September 15, 2014 14-810

Mr. Mark Chandler
Vice President of Environmental Services
TOC Holdings Co.
2737 W. Commodore Way
Seattle, WA 98199

Subject: Groundwater Monitoring Report
Second Quarter, 2014
TOC Facility No. 01-169
851 North Broadway Street, Everett, Washington
Washington State Department of Ecology Site# 54678156

This report summarizes the results of the Second Quarter 2014 groundwater sampling event conducted by Anderson Environmental Contracting LLC (AEC) at the TOC Holdings Co. Facility No. 01-169 property located at 851 North Broadway Street in Everett, Washington (the Property). The Property location is shown on Figure 1. This report presents a summary of the site background, field activities, and results of the quarterly monitoring event.

Site Background

The subject site is located in a commercial area of North Everett and is currently used as a retail shopping center. Tenants include a Subway restaurant and a 7-Eleven convenience store. Time Oil Co. (currently TOC Holdings Co.) formerly owned and operated a retail gasoline service station on the Property. Remedial activities began in December 2003 when four underground storage tanks (USTs), two fuel-dispensing pump islands, product distribution piping, and associated petroleum-contaminated soil (PCS) were removed from the Property. Some PCS was left in place during the remedial excavation due to the presence of an adjacent sidewalk and a 48-inch-diameter sewer line in the vicinity of the UST system.

Analytical data from subsurface investigations indicates that concentrations of gasoline-range petroleum hydrocarbons (GRPH); diesel-range petroleum hydrocarbons (DRPH); heavy oil-range petroleum hydrocarbons (ORPH); benzene, toluene, ethylbenzene, and total xylenes (BTEX); methyl tertiary-butyl ether (MTBE); and naphthalene exceeded their respective Washington State Model Toxics Control Act (MTCA) Method A cleanup levels in soil and/or groundwater beneath the Property. Additionally, elevated concentrations of metals including antimony, arsenic, and lead were also present in soil and/or groundwater beneath the Property and are considered to be a result of the former ASARCO smelter and are included in Ecology's Everett Smelter Site.

Based on current information of the site, PCS exists beneath the central and northwestern portions of the Property in the vicinity of the UST excavation, extending beneath a portion of the North Broadway right-of-

way, and contamination of a discontinuous, perched water-bearing zone located in the vicinity of the UST excavation.

Remedial measures have been implemented at the site in an effort to mitigate the residual soil and groundwater contamination. A dual-phase extraction (DPE) remediation system was installed at the Property and operated from 2006 to July 2009 when it was shut down due to a change in land use. A new DPE system was installed in June 2011 and started in the Second Quarter 2012. The new DPE system includes soil vapor extraction (SVE) and groundwater extraction and treatment. The SVE system includes monitoring wells OW02, MW08, RW02 through RW04, and RW08 through RW11. Groundwater is extracted for treatment continuously at RW02, RW03, and RW10 and intermittently at OW02, RW09, and RW11.

Site features including the location of historical facilities and monitoring wells are provided on Figure 2.

Scope of Work

Groundwater samples were collected on May 27, 29 and 30, 2014 to evaluate the environmental quality of groundwater beneath the Property and to eventually demonstrate compliance with MTCA cleanup regulations. The monitoring event included the following activities:

- Measurement of depth to groundwater in monitoring wells MW01, MW05, MW06 through MW09, MW12 and MW13; remediation wells RW01, RW03 through RW11; and observation wells OW01 and OW02. Wells MW02, MW06, MW10, and MW11 were dry and MW03, MW04, and RW02 were inaccessible.
- Collection of groundwater samples from the above wells
- Collection of a field duplicate sample from monitoring well RW07 for quality assurance/quality control (QA/QC) purposes
- Summarizing the groundwater sampling activities, analytical results, and upcoming work.

Groundwater Sampling Procedures

AEC collected groundwater samples on May 27, 29, and 30, 2014. A field duplicate was collected from RW07 for QA/QC purposes. Monitoring wells were purged and sampled in accordance with U.S. Environmental Protection Agency (EPA) guidance for low-flow sampling[1].

Depth to water was measured in the wells on May 27, 2014. Prior to well purging and sample collection, the well cap on each well was removed and the water level was allowed to equilibrate prior to measuring the depth to water. The depth to water in each well was measured using a clean electronic water level

[1] *Low-Flow (Minimal Drawdown) Ground-Water Sampling Procedures* (*April 1996). EPA/540/S-95/504*

indicator. Water levels were measured at the scribed reference mark (north side of the top of the polyvinyl chloride casing) at each well.

Prior to groundwater sampling, the wells were purged with a low-flow peristaltic pump equipped with new length of low-density polyethylene tubing attached to a new length of silicone tubing. The tubing intake was placed approximately 2 to 3 feet below the surface of the groundwater or mid-screen in each well. During purging, water quality was monitored using a YSI or Quanta multi-parameter water quality meter equipped with a flow-through cell. The water quality parameters that were monitored and recorded included temperature, pH, specific conductance, dissolved oxygen, turbidity, and oxidation-reduction potential. Each well was purged until all six water quality parameters stabilized or the minimum parameter subset of pH, specific conductance, temperature, and turbidity and/or dissolved oxygen stabilized. Groundwater sample collection forms are provided in Attachment A.

Following purging, groundwater samples were collected from the pump outlet tubing located upstream of the flow-through cell and placed directly into clean, laboratory-prepared sample containers. Each container was labeled with a unique sample identification number, placed on ice in a cooler, and transported under chain-of-custody to Friedman & Bruya, Inc. of Seattle, Washington, for laboratory analysis.

Purge water generated during the monitoring event was placed in an appropriately labeled 55-gallon steel drum and temporarily stored on the Property pending receipt of analytical data and proper disposal.

Laboratory Analysis

The analytical protocol followed for the samples collected at the Property includes the required testing for petroleum releases for gasoline (Table 830-1 in the MTCA Cleanup Regulations Chapter 173-340 WAC). The analytical methods used include:

- GRPH using Northwest Method NWTPH-Gx.
- Benzene, toluene, ethylbenzene, total xylenes (BTEX), and naphthalene using EPA Method 8021B.

GRPH and BTEX was analyzed for all wells, naphthalene was analyzed at RW08 and RW11.

Groundwater Conditions

Groundwater levels measured on May 27, 2014, ranged from 8.76 feet (observation well OW02) to 26.31 feet (remediation well RW08) below the top of the monitoring well casings (Table 1). Groundwater elevations ranged from 73.18 feet above mean sea level (amsl) in RW08 to 90.05 feet (amsl) in MW13.

Groundwater levels measured in the Property's 26 wells historically have ranged from 6.27 feet (observation well OW01) to 26.33 feet (remediation well RW08) below the top of the monitoring well casings (Table 1). Within the UST system excavation area, groundwater contours indicate that groundwater within the UST excavation forms a depression centered on remediation well RW10. Outside of the UST

system excavation area, groundwater levels have historically fluctuated drastically and are interpreted to be strongly controlled by the operation of the dual phase extraction (DPE) remediation system and subsurface soil conditions (see SoundEarth 2013[2] for additional information). As a result, only wells near the UST excavation are used to interpret groundwater conditions. Groundwater conditions for this event are consistent with past measurements and the apparent groundwater flow direction is convergent on RW10 within the UST system excavation area, with a gradient of 0.26 feet per foot between MW13 and RW10.

Groundwater Sampling Results

Laboratory analytical results from the monitoring event were compared to applicable MTCA Method A cleanup levels for groundwater and are summarized below (Figure 4, Table 1).

With the exception of RW08, there were no detections of GRPH or BETX in the wells sampled. At RW08, GRPH, benzene, and total xylenes exceeded their respective MTCA Method A cleanup levels. This and the previous quarter are the first and second analysis of groundwater at RW08 since installation in August 2011; the well is typically dry.

Data Quality Review

AEC performed a QA/QC review of the analytical results, which included a review of accuracy and precision of the data supplied by the laboratory. The relative percent difference (RPD) for the field duplicate MW99, which was collected by AEC from RW07, could not be calculated because all analytical results were below their respective laboratory reporting limit. All quality control criteria are acceptable; therefore, no action is required, and analytical results meet the project objectives for usable data. A copy of the laboratory report is provided in Attachment B.

Remediation System Performance

AEC preformed monthly operations and maintenance (O&M) activities on the site on three dates, during the Second Quarter 2014 (April 11, May 15, and June 23). O&M activities included the collection of air samples from the effluent sample ports on the SVE discharge stack and air stripper discharge stack and collection of treated groundwater from a sample port on the groundwater effluent pump. Air samples were not collected on April 11 and May 15 due to a vacuum pump failure.

For each event, air samples were collected in two one-liter tedlar bags and submitted to Friedman & Bruya for analysis. The air samples were analyzed for GRPH by method NWTPH-Gx and for BTEX by EPA Method 8021B. Quarterly groundwater influent samples were collected in three 40ml-volatile organic analysis (VOA) vials preserved with hydrochloric acid (HCl) and were analyzed for GRPH by method NWTPH-Gx and

[2] SoundEarth Strategies, March 20, 2013). Remedial Investigation Reports, TOC Holding Co. Facility No. 01-169, 851 North Broadway, Everett, WA. Prepared for TOC Holdings Co., 2737 Commodore Way, Seattle, WA.

for BTEX by EPA Method 8021B. Effluent samples were collected in three 40ml-VOA vials preserved with HCl, one one-liter amber bottle, and two 500 ml polyethylene bottles, one unpreserved and one preserved with nitric acid. The effluent water samples were analyzed for GRPH by method NWTPH-Gx, for BTEX by EPA Method 8021B, total lead by EPA Method 6020/200.8, oil and grease by EPA Method 1664A, mercury by EPA Method 1631E, and flashpoint by EPA Method 1010.

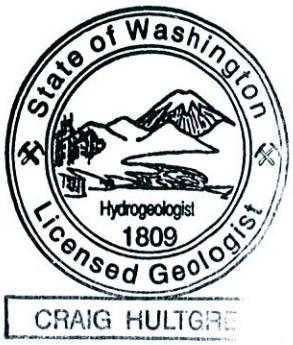
During the Second Quarter 2014 the remediation system removed an estimated 3.0 pounds of GRPH as vapor and 6,119.0 gallons of groundwater was treated below sanitary sewer discharge criteria and was discharged to the sanitary sewer. A summary of system performance is presented on Table 2.

Work Planned

AEC will conduct groundwater monitoring at the Property in Third Quarter 2014, the results of which will be included in a groundwater monitoring report. O&M activities will be conducted monthly.

Sincerely,

Craig Hultgren, LHG
Senior Geologist/Project Manager



Attachments
Figures
Figure 1 - Site Location Map
Figure 2 - Site Features
Figure 3 - Groundwater Elevation Contours
Figure 4 - Groundwater Analytical Results

Table
Table 1 – Summary of Groundwater Data
Table 2 – Summary of System Performance

Attachments
Attachment A – Groundwater Sample Collection Forms
Attachment B – Laboratory Report and Chain-of-Custody Documentation

cc: Eugene Freeman, Washington State Department of Ecology, Northwest Region

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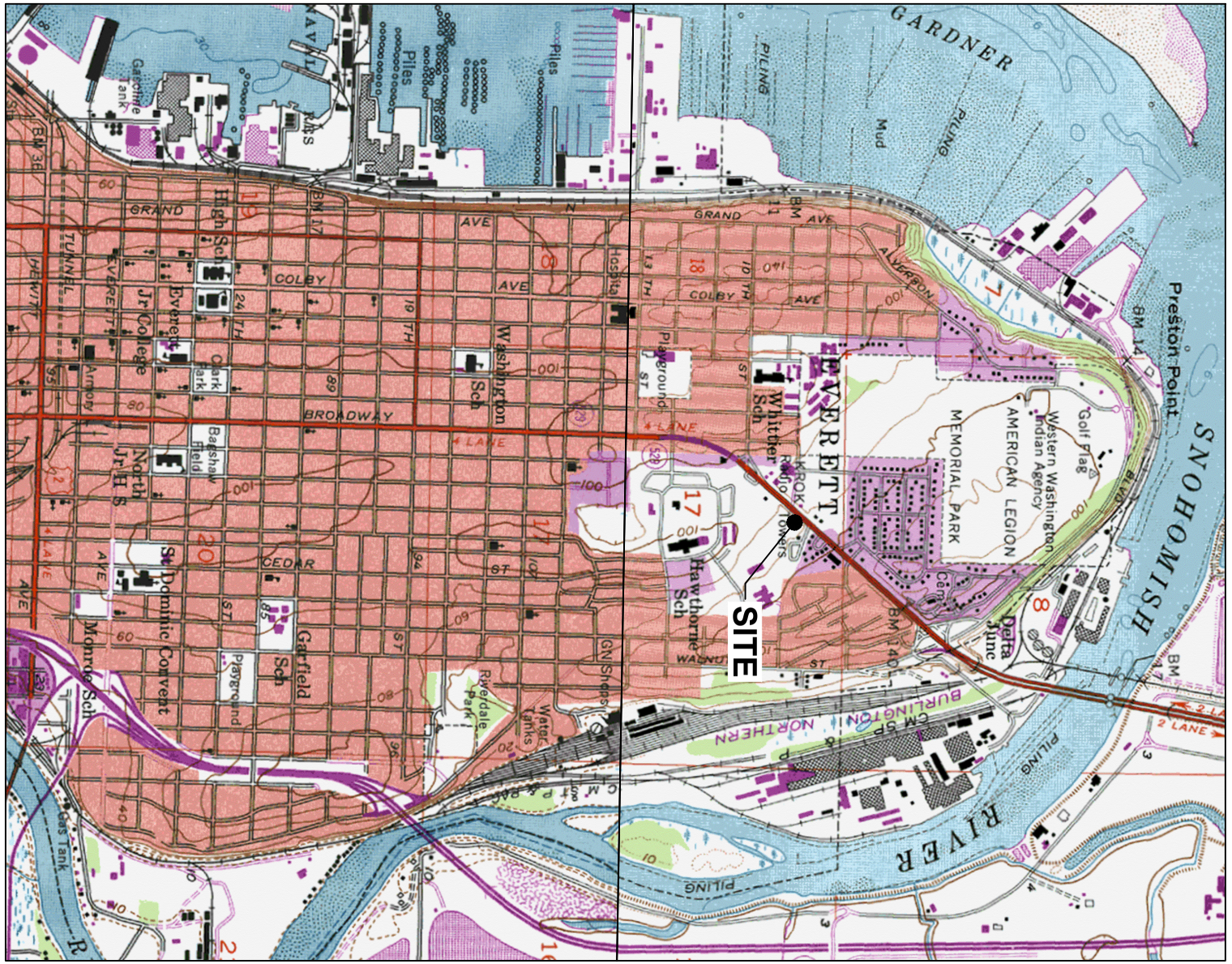
NOTE(S):
USGS, MARYSVILLE QUADRANGLE
WASHINGTON-SNOHOMISH CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)



N W E S

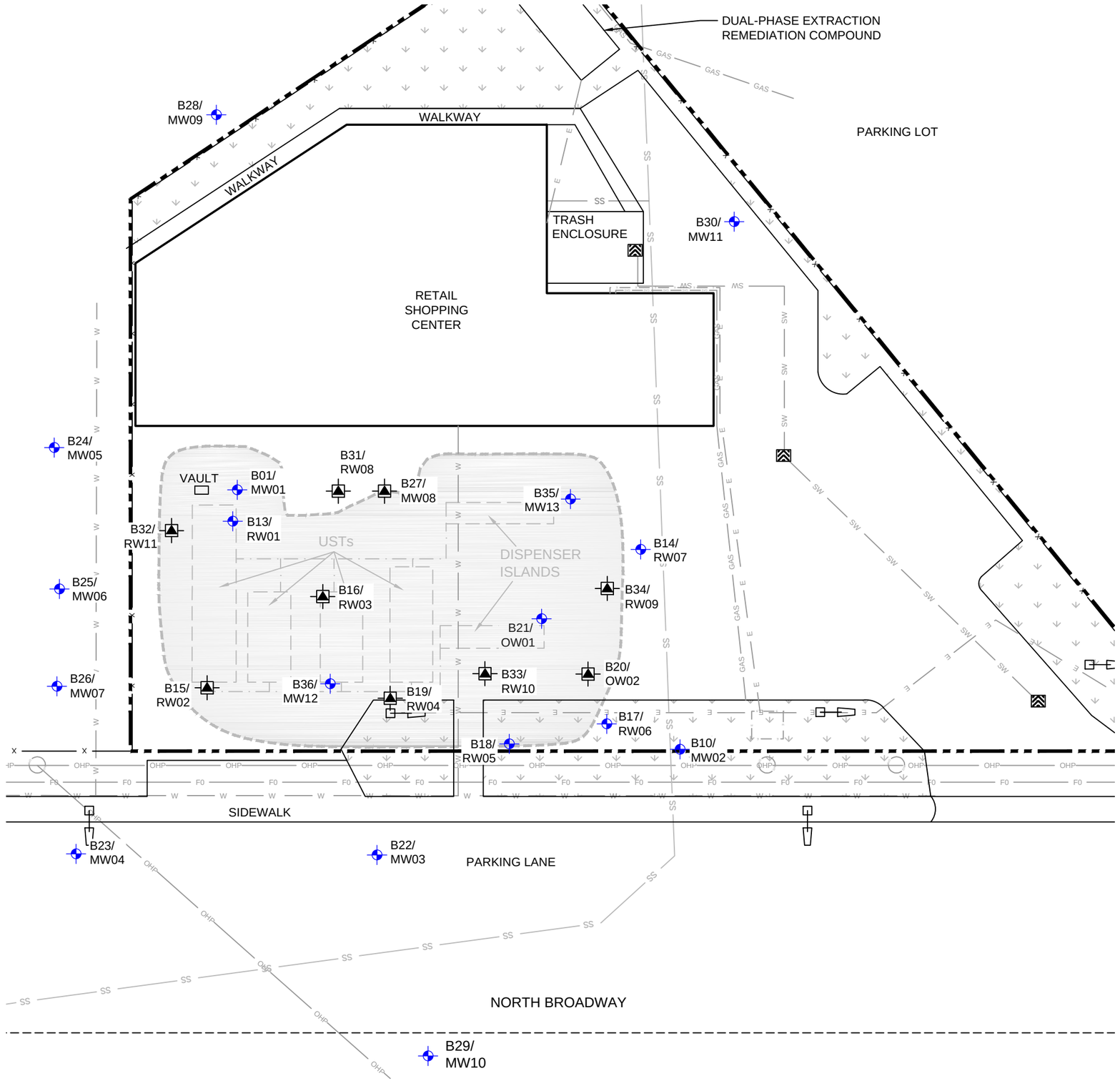
0 2000 4000
SCALE IN FEET
1" = 2000'

ANDERSON ENVIRONMENTAL CONTRACTING LLC
AEC

DATE: 9-5-14
DWN: JJT
CHK: NV
APPROVED: CH
PRJ. MGR: CH
PROJECT NO: 14-810

FIGURE 1
SITE LOCATION MAP

TOC HOLDINGS CO. FACILITY NO. 01-169
851 N. BROADWAY
EVERETT, WA.



LEGEND

B01/ MW01	GROUNDWATER MONITORING WELL (SOUNDEARTH)
RW01	REMEDIATION WELL (SOUNDEARTH)
	CATCH BASIN
	POWER POLE
	AREA LIGHT
	PROPERTY BOUNDARY
OHP	OVERHEAD POWER LINE
E	BELOW GRADE ELECTRICAL LINE
FO	FIBER OPTIC LINE
SW	STORMWATER LINE
SS	48-INCH-DIAMETER SEWER LINE
W	WATER LINE
GAS	GAS LINE
x	FENCE
	FORMER SITE FEATURE
	FORMER FUEL DELIVERY PIPING
	EXCAVATION AREA (2003)
EPI	ENVIRONMENTAL PARTNERS, INC.
GEI	GEOENGINEERS, INC.
SOUNDEARTH	SOUNDEARTH STRATEGIES, INC.
UST	UNDERGROUND STORAGE TANK

FIGURE 2
SITE FEATURES
TOC HOLDINGS CO. FACILITY NO. 01-169
851 N. BROADWAY
EVERETT, WA.

DATE: 9-5-14
DWN: JJT
CHK: NV
APPROVED: CH
PRJ. MGR: CH
PROJECT NO: 14-810

AECOM
ANDERSON ENVIRONMENTAL CONSULTING, LLC

0 20 40
SCALE IN FEET
1" = 20'

N W E S

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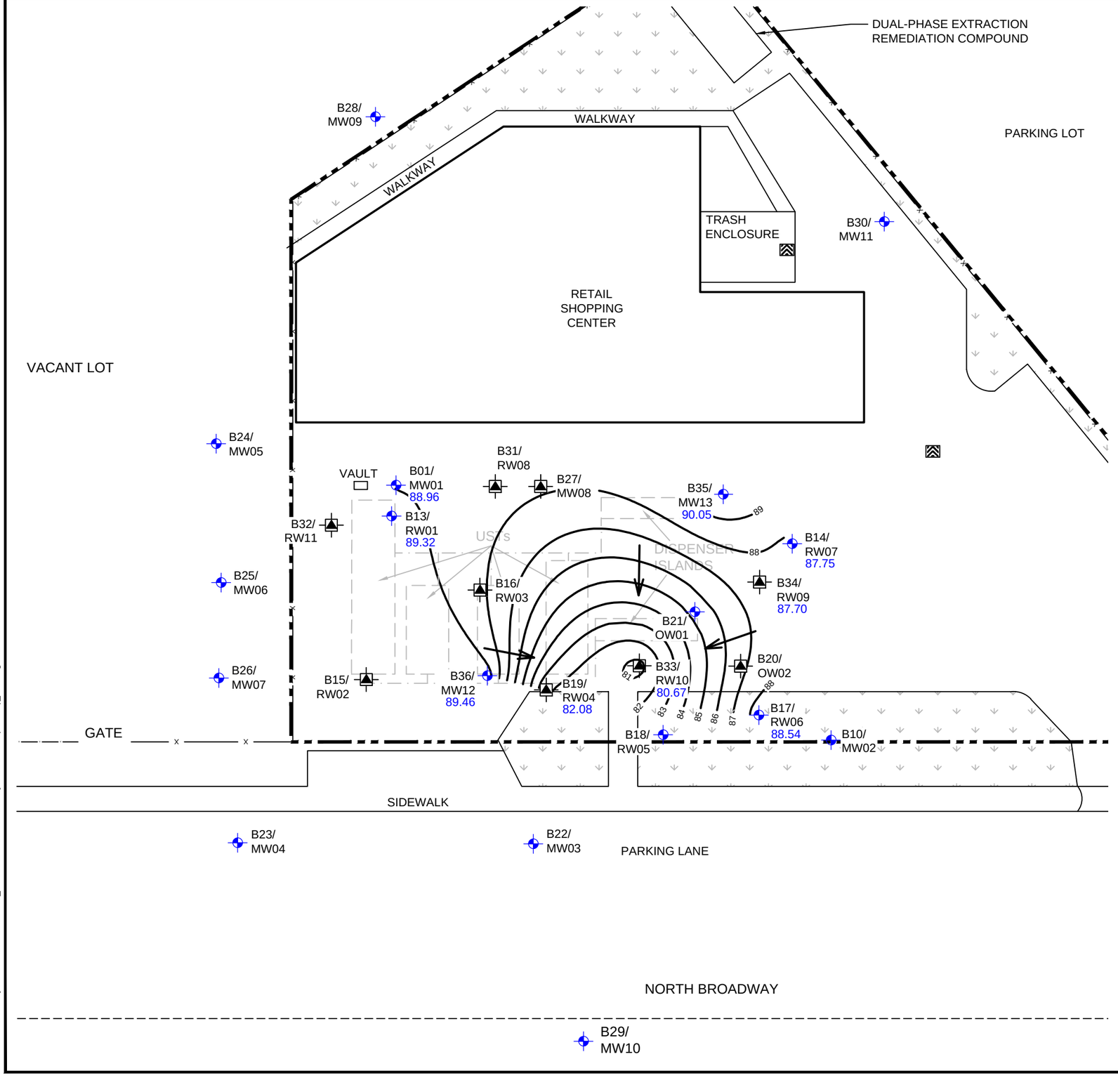

LEGEND

- B01/ MW01 — GROUNDWATER MONITORING WELL (SOUNDEARTH)
- RW01 — REMEDIATION WELL (SOUNDEARTH)
- CATCH BASIN
- POWER POLE
- PROPERTY BOUNDARY
- FENCE
- FORMER SITE FEATURE
- FORMER FUEL DELIVERY PIPING
- UST — UNDERGROUND STORAGE TANK
- 88.54 — GROUNDWATER SURFACE ELEVATION
- GROUNDWATER ELEVATION CONTOUR
- APPROXIMATE GROUNDWATER FLOW DIRECTION

NOTE: REMEDIATION SYSTEM SHUTDOWN APPROXIMATELY ONE MONTH.

FIGURE 3
GROUNDWATER ELEVATION CONTOURS
FOR MAY 2014
TOC HOLDINGS CO. FACILITY NO. 01-169
851 N. BROADWAY
EVERETT, WA.

DATE: 9-5-14
DWN: JJT
CHK: NV
APPROVED: CH
PRJ. MGR: CH
PROJECT NO: 14-810

SCALE IN FEET
0 20 40
1" = 20'

N W E S

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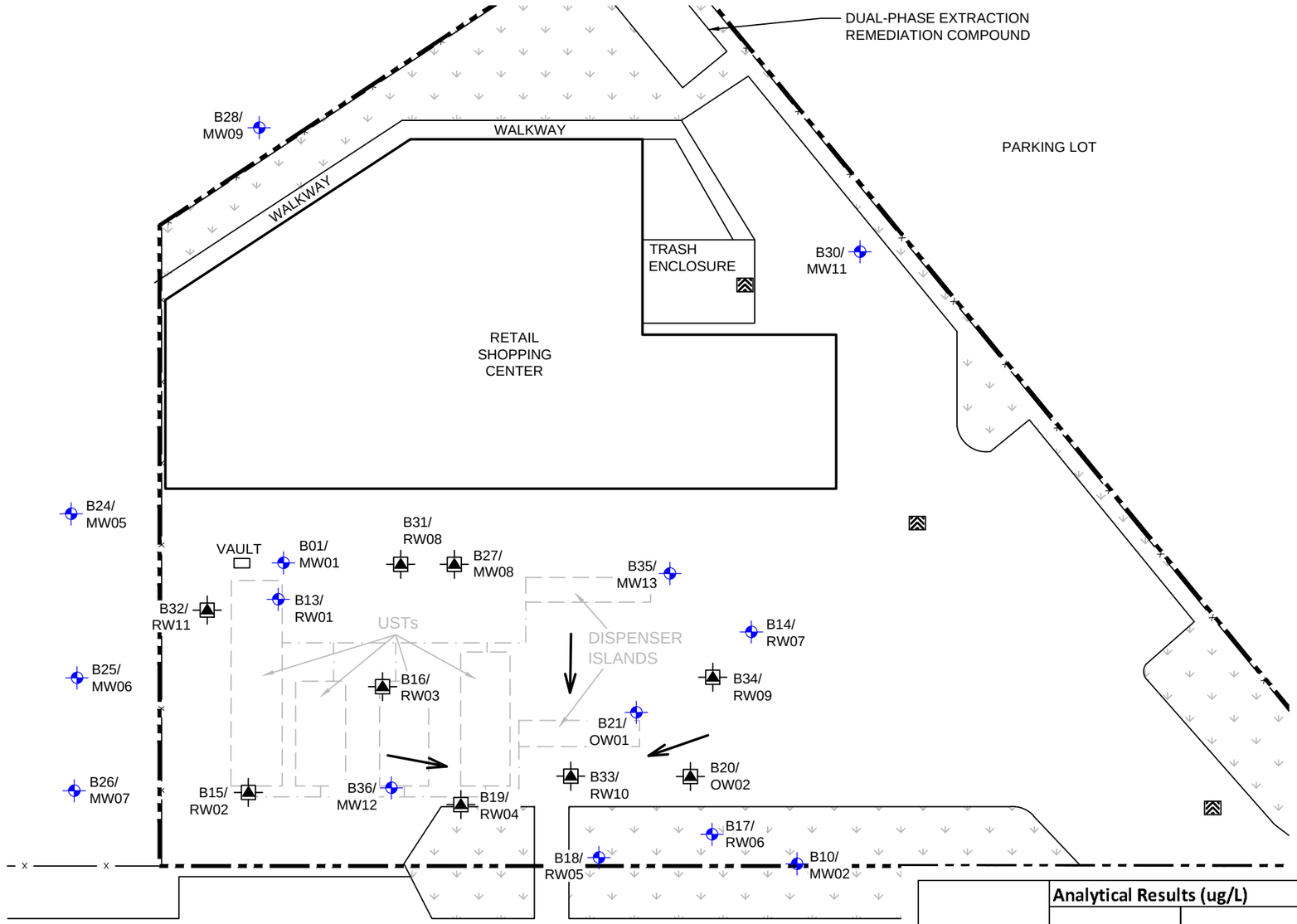

LEGEND

- B01/ MW01 — GROUNDWATER MONITORING WELL (SOUNDEARTH)
- RW01 — REMEDIATION WELL (SOUNDEARTH)
- CATCH BASIN
- POWER POLE
- PROPERTY BOUNDARY
- FENCE
- FORMER SITE FEATURE
- FORMER FUEL DELIVERY PIPING
- UST — UNDERGROUND STORAGE TANK
- APPROXIMATE GROUNDWATER FLOW DIRECTION

Well ID	Analytical Results (ug/L)					
	GRPH	Benzene	Toluene	Ethylbenzene	Total Xylenes	Naphthalene
MTCA A	**800/1,000**	**5**	**1,000**	**700**	**1,000**	**160**
MW01	<100	<1	<1	<1	<3	--
MW09	<100	<1	<1	<1	<3	--
MW12	<100	<1	<1	<1	<3	--
MW13	<100	<1	<1	<1	<3	--
RW01	<100	<1	<1	<1	<3	--
RW06	<100	<1	<1	<1	<3	--
RW07	<100	<1	<1	<1	<3	--
RW08	5,400	34	94	120	1,300	38
RW09	<100	<1	<1	<1	<3	--
RW11	110	<1	<1	<1	14	<1

FIGURE 4
GROUNDWATER ANALYTICAL RESULTS
FOR MAY 2014
TOC HOLDINGS CO. FACILITY NO. 01-169
851 N. BROADWAY
EVERETT, WA.

DATE: 9-5-14
DWN: JJT
CHK: NV
APPROVED: CH
PRJ. MGR: CH
PROJECT NO: 14-810

SCALE IN FEET
1" = 20'
0 20 40

N W E S

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Table 1
Summary of Groundwater Data
TOC Holdings Co. Facility No. 01-169
851 North Broadway
Everett, Washington

Well ID	TOC (feet)	Date	Depth to Groundwater [1] (feet)	Groundwater Elevation [2] (feet)	Analytical Results (µg/L)																	
					GRPH [3]	DRPH [4]	ORPH [4]	Benzene [5]	Toluene [5]	Ethylbenzene [5]	Total Xylenes [5]	Naphthalene [5]	MTBE [5]	EDB [5]	EDC [5]	Lead [6]		Arsenic [6]		Trimethylbenzene [5]	
																Total	Dissolved	Total	Dissolved	1,2,4-	1,3,5-
MTCA Method A Cleanup Level for Groundwater [7]					800/1,000 [8]	500	500	5	1,000	700	1,000	160	20	0.01	5	15		5		NE	80
MW02	98.30	05/04/06	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW02	98.30	07/19/06	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW02	98.30	11/08/06	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW02	98.30	02/06/07	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW02	98.30	06/08/07	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW02	98.30	08/14/07	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW02	98.30	11/29/07	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW02	98.30	02/19/08	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW02	98.30	06/27/08	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW02	98.30	08/12/08	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW02	98.30	11/26/08	Inaccessible		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW02	98.30	03/31/09	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW02	98.30	06/19/09	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW02	98.30	08/27/09	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW02	98.30	11/25/09	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW02	98.30	01/28/10	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW02	98.30	06/09/10	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW02	98.30	08/18/10	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW02	98.30	11/09/10	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW02	98.30	02/16/11	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW02	98.30	05/18/11	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW02	98.30	08/18/11	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW02	98.30	11/21/11	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW02	98.30	02/15/12	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW02	98.30	05/17/12	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW02	98.30	08/14/12	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW02	98.30	11/28/12	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW02	98.30	03/05/13	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW02	98.30	06/04/13	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW02	98.30	08/27/13	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW02	98.30	11/21/13	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW02	98.30	03/05/14	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW02	98.30	05/27/14	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW03	98.94	12/21/10	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW03	98.94	02/16/11	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW03	98.94	05/18/11	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW03	98.94	08/18/11	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW03	98.94	11/21/11	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW03	98.94	02/15/12	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW03	98.94	05/17/12	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW03	98.94	08/14/12	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW03	98.94	11/28/12	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW03	98.94	03/05/13	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW03	98.94	06/04/13	Inaccessible		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW03	98.94	08/27/13	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW03	98.94	11/21/13	Inaccessible		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW03	98.94	03/05/14	24.7	74.24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW03	98.94	05/27/14	Inaccessible	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1
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TOC Holdings Co. Facility No. 01-169
851 North Broadway
Everett, Washington

Well ID	TOC (feet)	Date	Depth to Groundwater [1] (feet)	Groundwater Elevation [2] (feet)	Analytical Results (µg/L)																
					GRPH [3]	DRPH [4]	ORPH [4]	Benzene [5]	Toluene [5]	Ethylbenzene [5]	Total Xylenes [5]	Naphthalene [5]	MTBE [5]	EDB [5]	EDC [5]	Lead [6]		Arsenic [6]		Trimethylbenzene [5]	
																Total	Dissolved	Total	Dissolved	1,2,4-	1,3,5-
MTCA Method A Cleanup Level for Groundwater [7]					800/1,000 [8]	500	500	5	1,000	700	1,000	160	20	0.01	5	15		5		NE	80
MW04	100.46	12/21/10	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW04	100.46	02/16/11	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW04	100.46	05/18/11	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW04	100.46	08/18/11	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW04	100.46	11/21/11	Inaccessible		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW04	100.46	02/15/12	Inaccessible		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW04	100.46	05/17/12	Inaccessible		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW04	100.46	08/14/12	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW04	100.46	11/28/12	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW04	100.46	03/05/13	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW04	100.46	06/04/13	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW04	100.46	08/27/13	Inaccessible		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW04	100.46	11/21/13	Inaccessible		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW04	100.46	03/05/14	24.77	75.69	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW04	100.46	05/27/14	Inaccessible	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW05	100.40	12/21/10	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW05	100.40	02/16/11	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW05	100.40	05/18/11	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW05	100.40	08/18/11	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW05	100.40	11/21/11	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW05	100.40	02/15/12	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW05	100.41	05/17/12	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW05	100.41	08/14/12	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW05	100.41	11/28/12	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW05	100.41	03/05/13	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW05	100.41	06/04/13	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW05	100.41	08/27/13	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW05	100.41	11/21/13	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW05	100.41	03/05/14	25.07	75.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW05	100.41	05/27/14	24.93	75.48	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW06	100.96	12/21/10	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW06	100.96	02/16/11	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW06	100.96	05/18/11	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW06	100.96	08/18/11	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW06	100.96	11/21/11	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW06	100.96	02/15/12	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW06	101.94	05/17/12	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW06	101.94	08/14/12	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW06	101.94	11/28/12	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW06	101.94	03/05/13	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW06	101.94	06/04/13	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW06	101.94	08/27/13	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW06	101.94	11/21/13	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW06	101.94	03/05/14	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW06	101.94	05/27/14	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1
Summary of Groundwater Data
TOC Holdings Co. Facility No. 01-169
851 North Broadway
Everett, Washington

Well ID	TOC (feet)	Date	Depth to Groundwater [1] (feet)	Groundwater Elevation [2] (feet)	Analytical Results (µg/L)											Lead [6]		Arsenic [6]		Trimethylbenzene [5]	
					GRPH [3]	DRPH [4]	ORPH [4]	Benzene [5]	Toluene [5]	Ethylbenzene [5]	Total Xylenes [5]	Naphthalene [5]	MTBE [5]	EDB [5]	EDC [5]	Total	Dissolved	Total	Dissolved	1,2,4-	1,3,5-
MTCA Method A Cleanup Level for Groundwater [7]					**800/1,000 [8]**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**160**	**20**	**0.01**	**5**	**15**		**5**		**NE**	**80**
MW07	100.19	12/21/10	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW07	100.19	02/16/11	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW07	100.19	05/18/11	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW07	100.19	08/18/11	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW07	100.19	11/21/11	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW07	100.19	02/15/12	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW07	101.17	05/17/12	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW07	101.17	08/14/12	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW07	101.17	11/28/12	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW07	101.17	03/05/13	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW07	101.17	06/04/13	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW07	101.17	08/27/13	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW07	101.17	11/21/13	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW07	101.17	03/05/14	24.87	75.96	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW07	101.17	05/27/14	24.86	76.31	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW08	99.97	12/21/10	24.34	75.63	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW08	99.97	02/16/11	23.49	76.48	**27,000**	**1,600 x**	<250	**1,700**	**14,000**	**2,300**	**14,000**	**430**	--	--	--	--	**20.6**	--	--	--	--
MW08	99.97	05/19/11	24.12	75.85	**30,000**	**1,800 x**	<250 j	**1,600**	**11,000**	**1,800**	**10,800**	**270**	--	--	--	--	--	--	--	--	--
MW08	99.97	08/18/11	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW08	99.11	11/21/11	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW08	99.11	02/15/12	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW08	99.33	05/17/12	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW08	99.33	08/14/12	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW08	99.33	11/28/12	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW08	99.33	03/05/13	23.22	76.11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW08	99.33	06/04/13	23.89	75.44	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW08	99.33	08/27/13	23.25	76.08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW08	99.33	11/21/13	23.43	75.90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW08	99.33	03/05/14	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW08	99.33	05/27/14	21.30	78.03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW09	99.71	12/21/10	11.34	88.37	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
MW09	99.71	02/16/11	9.85	89.86	<100	130 x	<250	<0.35	<1	<1	<3	<1	--	--	--	--	<1	--	--	--	--
MW09	99.71	05/19/11	10.15	89.56	100	90	<250	<0.35	<1	<1	<3	<1	--	--	--	--	<1	--	--	--	--
MW09	99.71	08/18/11	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW09	99.71	11/21/11	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW09	99.71	02/16/12	16.59	83.12	<100	310 x	<250	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
MW09	99.69	05/18/12	10.84	88.85	<100	200	<250	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
MW09	99.69	08/14/12	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW09	99.69	11/30/12	14.34	85.35	110	480 x	<250	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
MW09	99.69	03/06/13	13.91	85.78	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
MW09	99.69	06/04/13	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW09	99.69	08/27/13	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW09	99.69	11/27/13	16.24	83.45	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
MW09	99.69	03/06/14	13.76	85.93	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
MW09	99.69	05/30/14	18.55	81.14	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--

Table 1
Summary of Groundwater Data
TOC Holdings Co. Facility No. 01-169
851 North Broadway
Everett, Washington

Well ID	TOC (feet)	Date	Depth to Groundwater [1] (feet)	Groundwater Elevation [2] (feet)	Analytical Results (µg/L)											Lead [6]		Arsenic [6]		Trimethylbenzene [5]	
					GRPH [3]	DRPH [4]	ORPH [4]	Benzene [5]	Toluene [5]	Ethylbenzene [5]	Total Xylenes [5]	Naphthalene [5]	MTBE [5]	EDB [5]	EDC [5]	Total	Dissolved	Total	Dissolved	1,2,4-	1,3,5-
MTCA Method A Cleanup Level for Groundwater [7]					**800/1,000 [8]**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**160**	**20**	**0.01**	**5**	**15**		**5**		**NE**	**80**
MW10	99.18	12/21/10	Inaccessible		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW10	99.18	02/16/11	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW10	99.18	05/18/11	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW10	99.18	08/18/11	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW10	99.18	11/21/11	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW10	99.18	02/15/12	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW10	99.18	05/17/12	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW10	99.18	08/14/12	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW10	99.18	11/28/12	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW10	99.18	03/05/13	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW10	99.18	06/04/13	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW10	99.18	08/27/13	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW10	99.18	11/21/13	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW10	99.18	03/05/14	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW10	99.18	05/27/14	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW11	99.62	12/21/10	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW11	99.62	02/16/11	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW11	99.62	05/18/11	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW11	99.62	08/18/11	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW11	99.62	11/21/11	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW11	99.62	02/15/12	Inaccessible	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW11	99.62	05/17/12	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW11	99.62	08/14/12	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW11	99.62	11/28/12	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW11	99.62	03/05/13	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW11	99.62	06/04/13	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW11	99.62	08/27/13	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW11	99.62	11/21/13	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW11	99.62	03/15/14	24.79	74.83	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW11	99.62	05/27/14	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW12	99.88	08/19/11	10.86	89.02	**1,000**	56 [x]	<250	**6.7**	<1	44	<3	13	--	--	--	--	<1	--	--	--	--
MW12	99.88	11/22/11	10.65	89.23	190	<50	<250	1.3	<1	4.2	<3	<1	--	--	--	--	--	--	<1	--	--
MW12	99.88	02/16/12	10.20	89.68	<100	<50	<250	<0.35	<1	<1	<3	<1	--	--	--	--	--	--	--	--	--
MW12	99.86	05/18/12	9.50	90.36	<100	<50	<250	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
MW12	99.86	08/14/12	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW12	99.86	11/29/12	10.86	89.00	<100	<50	<250	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
MW12	99.86	03/05/13	14.15	85.71	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW12	99.86	06/04/13	14.92	84.94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW12	99.86	08/27/13	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW12	99.86	11/21/13	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW12	99.86	03/06/14	13.24	86.62	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
MW12	99.86	05/29/14	10.40	89.46	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
MW13	99.58	08/19/11	10.00	89.58	<100	<50	<250	**21**	<1	<1	<3	<1	--	--	--	--	<1	--	--	--	--
MW13	99.58	11/21/11	12.53	87.05	350 [x]	<50	<250	**160**	<1	<1	<3	<1	--	--	--	--	--	--	<1	--	--
MW13	99.58	02/16/12	11.22	88.36	<100	170 [x]	<250	2.3	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
MW13	99.58	05/17/12	10.28	89.30	<100	170 [x]	<250	**6.1**	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
MW13	99.58	08/14/12	9.58	90.00	<100	200 [x]	<250	3.4	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
MW13	99.58	11/30/12	10.97	88.61	<100	330 [x]	<250	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
MW13	99.58	03/05/13	10.12	89.46	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
MW13	99.58	06/04/13	10.65	88.93	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
MW13	99.58	08/28/13	11.17	88.41	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
MW13	99.58	11/21/13	12.10	87.48	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
MW13	99.58	03/04/14	12.8	86.78	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
MW13	99.58	05/27/14	9.53	90.05	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--

Table 1
Summary of Groundwater Data
TOC Holdings Co. Facility No. 01-169
851 North Broadway
Everett, Washington

Well ID	TOC (feet)	Date	Depth to Groundwater [1] (feet)	Groundwater Elevation [2] (feet)	Analytical Results (µg/L)											Lead [6]		Arsenic [6]		Trimethylbenzene [5]	
					GRPH [3]	DRPH [4]	ORPH [4]	Benzene [5]	Toluene [5]	Ethylbenzene [5]	Total Xylenes [5]	Naphthalene [5]	MTBE [5]	EDB [5]	EDC [5]	Total	Dissolved	Total	Dissolved	1,2,4-	1,3,5-
MTCA Method A Cleanup Level for Groundwater [7]					**800/1,000 [8]**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**160**	**20**	**0.01**	**5**	**15**		**5**		**NE**	**80**
OW01	99.96	11/21/03	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW01	98.95	05/03/06	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW01	98.95	07/19/06	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW01	98.95	11/08/06	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW01	98.95	02/06/07	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW01	98.95	06/08/07	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW01	98.95	08/14/07	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW01	98.95	11/29/07	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW01	98.95	02/19/08	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW01	98.95	06/27/08	7.99	90.96	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
OW01	98.95	08/12/08	9.94	89.01	180	--	--	**30**	2	2	<3	--	--	--	--	--	--	--	--	--	--
OW01	98.95	11/26/08	6.88	92.07	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
OW01	98.95	03/31/09	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW01	98.95	06/19/09	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW01	98.95	08/27/09	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW01	98.95	11/25/09	6.48	92.47	<100	<50	<250	<1	<1	<1	<3	<1	<1	<1	<1	--	<1	--	--	--	--
OW01	98.95	01/29/10	6.75	92.20	<100	<50	<250	<1	<1	<1	<3	<1	<1	<1	<1	--	--	--	--	--	--
OW01	98.95	06/09/10	6.27	92.68	<100	<50	<250	<0.35	<1	<1	<3	<1	<1	<1	<1	--	--	--	--	--	--
OW01	98.95	08/18/10	7.24	91.71	<100	<50	<250	<0.35	<1	<1	<3	<5	<1	<1	<1	--	--	--	--	--	--
OW01	98.95	11/09/10	6.65	92.30	<100	<50	<250	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
OW01	98.95	02/16/11	6.50	92.45	<100	<50	<250	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
OW01	98.95	05/19/11	6.47	92.48	<100	<50	<250	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
OW01	98.95	08/18/11	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW01	98.95	11/21/11	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW01	98.95	02/15/12	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW01	99.96	05/17/12	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW01	99.96	08/14/12	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW01	99.96	11/28/12	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW01	99.96	03/05/13	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW01	99.96	06/04/13	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW01	99.96	08/27/13	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW01	99.96	03/05/14	10.89	89.07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW01	99.96	05/27/14	10.89	89.07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1
Summary of Groundwater Data
TOC Holdings Co. Facility No. 01-169
851 North Broadway
Everett, Washington

Well ID	TOC (feet)	Date	Depth to Groundwater [1] (feet)	Groundwater Elevation [2] (feet)	Analytical Results (µg/L)											Lead [6]		Arsenic [6]		Trimethylbenzene [5]	
					GRPH [3]	DRPH [4]	ORPH [4]	Benzene [5]	Toluene [5]	Ethylbenzene [5]	Total Xylenes [5]	Naphthalene [5]	MTBE [5]	EDB [5]	EDC [5]	Total	Dissolved	Total	Dissolved	1,2,4-	1,3,5-
MTCA Method A Cleanup Level for Groundwater [7]					**800/1,000 [8]**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**160**	**20**	**0.01**	**5**	**15**		**5**		**NE**	**80**
OW02	98.94	05/04/06	10.42	88.52	**2,260**	--	--	**236**	7.63	70.1	313	--	**26.1**	<0.500	<0.500	--	--	--	--	--	--
OW02	98.94	07/19/06	9.87	89.07	**914**	--	--	**194**	0.990	45.3	8.72	--	**30.1**	<0.500	<0.500	--	--	--	--	--	--
OW02	98.94	11/08/06	10.39	88.55	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW02	98.94	02/06/07	10.54	88.40	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW02	98.94	06/08/07	10.02	88.92	220	--	--	**22**	1	3	4	--	--	--	--	--	--	--	--	--	--
OW02	98.94	08/14/07	10.02	88.92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW02	98.94	11/29/07	10.55	88.39	300	--	--	**41**	3	5	13	--	--	--	--	--	--	--	--	--	--
OW02	98.94	02/19/08	10.56	88.38	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW02	98.94	06/27/08	9.96	88.98	190	--	--	**38**	2	2	6	--	--	--	--	--	--	--	--	--	--
OW02	98.94	08/12/08	10.24	88.70	180	--	--	**30**	2	2	<3	--	--	--	--	--	--	--	--	--	--
OW02	98.94	11/26/08	10.10	88.84	260	--	--	**54**	3	6	8	--	--	--	--	--	--	--	--	--	--
OW02	99.05 [9]	03/31/09	8.82	90.23	380	**1,400**	260 [y]	**49**	2	10	38	--	--	--	--	--	--	--	--	--	--
OW02	99.05 [9]	06/19/09	9.25	89.80	<100	--	--	**18**	<1	2.5	3	<1	3.8	<1	<1	--	<1	--	--	--	--
OW02	99.05 [9]	08/28/09	9.31	89.74	<100	**510**	320	**23**	<1	2	<3	--	--	--	--	--	--	--	--	--	--
OW02	99.05 [9]	11/25/09	9.33	89.72	<100	<50	<250	**7.6**	<1	<1	<3	<1	<1	<1	<1	--	1.17	--	--	--	--
OW02	99.05 [9]	01/29/10	9.59	89.46	<100	<50	<250	3.5	<1	<1	<3	<1	<1	<1	<1	--	--	--	--	--	--
OW02	99.05 [9]	06/09/10	8.95	90.10	<100	100 [z]	**640**	1.5	<1	<1	<3	<1	<1	<1	<1	--	--	--	--	--	--
OW02	99.05 [9]	08/18/10	9.60	89.45	<100	130 [z]	<250	2.0	<1	<1	<3	<5	1.2	<1	<1	--	--	--	--	--	--
OW02	99.05 [9]	11/09/10	9.91	89.14	<100	**660** [z]	**760** [z]	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
OW02	99.05 [9]	02/16/11	7.93	91.12	<100	<50	<250	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
OW02	99.05 [9]	05/19/11	9.31	89.74	<100	<50	<250	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
OW02	99.05 [9]	08/18/11	10.23	88.82	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW02	98.04	11/21/11	7.00	91.04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW02	98.04	02/16/12	8.55	89.49	<100	60 [x]	<250	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
OW02	97.83	05/18/12	8.53	89.30	<100	100 [x]	250 [x]	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
OW02	97.83	08/14/12	8.49	89.34	<100	160 [x]	<250	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
OW02	97.83	11/30/12	8.62	89.21	<100	96 [x]	<250	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
OW02	97.83	03/05/13	8.60	89.23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW02	97.83	06/04/13	8.77	89.06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW02	97.83	08/27/13	9.69	88.14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW02	97.83	11/21/13	8.25	89.58	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
OW02	97.83	03/05/14	No Measurement Recorded		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OW02	97.83	05/27/14	8.76	89.07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1
Summary of Groundwater Data
TOC Holdings Co. Facility No. 01-169
851 North Broadway
Everett, Washington

Well ID	TOC (feet)	Date	Depth to Groundwater [1] (feet)	Groundwater Elevation [2] (feet)	Analytical Results (µg/L)																
					GRPH [3]	DRPH [4]	ORPH [4]	Benzene [5]	Toluene [5]	Ethylbenzene [5]	Total Xylenes [5]	Naphthalene [5]	MTBE [5]	EDB [5]	EDC [5]	Lead [6]		Arsenic [6]		Trimethylbenzene [5]	
																Total	Dissolved	Total	Dissolved	1,2,4-	1,3,5-
MTCA Method A Cleanup Level for Groundwater [7]					**800/1,000 [8]**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**160**	**20**	**0.01**	**5**	**15**		**5**		**NE**	**80**
RW01	99.45	05/03/06	10.12	89.33	<50.0	--	--	<0.500	<0.500	<0.500	<3.00	--	<5.00	<0.500	<0.500	--	--	--	--		
RW01	99.45	07/20/06	17.14	82.31	<100	--	--	<0.500	<0.500	<0.500	<3.00	--	<5.00	<0.500	<0.500	--	--	--	--	--	--
RW01	99.45	11/08/06	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW01	99.45	02/06/07	10.39	89.06	<100	--	--	<1	<1	<1	<3	--	--	--	--	<1	<1	<1	1.10 [c]	--	--
RW01	99.45	06/08/07	10.15	89.30	<100	--	--	<1	<1	<1	<3	--	--	--	--	<1	<1	<1	1.04 [c]	--	--
RW01	99.45	08/14/07	10.71	88.74	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW01	99.45	11/29/07	10.97	88.48	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW01	99.45	02/19/08	9.32	90.13	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW01	99.45	06/27/08	8.71	90.74	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW01	99.45	08/12/08	9.15	90.30	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW01	99.45	11/26/08	7.62	91.83	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW01	99.45	03/31/09	7.25	92.20	<100	72 [x]	300	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW01	99.45	06/19/09	9.29	90.16	<100	--	--	<1	<1	<1	<3	<1	<1	<1	<1	--	<1	--	--	--	--
RW01	99.45	08/28/09	9.28	90.17	<100	<50	<250	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW01	99.45	11/25/09	7.01	92.44	<100	<50	<250	<1	<1	<1	<3	<1	<1	<1	<1	--	<1	--	--	--	--
RW01	99.45	01/28/10	7.25	92.20	<100	<50	<250	<1	<1	<1	<3	<1	<1	<1	<1	--	--	--	--	--	--
RW01	99.45	06/09/10	6.63	92.82	<100	<50	<250	<0.35	<1	<1	<3	<1	<1	<1	<1	--	--	--	--	--	--
RW01	99.45	08/18/10	7.84	91.61	<100	<50	<250	<0.35	<1	<1	<3	<5	<1	<1	<1	--	--	--	--	--	--
RW01	99.45	11/09/10	7.04	92.41	<100	<50	<250	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW01	99.45	02/16/11	6.95	92.50	<100	<50	<250	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW01	99.45	05/19/11	7.95	91.50	<100	<50	<250	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW01	99.45	08/18/11	10.50	88.95	<100	<50	<250	<1	7.3	<1	<3	--	--	--	--	--	--	--	--	--	--
RW01	99.45	11/21/11	10.18	89.27	<100	<50	<250	<1	<1	<1	<3	--	--	---	--	--	--	--	--	--	--
RW01	99.45	02/15/12	9.73	89.72	<100	<50	<250	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW01	99.47	05/18/12	9.08	90.39	<100	54 [x]	<250	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW01	99.47	08/14/12	15.86	83.61	<100	200 [x]	**840**	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW01	99.47	11/29/12	10.29	89.18	<100	60 [x]	<250	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW01	99.47	03/05/13	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW01	99.47	06/04/13	13.02	86.45	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW01	99.47	08/27/13	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW01	99.47	11/21/13	11.39	88.08	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW01	99.47	03/05/14	10.9	88.57	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW01	99.47	05/26/14	10.15	89.32	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--

Table 1
Summary of Groundwater Data
TOC Holdings Co. Facility No. 01-169
851 North Broadway
Everett, Washington

Well ID	TOC (feet)	Date	Depth to Groundwater [1] (feet)	Groundwater Elevation [2] (feet)	Analytical Results (µg/L)											Lead [6]		Arsenic [6]		Trimethylbenzene [5]	
					GRPH [3]	DRPH [4]	ORPH [4]	Benzene [5]	Toluene [5]	Ethylbenzene [5]	Total Xylenes [5]	Naphthalene [5]	MTBE [5]	EDB [5]	EDC [5]	Total	Dissolved	Total	Dissolved	1,2,4-	1,3,5-
MTCA Method A Cleanup Level for Groundwater [7]					**800/1,000 [8]**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**160**	**20**	**0.01**	**5**	**15**		**5**		**NE**	**80**
RW02	99.63	05/03/06	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW02	99.63	07/20/06	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW02	99.63	11/08/06	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW02	99.63	02/06/07	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW02	99.63	06/08/07	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW02	99.63	08/14/07	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW02	99.63	11/29/07	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW02	99.63	02/19/08	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW02	99.63	06/27/08	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW02	99.63	08/12/08	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW02	99.63	11/26/08	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW02	99.63	03/31/09	15.45	84.18	560	510 [x]	<250	3	15	4	81	--	--	--	--	--	--	--	--	--	--
RW02	99.63	06/19/09	15.95	83.68	110	--	--	2.0	<1	1.0	15.1	<1	<1	<1	<1	--	--	--	--	--	--
RW02	99.63	08/27/09	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW02	99.63	11/25/09	15.40	84.23	**8,800**	**1,100** [x]	<250	**67**	280	82	**2,190**	100	<1	<1	<1	--	3.61	--	--	--	--
RW02	99.63	01/28/10	15.20	84.43	**9,000**	**1,000** [x]	<250	**120**	140	130	**2,040**	150	<1	<1	<1	--	--	--	--	--	--
RW02	99.63	06/09/10	11.94	87.69	**840**	67 [x]	<250	2.5	26	24	214	4.6	<1	<1	<1	--	--	--	--	--	--
RW02	99.63	08/18/10	16.36	83.27	**14,000**	**4,200** [x]	<250	**97**	490	460	**3,980**	<500	<1	<1	<1	--	--	--	--	--	--
RW02	99.63	11/09/10	14.48	85.15	**22,000**	**1,200** [x]	<250	**140**	420	**820**	**5,400**	**360**	--	--	--	--	--	--	--	--	--
RW02	99.63	02/16/11	11.75	87.88	290	<50	<250	1.9	2.8	11	57	--	--	--	--	--	--	--	--	--	--
RW02	99.63	05/18/11	12.82	86.81	**17,000**	**1,500** [x]	<250	**44**	160	**790**	**3,770**	**220**	--	--	--	--	--	--	--	--	--
RW02	99.63	08/18/11	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW02	99.67	11/21/11	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW02	99.67	02/15/12	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW02	99.88	05/17/12	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW02	99.88	08/14/12	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW02	99.88	11/28/12	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW02	99.88	03/05/13	12.55	87.33	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW02	99.88	06/04/13	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW02	99.88	08/27/13	Pump in Well	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW02	99.88	11/21/13	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW02	99.88	03/05/14	No Measurement Recorded		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW02	99.88	05/27/14	Inaccessible	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1
Summary of Groundwater Data
TOC Holdings Co. Facility No. 01-169
851 North Broadway
Everett, Washington

Well ID	TOC (feet)	Date	Depth to Groundwater [1] (feet)	Groundwater Elevation [2] (feet)	Analytical Results (µg/L)											Lead [6]		Arsenic [6]		Trimethylbenzene [5]	
					GRPH [3]	DRPH [4]	ORPH [4]	Benzene [5]	Toluene [5]	Ethylbenzene [5]	Total Xylenes [5]	Naphthalene [5]	MTBE [5]	EDB [5]	EDC [5]	Total	Dissolved	Total	Dissolved	1,2,4-	1,3,5-
MTCA Method A Cleanup Level for Groundwater [7]					800/1,000 [8]	500	500	5	1,000	700	1,000	160	20	0.01	5	15		5		NE	80
RW03	99.22	05/03/06	9.48	89.74	345	--	--	0.670	<0.500	4.71	41.7	--	<5.00	<0.500	<0.500	--	--	--	--	--	--
RW03	99.22	07/21/06	11.63	87.59	<100	--	--	<0.500	<0.500	<0.500	<3.00	--	<5.00	<0.500	<0.500	--	--	--	--	--	--
RW03	99.22	11/08/06	11.50	87.72	<100	--	--	<1	<1	<1	<3	--	<1	<1	<1	--	<1	--	--	--	--
RW03	99.22	02/06/07	9.68	89.54	<100	--	--	<1	<1	<1	<3	--	--	--	--	<1	<1	<1	<1	--	--
RW03	99.22	06/08/07	9.44	89.78	<100	--	--	<1	<1	<1	<3	--	--	--	--	<1	<1	<1	1.05 [c]	--	--
RW03	99.22	08/14/07	10.06	89.16	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW03	99.22	11/29/07	10.62	88.60	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW03	99.22	02/19/08	8.91	90.31	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW03	99.22	06/27/08	8.27	90.95	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW03	99.22	08/12/08	8.65	90.57	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW03	99.22	11/26/08	8.22	91.00	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW03	99.22	03/31/09	7.04	92.18	<100	<50	<250	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW03	99.22	06/19/09	8.92	90.30	<100	--	--	<1	<1	<1	<3	<1	1.5	<1	<1	--	<1	--	--	--	--
RW03	99.22	08/28/09	8.90	90.32	<100	<50	<250	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW03	99.22	11/25/09	6.82	92.40	<100	<50	<250	<1	<1	<1	<3	<1	<1	<1	<1	--	<1	--	--	--	--
RW03	99.22	01/29/10	7.05	92.17	<100	<50	<250	<1	<1	<1	<3	<1	<1	<1	<1	--	--	--	--	--	--
RW03	99.22	06/09/10	6.58	92.64	<100	<50	<250	<0.35	<1	<1	<3	<1	<1	<1	<1	--	--	--	--	--	--
RW03	99.22	08/18/10	7.55	91.67	<100	<50	<250	<0.35	<1	<1	<3	<5	<1	<1	<1	--	--	--	--	--	--
RW03	99.22	11/09/10	6.90	92.32	<100	120 [z]	<250	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW03	99.22	02/16/11	6.80	92.42	<100	<50	<250	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW03	99.22	05/18/11	Inaccessible		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW03	99.22	08/18/11	10.15	89.07	<100	<50	<250	<1	4.1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW03	99.41	11/21/11	10.03	89.38	<100	<50	<250	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW03	99.41	02/16/12	9.61	89.80	<100	<50	<250	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW03	99.66	05/18/12	8.94	90.72	<100	<50	<250	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW03	99.66	08/14/12	11.88	87.78	<100	<50	<250	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW03	99.66	11/28/12	10.62	89.04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW03	99.66	03/05/13	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW03	99.66	06/04/13	12.15	87.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW03	99.66	08/27/13	Pump in Well	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW03	99.66	11/21/13	12.04	87.62	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW03	99.66	03/05/14	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW03	99.66	05/27/14	10.18	89.48	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1
Summary of Groundwater Data
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851 North Broadway
Everett, Washington

Well ID	TOC (feet)	Date	Depth to Groundwater [1] (feet)	Groundwater Elevation [2] (feet)	Analytical Results (µg/L)											Lead [6]		Arsenic [6]		Trimethylbenzene [5]	
					GRPH [3]	DRPH [4]	ORPH [4]	Benzene [5]	Toluene [5]	Ethylbenzene [5]	Total Xylenes [5]	Naphthalene [5]	MTBE [5]	EDB [5]	EDC [5]	Total	Dissolved	Total	Dissolved	1,2,4-	1,3,5-
MTCA Method A Cleanup Level for Groundwater [7]					**800/1,000 [8]**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**160**	**20**	**0.01**	**5**	**15**		**5**		**NE**	**80**
RW04	98.87	05/03/06	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW04	98.87	07/19/06	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW04	98.87	11/08/06	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW04	98.87	02/06/07	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW04	98.87	06/08/07	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW04	98.87	08/14/07	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW04	98.87	11/29/07	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW04	98.87	02/19/08	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW04	98.87	06/27/08	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW04	98.87	08/12/08	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW04	98.87	11/26/08	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW04	98.87	03/31/09	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW04	98.87	06/19/09	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW04	98.87	08/27/09	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW04	98.87	11/25/09	15.66	83.21	350	<50	<250	**27**	40	5.6	88	<1	1.6	<1	<1	--	<1	--	--	--	--
RW04	98.87	01/28/10	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW04	98.87	06/09/10	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW04	98.87	08/18/10	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW04	98.87	11/09/10	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW04	98.87	02/16/11	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW04	98.87	05/18/11	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW04	98.87	08/18/11	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW04	99.06	11/21/11	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW04	99.06	02/15/12	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW04	99.27	05/17/12	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW04	99.27	08/14/12	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW04	99.27	11/29/12	15.05	84.22	**11,000**	**1,900** [x]	<300	**82**	350	10	**2,400**	--	--	--	--	--	--	--	--	--	--
RW04	99.27	03/05/13	12.74	86.53	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW04	99.27	06/04/13	15.80	83.47	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW04	99.27	08/27/13	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW04	99.27	11/21/13	15.51	83.76	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW04	99.27	03/05/14	16.2	83.07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW04	99.27	05/27/14	17.19	82.08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1
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851 North Broadway
Everett, Washington

Well ID	TOC (feet)	Date	Depth to Groundwater [1] (feet)	Groundwater Elevation [2] (feet)	Analytical Results (µg/L)																
					GRPH [3]	DRPH [4]	ORPH [4]	Benzene [5]	Toluene [5]	Ethylbenzene [5]	Total Xylenes [5]	Naphthalene [5]	MTBE [5]	EDB [5]	EDC [5]	Lead [6]		Arsenic [6]		Trimethylbenzene [5]	
																Total	Dissolved	Total	Dissolved	1,2,4-	1,3,5-
MTCA Method A Cleanup Level for Groundwater [7]					**800/1,000 [8]**	**500**	**500**	**5**	**1,000**	**700**	**1,000**	**160**	**20**	**0.01**	**5**	**15**		**5**		**NE**	**80**
RW05	98.30	05/03/06	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW05	98.30	07/19/06	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW05	98.30	11/08/06	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW05	98.30	02/06/07	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW05	98.30	06/08/07	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW05	98.30	08/14/07	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW05	98.30	11/29/07	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW05	98.30	02/19/08	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW05	98.30	06/27/08	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW05	98.30	08/12/08	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW05	98.30	11/26/08	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW05	98.30	03/31/09	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW05	98.30	06/19/09	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW05	98.30	08/27/09	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW05	98.72	11/25/09	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW05	98.72	01/28/10	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW05	98.29	06/09/10	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW05	98.29	08/18/10	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW05	98.29	11/09/10	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW05	98.29	02/16/11	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW05	98.29	05/18/11	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW05	98.29	08/18/11	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW05	98.29	11/21/11	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW05	98.29	02/15/12	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW05	98.29	05/18/12	15.19	83.10	**1,200**	**650 [x]**	<250	**260**	47	24	127	3.0	--	--	--	--	--	--	--	--	--
RW05	98.29	08/14/12	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW05	98.29	11/28/12	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW05	98.29	03/05/13	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW05	98.29	06/04/13	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW05	98.29	08/27/13	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW05	98.29	11/21/13	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW05	98.29	03/05/14	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW05	99.29	05/27/14	16.54	82.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW06	98.25	05/04/06	10.82	87.43	77.4	--	--	<0.500	<0.500	<0.500	<3.00	--	<5.00	<0.500	<0.500	--	--	--	--	--	--
RW06	98.25	07/19/06	9.90	88.35	<100	--	--	<0.500	<0.500	<0.500	<3.00	--	<5.00	<0.500	<0.500	--	--	--	--	--	--
RW06	98.25	11/08/06	9.78	88.47	<100	--	--	<1	<1	<1	<3	--	<1	<1	<1	--	--	--	--	--	--
RW06	98.25	02/06/07	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW06	98.25	06/08/07	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW06	98.25	08/14/07	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW06	98.25	11/29/07	10.89	87.36	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW06	98.25	02/19/08	9.82	88.43	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW06	98.25	06/27/08	10.86	87.39	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW06	98.25	08/12/08	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW06	98.25	11/26/08	Inaccessible	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW06	98.25	03/31/09	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1
Summary of Groundwater Data
TOC Holdings Co. Facility No. 01-169
851 North Broadway
Everett, Washington

Well ID	TOC (feet)	Date	Depth to Groundwater [1] (feet)	Groundwater Elevation [2] (feet)	Analytical Results (µg/L)																	
					GRPH [3]	DRPH [4]	ORPH [4]	Benzene [5]	Toluene [5]	Ethylbenzene [5]	Total Xylenes [5]	Naphthalene [5]	MTBE [5]	EDB [5]	EDC [5]	Lead [6]		Arsenic [6]		Trimethylbenzene [5]	
																Total	Dissolved	Total	Dissolved	1,2,4-	1,3,5-
MTCA Method A Cleanup Level for Groundwater [7]					800/1,000 [8]	500	500	5	1,000	700	1,000	160	20	0.01	5	15		5		NE	80
RW06	98.25	06/19/09	9.92	88.33	<100	--	--	<1	<1	<1	<3	<1	<1	<1	<1	--	13.8	--	--	--	--
RW06	98.25	08/28/09	9.80	88.45	<100	120	<250	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW06	98.25	11/25/09	9.73	88.52	<100	<50	<250	<1	<1	<1	<3	<1	<1	<1	<1	--	<1	--	--	--	--
RW06	98.25	01/28/10	9.72	88.53	<100	<50	<250	<1	<1	<1	<3	<1	<1	<1	<1	--	--	--	--	--	--
RW06	98.25	06/09/10	9.61	88.64	<100	<50	<250	<0.35	<1	<1	<3	<1	<1	<1	<1	--	--	--	--	--	--
RW06	98.25	08/18/10	9.99	88.26	<100	81 [z]	<250	<0.35	<1	<1	<3	<5	<1	<1	<1	--	--	--	--	--	--
RW06	98.25	11/09/10	9.70	88.55	<100	<50	<250	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW06	98.25	02/16/11	9.70	88.55	<100	<50	<250	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW06	98.25	05/18/11	9.68	88.57	<100	<50	<250	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW06	98.25	08/19/11	9.99	88.26	<100	<50	<250	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW06	98.25	11/22/11	9.89	88.36	<100	<50	<250	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW06	98.25	02/16/12	9.73	88.52	<100	<50	<250	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW06	98.24	05/18/12	9.73	88.51	<100	<50	<250	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW06	98.24	08/14/12	9.93	88.31	<100	<50	<250	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW06	98.24	11/30/12	9.70	88.54	<100	<50	<250	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW06	98.24	03/05/13	9.69	88.55	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW06	98.24	06/04/13	9.73	88.51	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW06	98.24	08/28/13	9.97	88.27	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW06	98.24	11/21/13	9.69	88.55	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW06	98.24	03/04/14	9.64	88.60	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW06	98.24	05/29/14	9.70	88.54	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW07	98.41	05/03/06	10.06	88.35	66.7	--	--	1.380	<0.500	<0.500	<3.00	--	<5.00	<0.500	<0.500	--	--	--	--	--	--
RW07	98.41	07/19/06	11.27	87.14	<100	--	--	4.10	3.63	<0.500	<3.00	--	<5.00	<0.500	<0.500	--	--	--	--	--	--
RW07	98.41	11/08/06	10.70	87.71	<100	--	--	3.8	<1	<1	<3	--	<1	<1	<1	--	--	--	--	--	--
RW07	98.41	02/06/07	9.13	89.28	<100	--	--	<1	<1	<1	<3	--	--	--	--	<1	<1	13.2	18.2 [c]	--	--
RW07	98.41	06/08/07	8.89	89.52	<100	--	--	3	<1	<1	<3	--	--	--	--	<1	<1	43.3	60.2 [c]	--	--
RW07	98.41	08/14/07	10.94	87.47	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW07	98.41	11/29/07	9.30	89.11	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW07	98.41	02/19/08	11.92	86.49	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW07	98.41	06/27/08	Inaccessible	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW07	98.41	08/12/08	Inaccessible	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW07	98.41	11/26/08	9.81	88.60	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW07	98.41	03/31/09	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW07	98.41	06/19/09	10.22	88.19	<100	--	--	<1	<1	<1	<3	<1	<1	<1	<1	--	<1	--	--	--	--
RW07	98.41	08/28/09	8.87	89.54	<100	2,100 [x]	1,900	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW07	98.41	11/25/09	9.10	89.31	<100	150 [x]	840	<1	2.8	<1	<3	<1	5.9	<1	<1	--	<1	--	--	--	--
RW07	98.41	01/29/10	9.29	89.12	<100	<50	<250	<1	<1	<1	<3	<1	4.7	<1	<1	--	--	--	--	--	--
RW07	98.41	06/09/10	9.48	88.93	<100	62 [x]	470	<0.35	<1	<1	<3	<1	4.5	<1	<1	--	--	--	--	--	--
RW07	98.41	08/18/10	10.25	88.16	<100	470 [x]	<250	<0.35	<1	<1	<3	<5	7.2	<1	<1	--	--	--	--	--	--
RW07	98.41	11/09/10	9.73	88.68	<100	660 [x]	360 [x]	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW07	98.41	02/16/11	8.48	89.93	<100	<50	<250	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW07	98.41	05/18/11	8.40	90.01	<100	<50	<250	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW07	98.41	08/18/11	9.86	88.55	<100	<50	<250	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW07	98.41	11/22/11	11.46	86.95	<100	<50	<250	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW07	98.41	02/15/12	10.11	88.30	<100	620 [x]	270 [x]	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW07	98.40	05/17/12	11.38	87.02	<100	410	350 [x]	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW07	98.40	08/14/12	10.33	88.07	<100	570 [x]	<250	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW07	98.40	11/28/12	9.85	88.55	<100	730 [x]	310 [x]	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW07	98.40	03/05/13	8.63	89.77	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW07	98.40	06/04/13	9.48	88.92	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW07	98.40	08/28/13	10.93	87.47	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW07	98.40	11/22/13	11.27	87.13	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW07	98.40	03/04/14	9.68	88.72	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW07	98.40	05/27/14	10.65	87.75	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--

Table 1
Summary of Groundwater Data
TOC Holdings Co. Facility No. 01-169
851 North Broadway
Everett, Washington

Well ID	TOC (feet)	Date	Depth to Groundwater [1] (feet)	Groundwater Elevation [2] (feet)	Analytical Results (µg/L)																
					GRPH [3]	DRPH [4]	ORPH [4]	Benzene [5]	Toluene [5]	Ethylbenzene [5]	Total Xylenes [5]	Naphthalene [5]	MTBE [5]	EDB [5]	EDC [5]	Lead [6]		Arsenic [6]		Trimethylbenzene [5]	
																Total	Dissolved	Total	Dissolved	1,2,4-	1,3,5-
MTCA Method A Cleanup Level for Groundwater [7]					800/1,000 [8]	500	500	5	1,000	700	1,000	160	20	0.01	5	15		5		NE	80
RW08	99.32	08/18/11	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW08	99.32	11/21/11	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW08	99.32	02/15/12	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW08	99.49	05/17/12	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW08	99.49	08/14/12	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW08	99.49	11/28/12	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW08	99.49	03/05/13	23.10	76.39	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW08	99.49	06/04/13	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW08	99.49	08/27/13	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW08	99.49	11/21/13	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW08	99.49	03/06/14	26.33	73.16	1500	--	--	1.6	2.5	1.1	250	5.4	--	--	--	--	--	--	--	--	--
RW08	99.49	05/26/14	26.31	73.18	5,400	--	--	34	94	120	1,300	38	--	--	--	--	--	--	--	--	--
RW09	98.12	08/19/11	11.58	86.54	170	<50	<250	19	<1	<1	<3	<1	--	--	--	--	<1	--	--	--	--
RW09	98.12	11/22/11	10.66	87.46	<100	<50	<250	10	<1	<1	<3	<1	--	--	--	--	<1	--	--	--	--
RW09	98.12	02/16/12	10.19	87.93	<100	770 [x]	330 [x]	10	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW09	98.09	05/17/12	11.45	86.64	<100	520	320 [x]	9.2	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW09	98.09	08/14/12	10.82	87.27	<100	250 [x]	<250	4.1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW09	98.09	11/30/12	10.32	87.77	<100	380 [x]	<250	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW09	98.09	03/05/13	10.21	87.88	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW09	98.09	06/04/13	10.39	87.70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW09	98.09	08/27/13	11.06	87.03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW09	98.09	11/22/13	9.89	88.20	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW09	98.09	03/04/14	9.98	88.11	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW09	98.09	05/29/14	10.39	87.70	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW10	98.76	08/18/11	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW10	98.76	11/22/11	20.06	78.70	<100	<50	<250	<0.35	<1	<1	<3	<1	--	--	--	--	<1	--	--	--	--
RW10	98.76	02/16/12	15.85	82.91	<100	<50	<250	<1	<1	<1	3.8	--	--	--	--	--	--	--	--	--	--
RW10	99.02	05/18/12	8.94	90.08	<100	<50	<250	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW10	99.02	08/14/12	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW10	99.02	11/30/12	19.31	79.71	<100	200 [x]	<250	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW10	99.02	03/05/13	20.54	78.48	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW10	99.02	06/04/13	23.87	75.15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW10	99.02	08/27/13	Pump in Well		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW10	99.02	11/21/13	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW10	99.02	03/06/14	17.48	81.54	<100	--	--	<1	<1	<1	<3	--	--	--	--	--	--	--	--	--	--
RW10	99.02	05/27/14	18.35	80.67	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1
Summary of Groundwater Data
TOC Holdings Co. Facility No. 01-169
851 North Broadway
Everett, Washington

Well ID	TOC (feet)	Date	Depth to Groundwater [1] (feet)	Groundwater Elevation [2] (feet)	Analytical Results (µg/L)											Lead [6]		Arsenic [6]		Trimethylbenzene [5]	
					GRPH [3]	DRPH [4]	ORPH [4]	Benzene [5]	Toluene [5]	Ethylbenzene [5]	Total Xylenes [5]	Naphthalene [5]	MTBE [5]	EDB [5]	EDC [5]	Total	Dissolved	Total	Dissolved	1,2,4-	1,3,5-
MTCA Method A Cleanup Level for Groundwater [7]					800/1,000 [8]	500	500	5	1,000	700	1,000	160	20	0.01	5	15		5		NE	80
RW11	99.81	08/18/11	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW11	99.81	11/21/11	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW11	99.81	02/15/12	20.33	79.48	3,400	1,200 x	<250	150	200	27	480	16	--	--	--	--	--	--	--	--	--
RW11	99.28	05/17/12	19.94	79.34	14,000	1,200 x	<250	560	1,400	360	2,770	97	--	--	--	--	--	--	--	--	--
RW11	99.28	08/14/12	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW11	99.28	11/29/12	18.25	81.03	460	520 x	<250	52	13	8.1	48	<1	--	--	--	--	--	--	--	--	--
RW11	99.28	03/05/13	19.62	79.66	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW11	99.28	06/04/13	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW11	99.28	08/27/13	23.44	75.84	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW11	99.28	11/22/13	21.88	77.40	750	--	--	1.1	13	<1	150	--	--	--	--	--	--	--	--	--	--
RW11	99.28	03/05/14	22.34	76.94	110	--	--	<1	<1	<1	11	--	--	--	--	--	--	--	--	--	--
RW11	99.28	05/26/14	22.02	77.26	110	--	--	<1	<1	<1	14	<1	--	--	--	--	--	--	--	--	--

NOTES:

Red denotes concentrations exceeding the MTCA Method A cleanup level.

Samples analyzed by TestAmerica Laboratories, Inc. of Bothell, Washington, or Friedman & Bruya, Inc. of Seattle, Washington.

TOCs were surveyed relative to an arbitrary benchmark with an assumed elevation of 100.00 feet.

[1] Measured in feet below the top of the well casing.

[2] Calculated by subtracting the depth to groundwater from the TOC.

[3] Analyzed by Method NWTPH-Gx.

[4] Analyzed by Method NWTPH-Dx.

[5] Analyzed by EPA Method 8021B, 8260B, or 8260C.

[6] Analyzed by EPA Method 200.8.

[7] MTCA Cleanup Regulation, Method A Cleanup Levels, Table 720-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, revised November 2007.

[8] 800 µg/L when benzene is present and 1,000 µg/L when benzene is not present.

[9] The TOC for OW02 was modified and resurveyed on March 16, 2009.

Laboratory Notes:

[c] The dissolved arsenic was greater than the total arsenic for the sample. The samples were reanalyzed by the laboratory with the same result.

[j] The result is below normal reporting limits. The value reported is an estimate.

[x,z] The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

[y] The pattern of peaks present is not indicative of motor oil.

-- = not analyzed/not measured

< = not detected at a concentration exceeding laboratory reporting limits

µg/L = micrograms per liter

DRPH = diesel-range petroleum hydrocarbons

Dry = measurable groundwater not encountered in well

EDB = ethylene dibromide (1,2-dibromoethane)

EDC = ethylene dichloride (1,2-dichloroethane)

EPA = U.S. Environmental Protection Agency

GRPH = gasoline-range petroleum hydrocarbons

MTBE = methyl tertiary-butyl ether

MTCA = Washington State Model Toxics Control Act

NWTPH = Northwest Total Petroleum Hydrocarbon

ORPH = oil-range petroleum hydrocarbons

TOC = top of well casing elevation

Table 2
Summary of System Performance
TOC Holdings Co. Facility No. 01-169
851 North Broadway
Everett, Washington

Reporting Period		Duration of Reporting Period (days)	System Run Time (days)	System Run Time (%)	Volume of Groundwater Discharged	Average Groundwater Recovered Flow Rate	GRPH Aqueous-Phase Removal (lb)	GRPH Vapor-Phase Removal (lb)
Start Date	**End Date**							
06/07/12	06/19/12	12	12	99%	3,950	329.2	0.015	103.0
06/19/12	09/12/12	85	41	48%	4,764	56.0	0.014	354.9
09/12/12	11/09/12	58	38	66%	2,306	39.8	0.006	513.0
11/09/12	07/10/13	119	29	24%	5,473	46.0	0.004	139.4
07/10/13	10/10/13	87	87	100%	8,932	102.7	0.007	178.0
10/10/13	01/00/00	106	65	61%	2,989	28.2	0.003	177.3
09/17/13	12/06/13	80	73	91%	3,727	46.6	0.003	314.9
12/06/14	03/14/14	98	95	98%	9,576.6	103.4	0.003	274.7
03/14/14	06/23/14	101	38	37%	6,119.0	161.0	0.0030	3.0
Average	--	--	--		--		--	--
Totals		**746**	**478**	**69%**	**47,837**	**101.4**	**0.055**	**2,055.2**

NOTES:

gallons/day = gallons per day

GRPH = gasoline-range petroleum hydrocarbons

lb = pound(s)

ATTACHMENT A

GROUNDWATER SAMPLE COLLECTION FORMS

GROUNDWATER SAMPLE COLLECTION

Well I.D. Number: MW01

Project Name: TOC Everett - Broadway
AEC Project #: 14-810
Date 26 May 2014

Sample I.D. MW01-20140526 Time: 1418
Field Duplicate I.D. _____ Time: _____
Personnel: Larry Namba

WELL INFORMATION

Monument condition: ☐ Good ☑ Needs repair Stripped ears ☑ Water in Monument
Well cap condition: ☑ Good ☐ Replaced ☐ Needs replacement ☐ Surface Water in Well
Headspace reading: ☑ Not measured _____ ppm ☐ Odor _____
Well diameter: ☑ 2-inch ☐ 4-inch ☐ 6-inch ☐ Other _____
Comments _____

PURGING INFORMATION

Total well depth 19.25 ft Bottom: ☐ Hard ☑ Soft ☐ Not measured Screen Interval(s): 5-20
Depth to product NM ft
Depth to water 10.97 ft Intake Depth (BTOC) 13 Begin Purging Well: 13:59
Casing volume 8.28 ft (H_2O) X 0.16 gal/ft = 1.32 gal. X 3 = 3.96 gal.
Volume Conversion Factors: 3/4"=0.02 gal/ft 1"=0.04 gal/ft 2"=0.16 gal/ft 4"=0.65 gal/ft 6"= 1.47 gal/ft

PURGING/DISPOSAL METHOD

Pump type ☑ Peristaltic ☐ Centrifugal ☐ Dedicated Bladder ☐ Non-Dedicated Bladder Other _____
Bailer type: _____ Water Disposal: ☐ Drummed ☑ Remediation System ☐ Other _____

FIELD PARAMETERS

Odor and/or Sheen: None

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)
1400	11.33		15.84	0.543	6.01	6.98	155	105
1403	11.35	0.104	15.76	0.558	5.63	6.98	154	98.1
1406	11.38		16.02	0.561	5.64	6.97	152	99.3
1409	11.43		15.93	0.558	5.51	6.97	152	99.6
1412	11.45		15.88	0.560	5.69	6.98	152	111
1415	11.51		15.58	0.538	5.81	6.98	153	114

Stabilization achieved if three successive measurements for pH, Conductivity and Turbidity and/or Dissolved Oxygen are recorded within their respective stabilization criteria. A minimum of six measurements should be recorded.
Purging Comments: tannish

SAMPLE INFORMATION

Container Type	Bottle Count	Preservative	Field Filtered?	Analysis
40 mL VOA	3	HCl	(No) 0.45 0.10	G, BTEX
			No 0.45 0.10	
			No 0.45 0.10	
			No 0.45 0.10	
			No 0.45 0.10	

Sampling Comments: _____

GROUNDWATER SAMPLE COLLECTION

Well I.D. Number: mw09

Project Name: TOC Everett - Broadway (01-169) Sample I.D. mw09-20140530 Time: 1229
AEC Project #: 14-810 Field Duplicate I.D. _____ Time: _____
Date 30 May 2014 Personnel: Larry Namba

WELL INFORMATION

Monument condition: ☑ Good ☐ Needs repair _____ ☐ Water in Monument
Well cap condition: ☑ Good ☐ Replaced ☐ Needs replacement ☐ Surface Water in Well
Headspace reading: ☑ Not measured _____ ppm ☐ Odor _____
Well diameter: ☑ 2-inch ☐ 4-inch ☐ 6-inch ☐ Other _____
Comments _____

PURGING INFORMATION

Total well depth 23.15 ft Bottom: ☐ Hard ☑ Soft ☐ Not measured Screen Interval(s): 5-25
Depth to product NM ft
Depth to water 19.29 ft Intake Depth (BTOC) ~~27~~ 22 Begin Purging Well: 1209
Casing volume 3.86 ft (H_2O) X 0.16 gal/ft = 0.62 gal. X 3 = 1.86 gal.
Volume Conversion Factors: 3/4"=0.02 gal/ft 1"=0.04 gal/ft 2"=0.16 gal/ft 4"=0.65 gal/ft 6"= 1.47 gal/ft

PURGING/DISPOSAL METHOD

Pump type ☑ Peristaltic ☐ Centrifugal ☐ Dedicated Bladder ☐ Non-Dedicated Bladder Other _____
Bailer type: _____ Water Disposal: ☐ Drummed ☑ Remediation System ☐ Other _____

FIELD PARAMETERS

Odor and/or Sheen: faint H_2S odor

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)
1211	19.57		17.57	0.874	1.33	6.30	-83	9.5
1214	19.67	0.070	15.01	0.771	0.45	6.38	-85	6.9
1217	19.79		14.55	0.759	0.43	6.42	-86	5.7
1220	19.92		14.60	0.750	0.37	6.43	-86	6.4
1223	20.02		14.65	0.746	0.30	6.43	-87	6.4
1226	20.11		14.45	0.744	0.27	6.45	-87	7.6

Stabilization achieved if three successive measurements for pH, Conductivity and Turbidity or Dissolved Oxygen are recorded within their perspective stabilization criteria. A minimum of six measurements should be recorded.
Purging Comments: _____

SAMPLE INFORMATION

Container Type	Bottle Count	Preservative	Field Filtered?	Analysis
40 mL VOA	3	HCl	(No) 0.45 0.10	C_6, BTEX
			No 0.45 0.10	
			No 0.45 0.10	
			No 0.45 0.10	
			No 0.45 0.10	

Sampling Comments: _____

GROUNDWATER SAMPLE COLLECTION

Well I.D. Number: MW12

Project Name:. TOC Everett - Broadway (01-169)
AEC Project #: 14-810
Date 29 May 2014

Sample I.D. MW12-20140529 Time: 1204
Field Duplicate I.D. _____ Time: _____
Personnel: Larry Namba

WELL INFORMATION

Monument condition: ☐ Good ☑ Needs repair Stripped Bears ☑ Water in Monument
Well cap condition: ☑ Good ☐ Replaced ☐ Needs replacement ☐ Surface Water in Well
Headspace reading: ☑ Not measured _____ ppm ☐ Odor _____
Well diameter: ☑ 2-inch ☐ 4-inch ☐ 6-inch ☐ Other _____
Comments _____

PURGING INFORMATION

Total well depth 15.14 ft Bottom: ☑ Hard ☐ Soft ☐ Not measured Screen Interval(s): 5-15
Depth to product NM ft
Depth to water 10.44 ft Intake Depth (BTOC) 13 Begin Purging Well: 1142
Casing volume _____ ft (H_2O) X _____ gal/ft = _____ gal. X 3 = _____ gal.
Volume Conversion Factors: 3/4"=0.02 gal/ft 1"=0.04 gal/ft 2"=0.16 gal/ft 4"=0.65 gal/ft 6"= 1.47 gal/ft

PURGING/DISPOSAL METHOD

Pump type ☑ Peristaltic ☐ Centrifugal ☐ Dedicated Bladder ☐ Non-Dedicated Bladder Other _____
Bailer type: _____ Water Disposal:: ☐ Drummed ☑ Remediation System ☐ Other _____

FIELD PARAMETERS

Odor and/or Sheen: None

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)
1146	10.59		15.51	0.883	6.12	7.16	8	5.6
1149	10.63	0.076	15.24	0.865	5.78	7.31	24	5.1
1152	10.70		15.09	0.866	5.74	7.34	44	6.5
1155	10.75		15.07	0.860	5.99	7.41	52	9.5
1158	10.81		15.31	0.860	6.02	7.42	59	11.3
1201	10.87		15.30	0.860	6.24	7.43	63	10.8

Stabilization achieved if three successive measurements for pH, Conductivity and Turbidity and/or Dissolved Oxygen are recorded within their respective stabilization criteria. A minimum of six measurements should be recorded.

Purging Comments: _____

SAMPLE INFORMATION

Container Type	Bottle Count	Preservative	Field Filtered?	Analysis
40 ml VOA	3	HCl	(No) 0.45 0.10	G, BTEX
			No 0.45 0.10	
			No 0.45 0.10	
			No 0.45 0.10	
			No 0.45 0.10	

Sampling Comments: _____

GROUNDWATER SAMPLE COLLECTION

Well I.D. Number: MW13

Project Name: TOC Everett - Broadway (01-169) Sample I.D. MW13-20140527 Time: 1433
AEC Project #: 14-810 Field Duplicate I.D. _____ Time: _____
Date 27 May 2014 Personnel: Larry Namba

WELL INFORMATION

Monument condition: ☑ Good ☐ Needs repair _____ ☑ Water in Monument
Well cap condition: ☑ Good ☐ Replaced ☐ Needs replacement ☐ Surface Water in Well
Headspace reading: ☑ Not measured _____ ppm ☐ Odor _____
Well diameter: ☑ 2-inch ☐ 4-inch ☐ 6-inch ☐ Other _____
Comments _____

PURGING INFORMATION

Total well depth 14.81 ft Bottom: ☑ Hard ☐ Soft ☐ Not measured Screen Interval(s): 5-15
Depth to product NM ft
Depth to water 9.56 ft Intake Depth (BTOC) 12 Begin Purging Well: 1414
Casing volume 5.25 ft (H_2O) X 0.16 gal/ft = 0.84 gal. X 3 = 2.52 gal.
Volume Conversion Factors: 3/4"=0.02 gal/ft 1"=0.04 gal/ft 2"=0.16 gal/ft 4"=0.65 gal/ft 6"= 1.47 gal/ft

PURGING/DISPOSAL METHOD

Pump type ☑ Peristaltic ☐ Centrifugal ☐ Dedicated Bladder ☐ Non-Dedicated Bladder Other _____
Bailer type: _____ Water Disposal:: ☐ Drummed ☑ Remediation System ☐ Other _____

FIELD PARAMETERS

Odor and/or Sheen: None

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)
1415	9.70		18.45	0.870	3.52	6.53	12	1.8
1418	9.76	0.076	16.65	0.857	0.65	6.50	34	1.4
1421	9.82		16.46	0.848	0.50	6.49	46	1.9
1424	9.87		16.38	0.842	0.40	6.48	52	2.4
1427	9.92		16.42	0.840	0.37	6.48	57	2.7
1430	9.98		16.40	0.837	0.35	6.48	62	3.5

Stabilization achieved if three successive measurements for pH, Conductivity and Turbidity and/or Dissolved Oxygen are recorded within their respective stabilization criteria. A minimum of six measurements should be recorded.
Purging Comments: _____

SAMPLE INFORMATION

Container Type	Bottle Count	Preservative	Field Filtered?	Analysis
40 ml VOA	3	HCl	(No) 0.45 0.10	G, BTEX
			No 0.45 0.10	
			No 0.45 0.10	
			No 0.45 0.10	
			No 0.45 0.10	

Sampling Comments: _____

GROUNDWATER SAMPLE COLLECTION

Well I.D. Number: RW01

Project Name: TOC Everett - Broadway (01-169) Sample I.D. RW01-20140526 Time: 1342
AEC Project #: 14-810 Field Duplicate I.D. _____ Time: _____
Date 24 May 2014 Personnel: Larry Namba

WELL INFORMATION

Monument condition: ☐ Good ☐ Needs repair _____ ☑ Water in Monument
Well cap condition: ☑ Good ☐ Replaced ☐ Needs replacement ☐ Surface Water in Well
Headspace reading: ☑ Not measured _____ ppm ☐ Odor _____
Well diameter: ☐ 2-inch ☑ 4-inch ☐ 6-inch ☐ Other _____
Comments Vaulted

PURGING INFORMATION

Total well depth 17.53 ft Bottom: ☑ Hard ☐ Soft ☐ Not measured Screen Interval(s): 8-18
Depth to product NM ft
Depth to water 10.13 ft Intake Depth (BTOC) 13 Begin Purging Well: 1322
Casing volume 7.40 ft (H_2O) X 0.65 gal/ft = 4.81 gal. X 3 = 14.43 gal.
Volume Conversion Factors: 3/4"=0.02 gal/ft 1"=0.04 gal/ft 2"=0.16 gal/ft 4"=0.65 gal/ft 6"= 1.47 gal/ft

PURGING/DISPOSAL METHOD

Pump type ☑ Peristaltic ☐ Centrifugal ☐ Dedicated Bladder ☐ Non-Dedicated Bladder Other _____
Bailer type: _____ Water Disposal: ☐ Drummed ☑ Remediation System ☐ Other _____

FIELD PARAMETERS

Odor and/or Sheen: None

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)
1324	10.18		15.21	0.456	6.58	6.40	170	9.4
1327	10.22	0.152	15.16	0.449	5.96	6.75	157	9.2
1330	10.25		14.63	0.446	5.95	6.85	151	11.1
1333	10.31		14.31	0.447	6.05	6.86	148	12.6
1336	10.36		14.23	0.450	6.22	6.87	144	14.7
1339	10.39		14.23	0.447	6.18	6.89	143	14.0

Stabilization achieved if three successive measurements for pH, Conductivity and Turbidity and/or Dissolved Oxygen are recorded within their respective stabilization criteria. A minimum of six measurements should be recorded.

Purging Comments: _____

SAMPLE INFORMATION

Container Type	Bottle Count	Preservative	Field Filtered?	Analysis
40 mL VOA	3	HCl	(No) 0.45 0.10	G, BTEX
			No 0.45 0.10	
			No 0.45 0.10	
			No 0.45 0.10	
			No 0.45 0.10	

Sampling Comments: _____

GROUNDWATER SAMPLE COLLECTION

Well I.D. Number: RW06

Project Name:. TOC Everett - Broadway (01-160) Sample I.D. RW06-20140529 Time: 1252
AEC Project #: 14-810 Field Duplicate I.D. _____ Time: _____
Date 29 May 2014 Personnel: Larry Namba

WELL INFORMATION

Monument condition: ☑ Good ☐ Needs repair _____ ☐ Water in Monument
Well cap condition: ☑ Good ☐ Replaced ☐ Needs replacement ☐ Surface Water in Well
Headspace reading: ☑ Not measured _____ ppm ☐ Odor _____
Well diameter: ☐ 2-inch ☑ 4-inch ☐ 6-inch ☐ Other _____
Comments Vaulted

PURGING INFORMATION

Total well depth 12.29 ft Bottom: ☑ Hard ☐ Soft ☐ Not measured Screen Interval(s): 8-13
Depth to product NM ft
Depth to water 9.72 ft Intake Depth (BTOC) 11 Begin Purging Well: 1232
Casing volume _____ ft (H_2O) X 0.65 gal/ft = _____ gal. X 3 = _____ gal.
Volume Conversion Factors: 3/4"=0.02 gal/ft 1"=0.04 gal/ft 2"=0.16 gal/ft 4"=0.65 gal/ft 6"= 1.47 gal/ft

PURGING/DISPOSAL METHOD

Pump type ☑ Peristaltic ☐ Centrifugal ☐ Dedicated Bladder ☐ Non-Dedicated Bladder Other _____
Bailer type: _____ Water Disposal:: ☐ Drummed ☑ Remediation System ☐ Other _____

FIELD PARAMETERS

Odor and/or Sheen: _____

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)
1234	9.70		14.04	0.626	2.30	6.92	108	1.2
1237	9.71	0.100	13.93	0.611	1.49	6.88	113	1.7
1240	9.72		13.69	0.612	1.33	6.89	114	2.4
1243	9.72		13.59	0.616	1.26	6.89	114	2.5
1246	9.72		13.50	0.618	1.27	6.88	115	2.6
1249	9.73		13.49	0.610	1.33	6.89	115	2.7

Stabilization achieved if three successive measurements for pH, Conductivity and Turbidity and/or Dissolved Oxygen are recorded within their respective stabilization criteria. A minimum of six measurements should be recorded.
Purging Comments: _____

SAMPLE INFORMATION

Container Type	Bottle Count	Preservative	Field Filtered?	Analysis
40 mL VOA	3	HCl	No 0.45 0.10	G, BTEX
			No 0.45 0.10	
			No 0.45 0.10	
			No 0.45 0.10	
			No 0.45 0.10	

Sampling Comments: _____

GROUNDWATER SAMPLE COLLECTION

Well I.D. Number: RW07

Project Name: TOC Everett-Broadway (01-169)
AEC Project #: 14-810
Date 27 May 2014

Sample I.D. RW07-20140527 Time: 1353
Field Duplicate I.D. mw99-20140527 Time: 1408
Personnel: Larry Namba

WELL INFORMATION

Monument condition: ☑ Good ☐ Needs repair _____ ☑ Water in Monument
Well cap condition: ☑ Good ☐ Replaced ☐ Needs replacement ☐ Surface Water in Well
Headspace reading: ☑ Not measured _____ ppm ☐ Odor _____
Well diameter: ☐ 2-inch ☑ 4-inch ☐ 6-inch ☐ Other _____
Comments _____

PURGING INFORMATION

Total well depth 12.97 ft Bottom: ☑ Hard ☐ Soft ☐ Not measured Screen Interval(s): 8-13
Depth to product NM ft
Depth to water 10.65 ft Intake Depth (BTOC) 12 Begin Purging Well: 13:32
Casing volume 2.32 ft (H_2O) X 0.65 gal/ft = 1.51 gal. X 3 = 4.53 gal.
Volume Conversion Factors: 3/4"=0.02 gal/ft 1"=0.04 gal/ft 2"=0.16 gal/ft 4"=0.65 gal/ft 6"= 1.47 gal/ft

PURGING/DISPOSAL METHOD

Pump type ☑ Peristaltic ☐ Centrifugal ☐ Dedicated Bladder ☐ Non-Dedicated Bladder Other _____
Bailer type: _____ Water Disposal:: ☐ Drummed ☑ Remediation System ☐ Other _____

FIELD PARAMETERS

Odor and/or Sheen: None

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)
1335	10.72		17.80	1.144	1.29	6.60	-138	1.6
1338	10.76		16.07	1.123	0.43	6.63	-144	2.4
1341	10.80	0.078	16.14	1.108	0.35	6.64	-145	3.6
1344	10.83		15.88	1.103	0.30	6.64	-145	4.5
1347	10.86		15.83	1.095	0.26	6.64	-146	5.4
1350	10.89		15.73	1.094	0.26	6.64	-145	6.3

Stabilization achieved if three successive measurements for pH, Conductivity and Turbidity and/or Dissolved Oxygen are recorded within their respective stabilization criteria. A minimum of six measurements should be recorded.

Purging Comments: Yellow/tannish

SAMPLE INFORMATION

Container Type	Bottle Count	Preservative	Field Filtered?	Analysis
40 ml VOA	3	HCl	(No) 0.45 0.10	G, BTEX
			No 0.45 0.10	
			No 0.45 0.10	
			No 0.45 0.10	
			No 0.45 0.10	

Sampling Comments: _____

GROUNDWATER SAMPLE COLLECTION

Well I.D. Number: RW08

Project Name:. TOC Everett - Broadway (01-169) Sample I.D. RW08-20140526 Time: 1625
AEC Project #: 14-810 Field Duplicate I.D. _____ Time: _____
Date 26 May 2014 Personnel: Larry Namba

WELL INFORMATION

Monument condition: ☑ Good ☐ Needs repair _____ ☐ Water in Monument
Well cap condition: ☑ Good ☐ Replaced ☐ Needs replacement ☐ Surface Water in Well
Headspace reading: ☑ Not measured _____ ppm ☐ Odor _____
Well diameter: ☐ 2-inch ☑ 4-inch ☐ 6-inch ☐ Other _____
Comments Vaulted

PURGING INFORMATION

Total well depth 29.24 ft Bottom: ☑ Hard ☐ Soft ☐ Not measured Screen Interval(s): 5-30
Depth to product NM ft
Depth to water 26.00 ft Intake Depth (BTOC) 27 Begin Purging Well: 1605
Casing volume 3.24 ft (H_2O) X 0.65 gal/ft = _____ gal. X 3 = _____ gal.
Volume Conversion Factors: 3/4"=0.02 gal/ft 1"=0.04 gal/ft 2"=0.16 gal/ft 4"=0.65 gal/ft 6"= 1.47 gal/ft

PURGING/DISPOSAL METHOD

Pump type ☑ Peristaltic ☐ Centrifugal ☐ Dedicated Bladder ☐ Non-Dedicated Bladder Other _____
Bailer type: _____ Water Disposal: ☐ Drummed ☑ Remediation System ☐ Other _____

FIELD PARAMETERS

Odor and/or Sheen: H_2S / No sheen

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)
1607	26.12		16.96	1.004	1.33	6.50	-140	11.8
1610	26.18	0.060	16.75	1.019	0.54	6.52	-155	15.3
1613	26.26		16.57	1.021	0.38	6.54	-164	15.6
1616	26.29		16.34	1.020	0.31	6.54	-168	15.8
1619	26.35		15.89	1.025	0.29	6.55	-174	15.8
1622	26.40		15.95	1.024	0.27	6.55	-176	15.5

Stabilization achieved if three successive measurements for pH, Conductivity and Turbidity and/or Dissolved Oxygen are recorded within their respective stabilization criteria. A minimum of six measurements should be recorded.
Purging Comments: Black Sediment

SAMPLE INFORMATION

Container Type	Bottle Count	Preservative	Field Filtered?	Analysis
40 mL VOA	4	HCl	(No) 0.45 0.10	G, BTEX, Naphthalene
			No 0.45 0.10	
			No 0.45 0.10	
			No 0.45 0.10	
			No 0.45 0.10	

Sampling Comments: _____

GROUNDWATER SAMPLE COLLECTION

Well I.D. Number: RW09

Project Name: TOC Everett - Broadway (01-169) Sample I.D. RW09-20140529 Time: 1121
AEC Project #: 14-810 Field Duplicate I.D. _____ Time: _____
Date 29 May 2014 Personnel: Larry Namba

WELL INFORMATION

Monument condition: ☑ Good ☐ Needs repair _____ ☐ Water in Monument
Well cap condition: ☑ Good ☐ Replaced ☐ Needs replacement ☐ Surface Water in Well
Headspace reading: ☑ Not measured _____ ppm ☐ Odor _____
Well diameter: ☐ 2-inch ☑ 4-inch ☐ 6-inch ☐ Other _____
Comments Vaulted

PURGING INFORMATION

Total well depth 23.90 ft Bottom: ☑ Hard ☐ Soft ☐ Not measured Screen Interval(s): 5-25
Depth to product NM ft
Depth to water 10.38 ft Intake Depth (BTOC) 13 Begin Purging Well: 1101
Casing volume 13.52 ft (H_2O) X 0.65 gal/ft = 8.79 gal. X 3 = 26.37 gal.
Volume Conversion Factors: 3/4"=0.02 gal/ft 1"=0.04 gal/ft 2"=0.16 gal/ft 4"=0.65 gal/ft 6"= 1.47 gal/ft

PURGING/DISPOSAL METHOD

Pump type ☑ Peristaltic ☐ Centrifugal ☐ Dedicated Bladder ☐ Non-Dedicated Bladder Other _____
Bailer type: _____ Water Disposal:: ☐ Drummed ☑ Remediation System ☐ Other _____

FIELD PARAMETERS

Odor and/or Sheen: _____

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)
1103	10.47		14.55	1.443	0.94	6.14	0	1.4
1106	10.51	0.080	14.11	1.263	0.48	6.21	-17	1.1
1109	10.55		14.01	1.276	0.40	6.20	-21	1.5
1112	10.59		14.05	1.276	0.36	6.22	-22	1.5
1115	10.63		13.85	1.276	0.34	6.21	-22	1.7
1118	10.65		13.88	1.272	0.27	6.21	-21	1.9

Stabilization achieved if three successive measurements for pH, Conductivity and Turbidity and/or Dissolved Oxygen are recorded within their respective stabilization criteria. A minimum of six measurements should be recorded.
Purging Comments: _____

SAMPLE INFORMATION

Container Type	Bottle Count	Preservative	Field Filtered?	Analysis
40 ml VOA	3	HCl	No 0.45 0.10	G, BTEX
			No 0.45 0.10	
			No 0.45 0.10	
			No 0.45 0.10	
			No 0.45 0.10	

Sampling Comments: _____

GROUNDWATER SAMPLE COLLECTION

Well I.D. Number: RW11

Project Name: TOC Everett - Broadway (01-169) | Sample I.D. RW11-20140526 | Time: 1522
AEC Project #: 14-810 | Field Duplicate I.D. _____ | Time: _____
Date 26 May 2014 | Personnel: Larry Namba

WELL INFORMATION

Monument condition: ☑ Good ☐ Needs repair _____ ☐ Water in Monument
Well cap condition: ☑ Good ☐ Replaced ☐ Needs replacement ☐ Surface Water in Well
Headspace reading: ☑ Not measured _____ ppm ☐ Odor _____
Well diameter: ☐ 2-inch ☑ 4-inch ☐ 6-inch ☐ Other _____
Comments Vaulted

PURGING INFORMATION

Total well depth 2423.90 ft Bottom: ☑ Hard ☐ Soft ☐ Not measured Screen Interval(s): 5-25
Depth to product NM ft
Depth to water 22.02 ft Intake Depth (BTOC) 23 Begin Purging Well: 1502
Casing volume 1.88 ft (H_2O) X 0.65 gal/ft = 1.22 gal. X 3 = 3.66 gal.
Volume Conversion Factors: 3/4"=0.02 gal/ft 1"=0.04 gal/ft 2"=0.16 gal/ft 4"=0.65 gal/ft 6"= 1.47 gal/ft

PURGING/DISPOSAL METHOD

Pump type ☑ Peristaltic ☐ Centrifugal ☐ Dedicated Bladder ☐ Non-Dedicated Bladder Other _____
Bailer type: _____ Water Disposal: ☐ Drummed ☑ Remediation System ☐ Other _____

FIELD PARAMETERS

Odor and/or Sheen: _____

Time	Water Level (BTOC)	Purge Rate (L/min)	Temp. (°C)	Sp. Cond. (mS/cm) (±3%)	Dissolved Oxygen (±10% or ≤1.00 ±0.2)	pH (SU) (±0.1)	ORP (mV)	Turbidity (NTU) (± 10% or ≤10)
1504	22.10		16.85	0.578	3.29	6.48	-21	49.4
1507	22.14	0.076	15.94	0.585	2.23	6.50	-25	31.4
1510	22.17		15.81	0.578	2.58	6.48	-16	26.3
1513	22.22		15.60	0.571	2.79	6.45	-5	25.0
1516	22.25		15.23	0.568	3.07	6.43	5	25.0
1519	22.28		15.34	0.557	3.24	6.43	10	22.6

Stabilization achieved if three successive measurements for pH, Conductivity and Turbidity and/or Dissolved Oxygen are recorded within their respective stabilization criteria. A minimum of six measurements should be recorded.
Purging Comments: Black sediment

SAMPLE INFORMATION

Container Type	Bottle Count	Preservative	Field Filtered?	Analysis
40 ml VOA	4	HCl	No 0.45 0.10	G, BTEX, Naphthalene
			No 0.45 0.10	
			No 0.45 0.10	
			No 0.45 0.10	
			No 0.45 0.10	

Sampling Comments: _____

ATTACHMENT B

LAB REPORTS AND CHAIN-OF-CUSTODY DOCUMENTATION

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Kurt Johnson, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

June 10, 2014

Craig Hultgren, Project Manager
Anderson Environmental
705 Colorado Street
Kelso, WA 98626

Dear Mr. Hultgren:

Included are the results from the testing of material submitted on May 30, 2014 from the TOC_14-810, WORFDB8 F&BI 405600 project. There are 9 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
c: Allison Greiner, Rob Honsberger
AEN0610R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on May 30, 2014 by Friedman & Bruya, Inc. from the Anderson Environmental TOC_14-810, WORFDB8 F&BI 405600 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Anderson Environmental
405600 -01	MW01-20140526
405600 -02	MW09-20140530
405600 -03	MW12-20140529
405600 -04	MW13-20140527
405600 -05	RW01-20140526
405600 -06	RW06-20140529
405600 -07	RW07-20140527
405600 -08	RW08-20140526
405600 -09	RW09-20140529
405600 -10	RW11-20140526
405600 -11	MW99-20140527

All quality control requirements were acceptable.

Date of Report: 06/10/14
Date Received: 05/30/14
Project: TOC_14-810, WORFDB8 F&BI 405600
Date Extracted: 06/02/14
Date Analyzed: 06/02/14 and 06/03/14

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING METHODS 8021B AND NWTPH-Gx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 52-124)
MW01-20140526 405600-01	<1	<1	<1	<3	<100	92
MW09-20140530 405600-02	<1	<1	<1	<3	<100	94
MW12-20140529 405600-03	<1	<1	<1	<3	<100	92
MW13-20140527 405600-04	<1	<1	<1	<3	<100	92
RW01-20140526 405600-05	<1	<1	<1	<3	<100	92
RW06-20140529 405600-06	<1	<1	<1	<3	<100	92
RW07-20140527 405600-07	<1	<1	<1	<3	<100	91
RW08-20140526 405600-08 1/20	34	94	120	1,300	5,400	88
RW09-20140529 405600-09	<1	<1	<1	<3	<100	89
RW11-20140526 405600-10	<1	<1	<1	14	110	87

Date of Report: 06/10/14
Date Received: 05/30/14
Project: TOC_14-810, WORFDB8 F&BI 405600
Date Extracted: 06/02/14
Date Analyzed: 06/02/14 and 06/03/14

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING METHODS 8021B AND NWTPH-Gx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 52-124)
MW99-20140527 405600-11	<1	<1	<1	<3	<100	90
Method Blank 04-1114 MB	<1	<1	<1	<3	<100	115

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	RW08-20140526	Client:	Anderson Environmental
Date Received:	05/30/14	Project:	TOC_14-810, WORFDB8 F&BI 405600
Date Extracted:	06/02/14	Lab ID:	405600-08
Date Analyzed:	06/02/14	Data File:	060223.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	85	117
Toluene-d8	100	93	107
4-Bromofluorobenzene	102	76	126

Compounds:	Concentration ug/L (ppb)
Naphthalene	38

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	RW11-20140526	Client:	Anderson Environmental
Date Received:	05/30/14	Project:	TOC_14-810, WORFDB8 F&BI 405600
Date Extracted:	06/02/14	Lab ID:	405600-10
Date Analyzed:	06/02/14	Data File:	060224.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	85	117
Toluene-d8	98	93	107
4-Bromofluorobenzene	102	76	126

Compounds:	Concentration ug/L (ppb)
Naphthalene	<1

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	Anderson Environmental
Date Received:	Not Applicable	Project:	TOC_14-810, WORFDB8 F&BI 405600
Date Extracted:	06/02/14	Lab ID:	04-1103 mb
Date Analyzed:	06/02/14	Data File:	060222.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	85	117
Toluene-d8	97	93	107
4-Bromofluorobenzene	101	76	126

Compounds:	Concentration ug/L (ppb)
Naphthalene	<1

Date of Report: 06/10/14
Date Received: 05/30/14
Project: TOC_14-810, WORFDB8 F&BI 405600

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING METHOD 8021B AND NWTPH-Gx

Laboratory Code: 405594-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	RPD (Limit 20)
Benzene	ug/L (ppb)	<1	<1	nm
Toluene	ug/L (ppb)	<1	<1	nm
Ethylbenzene	ug/L (ppb)	<1	<1	nm
Xylenes	ug/L (ppb)	<3	<3	nm
Gasoline	ug/L (ppb)	<100	<100	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	ug/L (ppb)	50	93	65-118
Toluene	ug/L (ppb)	50	92	72-122
Ethylbenzene	ug/L (ppb)	50	88	73-126
Xylenes	ug/L (ppb)	150	92	74-118
Gasoline	ug/L (ppb)	1,000	92	69-134

Date of Report: 06/10/14
Date Received: 05/30/14
Project: TOC_14-810, WORFDB8 F&BI 405600

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 405600-08 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Naphthalene	ug/L (ppb)	50	38	94 b	63-136

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Naphthalene	ug/L (ppb)	50	97	100	75-131	3

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

405600

SAMPLE CHAIN OF CUSTODY ME 05/30/14

VS

Page # 1 of 2

Send Report To Craig Hultgren/Allison Griener/Rob Honsberger

Company Anderson Environmental

Address 705 Colorado Street

City, State, ZIP Kelso, WA 98626

Phone # 360.577.9194 Fax # 360.577.9198

SAMPLERS (signature) L. Namba

PROJECT NAME/NO. TOC Holdings - Everett-Broadway (01-169) 14-810

PO#

REMARKS

TURNAROUND TIME
- ☑ Standard (2 Weeks)
- ☐ RUSH
- Rush charges authorized by

SAMPLE DISPOSAL
- ☑ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	ANALYSES REQUESTED: TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS	Naphthalene 8260B						Notes
mw01-20140526	01 A-C	05/26/14	1418	Water	3		✓	✓										
mw09-20140530	02	05/30/14	1229	Water	3		✓	✓										
mw12-20140529	03	05/29/14	1204	Water	3		✓	✓										
mw13-20140527	04	05/27/14	1433	Water	3		✓	✓										
RW01-20140526	05	05/26/14	1342	Water	3		✓	✓										
RW06-20140529	06	05/29/14	1252	Water	3		✓	✓										
RW07-20140527	07	05/27/14	1353	Water	3		✓	✓										
RW08-20140526	08 A-D	05/26/14	1625	Water	4		✓	✓				✓						
RW09-20140529	09 A-C	05/29/14	1121	Water	3		✓	✓										
RW11-20140526	10 A-D	05/26/14	1522	Water	4		✓	✓				✓						

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

FORMS\COC\COC.DOC

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	L. Namba	Larry Namba	AEC	05/30/14	
Received by:		DO VO	F&BI	4	1450
Relinquished by:					
Received by:			Samples received at 3 °C		

405602

SAMPLE CHAIN OF CUSTODY ME 05/30/14

VS

Send Report To Craig Hultgren / Rob Honsberger / Allison Forreiner
Company Anderson Environmental
Address 705 Colorado Street
City, State, ZIP Kelso, WA 98626
Phone # 360.577.9194 Fax # 360.577.9198

SAMPLERS (signature) L. Namba
PROJECT NAME/NO. TOC Holdings - Everett - Broadway (01-169) 14-810
PO#
REMARKS

Page # 1 of 2

TURNAROUND TIME
☑ Standard (2 Weeks)
☐ RUSH
Rush charges authorized by

SAMPLE DISPOSAL
☑ Dispose after 30 days
☐ Return samples
☐ Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	ANALYSES REQUESTED: TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS							Notes
mw99-20140527	VA-C	05/27/14	1408	Water	3		✓	✓										

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Larry Namba	AEC	05/30/14	
Received by:	DD VO	F+BI	4	1450
Relinquished by:				
Received by:		Samples received at 8 °C		

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

FORMS\COC\COC.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Kurt Johnson, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

July 1, 2014

Craig Hultgren, Project Manager
Anderson Environmental
705 Colorado Street
Kelso, WA 98626

Dear Mr. Hultgren:

Included are the results from the testing of material submitted on June 23, 2014 from the TOC_01-169, WORFDB8 F&BI 406401 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
c: Allison Greiner, Rob Honsberger
AEN0701R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on June 23, 2014 by Friedman & Bruya, Inc. from the Anderson Environmental TOC_01-169, WORFDB8 F&BI 406401 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Anderson Environmental
406401 -01	01-169-EFF-20140623

All quality control requirements were acceptable.

Date of Report: 07/01/14
Date Received: 06/23/14
Project: TOC_01-169, WORFDB8 F&BI 406401
Date Extracted: 06/26/14
Date Analyzed: 06/26/14

RESULTS FROM THE ANALYSIS OF VAPOR SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING MODIFIED METHODS 8021B AND NWTPH-Gx

Results Reported as mg/m^3

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
01-169-EFF-20140623 406401-01	<0.1	<0.1	<0.1	0.30	<10	91
Method Blank 04-1286 MB	<0.1	<0.1	<0.1	<0.3	<10	91

Date of Report: 07/01/14
Date Received: 06/23/14
Project: TOC_01-169, WORFDB8 F&BI 406401

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF VAPOR SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING MODIFIED EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 406401-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	RPD (Limit 20)
Benzene	mg/m^3	<0.1	<0.1	nm
Toluene	mg/m^3	<0.1	<0.1	nm
Ethylbenzene	mg/m^3	<0.1	<0.1	nm
Xylenes	mg/m^3	0.30	<0.3	nm
Gasoline	mg/m^3	<10	<10	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/m^3	5.0	85	70-130
Toluene	mg/m^3	5.0	87	70-130
Ethylbenzene	mg/m^3	5.0	88	70-130
Xylenes	mg/m^3	15	89	70-130
Gasoline	mg/m^3	100	109	70-130

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

406401

SAMPLE CHAIN OF CUSTODY ME 6/23/14

NA

Page # 1 of 1

Send Report To Craig Haltgren

Company AEC

Address 705 Colorado St

City, State, ZIP Kelso WA 98626

Phone # 360 577-9194 Fax # 360 577-9198

SAMPLERS (signature)

PROJECT NAME/NO. TOC 01-169

PO#

REMARKS

TURNAROUND TIME
☑ Standard (2 Weeks)
☐ RUSH
Rush charges authorized by

SAMPLE DISPOSAL
☐ Dispose after 30 days
☐ Return samples
☐ Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	ANALYSES REQUESTED: TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS							Notes
01-169_EFF_20140623	01A,B	6-23-14	1130	Air	2		X	X										
																	Samples received at 3°C	

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Robert A. Husberg	AEC	6-23-14	1416
Received by:	HONG NGUYEN	FBI	"	"
Relinquished by:				
Received by:				

Friedman & Bruya, Inc.
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Seattle, WA 98119-2029
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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June 27, 2014

Craig Hultgren, Project Manager
Anderson Environmental
705 Colorado Street
Kelso, WA 98626

Dear Mr. Hultgren:

Included are the results from the testing of material submitted on June 23, 2014 from the TOC_01-169, WORFDB8 F&BI 406402 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
c: Allison Greiner, Rob Honsberger
AEN0627R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on June 23, 2014 by Friedman & Bruya, Inc. from the Anderson Environmental TOC_01-169, WORFDB8 F&BI 406402 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Anderson Environmental
406402 -01	01-169-INF-20140623

All quality control requirements were acceptable.

Date of Report: 06/27/14
Date Received: 06/23/14
Project: TOC_01-169, WORFDB8 F&BI 406402
Date Extracted: 06/24/14
Date Analyzed: 06/24/14

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND TPH AS GASOLINE USING METHODS 8021B AND NWTPH-Gx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 52-124)
01-169-INF-20140623 406402-01	<1	<1	<1	<3	<100	91
Method Blank 04-1281 MB	<1	<1	<1	<3	<100	91

Date of Report: 06/27/14
Date Received: 06/23/14
Project: TOC_01-169, WORFDB8 F&BI 406402

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 406406-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	RPD (Limit 20)
Benzene	ug/L (ppb)	<1	<1	nm
Toluene	ug/L (ppb)	<1	<1	nm
Ethylbenzene	ug/L (ppb)	<1	<1	nm
Xylenes	ug/L (ppb)	<3	<3	nm
Gasoline	ug/L (ppb)	<100	<100	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	ug/L (ppb)	50	89	65-118
Toluene	ug/L (ppb)	50	91	72-122
Ethylbenzene	ug/L (ppb)	50	90	73-126
Xylenes	ug/L (ppb)	150	91	74-118
Gasoline	ug/L (ppb)	1,000	99	69-134

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

406402

SAMPLE CHAIN OF CUSTODY

ME 6/23/14 V1

Page # 1 of 1

Send Report To Craig Hultgren

Company AEC

Address 705 Colorado ct.

City, State, ZIP Kelso WA 98626

Phone # 360 577-4194 Fax # 360-577-9198

SAMPLERS (signature)

PROJECT NAME/NO. TOC 01-169

PO#

REMARKS

TURNAROUND TIME
- ☑ Standard (2 Weeks)
- ☐ RUSH
- Rush charges authorized by

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	ANALYSES REQUESTED: TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS							Notes
01-169-INF-20140623	014C	6-23-14	1150	water	3		X	X										
														Samples received at 3 °C				

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Robert A. Hultgren	AEC	6-23-14	1415
Received by:	HONG NGUYEN	FBI	V	V
Relinquished by:				
Received by:				

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