97	1	78-125/25
106-43-4	p-Chlorotoluene	40	36.8	92	37.5	94	2	75-125/26
56-23-5	Carbon tetrachloride	40	47.3	118	46.6	117	1	82-127/22
75-34-3	1,1-Dichloroethane	40	39.4	99	40.7	102	3	80-123/20
75-35-4	1,1-Dichloroethylene	40	38.1	95	38.4	96	1	76-123/19
563-58-6	1,1-Dichloropropene	40	42.3	106	42.6	107	1	79-123/20
96-12-8	1,2-Dibromo-3-chloropropane	40	46.1	115	45.8	115	1	64-133/23
106-93-4	1,2-Dibromoethane	40	40.0	100	40.0	100	0	80-120/20
107-06-2	1,2-Dichloroethane	40	46.9	117	46.7	117	0	76-132/21
78-87-5	1,2-Dichloropropane	40	39.0	98	38.8	97	1	80-121/20
142-28-9	1,3-Dichloropropane	40	39.2	98	40.4	101	3	78-120/20
108-20-3	Di-Isopropyl ether	40	38.6	97	39.4	99	2	78-126/19
594-20-7	2,2-Dichloropropane	40	45.6	114	45.4	114	0	77-132/22
124-48-1	Dibromochloromethane	40	42.3	106	43.5	109	3	76-121/21
75-71-8	Dichlorodifluoromethane	40	47.2	118	48.0	120	2	51-135/23
156-59-2	cis-1,2-Dichloroethylene	40	38.9	97	39.7	99	2	79-123/20
10061-01-5	cis-1,3-Dichloropropene	40	44.4	111	43.6	109	2	81-124/21
541-73-1	m-Dichlorobenzene	40	36.9	92	36.9	92	0	79-123/23
95-50-1	o-Dichlorobenzene	40	38.1	95	37.6	94	1	79-124/22
106-46-7	p-Dichlorobenzene	40	40.1	100	39.9	100	1	79-123/22
156-60-5	trans-1,2-Dichloroethylene	40	39.0	98	39.8	100	2	78-120/19
10061-02-6	trans-1,3-Dichloropropene	40	40.6	102	41.3	103	2	81-123/22
100-41-4	Ethylbenzene	40	41.2	103	41.8	105	1	80-119/21
637-92-3	Ethyl tert-Butyl Ether	40	45.5	114	46.6	117	2	75-132/21

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C29798
Account: EBIMAB EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL871-BS	L27526.D	1	09/19/13	XB	n/a	n/a	VL871
VL871-BSD	L27527.D	1	09/19/13	XB	n/a	n/a	VL871

The QC reported here applies to the following samples: **Method:** SW846 8260B

C29798-3, C29798-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	160	167	104	171	107	2	68-139/24
87-68-3	Hexachlorobutadiene	40	42.6	107	42.5	106	0	81-126/32
98-82-8	Isopropylbenzene	40	39.4	99	39.3	98	0	81-122/22
99-87-6	p-Isopropyltoluene	40	38.5	96	38.8	97	1	81-121/23
108-10-1	4-Methyl-2-pentanone	160	171	107	171	107	0	74-136/23
74-83-9	Methyl bromide	40	39.3	98	41.0	103	4	82-124/20
74-87-3	Methyl chloride	40	37.0	93	39.4	99	6	60-132/26
74-95-3	Methylene bromide	40	40.6	102	40.6	102	0	82-120/20
75-09-2	Methylene chloride	40	37.5	94	38.5	96	3	75-119/20
78-93-3	Methyl ethyl ketone	160	150	94	153	96	2	71-130/22
1634-04-4	Methyl Tert Butyl Ether	40	44.3	111	45.4	114	2	79-127/19
91-20-3	Naphthalene	40	42.8	107	43.5	109	2	78-125/23
103-65-1	n-Propylbenzene	40	36.7	92	36.7	92	0	79-124/22
100-42-5	Styrene	40	41.7	104	41.8	105	0	83-122/21
994-05-8	Tert-Amyl Methyl Ether	40	44.1	110	45.0	113	2	80-127/20
75-65-0	Tert Butyl Alcohol	200	212	106	215	108	1	65-144/23
630-20-6	1,1,1,2-Tetrachloroethane	40	42.5	106	42.7	107	0	82-123/21
71-55-6	1,1,1-Trichloroethane	40	46.6	117	48.1	120	3	79-129/21
79-34-5	1,1,2,2-Tetrachloroethane	40	39.4	99	39.9	100	1	77-126/20
79-00-5	1,1,2-Trichloroethane	40	39.3	98	40.0	100	2	79-123/20
87-61-6	1,2,3-Trichlorobenzene	40	41.2	103	40.9	102	1	81-122/26
96-18-4	1,2,3-Trichloropropane	40	43.6	109	44.3	111	2	79-122/24
120-82-1	1,2,4-Trichlorobenzene	40	40.5	101	39.8	100	2	81-121/26
95-63-6	1,2,4-Trimethylbenzene	40	41.8	105	41.8	105	0	82-121/24
108-67-8	1,3,5-Trimethylbenzene	40	42.3	106	42.6	107	1	81-123/23
127-18-4	Tetrachloroethylene	40	38.6	97	39.4	99	2	80-125/25
108-88-3	Toluene	40	39.1	98	39.7	99	2	80-117/21
79-01-6	Trichloroethylene	40	40.2	101	40.0	100	0	81-122/20
75-69-4	Trichlorofluoromethane	40	44.8	112	46.7	117	4	77-133/22
75-01-4	Vinyl chloride	40	47.0	118	48.1	120	2	71-133/23
1330-20-7	Xylene (total)	120	116	97	117	98	1	81-122/22

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	103%	105%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C29798
Account: EBIMAB EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL871-BS	L27526.D	1	09/19/13	XB	n/a	n/a	VL871
VL871-BSD	L27527.D	1	09/19/13	XB	n/a	n/a	VL871

The QC reported here applies to the following samples: **Method:** SW846 8260B

C29798-3, C29798-4

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
2037-26-5	Toluene-D8	99%	100%	70-130%
460-00-4	4-Bromofluorobenzene	106%	107%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C29798
Account: EBIMAB EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL872-BS	L27557.D	1	09/20/13	XB	n/a	n/a	VL872
VL872-BSD	L27558.D	1	09/20/13	XB	n/a	n/a	VL872

The QC reported here applies to the following samples: **Method:** SW846 8260B

C29798-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
91-20-3	Naphthalene	40	43.6	109	42.8	107	2	78-125/23
95-63-6	1,2,4-Trimethylbenzene	40	42.6	107	42.0	105	1	82-121/24
1330-20-7	Xylene (total)	120	119	99	116	97	3	81-122/22

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	108%	105%	70-130%
2037-26-5	Toluene-D8	100%	99%	70-130%
460-00-4	4-Bromofluorobenzene	109%	108%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C29798
Account: EBIMAB EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1483-BS	W42012.D	1	09/25/13	BD	n/a	n/a	VW1483
VW1483-BSD	W42016.D	1	09/25/13	BD	n/a	n/a	VW1483

The QC reported here applies to the following samples: **Method:** SW846 8260B

C29798-6, C29798-7, C29798-8, C29798-9, C29798-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	80	59.7	75	59.3	74	1	38-159/24
71-43-2	Benzene	20	19.3	97	20.0	100	4	77-122/25
108-86-1	Bromobenzene	20	20.9	105	21.5	108	3	76-126/17
74-97-5	Bromochloromethane	20	20.7	104	20.7	104	0	77-130/17
75-27-4	Bromodichloromethane	20	19.2	96	19.9	100	4	75-127/16
75-25-2	Bromoform	20	20.3	102	20.6	103	1	69-141/17
104-51-8	n-Butylbenzene	20	20.3	102	20.5	103	1	72-129/18
135-98-8	sec-Butylbenzene	20	19.6	98	19.6	98	0	74-128/18
98-06-6	tert-Butylbenzene	20	19.9	100	19.8	99	1	73-127/18
108-90-7	Chlorobenzene	20	19.5	98	20.2	101	4	77-122/16
75-00-3	Chloroethane	20	19.9	100	20.0	100	1	69-133/18
67-66-3	Chloroform	20	19.5	98	19.4	97	1	74-126/17
95-49-8	o-Chlorotoluene	20	19.6	98	19.7	99	1	72-127/20
106-43-4	p-Chlorotoluene	20	19.1	96	19.7	99	3	68-127/18
56-23-5	Carbon tetrachloride	20	19.8	99	19.9	100	1	71-133/19
75-34-3	1,1-Dichloroethane	20	19.5	98	19.5	98	0	71-125/17
75-35-4	1,1-Dichloroethylene	20	20.0	100	19.6	98	2	66-125/20
563-58-6	1,1-Dichloropropene	20	19.5	98	19.6	98	1	75-124/18
96-12-8	1,2-Dibromo-3-chloropropane	20	18.7	94	17.9	90	4	65-131/20
106-93-4	1,2-Dibromoethane	20	20.0	100	20.1	101	0	75-135/17
107-06-2	1,2-Dichloroethane	20	17.5	88	17.9	90	2	71-131/17
78-87-5	1,2-Dichloropropane	20	20.0	100	20.6	103	3	78-124/16
142-28-9	1,3-Dichloropropane	20	19.3	97	19.8	99	3	78-123/16
108-20-3	Di-Isopropyl ether	20	18.8	94	18.9	95	1	68-129/17
594-20-7	2,2-Dichloropropane	20	19.1	96	19.4	97	2	70-131/19
124-48-1	Dibromochloromethane	20	21.9	110	22.4	112	2	76-132/16
75-71-8	Dichlorodifluoromethane	20	22.9	115	23.0	115	0	32-168/28
156-59-2	cis-1,2-Dichloroethylene	20	20.7	104	20.8	104	0	73-126/17
10061-01-5	cis-1,3-Dichloropropene	20	21.7	109	22.3	112	3	72-130/16
541-73-1	m-Dichlorobenzene	20	19.9	100	20.3	102	2	75-124/16
95-50-1	o-Dichlorobenzene	20	19.9	100	20.3	102	2	76-124/16
106-46-7	p-Dichlorobenzene	20	21.3	107	21.6	108	1	75-124/16
156-60-5	trans-1,2-Dichloroethylene	20	21.2	106	21.1	106	0	71-126/18
10061-02-6	trans-1,3-Dichloropropene	20	19.8	99	20.5	103	3	71-126/16
100-41-4	Ethylbenzene	20	20.0	100	20.6	103	3	76-126/17
637-92-3	Ethyl Tert Butyl Ether	20	21.8	109	21.7	109	0	75-134/17

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C29798
Account: EBIMAB EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1483-BS	W42012.D	1	09/25/13	BD	n/a	n/a	VW1483
VW1483-BSD	W42016.D	1	09/25/13	BD	n/a	n/a	VW1483

The QC reported here applies to the following samples: **Method:** SW846 8260B

C29798-6, C29798-7, C29798-8, C29798-9, C29798-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	80	70.4	88	70.7	88	0	67-150/22
87-68-3	Hexachlorobutadiene	20	21.1	106	20.4	102	3	69-135/20
98-82-8	Isopropylbenzene	20	18.8	94	19.2	96	2	61-125/17
99-87-6	p-Isopropyltoluene	20	19.7	99	19.8	99	1	68-127/18
108-10-1	4-Methyl-2-pentanone	80	68.2	85	68.7	86	1	71-142/21
74-83-9	Methyl bromide	20	21.8	109	22.2	111	2	68-132/18
74-87-3	Methyl chloride	20	17.4	87	20.3	102	15	39-150/28
74-95-3	Methylene bromide	20	19.5	98	19.8	99	2	77-127/16
75-09-2	Methylene chloride	20	20.1	101	20.5	103	2	67-128/18
78-93-3	Methyl ethyl ketone	80	71.7	90	70.1	88	2	56-155/23
1634-04-4	Methyl Tert Butyl Ether	20	21.0	105	20.8	104	1	73-132/17
91-20-3	Naphthalene	20	20.7	104	20.3	102	2	70-136/20
103-65-1	n-Propylbenzene	20	19.0	95	19.2	96	1	71-127/17
100-42-5	Styrene	20	21.3	107	22.1	111	4	72-134/16
994-05-8	Tert-Amyl Methyl Ether	20	22.2	111	22.1	111	0	73-133/17
75-65-0	Tert-Butyl Alcohol	100	95.1	95	95.2	95	0	60-149/26
630-20-6	1,1,1,2-Tetrachloroethane	20	21.8	109	22.4	112	3	77-130/16
71-55-6	1,1,1-Trichloroethane	20	19.7	99	19.3	97	2	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	20	21.1	106	20.9	105	1	77-129/17
79-00-5	1,1,2-Trichloroethane	20	20.0	100	20.6	103	3	77-125/16
87-61-6	1,2,3-Trichlorobenzene	20	21.3	107	21.1	106	1	70-133/18
96-18-4	1,2,3-Trichloropropane	20	19.5	98	19.6	98	1	69-126/18
120-82-1	1,2,4-Trichlorobenzene	20	20.8	104	20.9	105	0	68-129/17
95-63-6	1,2,4-Trimethylbenzene	20	21.3	107	21.7	109	2	74-129/17
108-67-8	1,3,5-Trimethylbenzene	20	21.7	109	21.9	110	1	77-129/17
127-18-4	Tetrachloroethylene	20	20.1	101	20.4	102	1	69-127/20
108-88-3	Toluene	20	20.2	101	20.8	104	3	75-122/17
79-01-6	Trichloroethylene	20	19.5	98	19.7	99	1	78-123/17
75-69-4	Trichlorofluoromethane	20	20.7	104	20.1	101	3	65-136/23
75-01-4	Vinyl chloride	20	21.0	105	20.5	103	2	57-146/22
1330-20-7	Xylene (total)	60	59.1	99	61.0	102	3	77-125/17

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	106%	102%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C29798
Account: EBIMAB EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1483-BS	W42012.D	1	09/25/13	BD	n/a	n/a	VW1483
VW1483-BSD	W42016.D	1	09/25/13	BD	n/a	n/a	VW1483

The QC reported here applies to the following samples: **Method:** SW846 8260B

C29798-6, C29798-7, C29798-8, C29798-9, C29798-10

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
2037-26-5	Toluene-D8	106%	105%	70-130%
460-00-4	4-Bromofluorobenzene	98%	99%	70-130%

* = Outside of Control Limits.

Laboratory Control Sample Summary

Job Number: C29798
Account: EBIMAB EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL871-LCS	L27528.D	1	09/19/13	XB	n/a	n/a	VL871

The QC reported here applies to the following samples: **Method:** SW846 8260B

C29798-3, C29798-4

CAS No.	Compound	Spike ug/kg	LCS ug/kg	LCS %	Limits

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	102%	70-130%
2037-26-5	Toluene-D8	99%	70-130%
460-00-4	4-Bromofluorobenzene	103%	70-130%

* = Outside of Control Limits.

Laboratory Control Sample Summary

Job Number: C29798
Account: EBIMAB EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VL872-LCS	L27559.D	1	09/20/13	XB	n/a	n/a	VL872

The QC reported here applies to the following samples: **Method:** SW846 8260B

C29798-4

CAS No.	Compound	Spike ug/kg	LCS ug/kg	LCS %	Limits

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	70-130%
2037-26-5	Toluene-D8	100%	70-130%
460-00-4	4-Bromofluorobenzene	105%	70-130%

* = Outside of Control Limits.

Laboratory Control Sample Summary

Job Number: C29798
Account: EBIMAB EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1483-LCS	W42014.D	1	09/25/13	BD	n/a	n/a	VW1483

The QC reported here applies to the following samples: **Method:** SW846 8260B

C29798-6, C29798-7, C29798-8, C29798-9, C29798-10

CAS No.	Compound	Spike ug/l	LCS ug/l	LCS %	Limits

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	102%	70-130%
2037-26-5	Toluene-D8	107%	70-130%
460-00-4	4-Bromofluorobenzene	96%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C29798
Account: EBIMAB EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C29795-4MS	L27512.D	1	09/18/13	XB	n/a	n/a	VL870
C29795-4MSD	L27513.D	1	09/18/13	XB	n/a	n/a	VL870
C29795-4	L27511.D	1	09/18/13	XB	n/a	n/a	VL870

The QC reported here applies to the following samples: **Method:** SW846 8260B

C29798-1, C29798-2, C29798-5

CAS No.	Compound	C29795-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		8990	6980	78	7370	82	5	62-130/24
71-43-2	Benzene	ND		2250	2190	97	2260	101	3	81-119/20
108-86-1	Bromobenzene	ND		2250	2030	90	2120	94	4	79-120/22
74-97-5	Bromochloromethane	ND		2250	2240	100	2330	104	4	81-120/19
75-27-4	Bromodichloromethane	ND		2250	2500	111	2600	116	4	79-124/20
75-25-2	Bromoform	ND		2250	2330	104	2460	109	5	76-128/21
104-51-8	n-Butylbenzene	ND		2250	2050	91	2110	94	3	79-123/26
135-98-8	sec-Butylbenzene	ND		2250	2070	92	2120	94	2	77-122/24
98-06-6	tert-Butylbenzene	ND		2250	2090	93	2170	97	4	77-121/23
108-90-7	Chlorobenzene	ND		2250	2140	95	2220	99	4	82-121/20
75-00-3	Chloroethane	ND		2250	2110	94	2180	97	3	80-126/21
67-66-3	Chloroform	ND		2250	2420	108	2570	114	6	82-123/20
95-49-8	o-Chlorotoluene	ND		2250	2310	103	2000	89	14	78-125/25
106-43-4	p-Chlorotoluene	ND		2250	2100	93	2170	97	3	75-125/26
56-23-5	Carbon tetrachloride	ND		2250	2470	110	2550	113	3	82-127/22
75-34-3	1,1-Dichloroethane	ND		2250	2280	101	2360	105	3	80-123/20
75-35-4	1,1-Dichloroethylene	ND		2250	2040	91	2100	93	3	76-123/19
563-58-6	1,1-Dichloropropene	ND		2250	2220	99	2320	103	4	79-123/20
96-12-8	1,2-Dibromo-3-chloropropane	ND		2250	2390	106	2420	108	1	64-133/23
106-93-4	1,2-Dibromoethane	ND		2250	2220	99	2320	103	4	80-120/20
107-06-2	1,2-Dichloroethane	ND		2250	2680	119	2760	123	3	76-132/21
78-87-5	1,2-Dichloropropane	ND		2250	2190	97	2280	101	4	80-121/20
142-28-9	1,3-Dichloropropane	ND		2250	2250	100	2370	105	5	78-120/20
108-20-3	Di-Isopropyl ether	ND		2250	2270	101	2380	106	5	78-126/19
594-20-7	2,2-Dichloropropane	ND		2250	2300	102	2410	107	5	77-132/22
124-48-1	Dibromochloromethane	ND		2250	2370	105	2460	109	4	76-121/21
75-71-8	Dichlorodifluoromethane	ND		2250	2740	122	2830	126	3	51-135/23
156-59-2	cis-1,2-Dichloroethylene	ND		2250	2170	97	2250	100	4	79-123/20
10061-01-5	cis-1,3-Dichloropropene	ND		2250	2360	105	2470	110	5	81-124/21
541-73-1	m-Dichlorobenzene	ND		2250	2020	90	2100	93	4	79-123/23
95-50-1	o-Dichlorobenzene	ND		2250	2100	93	2170	97	3	79-124/22
106-46-7	p-Dichlorobenzene	ND		2250	2020	90	2110	94	4	79-123/22
156-60-5	trans-1,2-Dichloroethylene	ND		2250	2040	91	2170	97	6	78-120/19
10061-02-6	trans-1,3-Dichloropropene	ND		2250	2340	104	2450	109	5	81-123/22
100-41-4	Ethylbenzene	ND		2250	2190	97	2270	101	4	80-119/21
637-92-3	Ethyl tert-Butyl Ether	ND		2250	2450	109	2550	113	4	75-132/21

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C29798
Account: EBIMAB EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C29795-4MS	L27512.D	1	09/18/13	XB	n/a	n/a	VL870
C29795-4MSD	L27513.D	1	09/18/13	XB	n/a	n/a	VL870
C29795-4	L27511.D	1	09/18/13	XB	n/a	n/a	VL870

The QC reported here applies to the following samples: **Method:** SW846 8260B

C29798-1, C29798-2, C29798-5

CAS No.	Compound	C29795-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	ND		8990	8640	96	9180	102	6	68-139/24
87-68-3	Hexachlorobutadiene	ND		2250	2160	96	2180	97	1	81-126/32
98-82-8	Isopropylbenzene	ND		2250	2200	98	2280	101	4	81-122/22
99-87-6	p-Isopropyltoluene	ND		2250	2100	93	2150	96	2	81-121/23
108-10-1	4-Methyl-2-pentanone	ND		8990	9230	103	9690	108	5	74-136/23
74-83-9	Methyl bromide	ND		2250	2320	103	2380	106	3	82-124/20
74-87-3	Methyl chloride	ND		2250	2330	104	2180	97	7	60-132/26
74-95-3	Methylene bromide	ND		2250	2340	104	2450	109	5	82-120/20
75-09-2	Methylene chloride	ND		2250	2020	90	2120	94	5	75-119/20
78-93-3	Methyl ethyl ketone	ND		8990	8380	93	8810	98	5	71-130/22
1634-04-4	Methyl Tert Butyl Ether	ND		2250	2460	109	2590	115	5	79-127/19
91-20-3	Naphthalene	ND		2250	2200	98	2340	104	6	78-125/23
103-65-1	n-Propylbenzene	ND		2250	2040	91	2110	94	3	79-124/22
100-42-5	Styrene	ND		2250	2250	100	2350	105	4	83-122/21
994-05-8	Tert-Amyl Methyl Ether	ND		2250	2440	109	2560	114	5	80-127/20
75-65-0	Tert Butyl Alcohol	ND		11200	11400	101	11700	104	3	65-144/23
630-20-6	1,1,1,2-Tetrachloroethane	ND		2250	2300	102	2390	106	4	82-123/21
71-55-6	1,1,1-Trichloroethane	ND		2250	2510	112	2620	117	4	79-129/21
79-34-5	1,1,2,2-Tetrachloroethane	ND		2250	2070	92	2170	97	5	77-126/20
79-00-5	1,1,2-Trichloroethane	ND		2250	2170	97	2270	101	5	79-123/20
87-61-6	1,2,3-Trichlorobenzene	ND		2250	2140	95	2170	97	1	81-122/26
96-18-4	1,2,3-Trichloropropane	ND		2250	2370	105	2490	111	5	79-122/24
120-82-1	1,2,4-Trichlorobenzene	ND		2250	2030	90	2120	94	4	81-121/26
95-63-6	1,2,4-Trimethylbenzene	ND		2250	2120	94	2200	98	4	82-121/24
108-67-8	1,3,5-Trimethylbenzene	ND		2250	2110	94	2170	97	3	81-123/23
127-18-4	Tetrachloroethylene	ND		2250	2100	93	2160	96	3	80-125/25
108-88-3	Toluene	ND		2250	2090	93	2190	97	5	80-117/21
79-01-6	Trichloroethylene	ND		2250	2210	98	2290	102	4	81-122/20
75-69-4	Trichlorofluoromethane	ND		2250	2620	117	2700	120	3	77-133/22
75-01-4	Vinyl chloride	ND		2250	2360	105	2460	109	4	71-133/23
1330-20-7	Xylene (total)	ND		6740	6430	95	6710	100	4	81-122/22

CAS No.	Surrogate Recoveries	MS	MSD	C29795-4	Limits
1868-53-7	Dibromofluoromethane	103%	104%	100%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C29798
Account: EBIMAB EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C29795-4MS	L27512.D	1	09/18/13	XB	n/a	n/a	VL870
C29795-4MSD	L27513.D	1	09/18/13	XB	n/a	n/a	VL870
C29795-4	L27511.D	1	09/18/13	XB	n/a	n/a	VL870

The QC reported here applies to the following samples: **Method:** SW846 8260B

C29798-1, C29798-2, C29798-5

CAS No.	Surrogate Recoveries	MS	MSD	C29795-4	Limits
2037-26-5	Toluene-D8	98%	97%	99%	70-130%
460-00-4	4-Bromofluorobenzene	107%	109%	105%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C29798
Account: EBIMAB EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C29814-1MS	L27565.D	1	09/20/13	XB	n/a	n/a	VL871
C29814-1MSD	L27566.D	1	09/20/13	XB	n/a	n/a	VL871
C29814-1	L27530.D	1	09/19/13	XB	n/a	n/a	VL871

The QC reported here applies to the following samples: **Method:** SW846 8260B

C29798-3, C29798-4

CAS No.	Compound	C29814-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		155	176	113	187	119	6	62-130/24
71-43-2	Benzene	ND		38.8	35.9	92	37.4	95	4	81-119/20
108-86-1	Bromobenzene	ND		38.8	34.8	90	35.7	90	3	79-120/22
74-97-5	Bromochloromethane	ND		38.8	36.5	94	37.6	95	3	81-120/19
75-27-4	Bromodichloromethane	ND		38.8	42.1	108	44.2	112	5	79-124/20
75-25-2	Bromoform	ND		38.8	43.7	113	47.3	120	8	76-128/21
104-51-8	n-Butylbenzene	ND		38.8	36.6	94	36.9	94	1	79-123/26
135-98-8	sec-Butylbenzene	ND		38.8	36.8	95	36.8	93	0	77-122/24
98-06-6	tert-Butylbenzene	ND		38.8	37.4	96	37.5	95	0	77-121/23
108-90-7	Chlorobenzene	ND		38.8	36.3	93	37.8	96	4	82-121/20
75-00-3	Chloroethane	ND		38.8	34.5	89	36.7	93	6	80-126/21
67-66-3	Chloroform	ND		38.8	40.1	103	41.2	104	3	82-123/20
95-49-8	o-Chlorotoluene	ND		38.8	40.5	104	37.3	95	8	78-125/25
106-43-4	p-Chlorotoluene	ND		38.8	36.7	95	37.0	94	1	75-125/26
56-23-5	Carbon tetrachloride	ND		38.8	44.7	115	45.4	115	2	82-127/22
75-34-3	1,1-Dichloroethane	ND		38.8	37.2	96	37.9	96	2	80-123/20
75-35-4	1,1-Dichloroethylene	ND		38.8	35.4	91	35.3	89	0	76-123/19
563-58-6	1,1-Dichloropropene	ND		38.8	38.6	99	38.9	99	1	79-123/20
96-12-8	1,2-Dibromo-3-chloropropane	ND		38.8	48.7	125	53.5	136* [a]	9	64-133/23
106-93-4	1,2-Dibromoethane	ND		38.8	39.7	102	42.2	107	6	80-120/20
107-06-2	1,2-Dichloroethane	ND		38.8	44.7	115	48.0	122	7	76-132/21
78-87-5	1,2-Dichloropropane	ND		38.8	35.5	91	37.6	95	6	80-121/20
142-28-9	1,3-Dichloropropane	ND		38.8	39.2	101	41.5	105	6	78-120/20
108-20-3	Di-Isopropyl ether	ND		38.8	36.5	94	38.0	96	4	78-126/19
594-20-7	2,2-Dichloropropane	ND		38.8	43.0	111	42.9	109	0	77-132/22
124-48-1	Dibromochloromethane	ND		38.8	42.4	109	45.6	116	7	76-121/21
75-71-8	Dichlorodifluoromethane	ND		38.8	49.0	126	49.9	126	2	51-135/23
156-59-2	cis-1,2-Dichloroethylene	ND		38.8	35.1	90	36.0	91	3	79-123/20
10061-01-5	cis-1,3-Dichloropropene	ND		38.8	39.1	101	41.7	106	6	81-124/21
541-73-1	m-Dichlorobenzene	ND		38.8	35.0	90	36.0	91	3	79-123/23
95-50-1	o-Dichlorobenzene	ND		38.8	36.0	93	37.7	96	5	79-124/22
106-46-7	p-Dichlorobenzene	ND		38.8	35.6	92	36.2	92	2	79-123/22
156-60-5	trans-1,2-Dichloroethylene	ND		38.8	34.6	89	35.3	89	2	78-120/19
10061-02-6	trans-1,3-Dichloropropene	ND		38.8	41.6	107	44.2	112	6	81-123/22
100-41-4	Ethylbenzene	ND		38.8	38.9	100	39.6	100	2	80-119/21
637-92-3	Ethyl tert-Butyl Ether	ND		38.8	39.7	102	42.0	106	6	75-132/21

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C29798
Account: EBIMAB EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C29814-1MS	L27565.D	1	09/20/13	XB	n/a	n/a	VL871
C29814-1MSD	L27566.D	1	09/20/13	XB	n/a	n/a	VL871
C29814-1	L27530.D	1	09/19/13	XB	n/a	n/a	VL871

The QC reported here applies to the following samples: **Method:** SW846 8260B

C29798-3, C29798-4

CAS No.	Compound	C29814-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	ND		155	183	118	202	128	10	68-139/24
87-68-3	Hexachlorobutadiene	ND		38.8	36.3	93	37.3	95	3	81-126/32
98-82-8	Isopropylbenzene	ND		38.8	39.0	100	39.9	101	2	81-122/22
99-87-6	p-Isopropyltoluene	ND		38.8	37.4	96	37.4	95	0	81-121/23
108-10-1	4-Methyl-2-pentanone	ND		155	178	115	196	124	10	74-136/23
74-83-9	Methyl bromide	ND		38.8	37.6	97	39.5	100	5	82-124/20
74-87-3	Methyl chloride	ND		38.8	37.6	97	37.0	94	2	60-132/26
74-95-3	Methylene bromide	ND		38.8	39.9	103	43.1	109	8	82-120/20
75-09-2	Methylene chloride	ND		38.8	32.4	83	33.4	85	3	75-119/20
78-93-3	Methyl ethyl ketone	ND		155	173	111	183	116	6	71-130/22
1634-04-4	Methyl Tert Butyl Ether	ND		38.8	41.7	107	44.7	113	7	79-127/19
91-20-3	Naphthalene	ND		38.8	42.1	108	45.6	116	8	78-125/23
103-65-1	n-Propylbenzene	ND		38.8	36.6	94	36.5	93	0	79-124/22
100-42-5	Styrene	ND		38.8	38.1	98	40.0	101	5	83-122/21
994-05-8	Tert-Amyl Methyl Ether	ND		38.8	40.4	104	42.7	108	6	80-127/20
75-65-0	Tert Butyl Alcohol	ND		194	259	133	259	131	0	65-144/23
630-20-6	1,1,1,2-Tetrachloroethane	ND		38.8	40.0	103	41.9	106	5	82-123/21
71-55-6	1,1,1-Trichloroethane	ND		38.8	44.3	114	44.1	112	0	79-129/21
79-34-5	1,1,2,2-Tetrachloroethane	ND		38.8	39.1	101	41.4	105	6	77-126/20
79-00-5	1,1,2-Trichloroethane	ND		38.8	37.8	97	40.3	102	6	79-123/20
87-61-6	1,2,3-Trichlorobenzene	ND		38.8	37.0	95	39.5	100	7	81-122/26
96-18-4	1,2,3-Trichloropropane	ND		38.8	45.6	117	48.6	123* [a]	6	79-122/24
120-82-1	1,2,4-Trichlorobenzene	ND		38.8	36.1	93	37.5	95	4	81-121/26
95-63-6	1,2,4-Trimethylbenzene	ND		38.8	37.3	96	38.0	96	2	82-121/24
108-67-8	1,3,5-Trimethylbenzene	ND		38.8	37.6	97	37.4	95	1	81-123/23
127-18-4	Tetrachloroethylene	ND		38.8	40.6	105	42.2	107	4	80-125/25
108-88-3	Toluene	ND		38.8	36.3	93	37.0	94	2	80-117/21
79-01-6	Trichloroethylene	ND		38.8	37.5	97	38.6	98	3	81-122/20
75-69-4	Trichlorofluoromethane	ND		38.8	46.7	120	48.3	122	3	77-133/22
75-01-4	Vinyl chloride	ND		38.8	46.6	120	48.0	122	3	71-133/23
1330-20-7	Xylene (total)	ND		117	112	96	115	97	3	81-122/22

CAS No.	Surrogate Recoveries	MS	MSD	C29814-1	Limits
1868-53-7	Dibromofluoromethane	106%	104%	107%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C29798
Account: EBIMAB EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C29814-1MS	L27565.D	1	09/20/13	XB	n/a	n/a	VL871
C29814-1MSD	L27566.D	1	09/20/13	XB	n/a	n/a	VL871
C29814-1	L27530.D	1	09/19/13	XB	n/a	n/a	VL871

The QC reported here applies to the following samples: **Method:** SW846 8260B

C29798-3, C29798-4

CAS No.	Surrogate Recoveries	MS	MSD	C29814-1	Limits
2037-26-5	Toluene-D8	99%	99%	97%	70-130%
460-00-4	4-Bromofluorobenzene	110%	108%	108%	70-130%

(a) Outside laboratory control limits. AZ:M1

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C29798
Account: EBIMAB EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C29813-1MS	L27568.D	1	09/20/13	XB	n/a	n/a	VL872
C29813-1MSD	L27569.D	1	09/20/13	XB	n/a	n/a	VL872
C29813-1	L27567.D	1	09/20/13	XB	n/a	n/a	VL872

The QC reported here applies to the following samples: **Method:** SW846 8260B

C29798-4

CAS No.	Compound	C29813-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
91-20-3	Naphthalene	4.9	U	38.8	22.8	59* [a]	25.6	65* [a]	12	78-125/23
95-63-6	1,2,4-Trimethylbenzene	4.9	U	38.8	26.4	68* [a]	26.6	67* [a]	1	82-121/24
1330-20-7	Xylene (total)	9.9	U	116	85.1	73* [a]	85.8	72* [a]	1	81-122/22

CAS No.	Surrogate Recoveries	MS	MSD	C29813-1	Limits
1868-53-7	Dibromofluoromethane	106%	107%	106%	70-130%
2037-26-5	Toluene-D8	98%	98%	98%	70-130%
460-00-4	4-Bromofluorobenzene	108%	109%	106%	70-130%

(a) Outside laboratory control limits.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C29798
Account: EBIMAB EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C29798-8MS	W42032.D	20	09/26/13	BD	n/a	n/a	VW1483
C29798-8MSD	W42033.D	20	09/26/13	BD	n/a	n/a	VW1483
C29798-8	W42025.D	20	09/25/13	BD	n/a	n/a	VW1483

The QC reported here applies to the following samples: **Method:** SW846 8260B

C29798-6, C29798-7, C29798-8, C29798-9, C29798-10

CAS No.	Compound	C29798-8 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		1600	1480	93	1360	85	8	38-159/24
71-43-2	Benzene	79.0		400	477	100	485	102	2	77-122/16
108-86-1	Bromobenzene	ND		400	437	109	440	110	1	76-126/17
74-97-5	Bromochloromethane	ND		400	437	109	424	106	3	77-130/17
75-27-4	Bromodichloromethane	ND		400	416	104	484	121	15	75-127/16
75-25-2	Bromoform	ND		400	428	107	413	103	4	69-141/17
104-51-8	n-Butylbenzene	ND		400	427	107	599	150*	34*	72-129/18
135-98-8	sec-Butylbenzene	7.0	J	400	394	97	412	101	4	74-128/18
98-06-6	tert-Butylbenzene	ND		400	611	153*	972	243*	46*	73-127/18
108-90-7	Chlorobenzene	ND		400	409	102	402	101	2	77-122/16
75-00-3	Chloroethane	ND		400	410	103	405	101	1	69-133/18
67-66-3	Chloroform	ND		400	413	103	406	102	2	74-126/17
95-49-8	o-Chlorotoluene	ND		400	364	91	347	87	5	72-127/20
106-43-4	p-Chlorotoluene	ND		400	402	101	398	100	1	68-127/18
56-23-5	Carbon tetrachloride	ND		400	377	94	409	102	8	71-133/19
75-34-3	1,1-Dichloroethane	ND		400	413	103	415	104	0	71-125/17
75-35-4	1,1-Dichloroethylene	ND		400	389	97	432	108	10	66-125/20
563-58-6	1,1-Dichloropropene	ND		400	380	95	409	102	7	75-124/18
96-12-8	1,2-Dibromo-3-chloropropane	ND		400	417	104	417	104	0	65-131/20
106-93-4	1,2-Dibromoethane	ND		400	425	106	416	104	2	75-135/17
107-06-2	1,2-Dichloroethane	ND		400	371	93	354	89	5	71-131/17
78-87-5	1,2-Dichloropropane	ND		400	422	106	445	111	5	78-124/16
142-28-9	1,3-Dichloropropane	ND		400	409	102	394	99	4	78-123/16
108-20-3	Di-Isopropyl ether	ND		400	401	100	388	97	3	68-129/17
594-20-7	2,2-Dichloropropane	ND		400	333	83	367	92	10	70-131/19
124-48-1	Dibromochloromethane	ND		400	462	116	451	113	2	76-132/16
75-71-8	Dichlorodifluoromethane	ND		400	500	125	455	114	9	32-168/28
156-59-2	cis-1,2-Dichloroethylene	ND		400	438	110	425	106	3	73-126/17
10061-01-5	cis-1,3-Dichloropropene	ND		400	439	110	431	108	2	72-130/16
541-73-1	m-Dichlorobenzene	ND		400	406	102	403	101	1	75-124/16
95-50-1	o-Dichlorobenzene	ND		400	414	104	416	104	0	76-124/16
106-46-7	p-Dichlorobenzene	ND		400	439	110	435	109	1	75-124/16
156-60-5	trans-1,2-Dichloroethylene	ND		400	436	109	440	110	1	71-126/18
10061-02-6	trans-1,3-Dichloropropene	ND		400	403	101	391	98	3	71-126/16
100-41-4	Ethylbenzene	566		400	954	97	1650	271* [a]	53* [a]	76-126/17
637-92-3	Ethyl Tert Butyl Ether	ND		400	464	116	447	112	4	75-134/17

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C29798
Account: EBIMAB EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C29798-8MS	W42032.D	20	09/26/13	BD	n/a	n/a	VW1483
C29798-8MSD	W42033.D	20	09/26/13	BD	n/a	n/a	VW1483
C29798-8	W42025.D	20	09/25/13	BD	n/a	n/a	VW1483

The QC reported here applies to the following samples: **Method:** SW846 8260B

C29798-6, C29798-7, C29798-8, C29798-9, C29798-10

CAS No.	Compound	C29798-8 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	ND		1600	1530	96	1460	91	5	67-150/22
87-68-3	Hexachlorobutadiene	ND		400	397	99	363	91	9	69-135/20
98-82-8	Isopropylbenzene	31.3		400	414	96	496	116	18*	61-125/17
99-87-6	p-Isopropyltoluene	7.5	J	400	399	98	422	104	6	68-127/18
108-10-1	4-Methyl-2-pentanone	ND		1600	1480	93	1480	93	0	71-142/21
74-83-9	Methyl bromide	ND		400	448	112	433	108	3	68-132/18
74-87-3	Methyl chloride	ND		400	392	98	367	92	7	39-150/28
74-95-3	Methylene bromide	ND		400	412	103	394	99	4	77-127/16
75-09-2	Methylene chloride	ND		400	435	109	422	106	3	67-128/18
78-93-3	Methyl ethyl ketone	ND		1600	1640	103	1500	94	9	56-155/23
1634-04-4	Methyl Tert Butyl Ether	ND		400	451	113	428	107	5	73-132/17
91-20-3	Naphthalene	601		400	1040	110	2130	382*	69*	70-136/20
103-65-1	n-Propylbenzene	97.9		400	473	94	822	181*	54*	71-127/17
100-42-5	Styrene	ND		400	479	120	489	122	2	72-134/16
994-05-8	Tert-Amyl Methyl Ether	ND		400	474	119	459	115	3	73-133/17
75-65-0	Tert-Butyl Alcohol	ND		2000	2200	110	2040	102	8	60-149/26
630-20-6	1,1,1,2-Tetrachloroethane	ND		400	453	113	445	111	2	77-130/16
71-55-6	1,1,1-Trichloroethane	ND		400	395	99	405	101	3	74-128/19
79-34-5	1,1,2,2-Tetrachloroethane	ND		400	448	112	438	110	2	77-129/17
79-00-5	1,1,2-Trichloroethane	ND		400	437	109	428	107	2	77-125/16
87-61-6	1,2,3-Trichlorobenzene	ND		400	440	110	390	98	12	70-133/18
96-18-4	1,2,3-Trichloropropane	ND		400	408	102	404	101	1	69-126/18
120-82-1	1,2,4-Trichlorobenzene	ND		400	429	107	399	100	7	68-129/17
95-63-6	1,2,4-Trimethylbenzene	1160		400	1480	80	3930	693* b	91*	74-129/17
108-67-8	1,3,5-Trimethylbenzene	284		400	740	114	1630	337*	75*	77-129/17
127-18-4	Tetrachloroethylene	131		400	518	97	719	147*	32*	69-127/20
108-88-3	Toluene	432		400	843	103	1020	147*	19*	75-122/17
79-01-6	Trichloroethylene	ND		400	405	101	435	109	7	78-123/17
75-69-4	Trichlorofluoromethane	ND		400	429	107	390	98	10	65-136/23
75-01-4	Vinyl chloride	ND		400	378	95	348	87	8	57-146/22
1330-20-7	Xylene (total)	3060		1200	4000	78	6760	308* b	51*	77-125/17

CAS No.	Surrogate Recoveries	MS	MSD	C29798-8	Limits
1868-53-7	Dibromofluoromethane	107%	105%	110%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C29798
Account: EBIMAB EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C29798-8MS	W42032.D	20	09/26/13	BD	n/a	n/a	VW1483
C29798-8MSD	W42033.D	20	09/26/13	BD	n/a	n/a	VW1483
C29798-8	W42025.D	20	09/25/13	BD	n/a	n/a	VW1483

The QC reported here applies to the following samples: **Method:** SW846 8260B

C29798-6, C29798-7, C29798-8, C29798-9, C29798-10

CAS No.	Surrogate Recoveries	MS	MSD	C29798-8	Limits
2037-26-5	Toluene-D8	107%	107%	107%	70-130%
460-00-4	4-Bromofluorobenzene	99%	99%	97%	70-130%

(a) Outside laboratory control limits.
(b) Outside control limits due to high level in sample relative to spike amount.

* = Outside of Control Limits.

Northern California ACCUTEST LABORATORIES

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: C29798
Account: EBIMAB EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8723-MB	Y22448.D	1	09/18/13	MT	09/18/13	OP8723	EY1041

The QC reported here applies to the following samples: **Method:** SW846 8270C

C29798-6, C29798-7, C29798-8, C29798-9, C29798-10

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	5.0	1.3	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.2	ug/l	
120-12-7	Anthracene	ND	5.0	1.3	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.4	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.1	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.3	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	1.5	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.4	ug/l	
218-01-9	Chrysene	ND	5.0	1.6	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	1.3	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.5	ug/l	
86-73-7	Fluorene	ND	5.0	1.5	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	1.4	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.0	1.3	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	1.3	ug/l	
91-20-3	Naphthalene	ND	5.0	1.2	ug/l	
85-01-8	Phenanthrene	ND	5.0	1.3	ug/l	
129-00-0	Pyrene	ND	5.0	1.6	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	34%	10-73%
4165-62-2	Phenol-d5	26%	10-53%
118-79-6	2,4,6-Tribromophenol	96%	10-133%
4165-60-0	Nitrobenzene-d5	86%	27-112%
321-60-8	2-Fluorobiphenyl	89%	27-112%
1718-51-0	Terphenyl-d14	98%	45-128%

Method Blank Summary

Job Number: C29798
Account: EBIMAB EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8728-MB	Y22467.D	1	09/19/13	MT	09/19/13	OP8728	EY1042

The QC reported here applies to the following samples: **Method:** SW846 8270C

C29798-1, C29798-2, C29798-3, C29798-4, C29798-5

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	170	73	ug/kg	
208-96-8	Acenaphthylene	ND	170	78	ug/kg	
120-12-7	Anthracene	ND	170	54	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	33	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	33	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	33	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	43	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	33	ug/kg	
218-01-9	Chrysene	ND	170	33	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	41	ug/kg	
206-44-0	Fluoranthene	ND	170	33	ug/kg	
86-73-7	Fluorene	ND	170	72	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	43	ug/kg	
90-12-0	1-Methylnaphthalene	ND	170	76	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	80	ug/kg	
91-20-3	Naphthalene	ND	170	77	ug/kg	
85-01-8	Phenanthrene	ND	170	58	ug/kg	
129-00-0	Pyrene	ND	170	33	ug/kg	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	65%	14-99%
4165-62-2	Phenol-d5	68%	18-100%
118-79-6	2,4,6-Tribromophenol	80%	25-107%
4165-60-0	Nitrobenzene-d5	64%	15-101%
321-60-8	2-Fluorobiphenyl	67%	15-104%
1718-51-0	Terphenyl-d14	81%	56-123%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C29798
Account: EBIMAB EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8723-BS	Y22449.D	1	09/18/13	MT	09/18/13	OP8723	EY1041
OP8723-BSD	Y22450.D	1	09/18/13	MT	09/18/13	OP8723	EY1041

The QC reported here applies to the following samples: **Method:** SW846 8270C

C29798-6, C29798-7, C29798-8, C29798-9, C29798-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	25	21.7	87	22.1	88	2	68-105/26
208-96-8	Acenaphthylene	25	22.1	88	22.0	88	0	68-110/26
120-12-7	Anthracene	25	23.7	95	23.9	96	1	71-109/14
56-55-3	Benzo(a)anthracene	25	23.6	94	23.7	95	0	76-118/26
50-32-8	Benzo(a)pyrene	25	23.0	92	23.6	94	3	77-112/26
205-99-2	Benzo(b)fluoranthene	25	23.4	94	22.5	90	4	73-117/18
191-24-2	Benzo(g,h,i)perylene	25	21.6	86	21.7	87	0	60-129/28
207-08-9	Benzo(k)fluoranthene	25	23.2	93	23.4	94	1	78-121/27
218-01-9	Chrysene	25	22.8	91	22.8	91	0	75-123/25
53-70-3	Dibenzo(a,h)anthracene	25	22.9	92	23.2	93	1	64-125/27
206-44-0	Fluoranthene	25	24.7	99	24.9	100	1	72-114/28
86-73-7	Fluorene	25	23.4	94	23.8	95	2	69-108/16
193-39-5	Indeno(1,2,3-cd)pyrene	25	22.3	89	21.6	86	3	62-125/28
90-12-0	1-Methylnaphthalene	25	21.0	84	21.0	84	0	59-102/26
91-57-6	2-Methylnaphthalene	25	21.4	86	21.4	86	0	59-100/27
91-20-3	Naphthalene	25	19.9	80	20.2	81	1	61-114/27
85-01-8	Phenanthrene	25	23.5	94	23.5	94	0	71-111/26
129-00-0	Pyrene	25	24.6	98	24.0	96	2	64-121/28

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
367-12-4	2-Fluorophenol	33%	43%	10-73%
4165-62-2	Phenol-d5	26%	31%	10-53%
118-79-6	2,4,6-Tribromophenol	101%	104%	10-133%
4165-60-0	Nitrobenzene-d5	80%	84%	27-112%
321-60-8	2-Fluorobiphenyl	89%	90%	27-112%
1718-51-0	Terphenyl-d14	98%	96%	45-128%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C29798
Account: EBIMAB EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8728-BS	Y22468.D	1	09/19/13	MT	09/19/13	OP8728	EY1042
OP8728-BSD	Y22469.D	1	09/19/13	MT	09/19/13	OP8728	EY1042

The QC reported here applies to the following samples: **Method:** SW846 8270C

C29798-1, C29798-2, C29798-3, C29798-4, C29798-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	833	599	72	708	85	17	34-112/28
208-96-8	Acenaphthylene	833	598	72	709	85	17	33-115/28
120-12-7	Anthracene	833	662	79	796	96	18	59-111/21
56-55-3	Benzo(a)anthracene	833	658	79	802	96	20	72-122/22
50-32-8	Benzo(a)pyrene	833	666	80	814	98	20	71-120/22
205-99-2	Benzo(b)fluoranthene	833	629	75	757	91	18	67-123/24
191-24-2	Benzo(g,h,i)perylene	833	657	79	800	96	20	57-134/24
207-08-9	Benzo(k)fluoranthene	833	655	79	834	100	24	74-126/25
218-01-9	Chrysene	833	636	76	773	93	19	73-125/22
53-70-3	Dibenzo(a,h)anthracene	833	688	83	835	100	19	59-132/23
206-44-0	Fluoranthene	833	698	84	841	101	19	69-117/21
86-73-7	Fluorene	833	645	77	765	92	17	42-112/24
193-39-5	Indeno(1,2,3-cd)pyrene	833	643	77	751	90	15	60-131/21
90-12-0	1-Methylnaphthalene	833	576	69	690	83	18	33-110/30
91-57-6	2-Methylnaphthalene	833	579	69	693	83	18	33-107/30
91-20-3	Naphthalene	833	553	66	665	80	18	32-121/31
85-01-8	Phenanthrene	833	657	79	797	96	19	57-113/21
129-00-0	Pyrene	833	643	77	787	94	20	63-120/20

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
367-12-4	2-Fluorophenol	63%	78%	14-99%
4165-62-2	Phenol-d5	69%	85%	18-100%
118-79-6	2,4,6-Tribromophenol	82%	100%	25-107%
4165-60-0	Nitrobenzene-d5	64%	79%	15-101%
321-60-8	2-Fluorobiphenyl	70%	83%	15-104%
1718-51-0	Terphenyl-d14	74%	91%	56-123%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C29798
Account: EBIMAB EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8728-MS	Y22470.D	1	09/19/13	MT	09/19/13	OP8728	EY1042
OP8728-MSD	Y22471.D	1	09/19/13	MT	09/19/13	OP8728	EY1042
C29798-5	Y22472.D	1	09/19/13	MT	09/19/13	OP8728	EY1042

The QC reported here applies to the following samples: **Method:** SW846 8270C

C29798-1, C29798-2, C29798-3, C29798-4, C29798-5

CAS No.	Compound	C29798-5 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	ND		831	502	60	509	61	1	34-112/28
208-96-8	Acenaphthylene	ND		831	494	59	510	61	3	33-115/28
120-12-7	Anthracene	ND		831	682	82	680	82	0	59-111/21
56-55-3	Benzo(a)anthracene	ND		831	716	86	696	84	3	72-122/22
50-32-8	Benzo(a)pyrene	ND		831	722	87	701	84	3	71-120/22
205-99-2	Benzo(b)fluoranthene	ND		831	676	81	661	80	2	67-123/24
191-24-2	Benzo(g,h,i)perylene	ND		831	706	85	699	84	1	57-134/24
207-08-9	Benzo(k)fluoranthene	ND		831	719	86	710	85	1	74-126/25
218-01-9	Chrysene	ND		831	695	84	683	82	2	73-125/22
53-70-3	Dibenzo(a,h)anthracene	ND		831	745	90	726	87	3	59-132/23
206-44-0	Fluoranthene	ND		831	747	90	740	89	1	69-117/21
86-73-7	Fluorene	ND		831	596	72	597	72	0	42-112/24
193-39-5	Indeno(1,2,3-cd)pyrene	ND		831	716	86	674	81	6	60-131/21
90-12-0	1-Methylnaphthalene	ND		831	428	51	443	53	3	33-110/30
91-57-6	2-Methylnaphthalene	ND		831	445	54	464	56	4	33-107/30
91-20-3	Naphthalene	ND		831	398	48	402	48	1	32-121/31
85-01-8	Phenanthrene	ND		831	674	81	674	81	0	57-113/21
129-00-0	Pyrene	ND		831	706	85	668	80	6	63-120/20

CAS No.	Surrogate Recoveries	MS	MSD	C29798-5	Limits
367-12-4	2-Fluorophenol	46%	47%		14-99%
4165-62-2	Phenol-d5	51%	54%		18-100%
118-79-6	2,4,6-Tribromophenol	87%	85%		25-107%
4165-60-0	Nitrobenzene-d5	47%	48%	44%	15-101%
321-60-8	2-Fluorobiphenyl	57%	58%	48%	15-104%
1718-51-0	Terphenyl-d14	85%	79%	80%	56-123%

* = Outside of Control Limits.

Northern California ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: C29798
Account: EBIMAB - EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

QC Batch ID: MP6738 Methods: SW846 7471A
Matrix Type: SOLID Units: mg/kg

Prep Date: 09/19/13

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.042	.0017	.0043	-0.00098	<0.042

Associated samples MP6738: C29798-1, C29798-2, C29798-3, C29798-4, C29798-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C29798
Account: EBIMAB - EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

QC Batch ID: MP6738 Methods: SW846 7471A
Matrix Type: SOLID Units: mg/kg

Prep Date: 09/19/13

Metal	C29795-1 Original	MSD	Spikelot HGPWS1	% Rec	MSD RPD	QC Limit
Mercury	0.089	0.57	0.323	149.1N(a	9.2	20

Associated samples MP6738: C29798-1, C29798-2, C29798-3, C29798-4, C29798-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C29798
Account: EBIMAB - EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

QC Batch ID: MP6738
Matrix Type: SOLID

Methods: SW846 7471A
Units: mg/kg

Prep Date: 09/19/13

Metal	C29795-1 Original	MS	Spikelot HGPWS1	% Rec	QC Limits
Mercury	0.089	0.52	0.294	146.5N(a	75-125

Associated samples MP6738: C29798-1, C29798-2, C29798-3, C29798-4, C29798-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: C29798
Account: EBIMAB - EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

QC Batch ID: MP6738
Matrix Type: SOLID

Methods: SW846 7471A
Units: mg/kg

Prep Date: 09/19/13

Metal	BSP Result	Spikelot HGPWS1	% Rec	QC Limits
Mercury	0.17	0.167	102.0	80-120

Associated samples MP6738: C29798-1, C29798-2, C29798-3, C29798-4, C29798-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: C29798
Account: EBIMAB - EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

QC Batch ID: MP6743
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 09/20/13

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.20	.02	.08	0.029	<0.20

Associated samples MP6743: C29798-6F, C29798-7F, C29798-8F, C29798-9F, C29798-10F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C29798
Account: EBIMAB - EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

QC Batch ID: MP6743
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 09/20/13

Metal	C29793-2F Original	MSD	Spikelot HGPWS1	% Rec	MSD RPD	QC Limit
Mercury	0.045	1.7	4	41.4N(a)	6.1	30

Associated samples MP6743: C29798-6F, C29798-7F, C29798-8F, C29798-9F, C29798-10F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C29798
Account: EBIMAB - EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

QC Batch ID: MP6743
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 09/20/13

Metal	C29793-2F Original	MS	Spikelot HGPWS1	% Rec	QC Limits
Mercury	0.045	1.6	4	38.9N(a)	75-125

Associated samples MP6743: C29798-6F, C29798-7F, C29798-8F, C29798-9F, C29798-10F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: C29798
Account: EBIMAB - EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

QC Batch ID: MP6743
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 09/20/13

Metal	BSP Result	Spikelot HGPWS1	% Rec	QC Limits
Mercury	2.0	2	100.0	85-115

Associated samples MP6743: C29798-6F, C29798-7F, C29798-8F, C29798-9F, C29798-10F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: C29798
Account: EBIMAB - EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

QC Batch ID: MP6747
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 09/22/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	13	8.5		
Antimony	6.0	.7	.51		
Arsenic	10	.7	.65	-1.0	<10
Barium	200	.4	.35	0.20	<200
Beryllium	5.0	.2	.4		
Bismuth	20		2.9		
Boron	100	.9	.64		
Cadmium	2.0	.2	.15	0.10	<2.0
Calcium	5000	7.1	12		
Chromium	10	.3	.41	0.50	<10
Cobalt	5.0	.2	.3		
Copper	10	1.2	3		
Iron	200	6.4	12		
Lead	10	.7	.85	0.60	<10
Lithium	50		2		
Magnesium	5000	27	36		
Manganese	15	.1	1.3		
Molybdenum	20	.2	.22		
Nickel	5.0	.2	.12		
Potassium	10000	18	44		
Selenium	10	1.8	2.2	0.10	<10
Silicon	100	1.2	6.9		
Silver	5.0	.3	.47	0.10	<5.0
Sodium	10000	15	13		
Strontium	10	.2	.24		
Thallium	10	.5	.54		
Tin	50	.2	.7		
Titanium	10	.4	.34		
Vanadium	10	.3	.3		
Zinc	20	.3	4.2		

Associated samples MP6747: C29798-6F, C29798-7F, C29798-8F, C29798-9F, C29798-10F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C29798
Account: EBIMAB - EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

QC Batch ID: MP6747
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 09/22/13

Metal	C29798-6F Original	MS	Spikelot MPIR4A	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	0.0	496	500	99.2	75-125
Barium	9.2	511	500	100.4	75-125
Beryllium					
Bismuth					
Boron					
Cadmium	0.40	500	500	99.9	75-125
Calcium					
Chromium	0.60	523	500	104.5	75-125
Cobalt					
Copper					
Iron					
Lead	0.0	505	500	101.0	75-125
Lithium					
Magnesium					
Manganese					
Molybdenum					
Nickel					
Potassium					
Selenium	0.0	499	500	99.8	75-125
Silicon					
Silver	0.0	482	500	96.4	75-125
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Vanadium					
Zinc					

Associated samples MP6747: C29798-6F, C29798-7F, C29798-8F, C29798-9F, C29798-10F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C29798
Account: EBIMAB - EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

QC Batch ID: MP6747
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 09/22/13

Metal	C29798-6F Original	MSD	Spikelot MPIR4A	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	0.0	485	500	97.0	2.2	20
Barium	9.2	500	500	98.2	2.2	20
Beryllium						
Bismuth						
Boron						
Cadmium	0.40	491	500	98.1	1.8	20
Calcium						
Chromium	0.60	514	500	102.7	1.7	20
Cobalt						
Copper						
Iron						
Lead	0.0	494	500	98.8	2.2	20
Lithium						
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium	0.0	485	500	97.0	2.8	20
Silicon						
Silver	0.0	473	500	94.6	1.9	20
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

Associated samples MP6747: C29798-6F, C29798-7F, C29798-8F, C29798-9F, C29798-10F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: C29798
Account: EBIMAB - EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

QC Batch ID: MP6747
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date:			09/22/13					09/22/13	
Metal	BSP Result	Spikelot MPIR4A	% Rec	QC Limits	BSD Result	Spikelot MPIR4A	% Rec	BSD RPD	QC Limit
Aluminum									
Antimony									
Arsenic	488	500	97.6	80-120	483	500	96.6	1.0	
Barium	502	500	100.4	80-120	500	500	100.0	0.4	
Beryllium									
Bismuth									
Boron									
Cadmium	503	500	100.6	80-120	497	500	99.4	1.2	
Calcium									
Chromium	527	500	105.4	80-120	521	500	104.2	1.1	
Cobalt									
Copper									
Iron									
Lead	498	500	99.6	80-120	494	500	98.8	0.8	
Lithium									
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium	491	500	98.2	80-120	485	500	97.0	1.2	
Silicon									
Silver	484	500	96.8	80-120	480	500	96.0	0.8	
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

Associated samples MP6747: C29798-6F, C29798-7F, C29798-8F, C29798-9F, C29798-10F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: C29798
Account: EBIMAB - EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

QC Batch ID: MP6747
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 09/22/13

Metal	C29798-6F Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	0.00	0.00	NC	0-10
Barium	9.20	10.1	9.8	0-10
Beryllium				
Bismuth				
Boron				
Cadmium	0.400	1.70	325.0(a)	0-10
Calcium				
Chromium	0.600	2.60	333.3(a)	0-10
Cobalt				
Copper				
Iron				
Lead	0.00	0.00	NC	0-10
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium	0.00	9.90	NC	0-10
Silicon				
Silver	0.00	0.00	NC	0-10
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP6747: C29798-6F, C29798-7F, C29798-8F, C29798-9F, C29798-10F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: C29798
Account: EBIMAB - EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

QC Batch ID: MP6751
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date: 09/23/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	20	1.3	2		
Antimony	2.0	.07	.087		
Arsenic	2.0	.07	.07	-0.090	<2.0
Barium	20	.04	.035	0.24	<20
Beryllium	1.0	.02	.012		
Boron	10	.09	.2		
Cadmium	1.0	.02	.015	0.040	<1.0
Calcium	500	.71	7.6		
Chromium	1.0	.03	.054	0.11	<1.0
Cobalt	1.0	.02	.022		
Copper	2.5	.12	.19		
Iron	20	.64	1.6		
Lead	2.0	.07	.054	-0.030	<2.0
Magnesium	500	2.7	1.5		
Manganese	1.5	.01	.054		
Molybdenum	2.0	.02	.024		
Nickel	1.0	.02	.024		
Potassium	1000	1.8	1.3		
Selenium	2.0	.18	.23	0.030	<2.0
Silicon		.12			
Silver	1.0	.03	.044	0.0	<1.0
Sodium	1000	1.5	4.8		
Strontium	1.0	.02	.017		
Thallium	2.0	.05	.073		
Tin	50	.02	.41		
Titanium	1.0	.04	.079		
Vanadium	1.0	.03	.025		
Zinc	2.0	.03	.098		

Associated samples MP6751: C29798-1, C29798-2, C29798-3, C29798-4, C29798-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C29798
Account: EBIMAB - EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

QC Batch ID: MP6751
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date: 09/23/13

Metal	C29798-1 Original	MS	Spikelot MPIR4A	% Rec	QC Limits
Aluminum					
Antimony	anr				
Arsenic	1.7	40.9	43.9	89.4	75-125
Barium	54.0	91.9	43.9	86.4	75-125
Beryllium	anr				
Boron					
Cadmium	0.075	39.9	43.9	90.8	75-125
Calcium					
Chromium	22.7	64.8	43.9	96.0	75-125
Cobalt	anr				
Copper	anr				
Iron					
Lead	3.4	45.6	43.9	96.2	75-125
Magnesium					
Manganese					
Molybdenum	anr				
Nickel	anr				
Potassium					
Selenium	0.0	39.0	43.9	88.9	75-125
Silicon					
Silver	0.0	38.7	43.9	88.2	75-125
Sodium					
Strontium					
Thallium	anr				
Tin					
Titanium					
Vanadium	anr				
Zinc	anr				

Associated samples MP6751: C29798-1, C29798-2, C29798-3, C29798-4, C29798-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C29798
Account: EBIMAB - EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

QC Batch ID: MP6751
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date: 09/23/13

Metal	C29798-1 Original	MSD	Spikelot MPIR4A	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony	anr					
Arsenic	1.7	41.3	43.5	91.1	1.0	20
Barium	54.0	99.2	43.5	104.0	7.6	20
Beryllium	anr					
Boron						
Cadmium	0.075	40.0	43.5	91.8	0.3	20
Calcium						
Chromium	22.7	68.5	43.5	105.3	5.6	20
Cobalt	anr					
Copper	anr					
Iron						
Lead	3.4	46.1	43.5	98.2	1.1	20
Magnesium						
Manganese						
Molybdenum	anr					
Nickel	anr					
Potassium						
Selenium	0.0	38.9	43.5	89.5	0.3	20
Silicon						
Silver	0.0	38.7	43.5	89.0	0.0	20
Sodium						
Strontium						
Thallium	anr					
Tin						
Titanium						
Vanadium	anr					
Zinc	anr					

Associated samples MP6751: C29798-1, C29798-2, C29798-3, C29798-4, C29798-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: C29798
Account: EBIMAB - EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

QC Batch ID: MP6751
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date: 09/23/13

Metal	BSP Result	Spikelot MPIR4A	% Rec	QC Limits
Aluminum				
Antimony	anr			
Arsenic	45.2	50	90.4	80-120
Barium	48.1	50	96.2	80-120
Beryllium	anr			
Boron				
Cadmium	45.8	50	91.6	80-120
Calcium				
Chromium	49.1	50	98.2	80-120
Cobalt	anr			
Copper	anr			
Iron				
Lead	47.0	50	94.0	80-120
Magnesium				
Manganese				
Molybdenum	anr			
Nickel	anr			
Potassium				
Selenium	45.1	50	90.2	80-120
Silicon				
Silver	44.3	50	88.6	80-120
Sodium				
Strontium				
Thallium	anr			
Tin				
Titanium				
Vanadium	anr			
Zinc	anr			

Associated samples MP6751: C29798-1, C29798-2, C29798-3, C29798-4, C29798-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: C29798
Account: EBIMAB - EBI Consulting-Burlington
Project: 12130196 Bremerton, WA

QC Batch ID: MP6751
Matrix Type: SOLID

Methods: SW846 6010B
Units: ug/l

Prep Date: 09/23/13

Metal	C29798-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony	anr			
Arsenic	18.4	19.4	5.4	0-10
Barium	578	634	9.7	0-10
Beryllium	anr			
Boron				
Cadmium	0.800	1.30	62.5 (a)	0-10
Calcium				
Chromium	243	264	8.6	0-10
Cobalt	anr			
Copper	anr			
Iron				
Lead	36.1	38.9	7.8	0-10
Magnesium				
Manganese				
Molybdenum	anr			
Nickel	anr			
Potassium				
Selenium	0.00	0.00	NC	0-10
Silicon				
Silver	0.00	3.10	NC	0-10
Sodium				
Strontium				
Thallium	anr			
Tin				
Titanium				
Vanadium	anr			
Zinc	anr			

Associated samples MP6751: C29798-1, C29798-2, C29798-3, C29798-4, C29798-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

APPENDIX D
GROUND PENETRATING RADAR SURVEY REPORT

UNDERGROUND UTILITY DETECTION & INSPECTION SERVICES

CNI LOCATES LTD

Ryan/Chad,

On September 16, 2013 it was request that CNI Locates perform a scan of the proposed project area, located at 2612-2613 Burwell St., as well as, 324 N. Callow St., Bremerton using Ground Penetrating Radar (GPR). A scan was completed inside the building at the given address as well as in and around the perimeter of each of the boring locations (B1-B5).

During the GPR scan it was found that there were numerous soil layers and a few anomalies that could not be identified. Such anomalies are typically different soil deposits and/or large rocks in the soil. Utilities such as sewer, storm, and gas were also identified in and near the project area either by a previously marked public utility request or by using GPR. Using an electromagnetic method an attempt was made to locate any possible underground storage tanks (UST's) associated with each of the fuel/oil tank risers present, yet none were found. Ground Penetrating Radar was also used to identify any UST's, but none were discovered. It's been determined that either the fuel lines led to tanks that were present inside the adjacent buildings, the tanks had been removed, or the tanks could not be seen due to the soil conditions or depth at which they were installed. The radar was only able to penetrate to a depth of approximately 5 feet with nearly no visibility at that depth. Some areas were more and less visible than others.

The device used to perform the GPR scan was a RD1000 by Radio Detection.

Regards,

Tony Grant
CNI Locates
360-340-4853

Boring Location Map

B-1, B-2 - Public Utilities (Gas, sewer, storm) had been previously located. Fuel/oil line risers were present, yet no UST's were found in relation to these risers.

B-3, B-5 - An anomaly was found between B-3 and B-5 yet didn't extend to either of the boring locations. It did not appear to be a large object.

Boring Location Map

B-1, B-2 - Public utilities (storm, sewer, gas) had been previously located. An old gas riser/service was found near B-1 and a likely sewer service was found between B-1 and B-2.

B-3; B-4 - There were a few risers present within the bldg. yet no UST's could be identified in association with these risers.