CONESTOGA-ROVERS & ASSOCIATES

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TRANSMITTAL

DATE: March 13, 2014 **REFERENCE NO.:** 060493

PROJECT NAME: 210 Northeast 45th Street, Seattle

TO: Washington Department of Ecology
Attn: Sonia Fernandez
3190 160th Ave. SE
Bellevue, WA 98008

Please find enclosed:
- ☐ Draft
- ☐ Originals
- ☐ Prints
- ☒ Final
- ☐ Other

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QUANTITY	DESCRIPTION
1	Subsurface Investigation Report

- ☐ As Requested
- ☒ For Your Use
- ☐ For Review and Comment
- ☐
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COMMENTS:

Copy to: Perry Pineda, SOPUS

Completed by: Michael Lam [Please Print] Signed:

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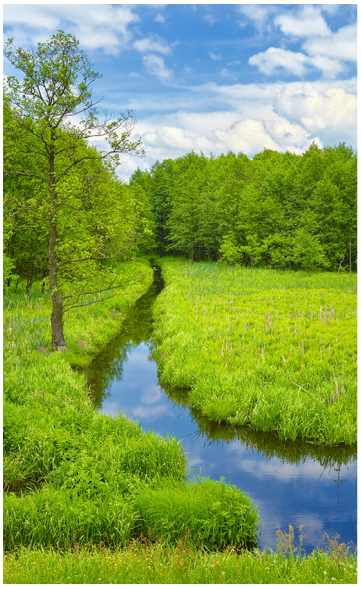

Subsurface Investigation Report

Shell Branded Wholesale Facility
210 Northeast 45th Street
Seattle, Washington

Prepared for: Shell Oil products US

Conestoga-Rovers & Associates
20818 44th Ave. West, Suite 190
Lynnwood, Washington 98036

March 2014 • 060493 • Report No. 7

Partners in Sustainability

Subsurface Investigation Report

Shell-Branded Wholesale Facility
210 Northeast 45th Street
Seattle, Washington

SAP Code	**120877**
Incident No.	**91880622**
Agency No.	**14577491**
VCP No.	**NW2033**

Michael Lam

Brian Peters, LG

MARCH 2014
REF. NO. 060493 (7)

Prepared by:
Conestoga-Rovers & Associates

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Section 1.0 Introduction

1.1 General

Conestoga-Rovers and Associates (CRA) prepared this Subsurface Investigation Report on behalf of Equilon Enterprises LLC dba Shell Oil Products US (SOPUS) for the purpose of documenting the site investigation conducted at 210 Northeast 45th Street, Seattle, King County, Washington (Property; Figure 1).

The objective of this investigation was to evaluate current soil conditions and the presence of any remaining impacted soil that may contribute to the current groundwater impact. Although down-gradient groundwater delineation is warranted, additional monitoring wells were not proposed due to access agreement issues with an off-Property owner.

1.2 Site Description and Background

The Property is a Shell-branded wholesale facility located at the northeast corner of Northeast 45th Street and 2nd Avenue Northeast in Seattle, King County, Washington.

Current facilities on Property consists of a single building located on the northern portion of the Property, four centrally-located dispenser islands, three 10,000-gallon gasoline underground storage tanks (USTs) and one 10,000-gallon diesel UST; all located within a common excavation on the western portion of the Property. One 1,000-gallon heating oil UST and one 500-gallon waste oil UST were removed from the Property in January 1991. The current and former facilities are presented in Figure 2.

A total of nine vapor extraction wells and eleven groundwater monitoring wells are present on- and off-Property. Vapor extraction wells VP-1 through VP-9 were installed in February 1991 following heating oil UST and waste oil UST removal. Monitoring well MW-1 was installed in February 1991 within the former waste oil UST excavation prior to backfilling. Monitoring wells MW-2 through MW-6 were installed in October 1991 on the southern portion of the Property, east of the southern dispenser islands, and off-Property to the south. Monitoring wells MW-7 and MW-8 were installed sometime prior to 1995 southeast of the southern dispenser island, and immediately west of the southwestern Property boundary. Monitoring wells MW-24, MW-25, and MW-29, located to the southwest and west of the Property, were installed to monitor a former Shell service station 14310 located west of the Property across 2nd Avenue Northeast; however, these wells have also been included in the groundwater monitoring program.

Interim remedial actions included soil excavations in January 1991 during UST removal and in October 2006 during fueling dispenser and sump upgrades, a soil vapor extraction (SVE) system operated between 1991 and 1995, a groundwater extraction and treatment system operated between

1995 and 2006, oxygen releasing compounds (ORC) injections in 1996, and enhanced bioremediation injections in 2003.

A summary of previous environmental investigations is included as Appendix A, and available soil boring logs and monitoring well construction details are included as Appendix B. Historical soil and groundwater analytical results are presented in Table 1 and Table 2, respectively. Historical soil boring locations along with sample results exceeding Washington State Department of Ecology (Ecology) MTCA Method A cleanup levels are presented in Figure 3. The most recent groundwater analytical results and flow direction are presented on Figure 4.

Section 2.0 Site Investigation Activities

Between October 7 and 8, 2013, Cascade Drilling, L.P. (CDLP), under the direction of CRA, advanced five soil borings, SB-3 through SB-7 using vacuum assisted air knife and hand auger to depths between 2.5 and 12.5 feet below ground surface (bgs). Boring SB-3 was terminated at 2.5 feet bgs after encountering an unknown pipe. Boring SB-7 was advanced as a replacement for SB-3. Refusal was encountered at borings SB-5 and SB-6 due to cobbles. Boring SB-6 was relocated approximately 7 feet west from the originally proposed location due to the presence of underground utilities identified by the onsite locate. Similarly, boring SB-5 was relocated further southeast from the original proposed location, which was closer to VP-1, due to presence of underground utilities in the area. The final boring locations are shown on Figure 3. The boring logs are presented in Appendix B.

Soil samples were collected from each boring at various depths between approximately 2 and 12 feet bgs via hand-auger for the purpose of field screening and soil classification. Based on field screening results, select soil samples were submitted for laboratory analyses. Soil analytical data are presented in Table 1. Laboratory reports are included in Appendix C.

Investigation derived waste (IDW) generated during the investigation included soil cuttings and decontamination water. All IDW was stored on the Property in United States Department of Transportation compliant 55-gallon drums. IDW was transported and disposed of in accordance with applicable regulations on November 21, 2013. IDW disposal documentation is included in Appendix D.

Section 3.0 Investigation Results

3.1 Site Geology and Hydrogeology

Soils encountered during drilling consisted of silty sand with gravel to the explored depth of approximately 12.5 feet bgs. Cobbles were encountered toward the bottom of several of the boreholes. Boring logs are included as Appendix B.

Groundwater was encountered during drilling at approximately 11.5 to 12 feet bgs. Groundwater is likely perched above dense glacial till. Static groundwater in monitoring wells has been gauged at depths ranging from approximately 3 to 12 feet bgs with flow direction toward the south.

3.2 Analytical Results - Soil

A total of 13 soil samples collected from the advanced soil borings were submitted to TestAmerica for laboratory chemical analyses. The soil samples were analyzed for the following:

- TPHg by Method NWTPH-Gx
- TPHd and TPH in the oil range (TPHo) by Method NWTPH-Dx
- Benzene, toluene, ethylbenzene and xylenes (BTEX) by EPA Method 8260B

Select soil samples were also analyzed for one or more of the following:

- Methyl tertiary-butyl ether (MTBE), Ethylene dibromide (EDB), 1,2-Dichloroethane (EDC), Volatile Organic Compounds (VOCs), n-Hexane, and Naphthalene by EPA Method 8260B
- Total Lead by EPA Method 6020
- Polychlorinated Biphenyls (PCBs) by EPA Method 8082
- Carcinogenic Poly-Aromatic Hydrocarbons (cPAHs) by EPA Method 8270C
- Extractable Petroleum Hydrocarbons (EPH) by Method NWTPH-EPH
- Volatile Petroleum Hydrocarbons (VPH) by Method NWTPH-VPH

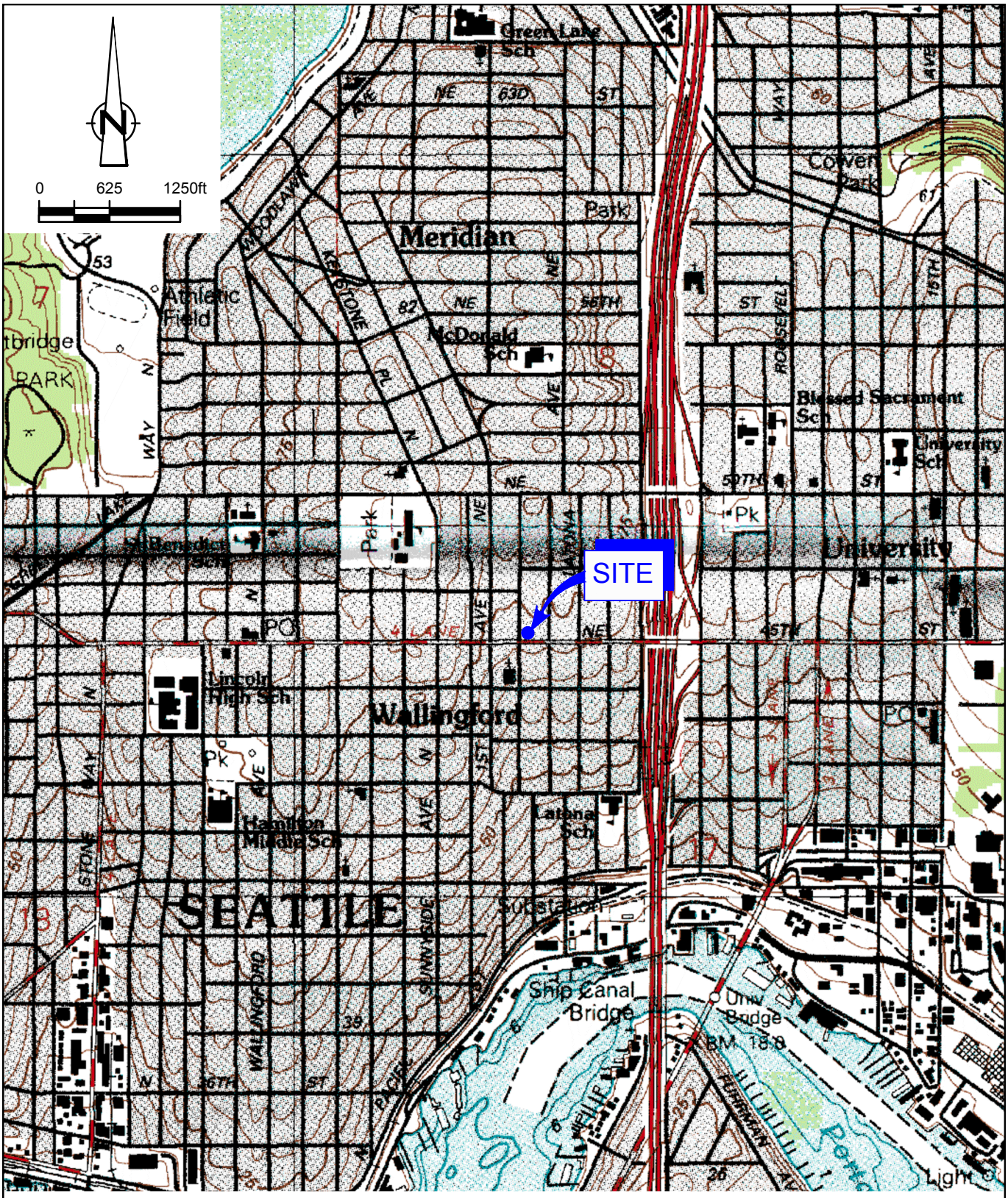
All soil sample concentrations were below MTCA Method A cleanup levels with exception of those from samples SB-4-10, SB-4-11, SB-6-4, SB-7-8, and SB7-11.5. These five soil samples contained concentrations of TPHg exceeding the MTCA Method A cleanup level. Additional constituents exceeding MTCA Method A cleanup levels were cPAHs in sample SB-6-4, BTEX in samples SB-7-8 and SB-7-11.5, and naphthalene in sample SB-7-11.5. Soil sample analytical results for the current investigation as well as historical soil analytical data are presented in Table 1. A soil investigation data map is included as Figure 3. Laboratory analytical reports for the current investigation are included in Appendix C.

Section 4.0 Conclusions

Soil borings SB-3 through SB-7 were advanced to evaluate current soil conditions and the presence of any remaining impacted soil that may contribute to the current groundwater impact subsequent to remedial activities between 1991 and 2006. Petroleum hydrocarbon impacted soils exceeding MTCA Method A cleanup levels were confirmed at several locations on the Property including the areas between the current USTs and the southern fuel dispensers, east of the southern fuel dispensers, and at

the eastern portion of the former waste oil UST excavation (immediately south of the station building). Current soil concentrations indicate significant reduction of petroleum hydrocarbon impact relative to historical levels, except for the vicinity between the current UST and the southern dispensers (at boring SB-7). At this location, the presence of elevated BTEX concentrations along with TPHg suggests petroleum impact is likely from a release separate from the historically identified. Additional site evaluation is recommended along with the off-Property plume delineation, which is currently awaiting access approval.

Figures

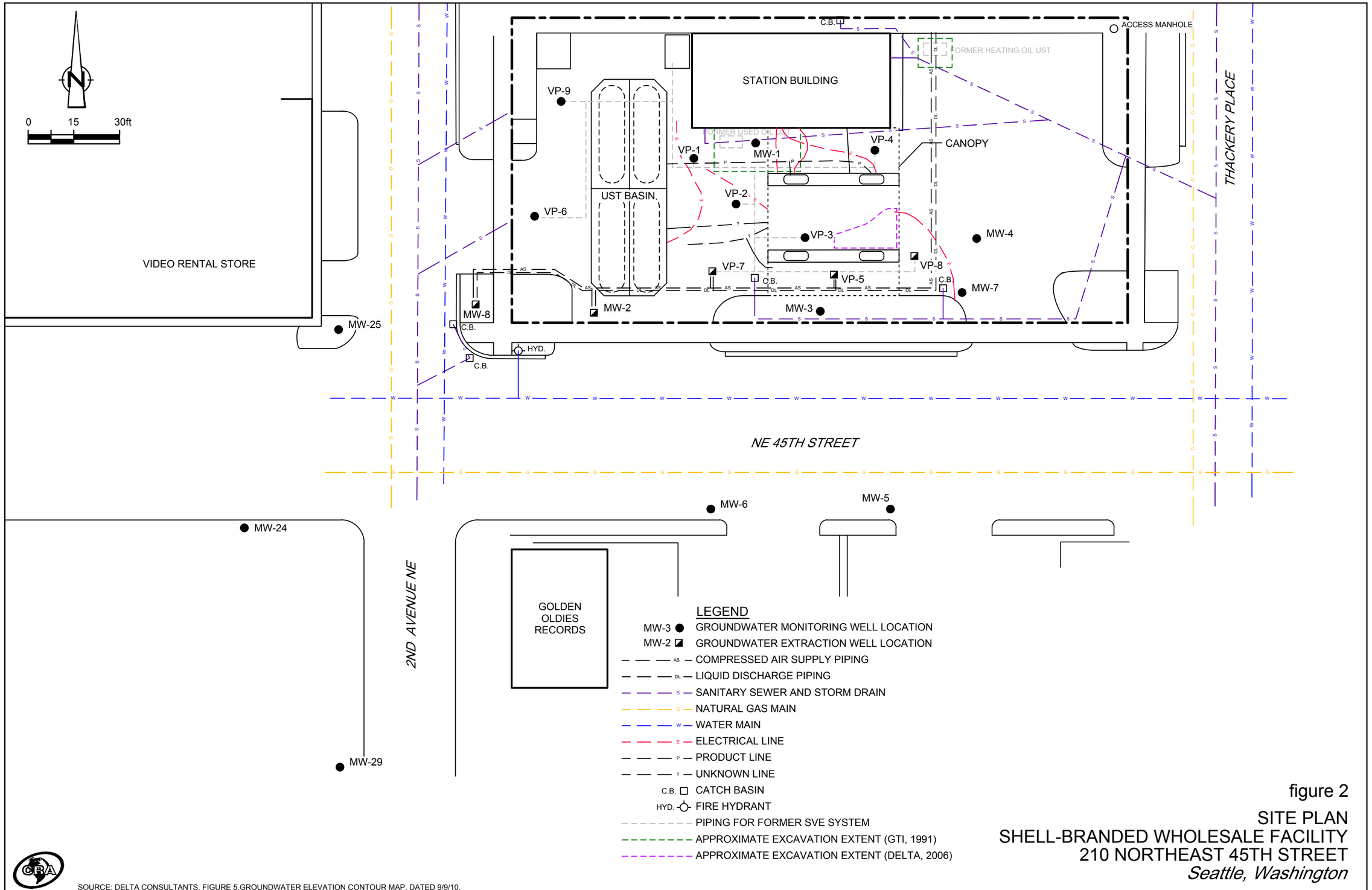


SOURCE: USGS QUADRANGLE MAP: SEATTLE NORTH, WA.

figure 1

VICINITY MAP
SHELL-BRANDED WHOLESALE FACILITY
210 NORTHEAST 45TH STREET
Seattle, Washington

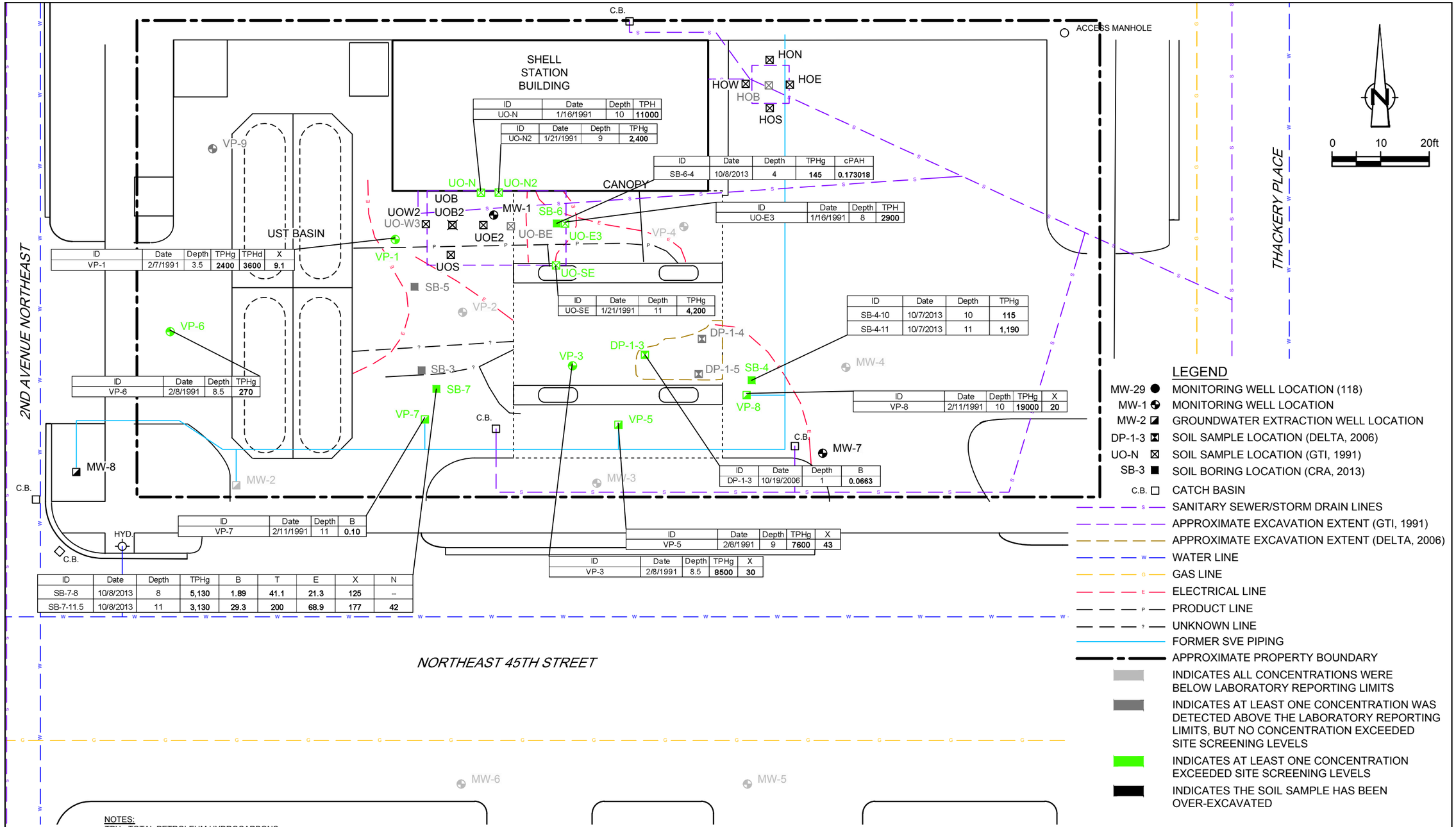
60493-2013(007)GN-WA001 JAN 9/2014



SOURCE: DELTA CONSULTANTS, FIGURE 5,GROUNDWATER ELEVATION CONTOUR MAP, DATED 9/9/10.

figure 2

SITE PLAN
SHELL-BRANDED WHOLESALE FACILITY
210 NORTHEAST 45TH STREET
Seattle, Washington



ID	Date	Depth	TPH
UO-N	1/16/1991	10	**11000**

ID	Date	Depth	TPHg
UO-N2	1/21/1991	9	**2,400**

ID	Date	Depth	TPHg	cPAH
SB-6-4	10/8/2013	4	**145**	**0.173018**

ID	Date	Depth	TPH
UO-E3	1/16/1991	8	**2900**

ID	Date	Depth	TPHg
UO-SE	1/21/1991	11	**4,200**

ID	Date	Depth	TPHg
SB-4-10	10/7/2013	10	**115**
SB-4-11	10/7/2013	11	**1,190**

ID	Date	Depth	TPHg	X
VP-8	2/11/1991	10	**19000**	**20**

ID	Date	Depth	TPHg	TPHd	X
VP-1	2/7/1991	3.5	**2400**	**3600**	**9.1**

ID	Date	Depth	TPHg
VP-6	2/8/1991	8.5	**270**

ID	Date	Depth	B
DP-1-3	10/19/2006	1	**0.0663**

ID	Date	Depth	B
VP-7	2/11/1991	11	**0.10**

ID	Date	Depth	TPHg	X
VP-5	2/8/1991	9	**7600**	**43**

ID	Date	Depth	TPHg	X
VP-3	2/8/1991	8.5	**8500**	**30**

ID	Date	Depth	TPHg	B	T	E	X	N
SB-7-8	10/8/2013	8	**5,130**	**1.89**	**41.1**	**21.3**	**125**	--
SB-7-11.5	10/8/2013	11	**3,130**	**29.3**	**200**	**68.9**	**177**	**42**

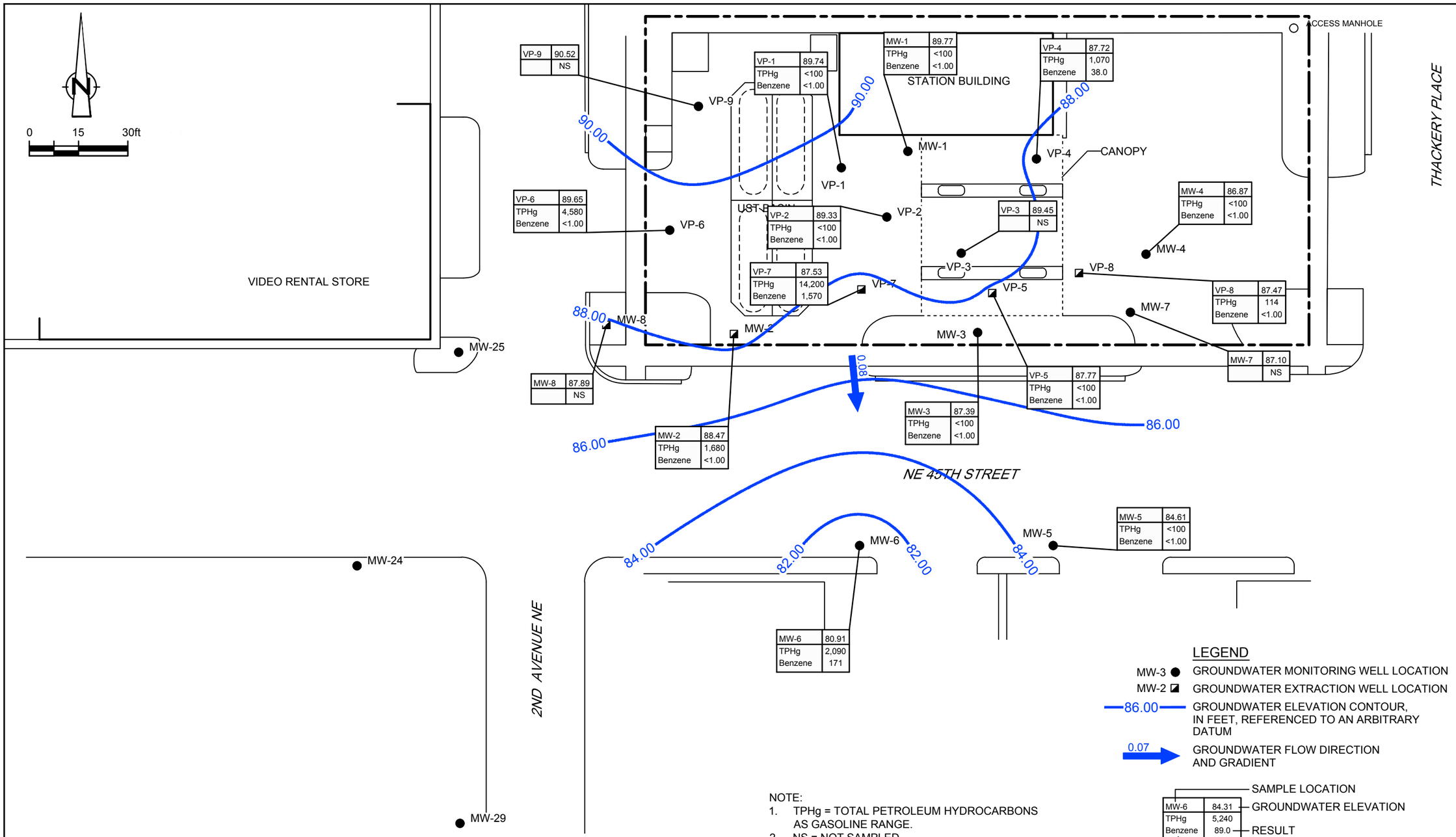
LEGEND

- MW-29 ● MONITORING WELL LOCATION (118)
- MW-1 ⊕ MONITORING WELL LOCATION
- MW-2 ◪ GROUNDWATER EXTRACTION WELL LOCATION
- DP-1-3 ⊠ SOIL SAMPLE LOCATION (DELTA, 2006)
- UO-N ⊠ SOIL SAMPLE LOCATION (GTI, 1991)
- SB-3 ■ SOIL BORING LOCATION (CRA, 2013)
- C.B. □ CATCH BASIN
- SANITARY SEWER/STORM DRAIN LINES
- APPROXIMATE EXCAVATION EXTENT (GTI, 1991)
- APPROXIMATE EXCAVATION EXTENT (DELTA, 2006)
- WATER LINE
- GAS LINE
- ELECTRICAL LINE
- PRODUCT LINE
- UNKNOWN LINE
- FORMER SVE PIPING
- APPROXIMATE PROPERTY BOUNDARY
- INDICATES ALL CONCENTRATIONS WERE BELOW LABORATORY REPORTING LIMITS
- INDICATES AT LEAST ONE CONCENTRATION WAS DETECTED ABOVE THE LABORATORY REPORTING LIMITS, BUT NO CONCENTRATION EXCEEDED SITE SCREENING LEVELS
- INDICATES AT LEAST ONE CONCENTRATION EXCEEDED SITE SCREENING LEVELS
- INDICATES THE SOIL SAMPLE HAS BEEN OVER-EXCAVATED

NOTES:
TPH - TOTAL PETROLEUM HYDROCARBONS
TPHg - TOTAL PETROLEUM HYDROCARBONS AS GASOLINE.
TPHd - TOTAL PETROLEUM HYDROCARBONS AS DIESEL.
B - BENZENE
T - TOLUENE
E - ETHYLBENZENE
X - TOTAL XYLENES
N - NAPHTHALENE
cPAH - CARCINOGENIC POLYAROMATIC HYDROCARBONS
RESULTS ARE REPORTED IN MILLIGRAMS PER KILOGRAM (mg/kg)

figure 3

SOIL INVESTIGATION DATA MAP
SHELL-BRANDED WHOLESALE FACILITY
210 NORTHEAST 45TH STREET
Seattle, Washington



NOTE:
1. TPHg = TOTAL PETROLEUM HYDROCARBONS AS GASOLINE RANGE.
2. NS = NOT SAMPLED.

figure 4

GROUNDWATER CONTOUR AND CHEMICAL CONCENTRATION MAP - AUGUST 7, 2013
SHELL-BRANDED WHOLESALE FACILITY
210 NORTHEAST 45TH STREET
Seattle, Washington

SOURCE: DELTA CONSULTANTS, FIGURE 5,GROUNDWATER ELEVATION CONTOUR MAP, DATED 9/9/10.

Tables

TABLE 1

SUMMARY OF SOIL ANALYTICAL RESULTS
SHELL-BRANDED WHOLESALE FACILITY
210 NORTHEAST 45TH STREET
SEATTLE, WASHINGTON

				HYDROCARBONS				*PRIMARY VOCS*					*LEAD*
Sample ID	***Consultant***	***Sample Date***	***Sample Depth***	***TPH 418.1***	***TPHg***	***TPHd***	***TPHo***	***B***	***T***	***E***	***X***	***MTBE***	***Total***
		MTCA Method A Cleanup Level		***NE***	***30/100***	***2000***	***2000***	***0.03***	***7***	***6***	***9***	***0.1***	***250***
			ft	***(mg/kg)***	***(mg/kg)***	***(mg/kg)***	***(mg/kg)***	***(mg/kg)***	***(mg/kg)***	***(mg/kg)***	***(mg/kg)***	***(mg/kg)***	***(mg/kg)***
COMP1-4	GTI 1991	1/9/1991	5	24	--	--	--	--	--	--	--	--	--
HOB	GTI 1991	1/9/1991	7	26	--	--	--	--	--	--	--	--	--
UOS	GTI 1991	1/9/1991	5	27	--	--	--	--	--	--	--	--	--
COMP, UOE2 & UOW2	GTI 1991	1/9/1991	5	2,200	--	--	--	--	--	--	--	--	--
UOB [1]	GTI 1991	1/9/1991	7	330	--	--	--	--	--	--	--	--	--
UOB2 [2]	GTI 1991	1/9/1991	10	6,300	--	--	--	**0.063**	0.091	<0.050	8.1	--	--
UO-BE	GTI 1991	1/15/1991	15	8	--	--	--	--	--	--	--	--	--
UO-E3	GTI 1991	1/16/1991	8	2,900	--	--	--	--	--	--	--	--	--
UO-W3	GTI 1991	1/16/1991	8	8	--	--	--	--	--	--	--	--	--
UO-N	GTI 1991	1/16/1991	10	11,000	--	--	--	--	--	--	--	--	--
UO-N2	GTI 1991	1/21/1991	9	--	**2,400 a**	160 a	--	--	--	--	--	--	--
UO-SE [3]	GTI 1991	1/21/1991	11	--	**4,200**	<250	--	--	--	--	--	--	--
VP-1A	GTI 1991	2/7/1991	3.5-4.0	--	**2,400**	**3,600**	--	<0.025	0.17	2.3	9.1	--	--
VP-1E	GTI 1991	2/7/1991	13.5-14.0	--	<5	<5	--	<0.025	<0.025	<0.025	<0.025	--	<10 d
VP-2B	GTI 1991	2/7/1991	8.5-9.0	--	<5	<5	--	<0.025	<0.025	<0.025	<0.025	--	<10 d
VP-2D	GTI 1991	2/7/1991	16.0-16.5	--	<5	<5	--	<0.025	<0.025	<0.025	<0.025	--	--
VP-3B	GTI 1991	2/8/1991	8.5-9.0	--	**8,500**	<500	--	<0.25 b	<0.25	3.4	30	--	<10 d
VP-3D	GTI 1991	2/8/1991	17.5-18.0	--	<5	<5	--	<0.025	<0.025	<0.025	<0.025	--	--
VP-4B	GTI 1991	2/8/1991	8.5-9.0	--	<5	<5	--	<0.025	<0.025	<0.025	<0.025	--	<10 d
VP-4C	GTI 1991	2/8/1991	12.5-13.0	--	<5	<5	--	<0.025	<0.025	<0.025	<0.025	--	--
VP-5B	GTI 1991	2/8/1991	8.5-9.0	--	**7,600**	<500	--	<0.13 b	0.37	5.0	43	--	<10 d
VP-6B	GTI 1991	2/8/1991	8.5-9.0	--	**270**	140	--	<0.13 b	<0.13	<0.13	1.0	--	<10 d
VP-6C	GTI 1991	2/8/1991	13.5-14.0	--	<5	<5	--	<0.025	<0.025	<0.025	<0.025	--	--
VP-7B	GTI 1991	2/11/1991	11.0-11.5	--	<5	<5	--	**0.10**	0.068	<0.025	0.045	--	<10 d
VP-8B	GTI 1991	2/11/1991	10.0-10.5	--	**19,000**	<500	--	<0.025	0.17	1.5	20	--	<10 d
VP-9B	GTI 1991	2/11/1991	11.0-11.5	--	<5	<5	--	<0.025	<0.025	<0.025	0.48	--	<10 d
SB-1	SEACOR 1992	10/21/1991	6	--	<1	--	54 c	<0.05 b	<0.1	<0.1	<0.1	--	--
SB-2	SEACOR 1992	10/21/1991	5.5	--	<1	--	76 c	<0.05 b	<0.1	<0.1	<0.1	--	--
MW-2	SEACOR 1992	10/21/1991	5.5	--	<1	--	--	<0.05 b	<0.1	<0.1	<0.1	--	--
MW-3	SEACOR 1992	10/22/1991	6	--	<1	--	--	<0.05 b	<0.1	<0.1	<0.1	--	--
MW-4	SEACOR 1992	10/22/1991	6	--	<1	--	--	<0.05 b	<0.1	<0.1	<0.1	--	--
MW-5	SEACOR 1992	10/23/1991	15	--	<1	--	--	<0.05 b	<0.1	<0.1	<0.1	--	--
MW-6	SEACOR 1992	10/23/1991	4.5	--	<1	--	--	<0.05 b	<0.1	<0.1	<0.1	--	--
DP-1-3	Delta 2006	10/19/2006	1	--	19.7	--	--	**0.0663**	<0.0215	0.0827	0.453	<0.0430	34.2
DP-1-4	Delta 2006	10/19/2006	1	--	<5.65	--	--	0.0209	<0.0283	<0.0283	<0.0565	<0.0565	4.08
DP-1-5	Delta 2006	10/19/2006	4	--	<4.37	--	--	<0.00875	<0.0219	<0.0219	<0.0437	<0.0437	1.63
SO-060493-100713-AS-SB-3-2	CRA 2013	10/7/2013	2	---	<4.12	<5.95	8.74	0.00386	0.00116	<0.00114	0.00270	---	---
SO-060493-100713-AS-SB-4-4	CRA 2013	10/7/2013	4	---	<2.74	<4.80	<4.80	<0.00104	<0.00104	<0.00104	<0.00155	---	---

TABLE 1

SUMMARY OF SOIL ANALYTICAL RESULTS
SHELL-BRANDED WHOLESALE FACILITY
210 NORTHEAST 45TH STREET
SEATTLE, WASHINGTON

				HYDROCARBONS				*PRIMARY VOCS*					*LEAD*
Sample ID	***Consultant***	***Sample Date***	***Sample Depth***	***TPH 418.1***	***TPHg***	***TPHd***	***TPHo***	***B***	***T***	***E***	***X***	***MTBE***	***Total***
		MTCA Method A Cleanup Level		***NE***	***30/100***	***2000***	***2000***	***0.03***	***7***	***6***	***9***	***0.1***	***250***
			ft	***(mg/kg)***	***(mg/kg)***	***(mg/kg)***	***(mg/kg)***	***(mg/kg)***	***(mg/kg)***	***(mg/kg)***	***(mg/kg)***	***(mg/kg)***	***(mg/kg)***
SO-060493-100713-AS-SB-4-10	CRA 2013	10/7/2013	10	---	**115**	21.9	41.1	<0.000896	<0.000896	<0.000896	<0.00134	---	---
SO-060493-100713-AS-SB-4-11	CRA 2013	10/7/2013	11	---	**1,190**	206	64.1	<0.0505	<0.0505	<0.0505	<0.0758	---	---
SO-060493-100713-AS-SB-4-12	CRA 2013	10/7/2013	12	---	22.7	<4.99	<4.99	0.00417	<0.000902	0.000993	<0.00135	---	---
SO-060493-100713-AS-SB-5-3[4]	CRA 2013	10/7/2013	3	---	<2.59	<4.98	<4.98	0.00314	0.00621	<0.00102	0.00416	<0.00102	20.1
SO-060493-100713-AS-SB-5-4[4]	CRA 2013	10/7/2013	4	---	<3.77	<4.97	<4.97	<0.00104	<0.00104	<0.00104	<0.00157	<0.00104	3.02
SO-060493-100713-AS-SB-5-8[4,5,6]	CRA 2013	10/7/2013	8	---	52.7	48.2	<4.99	<0.000922	<0.000922	<0.000922	<0.00138	<0.000922	3.04
SO-060493-100813-AS-SB-6-4[4,5]	CRA 2013	10/8/2013	4	---	**145**	82.2	66.2	0.00241	0.000905	0.00303	0.00528	<0.000887	11.0
SO-060493-100813-AS-SB-7-2	CRA 2013	10/8/2013	2	---	<4.62	<5.74	<5.74	<0.00125	<0.00125	<0.00125	<0.00188	---	---
SO-060493-100813-AS-SB-7-4	CRA 2013	10/8/2013	4	---	<3.44	<5.76	<5.76	<0.00103	<0.00103	<0.00103	<0.00154	---	---
SO-060493-100813-AS-SB-7-8	CRA 2013	10/8/2013	8	---	**5,130**	167	<5.27	**1.89**	**41.1**	**21.3**	**125**	---	---
SO-060493-100813-AS-SB-7-11.5[6]	CRA 2013	10/8/2013	11	---	**3,130**	146	<5.46	**29.3**	**200**	**68.9**	**177**	---	---

Notes/Abbreviations

TPH 418.1 = Total petroleum hydrocarbons analyzed by EPA Method 418.1

TPHg = Total petroleum hydrocarbons as gasoline range organics analyzed by NWTPH-Gx; before October 2006, analyzed by Method WTPH-G; before October 1991, analyzed by Modified EPA Method 8015

TPHd = Total petroleum hydrocarbons as diesel range organics analyzed by NWTPH-Dx with Silica Gel Cleanup; before October 2006, analyzed by Method WTPH-D; before October 1991, analyzed by Modified EPA Method 8015

TPHo = Total petroleum hydrocarbons as heavy oil range organics

BTEX = Benzene, toluene, ethylbenzene, xylenes analyzed by EPA Method 8260B; before October 2006, analyzed by EPA Method 8020

VOCs = Volatile organic compounds

MTBE = Methyl tertiary-butyl ether analyzed by EPA Method 8260B

Total lead analyzed by EPA Method 6020

mg/kg = milligrams per kilogram

NE = Not established

ND = Not detectable

<x = Not detectable above reporting limit x

-- = Not analyzed

Bolded concentration indicates exceedance of MTCA Method A cleanup levels

and metals by EPA Method 6010, 7471 and 200.8. All analytical results were either below the MTCA Method A cleanup levels or reporting limits.

Shade indicates the soil sample location has been over-excavated.

[1] = The sample was additionally analyzed for polychlorinated biphenyls (PCBs) by EPA Method 8080, and TCLP metals by EPA Method 7000 series.
The analytical results were all below laboratory reporting limits or MTCA Method A/B cleanup levels.

[2] = The sample was additionally analyzed for halogenated VOCs (HVOCs) by EPA Method 8240. The analytical results were all below laboratory reporting limits.

[3] = The sample was additionally analyzed for organic lead by EPA Method 7421. The analytical result was below laboratory reporting limit.

[4]= The sample was additionally analyzed for 1,2-Dichloroethane (EDC) and 1,2-Dibromoethane (EDB) by EPA Method 8260B. The analytical results were below MTCA Method A cleanup levels.

[5]= The sample was additionally analyzed for PCBs, Carcinogenic Poly-Aromatic Hydrocarbons (cPAHs), and HVOCs by EPA Method 8082, 8270C, and 8260B respectively. The analytical results were below MTCA Method A cleanup levels with exception of cPAHs in SB-6-4'.

[6]= The sample was additionally analyzed for Extractable Petroleum Hydrocarbons (EPH), Volatile Petroleum Hydrocarbons (VPH), n-Hexane, and Naphthalene by Method NWTPH-EPH, NWTPH-VPH, and EPA Method 8260B, respectively. Naphthalene was below MTCA Method A level for sample SB-5-8 and above for SB-7-11.5 (at 42.0 mg/kg).

a = Sample chromatogram indicates stoddard-like contamination.

b = The laboratory reporting limit in excess of the MTCA Method A cleanup levels.

c = TPHo analyzed by Method WTPH-418.1

d = Total lead analyzed by EPA Method 7420.

TABLE 2

SUMMARY OF GROUNDWATER MONITORING DATA
SHELL-BRANDED WHOLESALE FACILITY
210 NORTHEAST 45TH STREET
SEATTLE, WASHINGTON

					HYDROCARBONS			PRIMARY VOCs						OXYGENATES					LEAD		PAHs	
Sample ID	*Date*	*TOC*	*DTW*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*EDB*	*EDC*	*MTBE*	*TAME*	*TBA*	*DIPE*	*ETBE*	*Total*	*Ethanol*	*Naphthalenes*	*CPAHs*
			MTCA Method A Cleanup Levels		800/1000	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
					ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-1	04/10/97	93.80	5.65	88.15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	11/08/00	93.80	8.99	84.81	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	02/14/01	97.77	8.89	88.88	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	04/19/01	97.77	8.24	89.53	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	08/07/01	97.77	9.26	88.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	11/01/01	97.77	9.74	88.03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	03/20/02	97.77	7.33	90.44	195	**3,440**	**577**	3.13	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-1	05/14/02	97.77	7.46	90.31	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	08/22/02	97.77	8.45	89.32	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	12/03/02	97.77	9.70	88.07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	03/06/03	97.77	8.55	89.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	06/12/03	97.77	8.87	88.90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	09/16/03	97.77	9.76	88.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	12/17/03	97.77	7.52	90.25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	03/23/04	97.77	6.38	91.39	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	07/07/04	97.77	7.88	89.89	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	09/15/04	97.77	8.64	89.13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	12/13/04	97.77	8.15	89.62	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	03/15/05	97.77	7.67	90.10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	06/13/05	97.77	7.68	90.09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	09/27/05	97.77	8.90	88.87	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	12/19/05	97.77	8.29	89.48	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	03/20/06	97.77	5.93	91.84	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	05/02/06	97.77	6.72	91.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	12/08/06	97.77	6.15	91.62	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	03/08/07	97.77	7.71	90.06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	06/27/07	97.77	7.48	90.29	279	**34,600**	**4,610**	**7.18**	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
MW-1	09/26/07	97.77	8.83	88.94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	12/27/07	97.77	6.49	91.28	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	03/27/08	97.77	6.72	91.05	140	**6,400**	<1,000 a	<1	<1	<1	<1	--	--	<1	<1	7.4	<1	<1	--	--	--	--
MW-1	06/25/08	97.77	7.40	90.37	160	**6,100**	<1,000 a	<1	<1	<1	<1	--	--	<1	--	--	--	--	--	--	--	--
MW-1	10/01/08	97.77	--	--	Not Sampled - Well Dry																	
MW-1	12/11/08	97.77	7.81	89.96	83	400	<500	<1	<1	<1	<1	--	--	--	--	--	--	--	--	--	--	--

TABLE 2

SUMMARY OF GROUNDWATER MONITORING DATA
SHELL-BRANDED WHOLESALE FACILITY
210 NORTHEAST 45TH STREET
SEATTLE, WASHINGTON

					HYDROCARBONS			PRIMARY VOCs						OXYGENATES					LEAD		PAHs	
Sample ID	*Date*	*TOC*	*DTW*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*EDB*	*EDC*	*MTBE*	*TAME*	*TBA*	*DIPE*	*ETBE*	*Total*	*Ethanol*	*Naphthalenes*	*CPAHs*
			MTCA Method A Cleanup Levels		800/1000 ug/L	500 ug/L	500 ug/L	5 ug/L	1000 ug/L	700 ug/L	1000 ug/L	0.01 ug/L	5 ug/L	20 ug/L	NE ug/L	NE ug/L	NE ug/L	NE ug/L	15 ug/L	NE ug/L	160 ug/L	0.1 ug/L
MW-1	03/10/09	97.77	6.81	90.96	<100	220	<100	<0.50	<1.0	<1.0	<1.0	--	--	<1.0	<2.0	<10	<2.0	<2.0	--	--	--	--
MW-1	05/27/09	97.77	6.57	91.20	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
MW-1	09/01/09	97.77	8.47	89.30	920	**1,200**	110	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
MW-1	12/03/09	97.77	6.61	91.16	<100	410	<100	<0.50	<1.0	<1.0	<1.0	<0.010	0.5	--	--	--	--	--	--	--	--	--
MW-1	02/18/10	97.77	6.52	91.25	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	<0.010	<0.50	<1.0	<2.0	<10	<2.0	<2.0	--	--	<0.10	<0.10
MW-1	05/04/10	97.77	7.19	90.58	<100	130	<100	<0.50	<1.0	<1.0	<1.0	--	--	<1.0	--	--	--	--	--	--	--	--
MW-1	08/17/10	97.77	7.70	90.07	<100	210	<100	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
MW-1	12/16/10	97.77	6.10	91.67	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
MW-1	02/25/11	97.77	5.67	92.10	<100	189	<96.2	<1.00	<1.00	<1.00	<3.00	--	--	<1.00	<1.00	<20.0	<1.00	<1.00	--	--	--	--
MW-1	08/11/11	97.77	7.72	90.05	<100	**1,470**	<250	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--	--	--
MW-1	02/07/12	97.77	6.89	90.88	<100	<96.2	<240	<1.00	<1.00	<1.00	<3.00	--	--	<1.00	<1.00	<10.0	<1.00	<1.00	--	--	--	--
MW-1	07/31/12	97.77	7.62	90.15	<100	224	<94.3	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--	--	--
MW-1	01/22/13	97.77	5.17	92.60	<100	191	<95.2	<1.00	<1.00	<1.00	<3.00	--	--	<1.00	<1.00	<10.0	<2.00	<1.00	--	--	--	--
MW-1	08/07/13	97.77	8.00	89.77	<100	**644**	165	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--	--	--
MW-2	04/10/97	92.16	11.51	80.65	**61,900**	**9,520**	--	**21600**	**17,600**	**905**	**5,920**	--	--	--	--	--	--	--	--	--	--	--
MW-2	07/24/97	92.16	7.38	84.78	**46,400**	**546**	--	**8250**	**4,920**	**791**	**4,500**	--	--	--	--	--	--	--	--	--	--	--
MW-2	01/27/98	96.51	5.84	90.67	**14,400**	**3,070**	--	**1610**	**1,340**	114	**1,380**	--	--	--	--	--	--	--	--	--	--	--
MW-2	04/29/98	96.51	8.53	87.98	656	**2,160**	--	**16**	17	1.7	26	--	--	--	--	--	--	--	--	--	--	--
MW-2	07/28/98	96.51	18.10	78.41	**7,790**	**583**	--	**247**	31	217	**1,330**	--	--	--	--	--	--	--	--	--	--	--
MW-2	10/21/98	96.51	9.36	87.15	**17,100**	**6,930**	--	**1990**	**1,350**	406	**2,600**	--	--	--	--	--	--	--	--	--	--	--
MW-2	01/20/99	96.51	17.00	79.51	**3,680**	**1,310**	--	**75.5**	36	145	292	--	--	--	--	--	--	--	--	--	--	--
MW-2	04/22/99	96.51	12.50	84.01	**8,560**	**3,760**	--	**423**	383	140	565	--	--	--	--	--	--	--	--	--	--	--
MW-2	07/21/99	96.51	13.37	83.14	**1,370**	**2,810**	--	**71.5**	3.3	19	46	--	--	--	--	--	--	--	--	--	--	--
MW-2	10/26/99	96.51	10.35	86.16	**3,070**	**3,440**	--	**112**	47	49	124	--	--	--	--	--	--	--	--	--	--	--
MW-2	02/23/00	96.51	8.22	88.29	**10,500**	**68,900**	--	**191**	586	180	889	--	--	--	--	--	--	--	--	--	--	--
MW-2	05/31/00	96.51	8.15	88.36	**807**	**2,930**	--	**14.5**	75	8.1	96	--	--	--	--	--	--	--	--	--	--	--
MW-2	08/22/00	96.51	17.71	78.80	195	**1,040**	--	**12.5**	1.7	7.2	7.4	--	--	--	--	--	--	--	--	--	--	--
MW-2	11/08/00	96.51	9.00	87.51	**8,960**	**16,000**	< 500	**58.2**	**1,190**	120	**1,490**	--	--	--	--	--	--	--	--	--	--	--
MW-2	02/14/01	96.67	8.80	87.87	**2,180**	**3,850**	< 500	3.92	125	6.61	427	--	--	--	--	--	--	--	--	--	--	--
MW-2	04/19/01	96.67	8.14	88.53	**1,110**	**3,570**	< 500	**10.9**	64	18	111	--	--	--	--	--	--	--	--	--	--	--
MW-2	08/07/01	96.67	9.24	87.43	**9,260**	**5,320**	**759**	**60.4**	**1,390**	121	**1,460**	--	--	--	--	--	--	--	--	--	--	--
MW-2	11/01/01	96.67	9.85	86.82	100	**672**	< 500	< 0.5	2.9	0.85	6.1	--	--	--	--	--	--	--	--	--	--	--
MW-2	03/20/02	96.67	12.62	84.05	148	367	< 500	1.8	18	3.0	15	--	--	--	--	--	--	--	--	--	--	--

TABLE 2

SUMMARY OF GROUNDWATER MONITORING DATA
SHELL-BRANDED WHOLESALE FACILITY
210 NORTHEAST 45TH STREET
SEATTLE, WASHINGTON

					HYDROCARBONS			PRIMARY VOCs						OXYGENATES					LEAD		PAHs	
Sample ID	*Date*	*TOC*	*DTW*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*EDB*	*EDC*	*MTBE*	*TAME*	*TBA*	*DIPE*	*ETBE*	*Total*	*Ethanol*	*Naphthalenes*	*CPAHs*
			MTCA Method A Cleanup Levels		800/1000 ug/L	500 ug/L	500 ug/L	5 ug/L	1000 ug/L	700 ug/L	1000 ug/L	0.01 ug/L	5 ug/L	20 ug/L	NE ug/L	NE ug/L	NE ug/L	NE ug/L	15 ug/L	NE ug/L	160 ug/L	0.1 ug/L
MW-2	05/14/02	96.67	13.87	82.80	655	< 284	< 568 a	1.87	1.7	0.65	3.4	--	--	--	--	--	--	--	--	--	--	--
MW-2	08/22/02	96.67	8.62	88.05	**6,800**	500	< 750 a	**9**	500	110	710	--	--	--	--	--	--	--	--	--	--	--
MW-2	12/03/02	96.67	17.60	79.07	< 250	< 250	< 750 a	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-2	03/06/03	96.67	17.10	79.57	270	< 250	< 500	4.2	2	8.6	7.5	--	--	--	--	--	--	--	--	--	--	--
MW-2	06/11/03	96.67	17.50	79.17	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-2	09/16/03	96.67	15.25	81.42	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-2	12/17/03	96.67	7.45	89.22	**7,500**	< 250	< 500	**6.3**	920	150	**1,050**	--	--	--	--	--	--	--	--	--	--	--
MW-2	03/23/04	96.67	6.70	89.97	**16,000**	**1,000**	< 500	**5.3**	**1,300**	380	**2,330**	--	--	--	--	--	--	--	--	--	--	--
MW-2	07/07/04	96.67	8.12	88.55	**11,000**	**2,900**	< 500	< 5	880	280	**2,590**	--	--	--	--	--	--	--	--	--	--	--
MW-2	09/15/04	96.67	8.73	87.94	**6,400**	**1,900**	< 500	**12**	380	150	**1,470**	--	--	--	--	--	--	--	--	--	--	--
MW-2	12/13/04	96.67	7.94	88.73	720	370	< 500	**6**	15	2.5	230	--	--	--	--	--	--	--	--	--	--	--
MW-2	03/15/05	96.67	7.75	88.92	**14,000**	**810**	< 1,500 a	**170**	560	**760**	**4,400**	--	--	--	--	--	--	--	--	--	--	--
MW-2	06/13/05	96.67	7.88	88.79	< 50	< 250	< 500	< 1	< 1	2.5	7.4	--	--	--	--	--	--	--	--	--	--	--
MW-2	09/27/05	96.67	9.15	87.52	**6,400**	**620**	< 510 a	**530**	60	360	**1,550**	--	--	--	--	--	--	--	--	--	--	--
MW-2	12/19/05	96.67	8.36	88.31	< 50.0	414	< 481	0.916	0.525	1.79	11.0	--	--	--	--	--	--	--	--	--	--	--
MW-2	03/20/06	96.67	6.20	90.47	769	< 236	< 472	**47**	7.34	31.1	161	--	--	--	--	--	--	--	--	--	--	--
MW-2	05/02/06	96.67	6.90	89.77	**6,860**	**671**	478	**143**	39.6	326	**1,840**	--	--	--	--	--	--	--	--	--	--	--
MW-2 Dup	05/02/06	96.67	--	--	**6,860**	**524**	< 476	**147**	39.9	334	**1,850**	--	--	--	--	--	--	--	--	--	--	--
MW-2	12/08/06	96.67	7.22	89.45	**16,800**	**976**	<476	**309**	56.0	846	**4,540**	--	--	--	--	--	--	--	--	--	--	--
MW-2	03/08/07	96.67	7.78	88.89	**3,900**	<243	<485	**62.7**	5.95	30.8	780	--	--	--	--	--	--	--	--	--	--	--
MW-2	06/27/07	96.67	7.53	89.14	**26,900**	**1,100**	<481	**175**	48.1	**1,360**	**6,690**	--	--	--	--	--	--	--	--	--	--	--
MW-2	09/26/07	96.67	10.20	86.47	**3,130**	<236	<472	**119**	17.7	350	489	--	--	<5.00	<1.00	<50.0	<1.00	<1.00	--	<250	--	--
MW-2	12/27/07	96.67	6.66	90.01	**1,030 b**	<238	<476	4.62	2.83	36	292	--	--	--	--	--	--	--	--	--	--	--
MW-2	03/27/08	96.67	6.88	89.79	620	-- f	-- f	1.1	<1	10	169	--	--	<1	<1	<5	<1	<1	--	--	--	--
MW-2	06/25/08	96.67	9.49	87.18	**5,800**	**1,100**	<1,000 a	**25**	34	**880**	**3,400**	--	--	<1	--	--	--	--	--	--	--	--
MW-2	10/01/08	96.67	10.43	86.24	**2,200**	**2,500**	<1,000 a	**16**	6.6	220	138	--	--	<1	--	--	--	--	--	--	--	--
MW-2	12/11/08	96.67	9.58	87.09	**2,300**	**2,800**	<2,000 a	4.3	4.6	130	490	--	--	--	--	--	--	--	--	--	--	--
MW-2	03/10/09	96.67	9.02	87.65	**1,100**	240	<100	1.1	2.7	38	430	--	--	<1.0	<2.0	<10	<2.0	<2.0	--	--	--	--
MW-2	05/27/09	96.67	6.82	89.85	**3,500**	<100	<100	0.72	5.4	300	**1,200**	--	--	--	--	--	--	--	--	--	--	--
MW-2	09/01/09	96.67	8.67	88.00	**2,600**	**670**	<100	2.4	4.7	300	410	--	--	--	--	--	--	--	--	--	--	--
MW-2	12/03/09	96.67	6.90	89.77	620	220	<100	<0.50	<1.0	35	170	<0.010	<0.50	--	--	--	--	--	--	--	--	--
MW-2	02/18/10	96.67	5.80	90.87	<100	<100	<100	<0.50	<1.0	2.4	6.6	<0.010	<0.50	<1.0	<2.0	<10	<2.0	<2.0	--	--	<0.10	<0.10
MW-2	05/04/10	96.67	6.66	90.01	**1,900**	**1,200 g**	<100	<0.50	1.7	250	680	--	--	<1.0	--	--	--	--	<1.00	--	19.7	<0.50

TABLE 2

SUMMARY OF GROUNDWATER MONITORING DATA
SHELL-BRANDED WHOLESALE FACILITY
210 NORTHEAST 45TH STREET
SEATTLE, WASHINGTON

					HYDROCARBONS			PRIMARY VOCs						OXYGENATES					LEAD		PAHs	
Sample ID	*Date*	*TOC*	*DTW*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*EDB*	*EDC*	*MTBE*	*TAME*	*TBA*	*DIPE*	*ETBE*	*Total*	*Ethanol*	*Naphthalenes*	*CPAHs*
			MTCA Method A Cleanup Levels		800/1000 ug/L	500 ug/L	500 ug/L	5 ug/L	1000 ug/L	700 ug/L	1000 ug/L	0.01 ug/L	5 ug/L	20 ug/L	NE ug/L	NE ug/L	NE ug/L	NE ug/L	15 ug/L	NE ug/L	160 ug/L	0.1 ug/L
MW-2	08/17/10	96.67	7.90	88.77	**4,200**	**3,300 g**	<100	<2.5	<5.0	500	760	--	--	--	--	--	--	--	--	--	--	--
MW-2	12/16/10	96.67	5.79	90.88	200	160	<100	<0.50	<1.0	6.3	15	--	--	--	--	--	--	--	--	--	--	--
MW-2	02/25/11	96.67	6.09	90.58	636	378	141	<1.00	<1.00	14.3	17.9	--	--	<1.00	<1.00	<20.0	<1.00	<1.00	--	--	--	--
MW-2	08/11/11	96.67	7.96	88.71	**4,100**	**804**	<250	<1.00	2.05	401	227	--	--	--	--	--	--	--	--	--	--	--
MW-2	02/07/12	96.67	6.92	89.75	600	331	<240	<1.00	<1.00	14.0	34.1	--	--	<1.00	<1.00	<10.0	<1.00	<1.00	--	--	--	--
MW-2	07/31/12	96.67	7.72	88.95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	08/01/12	--	--	--	**2,440**	**878**	<94.3	<1.00	1.81	324	146	--	--	--	--	--	--	--	--	--	--	--
MW-2	01/22/13	96.67	5.52	91.15	<100	<95.2	<95.2	<1.00	<1.00	<1.00	<3.00	--	--	<1.00	<1.00	<10.0	<2.00	<1.00	--	--	--	--
MW-2	08/07/13	96.67	8.20	88.47	**1,680**	432	<100	<1.00	1.54	235	22.0	--	--	--	--	--	--	--	--	--	--	--
MW-3	04/10/97	93.43	7.83	85.60	< 50	< 250	--	0.559	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-3	07/24/97	93.43	9.51	83.92	56	281	--	**34.4**	0.66	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-3	11/06/97	93.43	--	--	89	261	--	**606**	< 0.5	< 0.5	3.36	--	--	--	--	--	--	--	--	--	--	--
MW-3	01/27/98	97.23	7.71	89.52	< 50	273	--	**52.3**	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-3	04/29/98	97.23	9.70	87.53	178	< 250	--	**786**	1.12	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-3	07/28/98	97.23	11.67	85.56	175	< 250	--	**193**	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-3	10/21/98	97.23	11.18	86.05	< 50	< 250	--	**47.5**	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-3	01/20/99	97.23	9.58	87.65	< 50	< 250	--	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-3	04/22/99	97.23	8.54	88.69	< 50	< 250	--	2.16	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-3	07/21/99	97.23	10.32	86.91	< 50	< 250	--	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-3	10/26/99	97.23	12.13	85.10	< 50	< 371	--	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-3	02/23/00	97.23	9.84	87.39	< 50	< 250	--	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-3	05/31/00	97.23	9.63	87.60	< 1	< 250	--	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-3	08/22/00	97.23	11.34	85.89	158	< 294	--	**9.36**	< 0.5	< 0.5	1.14	--	--	--	--	--	--	--	--	--	--	--
MW-3	11/08/00	97.23	10.85	86.38	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-3	02/14/01	97.39	10.55	86.84	< 50	< 250	< 500	2.66	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-3	04/19/01	97.39	9.96	87.43	< 50	< 250	< 500	1.45	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-3	08/07/01	97.39	11.36	86.03	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-3	11/01/01	97.39	11.90	85.49	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-3	03/20/02	97.39	9.64	87.75	< 50	< 250	< 500	0.661	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-3	05/14/02	97.39	9.51	87.88	< 50	< 250	< 500	0.868	0.664	< 0.5	1.41	--	--	--	--	--	--	--	--	--	--	--
MW-3	08/22/02	97.39	10.39	87.00	< 250	< 250	< 750 a	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-3	12/03/02	97.39	11.75	85.64	< 250	< 250	< 750 a	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-3	03/06/03	97.39	10.67	86.72	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--

TABLE 2

SUMMARY OF GROUNDWATER MONITORING DATA
SHELL-BRANDED WHOLESALE FACILITY
210 NORTHEAST 45TH STREET
SEATTLE, WASHINGTON

					HYDROCARBONS			PRIMARY VOCs						OXYGENATES					LEAD		PAHs	
Sample ID	*Date*	*TOC*	*DTW*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*EDB*	*EDC*	*MTBE*	*TAME*	*TBA*	*DIPE*	*ETBE*	*Total*	*Ethanol*	*Naphthalenes*	*CPAHs*
			MTCA Method A Cleanup Levels		800/1000 ug/L	500 ug/L	500 ug/L	5 ug/L	1000 ug/L	700 ug/L	1000 ug/L	0.01 ug/L	5 ug/L	20 ug/L	NE ug/L	NE ug/L	NE ug/L	NE ug/L	15 ug/L	NE ug/L	160 ug/L	0.1 ug/L
MW-3	06/12/03	97.39	12.29	85.10	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-3	09/16/03	97.39	12.27	85.12	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-3	12/17/03	97.39	9.62	87.77	< 250	330	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-3	03/23/04	97.39	8.32	89.07	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-3	07/07/04	97.39	9.88	87.51	< 250	**1,500**	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-3	09/15/04	97.39	10.58	86.81	< 250	**1,300**	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-3	12/13/04	97.39	10.12	87.27	< 250	530	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-3	03/15/05	97.39	9.44	87.95	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-3	06/13/05	97.39	9.61	87.78	< 50	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-3	09/27/05	97.39	10.86	86.53	< 50	440	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-3	12/19/05	97.39	10.23	87.16	< 50.0	396	< 481	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	--	--	--	--	--	--	--	--
MW-3	03/20/06	97.39	7.63	89.76	< 50.0	< 236	< 472	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	--	--	--	--	--	--	--	--
MW-3	05/02/06	97.39	8.50	88.89	< 50.0	< 238	< 476	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	--	--	--	--	--	--	--	--
MW-3	12/08/06	97.39	7.80	89.59	<50.0	<245	<490	0.68	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
MW-3	03/08/07	97.39	9.40	87.99	<50.0	<243	<485	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
MW-3	06/27/07	97.39	9.34	88.05	<50.0	<240	<481	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
MW-3	09/26/07	97.39	10.72	86.67	<50.0	<236	<472	<0.500	<0.500	<0.500	<3.00	--	--	<5.00	<1.00	<50.0	<1.00	<1.00	--	<250	--	--
MW-3	12/27/07	97.39	8.25	89.14	<50.0	<238	<476	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
MW-3	03/27/08	97.39	8.33	89.06	<50	<250	<500	<1	<1	<1	<1	--	--	<1	<1	<5	<1	<1	--	--	--	--
MW-3	06/25/08	97.39	9.28	88.11	<50	<250	<500	<1	<1	<1	<1	--	--	<1	--	--	--	--	--	--	--	--
MW-3	10/01/08	97.39	10.49	86.90	<50	<250	<500	<1	<1	<1	<1	--	--	<1	--	--	--	--	--	--	--	--
MW-3	12/11/08	97.39	9.57	87.82	<50	<250	<500	<1	<1	<1	1.6	--	--	--	--	--	--	--	--	--	--	--
MW-3	03/10/09	97.39	8.33	89.06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	05/27/09	97.39	8.49	88.90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	09/01/09	97.39	10.44	86.95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	12/03/09	97.39	8.62	88.77	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	02/18/10	97.39	7.13	90.26	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	<0.010	<0.50	<1.0	<2.0	<10	<2.0	<2.0	--	--	<0.10	<0.10
MW-3	05/05/10	97.39	8.23	89.16	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	<1.0	--	--	--	--	<1.00	--	<0.10	<0.10
MW-3	08/17/10	97.39	9.69	87.70	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
MW-3	12/16/10	97.39	7.44	89.95	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
MW-3	02/25/11	97.39	7.61	89.78	<100	<96.2	<96.2	<1.00	<1.00	<1.00	<3.00	--	--	<1.00	<1.00	<20.0	<1.00	<1.00	--	--	--	--
MW-3	08/11/11	97.39	9.70	87.69	<100	<100	<250	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--	--	--
MW-3	02/07/12	97.39	8.71	88.68	<100	<96.2	<240	<1.00	<1.00	<1.00	<3.00	--	--	<1.00	<1.00	<10.0	<1.00	<1.00	--	--	--	--

TABLE 2

SUMMARY OF GROUNDWATER MONITORING DATA
SHELL-BRANDED WHOLESALE FACILITY
210 NORTHEAST 45TH STREET
SEATTLE, WASHINGTON

					HYDROCARBONS			PRIMARY VOCs						OXYGENATES					LEAD		PAHs	
Sample ID	*Date*	*TOC*	*DTW*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*EDB*	*EDC*	*MTBE*	*TAME*	*TBA*	*DIPE*	*ETBE*	*Total*	*Ethanol*	*Naphthalenes*	*CPAHs*
			MTCA Method A Cleanup Levels		800/1000	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
					ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-3	07/31/12	97.39	9.46	87.93	<100	<94.3	<94.3	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--	--	--
MW-3	01/22/13	97.39	7.10	90.29	<100	<95.2	<95.2	<1.00	<1.00	<1.00	<3.00	--	--	<1.00	<1.00	<10.0	<2.00	<1.00	--	--	--	--
MW-3	08/07/13	97.39	10.00	87.39	<100	207	<100	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--	--	--
MW-4	04/10/97	93.50	6.58	86.92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	07/24/97	93.50	9.50	84.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	01/27/98	97.31	7.61	89.70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	04/29/98	97.31	9.46	87.85	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	07/28/98	97.31	11.66	85.65	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	10/21/98	97.31	12.01	85.30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	01/20/99	97.31	9.69	87.62	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	04/22/99	97.31	7.92	89.39	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	07/21/99	97.31	10.33	86.98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	10/26/99	97.31	12.96	84.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	02/23/00	97.31	10.02	87.29	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	05/31/00	97.31	10.16	87.15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	08/22/00	97.31	11.47	85.84	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	11/08/00	97.31	11.41	85.90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	02/14/01	97.47	11.19	86.28	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	04/19/01	97.47	10.60	86.87	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	08/07/01	97.47	11.89	85.58	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	11/01/01	97.47	12.66	84.81	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	03/20/02	97.47	8.80	88.67	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-4	05/14/02	97.47	9.03	88.44	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	08/22/02	97.47	6.29	91.18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	12/03/02	97.47	11.75	85.72	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	03/06/03	97.47	10.95	86.52	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	06/12/03	97.47	13.06	84.41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	09/16/03	97.47	12.82	84.65	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	12/17/03	97.47	10.50	86.97	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	03/23/04	97.47	8.20	89.27	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	07/07/04	97.47	10.36	87.11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	09/15/04	97.47	11.38	86.09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	12/13/04	97.47	11.12	86.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 2

SUMMARY OF GROUNDWATER MONITORING DATA
SHELL-BRANDED WHOLESALE FACILITY
210 NORTHEAST 45TH STREET
SEATTLE, WASHINGTON

					HYDROCARBONS			PRIMARY VOCs						OXYGENATES					LEAD		PAHs	
Sample ID	*Date*	*TOC*	*DTW*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*EDB*	*EDC*	*MTBE*	*TAME*	*TBA*	*DIPE*	*ETBE*	*Total*	*Ethanol*	*Naphthalenes*	*CPAHs*
			MTCA Method A Cleanup Levels		800/1000 ug/L	500 ug/L	500 ug/L	5 ug/L	1000 ug/L	700 ug/L	1000 ug/L	0.01 ug/L	5 ug/L	20 ug/L	NE ug/L	NE ug/L	NE ug/L	NE ug/L	15 ug/L	NE ug/L	160 ug/L	0.1 ug/L
MW-4	03/15/05	97.47	9.94	87.53	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	06/13/05	97.47	10.07	87.40	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	09/27/05	97.47	11.55	85.92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	12/19/05	97.47	11.12	86.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	03/20/06	97.47	7.08	90.39	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	05/02/06	97.47	8.37	89.10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	12/08/06	97.47	6.88	90.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	03/08/07	97.47	10.10	87.37	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	06/27/07	97.47	9.58	87.89	<50.0	<240	<481	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
MW-4	09/26/07	97.47	11.34	86.13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	12/27/07	97.47	8.31	89.16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	03/27/08	97.47	7.92	89.55	<50	<250	<500	<1	<1	<1	<1	--	--	<1	<1	<5	<1	<1	--	--	--	--
MW-4	06/25/08	97.47	9.56	87.91	<50	<250	<500	<1	<1	<1	<1	--	--	<1	--	--	--	--	--	--	--	--
MW-4	10/01/08	97.47	10.50	86.97	<50	<250	<500	<1	<1	<1	<1	--	--	<1	--	--	--	--	--	--	--	--
MW-4	12/11/08	97.47	9.66	87.81	<50	<250	<500	<1	<1	<1	<1	--	--	--	--	--	--	--	--	--	--	--
MW-4	03/10/09	97.47	7.40	90.07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	05/27/09	97.47	8.78	88.69	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	09/01/09	97.47	11.19	86.28	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	12/03/09	97.47	8.80	88.67	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	02/18/10	97.47	7.26	90.21	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	<0.010	<0.50	<1.0	<2.0	<10	<2.0	<2.0	--	--	<0.10	<0.10
MW-4	05/05/10	97.47	8.33	89.14	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	<1.0	--	--	--	--	<1.00	--	<0.10	<0.10
MW-4	08/17/10	97.47	10.38	87.09	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
MW-4	12/16/10	97.47	7.92	89.55	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
MW-4	02/25/11	97.47	7.35	90.12	<100	<97.1	383	<1.00	<1.00	<1.00	<3.00	--	--	<1.00	<1.00	<20.0	<1.00	<1.00	--	--	--	--
MW-4	08/11/11	97.47	10.30	87.17	<100	<96.2	<240	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--	--	--
MW-4	02/07/12	97.47	9.51	87.96	<100	<96.2	<240	<1.00	<1.00	<1.00	<3.00	--	--	<1.00	<1.00	<10.0	<1.00	<1.00	--	--	--	--
MW-4	07/31/12	97.47	10.06	87.41	<100	<94.3	<94.3	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--	--	--
MW-4	01/22/13	97.47	6.67	90.80	<100	<95.2	<95.2	<1.00	<1.00	<1.00	<3.00	--	--	<1.00	<1.00	<10.0	<2.00	<1.00	--	--	--	--
MW-4	08/07/13	97.47	10.60	86.87	<100	<100	<100	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--	--	--
MW-5	04/10/97	91.16	8.14	83.02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	07/24/97	91.16	9.84	81.32	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	01/27/98	94.97	8.56	86.41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	04/29/98	94.97	10.40	84.57	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 2

SUMMARY OF GROUNDWATER MONITORING DATA
SHELL-BRANDED WHOLESALE FACILITY
210 NORTHEAST 45TH STREET
SEATTLE, WASHINGTON

					HYDROCARBONS			PRIMARY VOCs						OXYGENATES					LEAD		PAHs	
Sample ID	*Date*	*TOC*	*DTW*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*EDB*	*EDC*	*MTBE*	*TAME*	*TBA*	*DIPE*	*ETBE*	*Total*	*Ethanol*	*Naphthalenes*	*CPAHs*
			MTCA Method A Cleanup Levels		800/1000 ug/L	500 ug/L	500 ug/L	5 ug/L	1000 ug/L	700 ug/L	1000 ug/L	0.01 ug/L	5 ug/L	20 ug/L	NE ug/L	NE ug/L	NE ug/L	NE ug/L	15 ug/L	NE ug/L	160 ug/L	0.1 ug/L
MW-5	07/28/98	94.97	11.97	83.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	10/21/98	94.97	11.78	83.19	< 50	< 250	NA	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-5	01/20/99	94.97	9.14	85.83	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	04/22/99	94.97	9.71	85.26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	07/21/99	94.97	11.42	83.55	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	10/26/99	94.97	12.65	82.32	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	02/23/00	94.97	10.30	84.67	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	05/31/00	94.97	10.53	84.44	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	08/22/00	94.97	11.75	83.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	11/08/00	94.97	11.11	83.86	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	02/14/01	95.11	10.77	84.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	04/19/01	95.11	10.34	84.77	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	08/07/01	95.11	11.94	83.17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	11/01/01	95.11	12.46	82.65	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	03/20/02	95.11	9.92	85.19	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-5	05/14/02	95.11	9.63	85.48	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	08/22/02	95.11	10.81	84.30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	12/03/02	95.11	12.11	83.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	03/06/03	95.11	11.16	83.95	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-5	06/12/03	95.11	12.72	82.39	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-5	09/16/03	95.11	12.70	82.41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	12/17/03	95.11	10.31	84.80	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-5	03/23/04	95.11	9.00	86.11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	07/07/04	95.11	10.49	84.62	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	09/15/04	95.11	11.22	83.89	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	12/13/04	95.11	10.80	84.31	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	03/15/05	95.11	10.09	85.02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	06/13/05	95.11	10.12	84.99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	09/27/05	95.11	11.34	83.77	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	12/19/05	95.11	10.81	84.30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	03/20/06	95.11	8.25	86.86	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	05/02/06	95.11	9.00	86.11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	12/08/06	95.11	7.80	87.31	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 2

SUMMARY OF GROUNDWATER MONITORING DATA
SHELL-BRANDED WHOLESALE FACILITY
210 NORTHEAST 45TH STREET
SEATTLE, WASHINGTON

					HYDROCARBONS			PRIMARY VOCs						OXYGENATES					LEAD		PAHs	
Sample ID	*Date*	*TOC*	*DTW*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*EDB*	*EDC*	*MTBE*	*TAME*	*TBA*	*DIPE*	*ETBE*	*Total*	*Ethanol*	*Naphthalenes*	*CPAHs*
			MTCA Method A Cleanup Levels		800/1000 ug/L	500 ug/L	500 ug/L	5 ug/L	1000 ug/L	700 ug/L	1000 ug/L	0.01 ug/L	5 ug/L	20 ug/L	NE ug/L	NE ug/L	NE ug/L	NE ug/L	15 ug/L	NE ug/L	160 ug/L	0.1 ug/L
MW-5	03/08/07	95.11	10.22	84.89	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	06/27/07	95.11	9.77	85.34	<50.0	<240	<481	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
MW-5	09/26/07	95.11	11.14	83.97	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	12/27/07	95.11	8.89	86.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	03/27/08	95.11	8.87	86.24	<50	<250	<500	<1	<1	<1	<1	--	--	<1	<1	<5	<1	<1	--	--	--	--
MW-5	06/25/08	95.11	12.58	82.53	<50	<250	590	<1	<1	<1	<1	--	--	<1	--	--	--	--	--	--	--	--
MW-5	10/01/08	95.11	13.69	81.42	<50	310	<500	<1	<1	<1	<1	--	--	<1	--	--	--	--	--	--	--	--
MW-5	12/11/08	95.11	9.87	85.24	<50	<250	<500	<1	<1	<1	<1	--	--	--	--	--	--	--	--	--	--	--
MW-5	03/10/09	95.11	8.92	86.19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	05/27/09	95.11	9.10	86.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	09/01/09	95.11	10.99	84.12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	12/03/09	95.11	9.24	85.87	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	<0.010	<0.50	--	--	--	--	--	--	--	--	--
MW-5	02/18/10	95.11	8.26	86.85	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	<0.010	<0.50	<1.0	<2.0	<10	<2.0	<2.0	--	--	<0.10	<0.10
MW-5	05/05/10	95.11	9.00	86.11	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	<1.0	--	--	--	--	2.63	--	<0.10	<0.10
MW-5	08/17/10	95.11	10.42	84.69	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
MW-5	12/16/10	95.11	8.61	86.50	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
MW-5	02/25/11	95.11	8.51	86.60	<100	<95.2	**1,790**	<1.00	<1.00	<1.00	<3.00	--	--	<1.00	<1.00	<20.0	<1.00	<1.00	--	--	--	--
MW-5	08/11/11	95.11	10.44	84.67	<100	<100	<250	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--	--	--
MW-5	02/07/12	95.11	9.53	85.58	<100	<95.2	<238	<1.00	<1.00	<1.00	<3.00	--	--	<1.00	<1.00	<10.0	<1.00	<1.00	--	--	--	--
MW-5	07/31/12	95.11	10.16	84.95	<100	<94.3	489	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--	--	--
MW-5	01/22/13	95.11	7.88	87.23	<100	<95.2	<95.2	<1.00	<1.00	<1.00	<3.00	--	--	<1.00	<1.00	<10.0	<2.00	<1.00	--	--	--	--
MW-5	08/07/13	95.11	10.50	84.61	<100	<100	<100	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--	--	--
MW-6	04/10/97	91.55	10.85	80.70	55.1	< 250	--	**28.1**	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-6	07/24/97	91.55	12.93	78.62	354	348	--	**49.4**	0.78	< 0.5	1.85	--	--	--	--	--	--	--	--	--	--	--
MW-6	11/06/97	91.55	--	--	**24,100**	462	--	**6870**	**4,870**	342	**1,970**	--	--	--	--	--	--	--	--	--	--	--
MW-6	01/27/98	95.36	11.48	83.88	**18,200**	373	--	**4660**	**3,670**	304	**1,600**	--	--	--	--	--	--	--	--	--	--	--
MW-6	04/29/98	95.36	12.91	82.45	**33,700**	**1,970**	--	**4730**	**5,190**	496	**2,600**	--	--	--	--	--	--	--	--	--	--	--
MW-6	07/28/98	95.36	15.59	79.77	**58,200**	400	--	**6160**	**8,230**	**1,190**	**6,200**	--	--	--	--	--	--	--	--	--	--	--
MW-6	10/21/98	95.36	15.78	79.58	**7,050**	< 250	--	**1780**	946	256	849	--	--	--	--	--	--	--	--	--	--	--
MW-6	01/20/99	95.36	12.10	83.26	**2,300**	< 250	--	**868**	222	102	226	--	--	--	--	--	--	--	--	--	--	--
MW-6	04/22/99	95.36	12.90	82.46	**18,000**	299	--	**3600**	**3,490**	488	**2,330**	--	--	--	--	--	--	--	--	--	--	--
MW-6	07/21/99	95.36	15.36	80.00	**41,200**	272	--	**6840**	**6,590**	**1,090**	**5,300**	--	--	--	--	--	--	--	--	--	--	--
MW-6	10/26/99	95.36	16.45	78.91	**55,400**	405	--	**7780**	**8,270**	**1,350**	**6,970**	--	--	--	--	--	--	--	--	--	--	--

TABLE 2

SUMMARY OF GROUNDWATER MONITORING DATA
SHELL-BRANDED WHOLESALE FACILITY
210 NORTHEAST 45TH STREET
SEATTLE, WASHINGTON

					HYDROCARBONS			PRIMARY VOCs						OXYGENATES					LEAD		PAHs	
Sample ID	*Date*	*TOC*	*DTW*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*EDB*	*EDC*	*MTBE*	*TAME*	*TBA*	*DIPE*	*ETBE*	*Total*	*Ethanol*	*Naphthalenes*	*CPAHs*
			MTCA Method A Cleanup Levels		800/1000 ug/L	500 ug/L	500 ug/L	5 ug/L	1000 ug/L	700 ug/L	1000 ug/L	0.01 ug/L	5 ug/L	20 ug/L	NE ug/L	NE ug/L	NE ug/L	NE ug/L	15 ug/L	NE ug/L	160 ug/L	0.1 ug/L
MW-6	02/23/00	95.36	13.06	82.30	**5,970**	< 250	--	**1370**	416	280	838	--	--	--	--	--	--	--	--	--	--	--
MW-6	05/31/00	95.36	13.88	81.48	**34,500**	295	--	**3250**	**4,430**	**1,020**	**4,990**	--	--	--	--	--	--	--	--	--	--	--
MW-6	08/22/00	95.36	15.06	80.30	**50,300**	318	--	**5500**	**6,900**	**1,440**	**7,450**	--	--	--	--	--	--	--	--	--	--	--
MW-6	11/08/00	95.36	15.40	79.96	**22,400**	**836**	< 500	**3480**	**2,990**	**778**	**3,750**	--	--	--	--	--	--	--	--	--	--	--
MW-6	02/14/01	94.51	14.22	80.29	**12,200**	< 250	< 500	**1660**	**1,260**	463	**1,980**	--	--	--	--	--	--	--	--	--	--	--
MW-6	04/19/01	94.51	13.60	80.91	**18,500**	301	< 500	**3230**	**2,020**	691	**2,990**	--	--	--	--	--	--	--	--	--	--	--
MW-6	08/07/01	94.51	15.02	79.49	**21,100**	**923**	< 500	**3580**	**1,810**	**841**	**3,920**	--	--	--	--	--	--	--	--	--	--	--
MW-6	11/01/01	94.51	15.77	78.74	**19,700**	< 250	< 500	**2860**	**1,050**	**841**	**3,000**	--	--	--	--	--	--	--	--	--	--	--
MW-6	03/20/02	94.51	12.34	82.17	**12,800**	295	< 500	**2510**	**1,130**	458	**1,240**	--	--	--	--	--	--	--	--	--	--	--
MW-6	05/14/02	94.51	13.05	81.46	**21,100**	330	< 500	**3930**	**2,100**	**759**	**3,300**	--	--	--	--	--	--	--	--	--	--	--
MW-6	08/22/02	94.51	14.51	80.00	**14,000**	**700**	< 750 a	**2300**	**1,100**	400	**2,030**	--	--	--	--	--	--	--	--	--	--	--
MW-6 Dup	08/22/02	94.51	--	--	**15,000**	**700**	< 750 a	**2300**	**1,100**	410	**2,040**	--	--	--	--	--	--	--	--	--	--	--
MW-6	12/03/02	94.51	16.13	78.38	**24,000**	< 250	< 750 a	**2500**	910	**710**	**2,830**	--	--	--	--	--	--	--	--	--	--	--
MW-6	03/06/03	94.51	13.68	80.83	**4,200**	370	< 1,000 a	**1100**	48	280	600	--	--	--	--	--	--	--	--	--	--	--
MW-6	06/12/03	94.51	15.60	78.91	**32,000**	**530**	< 500	**5500**	**1,200**	**1,300**	**4,820**	--	--	--	--	--	--	--	--	--	--	--
MW-6	09/16/03	94.51	16.08	78.43	**19,000**	**720**	< 500	**3100**	340	**990**	**3,350**	--	--	--	--	--	--	--	--	--	--	--
MW-6	12/17/03	94.51	13.30	81.21	**4,700**	440	< 500	**1400**	51	320	621	--	--	--	--	--	--	--	--	--	--	--
MW-6	03/23/04	94.51	11.79	82.72	**19,000**	**570**	< 500	**3200**	**1,000**	**790**	**2,930**	--	--	--	--	--	--	--	--	--	--	--
MW-6	07/07/04	94.51	14.00	80.51	**29,000**	**1,800**	< 500	**3900**	860	**1,000**	**4,060**	--	--	--	--	--	--	--	--	--	--	--
MW-6	09/15/04	94.51	14.81	79.70	**29,000**	**4,800**	< 1,000 a	**4600**	350	**1,300**	**4,500**	--	--	--	--	--	--	--	--	--	--	--
MW-6	12/13/04	94.51	14.35	80.16	**16,000**	< 250	< 500	**2100**	160	**960**	**2,460**	--	--	--	--	--	--	--	--	--	--	--
MW-6	03/15/05	94.51	13.11	81.40	**14,000**	260	< 500	**1300**	210	**1,100**	**2,310**	--	--	--	--	--	--	--	--	--	--	--
MW-6 Dup	03/15/05	94.51	--	--	**14,000**	260	< 500	**1300**	200	**1,100**	**2,210**	--	--	--	--	--	--	--	--	--	--	--
MW-6	06/13/05	94.51	13.09	81.42	**20,000**	< 250	< 500	**1800**	390	**1,500**	**3,790**	--	--	--	--	--	--	--	--	--	--	--
MW-6	09/27/05	94.51	14.89	79.62	**19,000**	< 250	< 500	**2100**	320	**1,500**	**3,800**	--	--	--	--	--	--	--	--	--	--	--
MW-6 Dup	09/27/05	94.51	--	--	**19,000**	280	< 520 a	**2000**	320	**1,400**	**3,580**	--	--	--	--	--	--	--	--	--	--	--
MW-6	12/19/05	94.51	14.09	80.42	**18,600**	425	< 485	**1790**	194	**1,410**	**2,680**	--	--	--	--	--	--	--	--	--	--	--
MW-6	03/20/06	94.51	10.93	83.58	**8,980**	< 236	< 472	**522**	109	**745**	961	--	--	--	--	--	--	--	--	--	--	--
MW-6	05/02/06	94.51	11.96	82.55	**21,400**	246	< 476	**1300**	557	**1,500**	**3,230**	--	--	--	--	--	--	--	--	--	--	--
MW-6	12/08/06	94.51	11.37	83.14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	03/08/07	94.51	13.25	81.26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	06/27/07	94.51	12.66	81.85	**26,900**	**2,000**	490	**1480**	323	**1,730**	**3,760**	--	--	--	--	--	--	--	--	--	--	--
MW-6	09/26/07	94.51	14.38	80.13	**16,700**	257	<472	**1890**	289	**2,060**	<300	--	--	<5.00	<1.00	<50.0	<1.00	<1.00	--	<250	--	--

TABLE 2

SUMMARY OF GROUNDWATER MONITORING DATA
SHELL-BRANDED WHOLESALE FACILITY
210 NORTHEAST 45TH STREET
SEATTLE, WASHINGTON

					HYDROCARBONS			***PRIMARY VOCs***						***OXYGENATES***					***LEAD***		***PAHs***	
Sample ID	***Date***	***TOC***	***DTW***	***GWE***	***TPHg***	***TPHd***	***TPHo***	***B***	***T***	***E***	***X***	***EDB***	***EDC***	***MTBE***	***TAME***	***TBA***	***DIPE***	***ETBE***	***Total***	***Ethanol***	***Naphthalenes***	***CPAHs***
			MTCA Method A Cleanup Levels		800/1000 ug/L	500 ug/L	500 ug/L	5 ug/L	1000 ug/L	700 ug/L	1000 ug/L	0.01 ug/L	5 ug/L	20 ug/L	NE ug/L	NE ug/L	NE ug/L	NE ug/L	15 ug/L	NE ug/L	160 ug/L	0.1 ug/L
MW-6	12/27/07	94.51	11.53	82.98	**7,870 c**	**681 d**	**1,300**	**417**	88.7	603	989	--	--	--	--	--	--	--	--	--	--	--
MW-6	03/27/08	94.51	12.73	81.78	**12,000**	<250	<500	**340**	120	**930**	**1,365**	--	--	<1	<1	8.6	<1	<1	--	--	--	--
MW-6	06/25/08	94.51	12.52	81.99	**13,000**	450	**510**	**320**	140	**920**	**1,762**	--	--	<10	--	--	--	--	--	--	--	--
MW-6	10/01/08	94.51	13.63	80.88	**11,000**	410	<500	**330**	100	**810**	**1,323**	--	--	<20	--	--	--	--	--	--	--	--
MW-6	12/11/08	94.51	13.29	81.22	**7,500**	<250	<500	**130**	61	540	892	--	--	--	--	--	--	--	--	--	--	--
MW-6	03/10/09	94.51	12.36	82.15	**6,000**	<100	<100	**85**	23	370	480	--	--	<1.0	<2.0	<10	<2.0	<2.0	--	--	--	--
MW-6	05/27/09	94.51	11.80	82.71	**4,900**	<100	<100	**110**	41	390	500	--	--	--	--	--	--	--	--	--	--	--
MW-6	09/01/09	94.51	14.39	80.12	**6,800**	**1,600**	<100	**130**	25	300	440	--	--	--	--	--	--	--	--	--	--	--
MW-6	12/03/09	94.51	12.22	82.29	**4,400**	**1,700**	<100	**76**	17	270	270	<0.010	<1.0	--	--	--	--	--	--	--	--	--
MW-6	02/18/10	94.51	10.94	83.57	**4,100**	**1,700 g**	<100	**100**	25	400	410	<0.010	<1.0	<2.0	<4.0	<20	<4.0	<4.0	--	--	111	<2.5
MW-6	05/05/10	94.51	11.88	82.63	**5,200**	**1,700 g**	150	**140**	36	610	930	--	--	<1.0	--	--	--	--	4.51	--	38	<1.0
MW-6	08/17/10	94.51	13.58	80.93	**4,900**	**2,300 g**	<100	**150**	32	450	610	--	--	--	--	--	--	--	--	--	--	--
MW-6	12/16/10	94.51	11.81	82.70	**4,100**	**1,800 g**	170	**120**	20	470	470	--	--	--	--	--	--	--	--	--	--	--
MW-6	02/25/11	94.51	11.01	83.50	**7,650**	**1,720**	**8,160**	**81.5**	16.9	557	509	--	--	<1.00	<1.00	<20.0	<1.00	<1.00	--	--	--	--
MW-6	08/11/11	94.51	13.51	81.00	**13,400**	**1,170**	**834**	**418**	45.4	**816**	**1,140**	--	--	--	--	--	--	--	--	--	--	--
MW-6	02/07/12	94.51	12.03	82.48	**4,880**	**1,100**	362	**83.8**	11.9	451	459	--	--	<1.00	<1.00	<10.0	<1.00	<1.00	--	--	--	--
MW-6	07/31/12	94.51	12.92	81.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	08/01/12	--	--	--	**12,000**	**1,880**	408	**184**	34.9	**857**	**1,140**	--	--	--	--	--	--	--	--	--	--	--
MW-6	01/22/13	94.51	10.20	84.31	**5,240**	**826**	165	**89.0**	8.35	360	169	--	--	<1.00	<1.00	<10.0	<2.00	<1.00	--	--	--	--
MW-6	08/07/13	94.51	13.60	80.91	**2,090**	**1,230**	**513**	**171**	22.2	**792**	**1,130**	--	--	--	--	--	--	--	--	--	--	--
MW-7	04/10/97	92.73	7.32	85.41	< 50	< 250	--	< 0.5	< 1	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-7	07/24/97	92.73	9.55	83.18	< 50	< 250	--	< 0.5	< 1	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-7	11/06/97	92.73	--	--	< 50	< 250	--	< 0.5	< 1	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-7	01/27/98	96.23	7.83	88.40	< 50	< 250	--	< 0.5	< 1	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-7	04/29/98	96.23	9.63	86.60	< 50	< 250	--	< 0.5	0.56	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-7	07/28/98	96.23	11.01	85.22	< 50	< 250	--	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-7	10/21/98	96.23	11.58	84.65	< 50	< 250	--	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-7	01/20/99	96.23	9.55	86.68	< 50	< 250	--	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-7	04/22/99	96.23	8.27	87.96	< 50	< 250	--	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-7	07/21/99	96.23	10.22	86.01	< 50	< 250	--	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-7	10/26/99	96.23	12.41	83.82	< 50	< 311	--	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-7	02/23/00	96.23	9.87	86.36	< 50	< 509 a	--	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-7	05/31/00	96.23	10.26	85.97	< 50	< 250	--	< 0.5	0.79	< 0.5	1.48	--	--	--	--	--	--	--	--	--	--	--

TABLE 2

SUMMARY OF GROUNDWATER MONITORING DATA
SHELL-BRANDED WHOLESALE FACILITY
210 NORTHEAST 45TH STREET
SEATTLE, WASHINGTON

					HYDROCARBONS			*PRIMARY VOCs*						*OXYGENATES*					*LEAD*		*PAHs*	
Sample ID	***Date***	***TOC***	***DTW***	***GWE***	***TPHg***	***TPHd***	***TPHo***	***B***	***T***	***E***	***X***	***EDB***	***EDC***	***MTBE***	***TAME***	***TBA***	***DIPE***	***ETBE***	***Total***	***Ethanol***	***Naphthalenes***	***CPAHs***
			MTCA Method A Cleanup Levels		800/1000 ug/L	500 ug/L	500 ug/L	5 ug/L	1000 ug/L	700 ug/L	1000 ug/L	0.01 ug/L	5 ug/L	20 ug/L	NE ug/L	NE ug/L	NE ug/L	NE ug/L	15 ug/L	NE ug/L	160 ug/L	0.1 ug/L
MW-7	08/22/00	96.23	10.96	85.27	< 50	< 494	--	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-7	11/08/00	96.23	11.18	85.05	< 50	< 295	< 590 a	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-7	02/14/01	96.67	10.54	86.13	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-7	04/19/01	96.67	10.11	86.56	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-7	08/07/01	96.67	11.23	85.44	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-7	11/01/01	96.67	11.76	84.91	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-7	03/20/02	96.67	8.79	87.88	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-7	05/14/02	96.67	9.12	87.55	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-7	08/22/02	96.67	10.55	86.12	< 250	< 250	< 750 a	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-7	12/03/02	96.67	11.93	84.74	< 250	< 250	< 750 a	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-7	03/06/03	96.67	10.37	86.30	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-7	06/12/03	96.67	11.93	84.74	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-7	09/16/03	96.67	11.86	84.81	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-7	12/17/03	96.67	10.02	86.65	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-7	03/23/04	96.67	8.53	88.14	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-7	07/07/04	96.67	10.23	86.44	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-7	09/15/04	96.67	10.99	85.68	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-7	12/13/04	96.67	10.69	85.98	< 250	< 250	< 500	< 1	< 1	< 1	2.4	--	--	--	--	--	--	--	--	--	--	--
MW-7	03/15/05	96.67	9.97	86.70	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-7	06/13/05	96.67	10.02	86.65	< 50	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-7	09/27/05	96.67	11.25	85.42	< 50	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-7	12/19/05	96.67	10.79	85.88	< 50.0	< 240	< 481	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	--	--	--	--	--	--	--	--
MW-7	03/20/06	96.67	7.67	89.00	< 50.0	< 236	< 472	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	--	--	--	--	--	--	--	--
MW-7	05/02/06	96.67	8.67	88.00	< 50.0	< 238	< 476	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	--	--	--	--	--	--	--	--
MW-7	12/08/06	96.67	7.86	88.81	<50.0	<245	<490	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
MW-7	03/08/07	96.67	10.05	86.62	<50.0	<250	<500	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
MW-7	06/27/07	96.67	9.65	87.02	<50.0	<240	<481	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
MW-7	09/26/07	96.67	11.08	85.59	<50.0	<236	<472	<0.500	<0.500	<0.500	<3.00	--	--	<5.00	<1.00	<50.0	<1.00	<1.00	--	<250	--	--
MW-7	12/27/07	96.67	8.83	87.84	<50.0	<236	<472	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
MW-7	03/27/08	96.67	--	--	Not Sampled - Too much traffic																	
MW-7	06/25/08	96.67	8.73	87.94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	10/01/08	96.67	9.42	87.25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	12/11/08	96.67	9.50	87.17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 2

SUMMARY OF GROUNDWATER MONITORING DATA
SHELL-BRANDED WHOLESALE FACILITY
210 NORTHEAST 45TH STREET
SEATTLE, WASHINGTON

					HYDROCARBONS			PRIMARY VOCs						OXYGENATES					LEAD		PAHs	
Sample ID	*Date*	*TOC*	*DTW*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*EDB*	*EDC*	*MTBE*	*TAME*	*TBA*	*DIPE*	*ETBE*	*Total*	*Ethanol*	*Naphthalenes*	*CPAHs*
			MTCA Method A Cleanup Levels		800/1000	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
					ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-7	03/10/09	96.67	8.59	88.08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	05/27/09	96.67	8.91	87.76	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	09/01/09	96.67	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	12/03/09	96.67	8.93	87.74	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	02/18/10	96.67	7.78	88.89	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	05/04/10	96.67	8.66	88.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	12/16/10	96.67	8.12	88.55	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	02/25/11	96.67	7.87	88.80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	08/11/11	96.67	10.20	86.47	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	02/07/12	96.67	9.47	87.20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	07/31/12	96.67	9.96	86.71	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	01/22/13	96.67	7.48	89.19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	08/07/13	96.67	9.57	87.10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	04/10/97	93.50	8.20	85.30	**1,140**	< 250	--	**854**	365	22.3	115	--	--	--	--	--	--	--	--	--	--	--
MW-8	07/24/97	93.50	9.60	83.90	**78,300**	**7,330**	--	**16900**	**14,100**	**1,020**	**5,130**	--	--	--	--	--	--	--	--	--	--	--
MW-8	11/06/97	93.50	--	--	**61,500**	**775**	--	**11400**	**15,100**	**1,110**	**6,390**	--	--	--	--	--	--	--	--	--	--	--
MW-8	01/27/98	97.03	7.51	89.52	**35,100**	**3,560**	--	**2150**	**3,700**	398	**3,790**	--	--	--	--	--	--	--	--	--	--	--
MW-8	04/29/98	97.03	22.43	74.60	**36,300**	**4,390**	--	**6230**	**1,470**	283	**2,920**	--	--	--	--	--	--	--	--	--	--	--
MW-8	07/28/98	97.03	22.45	74.58	**209,000**	**172,000**	--	**3380**	663	247	**2,270**	--	--	--	--	--	--	--	--	--	--	--
MW-8	10/21/98	97.03	9.53	87.50	**13,100**	**23,200**	--	**764**	109	53	287	--	--	--	--	--	--	--	--	--	--	--
MW-8	01/20/99	97.03	9.19	87.84	**4,410**	**3,010**	--	**135**	9.5	71	136	--	--	--	--	--	--	--	--	--	--	--
MW-8	04/22/99	97.03	8.35	88.68	**2,040**	**2,460**	--	**299**	76	19	252	--	--	--	--	--	--	--	--	--	--	--
MW-8	07/21/99	97.03	10.43	86.60	**2,430**	**1,670**	--	**462**	41	91	147	--	--	--	--	--	--	--	--	--	--	--
MW-8	10/26/99	97.03	10.85	86.18	**2,000**	**2,140**	--	**309**	34	81	108	--	--	--	--	--	--	--	--	--	--	--
MW-8	02/23/00	97.03	9.47	87.56	**858**	**2,040**	--	**9.09**	5.5	3.6	22	--	--	--	--	--	--	--	--	--	--	--
MW-8	05/31/00	97.03	9.51	87.52	**1,290**	**2,570**	--	**46.6**	4.4	4.8	19	--	--	--	--	--	--	--	--	--	--	--
MW-8	08/22/00	97.03	21.61	75.42	**1,230**	**1,360**	--	**368**	19	40	40	--	--	--	--	--	--	--	--	--	--	--
MW-8	11/08/00	97.03	9.69	87.34	**898**	**2,210**	< 622 a	**172**	14	56	54	--	--	--	--	--	--	--	--	--	--	--
MW-8	02/14/01	97.19	9.39	87.80	388	**1,720**	< 500	**38.6**	4.2	2.4	12	--	--	--	--	--	--	--	--	--	--	--
MW-8	04/19/01	97.19	8.81	88.38	302	**1,200**	< 500	**33.4**	2.2	7.6	6.9	--	--	--	--	--	--	--	--	--	--	--
MW-8	08/07/01	97.19	21.25	75.94	511	397	< 500	**195**	1.4	16	6.1	--	--	--	--	--	--	--	--	--	--	--
MW-8	11/01/01	97.19	20.72	76.47	273	**5,630**	**2,320**	**61.5**	< 0.5	4.3	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-8	03/20/02	97.19	19.51	77.68	**1,860**	**5,160**	**1,030**	**369**	147	52	238	--	--	--	--	--	--	--	--	--	--	--

TABLE 2

SUMMARY OF GROUNDWATER MONITORING DATA
SHELL-BRANDED WHOLESALE FACILITY
210 NORTHEAST 45TH STREET
SEATTLE, WASHINGTON

					HYDROCARBONS			*PRIMARY VOCs*						*OXYGENATES*					*LEAD*		*PAHs*	
Sample ID	***Date***	***TOC***	***DTW***	***GWE***	***TPHg***	***TPHd***	***TPHo***	***B***	***T***	***E***	***X***	***EDB***	***EDC***	***MTBE***	***TAME***	***TBA***	***DIPE***	***ETBE***	***Total***	***Ethanol***	***Naphthalenes***	***CPAHs***
			MTCA Method A Cleanup Levels		800/1000	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
					ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-8	05/14/02	97.19	8.87	88.32	106	362	< 500	**9.75**	3.1	6.4	16	--	--	--	--	--	--	--	--	--	--	--
MW-8	08/22/02	97.19	9.18	88.01	**1,000**	**3,300**	< 7,500 a	**25**	2.0	46	21	--	--	--	--	--	--	--	--	--	--	--
MW-8	12/03/02	97.19	10.90	86.29	< 250	270	< 750 a	3	< 1	12	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-8	03/06/03	97.19	20.70	76.49	< 250	< 250	< 500	**19**	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-8	06/11/03	97.19	21.20	75.99	300	< 250	< 500	**83**	6.1	12	34	--	--	--	--	--	--	--	--	--	--	--
MW-8	09/16/03	97.19	20.80	76.39	< 250	< 250	< 500	**15**	< 1	6.7	6.2	--	--	--	--	--	--	--	--	--	--	--
MW-8	12/17/03	97.19	8.38	88.81	< 250	< 250	< 500	**5**	< 1	1.2	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-8	03/23/04	97.19	7.95	89.24	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-8	07/07/04	97.19	8.83	88.36	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-8	09/15/04	97.19	9.15	88.04	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-8	12/13/04	97.19	8.66	88.53	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-8	03/15/05	97.19	8.62	88.57	< 250	< 250	< 500	**10**	< 1	19	5.1	--	--	--	--	--	--	--	--	--	--	--
MW-8	06/13/05	97.19	9.23	87.96	140	< 250	< 500	3.2	2.7	3	24.2	--	--	--	--	--	--	--	--	--	--	--
MW-8	09/27/05	97.19	9.49	87.70	**800**	< 250	< 500	**28**	8.3	52	46	--	--	--	--	--	--	--	--	--	--	--
MW-8	12/19/05	97.19	10.12	87.07	**2,910**	**552**	< 481	**331**	25.3	221	276	--	--	--	--	--	--	--	--	--	--	--
MW-8	03/20/06	97.19	7.74	89.45	< 50.0	< 236	< 472	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	--	--	--	--	--	--	--	--
MW-8 Dup	03/20/06	97.19	--	--	< 50.0	< 236	< 472	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	--	--	--	--	--	--	--	--
MW-8	05/02/06	97.19	8.10	89.09	< 50.0	< 236	< 472	0.887	< 0.500	< 0.500	< 1.00	--	--	--	--	--	--	--	--	--	--	--
MW-8	12/08/06	97.19	7.98	89.21	<50.0	<263	<526 a	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
MW-8	03/08/07	97.19	8.69	88.50	<50.0	<245	<490	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
MW-8	06/27/07	97.19	8.51	88.68	<50.0	<240	<481	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
MW-8	09/26/07	97.19	10.00	87.19	50.4	<236	<472	0.84	<0.500	<0.500	<3.00	--	--	<5.00	<1.00	<50.0	<1.00	<1.00	--	<250	--	--
MW-8	12/27/07	97.19	7.84	89.35	<50.0	<236	<472	0.65	<0.500	1.48	<3.00	--	--	--	--	--	--	--	--	--	--	--
MW-8	03/27/08	97.19	8.04	89.15	<50	<250	<500	<1	<1	<1	<1	--	--	<1	<1	<5	<1	<1	--	--	--	--
MW-8	06/25/08	97.19	9.24	87.95	<50	**790**	<1,000 a	<1	<1	<1	<1	--	--	<1	--	--	--	--	--	--	--	--
MW-8	10/01/08	97.19	10.43	86.76	<50	**1,100**	<500	<1	<1	<1	<1	--	--	<1	--	--	--	--	--	--	--	--
MW-8	12/11/08	97.19	9.79	87.40	<50	<250	<500	<1	<1	<1	<1	--	--	--	--	--	--	--	--	--	--	--
MW-8	03/10/09	97.19	9.01	88.18	<100	150	<100	<0.50	<1.0	<1.0	<1.0	--	--	<1.0	<2.0	<10	<2.0	<2.0	--	--	--	--
MW-8	05/27/09	97.19	8.11	89.08	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
MW-8	09/01/09	97.19	9.26	87.93	**2,400**	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
MW-8	12/03/09	97.19	8.14	89.05	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	<0.01	<0.50	--	--	--	--	--	--	--	--	--
MW-8	02/18/10	97.19	15.45	81.74	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	<0.010	<0.50	<1.0	<2.0	<10	<2.0	<2.0	--	--	<0.10	<0.10
MW-8	05/05/10	97.19	7.97	89.22	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	<1.0	--	--	--	--	1.01	--	<0.10	<0.10

TABLE 2

SUMMARY OF GROUNDWATER MONITORING DATA
SHELL-BRANDED WHOLESALE FACILITY
210 NORTHEAST 45TH STREET
SEATTLE, WASHINGTON

					HYDROCARBONS			PRIMARY VOCs						OXYGENATES					LEAD		PAHs	
Sample ID	*Date*	*TOC*	*DTW*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*EDB*	*EDC*	*MTBE*	*TAME*	*TBA*	*DIPE*	*ETBE*	*Total*	*Ethanol*	*Naphthalenes*	*CPAHs*
			MTCA Method A Cleanup Levels		800/1000 ug/L	500 ug/L	500 ug/L	5 ug/L	1000 ug/L	700 ug/L	1000 ug/L	0.01 ug/L	5 ug/L	20 ug/L	NE ug/L	NE ug/L	NE ug/L	NE ug/L	15 ug/L	NE ug/L	160 ug/L	0.1 ug/L
MW-8	08/17/10	97.19	8.74	88.45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	12/16/10	97.19	7.60	89.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	02/25/11	97.19	7.73	89.46	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	08/11/11	97.19	8.88	88.31	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	02/07/12	97.19	8.19	89.00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	07/31/12	97.19	8.67	88.52	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	01/22/13	97.19	6.39	90.80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	08/07/13	97.19	9.30	87.89	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-24	04/10/97	92.07	6.56	85.51	**2,360**	**2,930**	--	**1560**	27	158	241	--	--	--	--	--	--	--	--	--	--	--
MW-24	07/24/97	92.07	7.32	84.75	**10,600**	**3,860**	--	**1980**	48	518	830	--	--	--	--	--	--	--	--	--	--	--
MW-24	11/06/97	92.07	--	--	**6,560**	**6,290**	--	**2400**	98	471	582	--	--	--	--	--	--	--	--	--	--	--
MW-24	01/27/98	92.07	6.26	85.81	**5,670**	**4,350**	--	**2000**	44	473	723	--	--	--	--	--	--	--	--	--	--	--
MW-24	04/29/98	92.07	6.96	85.11	**4,690**	**3,300**	--	**1230**	21	336	433	--	--	--	--	--	--	--	--	--	--	--
MW-24	07/28/98	92.07	8.09	83.98	**3,880**	**3,160**	--	**1470**	20	319	384	--	--	--	--	--	--	--	--	--	--	--
MW-24	10/21/98	92.07	8.68	83.39	**2,140**	**1,540**	--	**709**	< 10	161	153	--	--	--	--	--	--	--	--	--	--	--
MW-24	01/20/99	92.07	6.47	85.60	**5,310**	**9,020**	--	**1740**	37	470	601	--	--	--	--	--	--	--	--	--	--	--
MW-24	04/22/99	92.07	7.87	84.20	**3,930**	**1,170**	--	**1260**	28	427	473	--	--	--	--	--	--	--	--	--	--	--
MW-24	07/21/99	92.07	8.75	83.32	**6,350**	**1,130**	--	**2210**	42	579	652	--	--	--	--	--	--	--	--	--	--	--
MW-24	10/26/99	92.07	9.43	82.64	**2,980**	< 284	--	**483**	27	140	168	--	--	--	--	--	--	--	--	--	--	--
MW-24	02/23/00	92.07	7.98	84.09	**4,020**	**3,430**	--	**1460**	28	469	438	--	--	--	--	--	--	--	--	--	--	--
MW-24	05/31/00	92.07	8.48	83.59	**4,240**	399	--	**1340**	21	386	323	--	--	--	--	--	--	--	--	--	--	--
MW-24	08/22/00	92.07	8.35	83.72	**3,170**	**3,110**	--	**890**	15	306	287	--	--	--	--	--	--	--	--	--	--	--
MW-24	11/08/00	92.07	8.39	83.68	**8,560**	**4,880**	**5,290**	**861**	10	273	264	--	--	--	--	--	--	--	--	--	--	--
MW-24	02/14/01	96.02	7.78	88.24	**3,900**	**2,440**	**3,140**	**906**	21	298	299	--	--	--	--	--	--	--	--	--	--	--
MW-24	04/19/01	96.02	7.45	88.57	**5,020**	**2,410**	**4,780**	**1410**	< 25	458	411	--	--	--	--	--	--	--	--	--	--	--
MW-24	08/07/01	96.02	8.30	87.72	**3,170**	**2,550**	**4,320**	**686**	11	279	267	--	--	--	--	--	--	--	--	--	--	--
MW-24	11/01/01	96.02	8.60	87.42	**4,050**	**503**	**811**	**407**	< 10	254	241	--	--	--	--	--	--	--	--	--	--	--
MW-24	03/20/02	96.02	6.86	89.16	**3,850**	**1,510**	**2,350**	**629**	13	273	323	--	--	--	--	--	--	--	--	--	--	--
MW-24	05/14/02	96.02	7.35	88.67	**3,750**	**1,760**	**3,320**	**670**	12	400	344	--	--	--	--	--	--	--	--	--	--	--
MW-24	08/22/02	96.02	8.35	87.67	**2,300**	< 250	< 750 a	**230**	4.0	130	103	--	--	--	--	--	--	--	--	--	--	--
MW-24	12/03/02	96.02	8.73	87.29	**1,600**	< 250	< 750 a	**180**	< 1	89	63	--	--	--	--	--	--	--	--	--	--	--
MW-24	03/06/03	96.02	7.32	88.70	**3,500**	**23,000**	< 12,000 a	**930**	19	400	300	--	--	--	--	--	--	--	--	--	--	--
MW-24	06/12/03	96.02	8.90	87.12	**3,400**	< 250	< 500	**840**	14	400	232	--	--	--	--	--	--	--	--	--	--	--

TABLE 2

SUMMARY OF GROUNDWATER MONITORING DATA
SHELL-BRANDED WHOLESALE FACILITY
210 NORTHEAST 45TH STREET
SEATTLE, WASHINGTON

					HYDROCARBONS			*PRIMARY VOCs*						*OXYGENATES*					*LEAD*		*PAHs*	
Sample ID	***Date***	***TOC***	***DTW***	***GWE***	***TPHg***	***TPHd***	***TPHo***	***B***	***T***	***E***	***X***	***EDB***	***EDC***	***MTBE***	***TAME***	***TBA***	***DIPE***	***ETBE***	***Total***	***Ethanol***	***Naphthalenes***	***CPAHs***
			MTCA Method A Cleanup Levels		800/1000 ug/L	500 ug/L	500 ug/L	5 ug/L	1000 ug/L	700 ug/L	1000 ug/L	0.01 ug/L	5 ug/L	20 ug/L	NE ug/L	NE ug/L	NE ug/L	NE ug/L	15 ug/L	NE ug/L	160 ug/L	0.1 ug/L
MW-24	09/16/03	96.02	10.26	85.76	**1,500**	< 250	< 500	**150**	3.5	99	72	--	--	--	--	--	--	--	--	--	--	--
MW-24	12/17/03	96.02	7.10	88.92	**2,600**	320	< 500	**930**	13	300	120	--	--	--	--	--	--	--	--	--	--	--
MW-24	03/23/04	96.02	6.98	89.04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-24	07/07/04	96.02	7.77	88.25	**4,500**	**3,900**	< 2,500 a	**800**	13	430	160	--	--	--	--	--	--	--	--	--	--	--
MW-24	09/15/04	96.02	8.14	87.88	**2,500**	**3,100**	**700**	**520**	7	230	97	--	--	--	--	--	--	--	--	--	--	--
MW-24	12/13/04	96.02	7.23	88.79	**4,000**	340	**650**	**830**	15	310	140	--	--	--	--	--	--	--	--	--	--	--
MW-24	03/15/05	96.02	7.54	88.48	Sheen present in well; no sample taken.																	
MW-24	06/13/05	96.02	7.47	88.55	Sheen present in well; no sample taken.																	
MW-24	09/27/05	96.02	8.59	87.43	Sheen present in well; no sample taken.																	
MW-24	12/19/05	96.02	7.87	88.15	Sheen present in well; no sample taken.																	
MW-24	03/20/06	96.02	6.72	89.30	Sheen present in well; no sample taken.																	
MW-24	05/02/06	96.02	7.02	89.00	Sheen present in well; no sample taken.																	
MW-24	12/08/06	96.02	7.02	89.00	**3,960**	**17,100**	**16,500**	**800**	<50.0	341	<300	--	--	--	--	--	--	--	--	--	--	--
MW-24	03/08/07	96.02	8.09	87.93	574	**576**	**1,670**	1.12	<0.500	3.32	<3.00	--	--	--	--	--	--	--	--	--	--	--
MW-24	06/27/07	96.02	7.57	88.45	**3,190**	**800**	**1,040**	**587**	6.76	180	35.1	--	--	--	--	--	--	--	--	--	--	--
MW-24	09/26/07	96.02	8.49	87.53	**2,770**	380	**1,320**	**188**	7.05	278	51.8	--	--	<5.00	<1.00	<50.0	<1.00	<1.00	--	<250	--	--
MW-24	12/27/07	96.02	7.09	88.93	**2,940 c**	**2,430 d**	**8,010**	**297**	7.46	130	28.7	--	--	--	--	--	--	--	--	--	--	--
MW-24	03/27/08	96.02	7.29	88.73	**3,700**	**1,200**	**3,700**	**490**	<10	220	69	--	--	<10	<10	<50	<10	<10	--	--	--	--
MW-24	06/25/08	96.02	7.84	88.18	**4,700**	**850**	**2,500**	**570**	11	300	77	--	--	<10	--	--	--	--	--	--	--	--
MW-24	10/01/08	96.02	8.49	87.53	**1,000**	<250	<500	**25**	2	3.8	5.7	--	--	<1	--	--	--	--	--	--	--	--
MW-24	12/11/08	96.02	9.80	86.22	**2,900**	<250	<500	**380**	11	150	26	--	--	--	--	--	--	--	--	--	--	--
MW-24	03/10/09	96.02	--	--	Not Sampled - Construction																	
MW-24	05/27/09	96.02	7.10	88.92	**3,100**	<100	<100	**260**	<5.0	130	23	--	--	<5.0	<10	<50	<10	<10	--	--	--	--
MW-24	09/01/09	96.02	8.67	87.35	**8,300**	**540**	<100	**8.3**	<2.0	15	9.7	--	--	--	--	--	--	--	--	--	--	--
MW-24	12/04/09	96.02	7.10	88.92	**1,100**	**1,400**	**670**	**130**	2.9	90	10	<0.010	<0.50	--	--	--	--	--	--	--	--	--
MW-24	02/18/10	96.02	6.57	89.45	130	<100	<100	**16**	<1.0	4.8	<1.0	<0.010	<0.50	<1.0	<2.0	<10	<2.0	<2.0	--	--	1.71	<0.10
MW-24	05/05/10	96.02	7.02	89.00	<100	<100	<100	3	<1.0	<1.0	<1.0	--	--	<1.0	--	--	--	--	1.55	--	<0.10	<0.10
MW-24	08/17/10	96.02	8.10	87.92	**950 g**	310 g	<100	**58**	4.1	67	5.2	--	--	--	--	--	--	--	--	--	--	--
MW-24	12/16/10	96.02	6.35	89.67	<100	<100	290	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
MW-24	02/25/11	96.02	6.90	89.12	**3,220**	**1,590**	**9,350**	**48.3**	2.65	71.7	12.9	--	--	<1.00	<1.00	<20.0	<1.00	<1.00	--	--	--	--
MW-24	08/11/11	96.02	8.01	88.01	**1,900**	277	<250	**124**	5.12	109	17.5	--	--	--	--	--	--	--	--	--	--	--
MW-24	02/07/12	96.02	6.75	89.27	147	<95.2	<238	**15.1**	<1.00	12.3	<3.00	--	--	<1.00	<1.00	<10.0	<1.00	<1.00	--	--	--	--
MW-24	07/31/12	96.02	7.58	88.44	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

SUMMARY OF GROUNDWATER MONITORING DATA
SHELL-BRANDED WHOLESALE FACILITY
210 NORTHEAST 45TH STREET
SEATTLE, WASHINGTON

					HYDROCARBONS			PRIMARY VOCs						OXYGENATES					LEAD		PAHs	
Sample ID	**Date**	**TOC**	**DTW**	**GWE**	**TPHg**	**TPHd**	**TPHo**	**B**	**T**	**E**	**X**	**EDB**	**EDC**	**MTBE**	**TAME**	**TBA**	**DIPE**	**ETBE**	**Total**	**Ethanol**	**Naphthalenes**	**CPAHs**
			MTCA Method A Cleanup Levels		800/1000 ug/L	500 ug/L	500 ug/L	5 ug/L	1000 ug/L	700 ug/L	1000 ug/L	0.01 ug/L	5 ug/L	20 ug/L	NE ug/L	NE ug/L	NE ug/L	NE ug/L	15 ug/L	NE ug/L	160 ug/L	0.1 ug/L
MW-24	08/01/12	96.02	--	--	**1,300**	438	<94.3	**107**	6.10	115	18.6	--	--	--	--	--	--	--	--	--	--	--
MW-25	04/10/97	93.18	6.85	86.33	246	311	--	**8.27**	3.0	29	21	--	--	--	--	--	--	--	--	--	--	--
MW-25	07/24/97	93.18	7.43	85.75	283	353	--	**8.46**	3.3	29	18	--	--	--	--	--	--	--	--	--	--	--
MW-25	11/06/97	93.18	--	--	< 50	< 250	--	4.18	0.59	3.3	2.3	--	--	--	--	--	--	--	--	--	--	--
MW-25	01/27/98	96.99	6.09	90.90	< 50	< 250	--	3.76	< 0.5	1.2	1.1	--	--	--	--	--	--	--	--	--	--	--
MW-25	04/29/98	96.99	7.18	89.81	248	< 250	--	2.48	1.4	19	12	--	--	--	--	--	--	--	--	--	--	--
MW-25	07/28/98	96.99	8.16	88.83	304	< 250	--	**5.88**	2.8	28	16	--	--	--	--	--	--	--	--	--	--	--
MW-25	10/21/98	96.99	8.08	88.91	172	< 250	--	0.923	2.4	19	19	--	--	--	--	--	--	--	--	--	--	--
MW-25	01/20/99	96.99	6.05	90.94	< 50	< 250	--	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-25	04/22/99	96.99	8.07	88.92	< 50	< 250	--	< 0.5	< 0.5	< 0.55	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-25	07/21/99	96.99	8.81	88.18	53	< 250	--	< 0.5	< 0.5	3.6	2.3	--	--	--	--	--	--	--	--	--	--	--
MW-25	10/26/99	96.99	9.61	87.38	< 50	**1,090**	--	< 0.5	< 0.5	1.2	1.3	--	--	--	--	--	--	--	--	--	--	--
MW-25	02/23/00	96.99	7.73	89.26	< 50	< 250	--	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-25	05/31/00	96.99	8.43	88.56	77	< 250	--	1.21	< 0.5	1.1	1.5	--	--	--	--	--	--	--	--	--	--	--
MW-25	08/22/00	96.99	8.46	88.53	168	< 473	--	0.95	1.4	15	7.8	--	--	--	--	--	--	--	--	--	--	--
MW-25	11/08/00	96.99	7.16	89.83	< 50	< 293	< 585 a	< 0.5	< 0.5	0.65	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-25	02/14/01	97.15	7.75	89.40	85	< 250	< 500	< 0.5	0.67	6.8	5.6	--	--	--	--	--	--	--	--	--	--	--
MW-25	04/19/01	97.15	7.34	89.81	< 50	< 250	< 500	< 0.5	< 0.5	1.6	1.5	--	--	--	--	--	--	--	--	--	--	--
MW-25	08/07/01	97.15	8.24	88.91	65	< 250	< 500	< 0.5	< 0.5	3.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-25	11/01/01	97.15	8.03	89.12	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-25	03/20/02	97.15	6.61	90.54	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-25	05/14/02	97.15	7.48	89.67	234	< 250	< 500	0.754	0.84	17	14	--	--	--	--	--	--	--	--	--	--	--
MW-25	08/22/02	97.15	8.30	88.85	< 250	< 250	< 750 a	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-25	12/03/02	97.15	8.44	88.71	< 250	< 250	< 750 a	< 1	< 1	2.1	2.5	--	--	--	--	--	--	--	--	--	--	--
MW-25	03/06/03	97.15	7.45	89.70	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-25	06/12/03	97.15	9.16	87.99	< 250	< 250	< 500	< 1	1.2	14	2.2	--	--	--	--	--	--	--	--	--	--	--
MW-25	09/16/03	97.15	8.68	88.47	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-25	12/17/03	97.15	6.90	90.25	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-25	03/23/04	97.15	7.17	89.98	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-25	07/07/04	97.15	7.87	89.28	< 250	< 250	< 500	< 1	< 1	9	1.4	--	--	--	--	--	--	--	--	--	--	--
MW-25	09/15/04	97.15	8.02	89.13	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-25	12/13/04	97.15	6.90	90.25	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-25	03/05/05	97.15	7.65	89.50	< 250	< 250	< 500	< 1	< 1	5.5	< 1	--	--	--	--	--	--	--	--	--	--	--

TABLE 2

SUMMARY OF GROUNDWATER MONITORING DATA
SHELL-BRANDED WHOLESALE FACILITY
210 NORTHEAST 45TH STREET
SEATTLE, WASHINGTON

					HYDROCARBONS			PRIMARY VOCs						OXYGENATES					LEAD		PAHs	
Sample ID	*Date*	*TOC*	*DTW*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*EDB*	*EDC*	*MTBE*	*TAME*	*TBA*	*DIPE*	*ETBE*	*Total*	*Ethanol*	*Naphthalenes*	*CPAHs*
			MTCA Method A Cleanup Levels		800/1000	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
					ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-25	06/13/05	97.15	7.66	89.49	84	< 250	< 500	< 1	< 1	2.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-25	09/27/05	97.15	8.55	88.60	53	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-25	12/19/05	97.15	7.90	89.25	54.2	< 240	< 481	< 0.500	< 0.500	0.800	< 1.00	--	--	--	--	--	--	--	--	--	--	--
MW-25	03/20/06	97.15	6.93	90.22	< 50.0	< 236	< 472	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	--	--	--	--	--	--	--	--
MW-25	05/02/06	97.15	7.32	89.83	< 50.0	258	< 472	< 0.500	< 0.500	0.563	< 1.00	--	--	--	--	--	--	--	--	--	--	--
MW-25	12/08/06	97.15	7.33	89.82	<50.0	<248	<495	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
MW-25	03/08/07	97.15	7.72	89.43	<50.0	<245	<490	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
MW-25	06/27/07	97.15	7.83	89.32	74.0	<240	<481	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
MW-25	09/26/07	97.15	8.63	88.52	<50.0	<236	<472	<0.500	<0.500	<0.500	<3.00	--	--	<5.00	<1.00	<50.0	<1.00	<1.00	--	<250	--	--
MW-25	12/27/07	97.15	7.08	90.07	<50.0	<236	<472	0.63	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
MW-25	03/27/08	97.15	7.07	90.08	<50	<250	<500	<1	<1	<1	<1	--	--	<1	<1	<5	<1	<1	--	--	--	--
MW-25	06/25/08	97.15	7.93	89.22	<50	<250	<500	<1	<1	<1	<1	--	--	<1	--	--	--	--	--	--	--	--
MW-25	10/01/08	97.15	8.51	88.64	54	<250	<500	<1	<1	<1	<1	--	--	<1	--	--	--	--	--	--	--	--
MW-25	12/11/08	97.15	8.01	89.14	<50	<250	<500	<1	<1	<1	<1	--	--	--	--	--	--	--	--	--	--	--
MW-25	03/10/09	97.15	7.34	89.81	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	<1.0	<2.0	<10	<2.0	<2.0	--	--	--	--
MW-25	05/27/09	97.15	7.36	89.79	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
MW-25	09/01/09	97.15	8.64	88.51	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
MW-25	12/03/09	97.15	7.16	89.99	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	<0.010	<0.50	--	--	--	--	--	--	--	--	--
MW-25	02/18/10	97.15	6.26	90.89	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	<0.010	<0.50	<1.0	<2.0	<10	<2.0	<2.0	--	--	--	--
MW-25	05/05/10	97.15	7.19	89.96	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	<1.0	--	--	--	--	--	--	<0.10	<0.10
MW-25	08/17/10	97.15	8.16	88.99	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
MW-25	12/16/10	97.15	6.11	91.04	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
MW-25	02/25/11	97.15	6.74	90.41	<100	<97.1	188	<1.00	<1.00	<1.00	<3.00	--	--	<1.00	<1.00	<20.0	<1.00	<1.00	--	--	--	--
MW-25	08/11/11	97.15	8.14	89.01	<100	<100	<250	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--	--	--
MW-25	02/07/12	97.15	6.81	90.34	<100	<95.2	<238	<1.00	<1.00	<1.00	<3.00	--	--	<1.00	<1.00	<10.0	<1.00	<1.00	--	--	--	--
MW-25	07/31/12	97.15	7.77	89.38	<100	135	<94.3	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--	--	--
MW-29	07/24/98	85.77	8.61	77.16	< 50	**559**	--	1.11	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-29	07/24/97	85.77	--	--	< 50	< 250	--	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-29	11/06/97	85.77	--	--	< 50	< 250	--	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-29	01/27/98	89.57	7.14	82.43	< 50	< 250	--	< 0.5	0.55	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-29	04/29/98	89.57	8.39	81.18	< 50	< 250	--	0.64	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-29	07/28/98	89.57	9.17	80.40	< 50	< 250	--	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-29	10/21/98	89.57	9.42	80.15	< 50	< 250	--	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--

TABLE 2

SUMMARY OF GROUNDWATER MONITORING DATA
SHELL-BRANDED WHOLESALE FACILITY
210 NORTHEAST 45TH STREET
SEATTLE, WASHINGTON

					HYDROCARBONS			PRIMARY VOCs						OXYGENATES					LEAD		PAHs	
Sample ID	*Date*	*TOC*	*DTW*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*EDB*	*EDC*	*MTBE*	*TAME*	*TBA*	*DIPE*	*ETBE*	*Total*	*Ethanol*	*Naphthalenes*	*CPAHs*
			MTCA Method A Cleanup Levels		800/1000	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
					ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-29	01/20/99	89.57	7.01	82.56	< 50	< 250	--	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-29	04/22/99	89.57	9.18	80.39	< 50	< 250	--	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-29	07/21/99	89.57	9.75	79.82	< 50	< 250	--	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-29	10/26/99	89.57	10.28	79.29	< 50	< 250	--	< 0.5	< 0.5	< 0.5	1.4	--	--	--	--	--	--	--	--	--	--	--
MW-29	02/23/00	89.57	8.87	80.70	< 50	< 292	--	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-29	05/31/00	89.57	9.56	80.01	< 50	< 250	--	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-29	08/22/00	89.57	9.31	80.26	< 50	< 296	--	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-29	11/08/00	89.57	8.67	80.90	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-29	02/14/01	89.74	8.52	81.22	< 50	476	< 500	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-29	04/19/01	89.74	8.47	81.27	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-29	08/07/01	89.74	9.19	80.55	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-29	11/01/01	89.74	8.81	80.93	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-29	03/20/02	89.74	8.07	81.67	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-29	05/14/02	89.74	8.63	81.11	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-29	08/22/02	89.74	9.29	80.45	< 250	< 250	< 750 a	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-29	12/03/02	89.74	9.32	80.42	< 250	< 250	< 750 a	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-29	03/06/03	89.74	8.49	81.25	< 250	< 6,200 a	390	< 1	< 1	1.5	1.1	--	--	--	--	--	--	--	--	--	--	--
MW-29	06/12/03	89.74	10.11	79.63	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-29	09/16/03	89.74	9.53	80.21	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-29	12/17/03	89.74	7.94	81.80	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-29	03/23/04	89.74	8.39	81.35	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-29	07/07/04	89.74	8.97	80.77	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-29	09/15/04	89.74	9.11	80.63	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-29	12/13/04	89.74	7.73	82.01	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-29	03/15/05	89.74	8.63	81.11	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-29	06/13/05	89.74	8.63	81.11	< 50	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-29	09/27/05	89.74	9.44	80.30	< 50	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
MW-29	12/19/05	89.74	8.73	81.01	< 50.0	< 240	< 481	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	--	--	--	--	--	--	--	--
MW-29	03/20/06	89.74	8.18	81.56	< 50.0	< 236	< 472	1.15	< 0.500	1.50	2.06	--	--	--	--	--	--	--	--	--	--	--
MW-29	05/02/06	89.74	8.40	81.34	< 50.0	< 238	< 476	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	--	--	--	--	--	--	--	--
MW-29	12/08/06	89.74	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-29	03/08/07	89.74	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-29	06/27/07	89.74	8.57	81.17	<50.0	<240	<481	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--

TABLE 2

SUMMARY OF GROUNDWATER MONITORING DATA
SHELL-BRANDED WHOLESALE FACILITY
210 NORTHEAST 45TH STREET
SEATTLE, WASHINGTON

					HYDROCARBONS			PRIMARY VOCs						OXYGENATES					LEAD		PAHs	
Sample ID	*Date*	*TOC*	*DTW*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*EDB*	*EDC*	*MTBE*	*TAME*	*TBA*	*DIPE*	*ETBE*	*Total*	*Ethanol*	*Naphthalenes*	*CPAHs*
			MTCA Method A Cleanup Levels		800/1000 ug/L	500 ug/L	500 ug/L	5 ug/L	1000 ug/L	700 ug/L	1000 ug/L	0.01 ug/L	5 ug/L	20 ug/L	NE ug/L	NE ug/L	NE ug/L	NE ug/L	15 ug/L	NE ug/L	160 ug/L	0.1 ug/L
MW-29	09/26/07	89.74	9.11	80.63	<50.0	<236	<472	<0.500	<0.500	<0.500	<3.00	--	--	<5.00	<1.00	<50.0	<1.00	<1.00	--	<250	--	--
MW-29	12/27/07	89.74	7.74	82.00	<50.0	<236	<472	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
MW-29	03/27/08	89.74	7.78	81.96	<50	<250	<500	<1	<1	<1	<1	--	--	<1	<1	<5	<1	<1	--	--	--	--
MW-29	06/25/08	89.74	8.65	81.09	<50	<250	<500	<1	<1	<1	<1	--	--	<1	--	--	--	--	--	--	--	--
MW-29	10/01/08	89.74	9.12	80.62	<50	<250	<500	<1	<1	<1	<1	--	--	<1	--	--	--	--	--	--	--	--
MW-29	12/11/08	89.74	8.58	81.16	<50	<250	<500	<1	<1	<1	<1	--	--	--	--	--	--	--	--	--	--	--
MW-29	03/10/09	89.74	8.09	81.65	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	<1.0	<2.0	<10	<2.0	<2.0	--	--	--	--
MW-29	05/27/09	89.74	7.95	81.79	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
MW-29	09/01/09	89.74	8.85	80.89	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
MW-29	12/03/09	89.74	7.60	82.14	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	<0.010	<0.50	--	--	--	--	--	--	--	--	--
MW-29	02/18/10	89.74	7.28	82.46	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	<0.010	<0.50	<1.0	<2.0	<10	<2.0	<2.0	--	--	<0.10	<0.10
MW-29	05/05/10	89.74	7.82	81.92	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	<1.0	--	--	--	--	--	--	<0.10	<0.10
MW-29	08/23/10	89.74	8.89	80.85	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
MW-29	12/16/10	89.74	6.70	83.04	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
MW-29	02/25/11	89.74	7.47	82.27	<100	<97.1	157	<1.00	<1.00	<1.00	<3.00	--	--	<1.00	<1.00	<20.0	<1.00	<1.00	--	--	--	--
MW-29	08/11/11	89.74	8.90	80.84	<100	<100	<250	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--	--	--
MW-29	02/07/12	89.74	7.68	82.06	<100	<95.2	<238	<1.00	<1.00	<1.00	<3.00	--	--	<1.00	<1.00	<10.0	<1.00	<1.00	--	--	--	--
MW-29	07/31/12	89.74	8.44	81.30	<100	<94.3	<94.3	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--	--	--
VP-1	12/03/02	98.45	10.72	87.73	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-1	03/06/03	98.45	9.26	89.19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-1	06/12/03	98.45	9.64	88.81	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-1	09/16/03	98.45	11.02	87.43	260	**620**	< 500	2.4	< 1	1.2	6.6	--	--	--	--	--	--	--	--	--	--	--
VP-1	12/17/03	98.45	8.08	90.37	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-1	03/23/04	98.45	7.14	91.31	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-1	07/07/04	98.45	8.54	89.91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-1	09/15/04	98.45	9.25	89.20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-1	12/13/04	98.45	8.40	90.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-1	03/15/05	98.45	8.36	90.09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-1	06/13/05	98.45	8.37	90.08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-1	09/27/05	98.45	9.63	88.82	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-1	12/19/05	98.45	8.97	89.48	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-1	03/20/06	98.45	6.66	91.79	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-1	05/02/06	98.45	7.43	91.02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 2

SUMMARY OF GROUNDWATER MONITORING DATA
SHELL-BRANDED WHOLESALE FACILITY
210 NORTHEAST 45TH STREET
SEATTLE, WASHINGTON

					HYDROCARBONS			PRIMARY VOCs						OXYGENATES					LEAD		PAHs	
Sample ID	*Date*	*TOC*	*DTW*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*EDB*	*EDC*	*MTBE*	*TAME*	*TBA*	*DIPE*	*ETBE*	*Total*	*Ethanol*	*Naphthalenes*	*CPAHs*
			MTCA Method A Cleanup Levels		800/1000	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
					ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VP-1	12/08/06	98.45	6.22	92.23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-1	03/08/07	98.45	8.40	90.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-1	06/27/07	98.45	8.22	90.23	<50.0	<240	<481	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
VP-1	09/26/07	98.45	9.55	88.90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-1	12/27/07	98.45	7.20	91.25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-1	03/27/08	98.45	7.36	91.09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-1	06/25/08	98.45	6.52	91.93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-1	10/01/08	98.45	8.93	89.52	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-1	12/11/08	98.45	8.44	90.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-1	03/10/09	98.45	7.48	90.97	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-1	05/27/09	98.45	7.29	91.16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-1	09/01/09	98.45	9.18	89.27	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-1	12/03/09	98.45	14.19	84.26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-1	02/18/10	98.45	6.14	92.31	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	<0.010	<0.50	<1.0	<2.0	<10	<2.0	<2.0	--	--	<0.10	<0.10
VP-1	05/04/10	98.45	7.81	90.64	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	<0.10	<0.10
VP-1	08/17/10	98.45	8.39	90.06	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
VP-1	12/16/10	98.45	6.33	92.12	<100	100	<100	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
VP-1	02/25/11	98.45	6.51	91.94	<100	<96.2	<96.2	<1.00	<1.00	<1.00	<3.00	--	--	<1.00	<1.00	<20.0	<1.00	<1.00	--	--	--	--
VP-1	08/11/11	98.45	8.51	89.94	<100	<97.1	<243	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--	--	--
VP-1	02/07/12	98.45	7.46	90.99	<100	<98.0	<245	<1.00	<1.00	<1.00	<3.00	--	--	<1.00	<1.00	<10.0	<1.00	<1.00	--	--	--	--
VP-1	07/31/12	98.45	8.26	90.19	<100	**613**	<94.3	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--	--	--
VP-1	01/22/13	98.45	6.01	92.44	<100	109	<95.2	<1.00	<1.00	<1.00	<3.00	--	--	<1.00	<1.00	<10.0	<2.00	<1.00	--	--	--	--
VP-1	08/07/13	98.45	8.71	89.74	<100	285	233	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--	--	--
VP-2	04/10/97	93.77	6.31	87.46	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	07/24/97	93.77	7.85	85.92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	01/27/98	97.58	9.00	88.58	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	04/29/98	97.58	9.55	88.03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	07/28/98	97.58	10.07	87.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	10/21/98	97.58	9.86	87.72	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	01/20/99	97.58	8.12	89.46	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	04/22/99	97.58	7.09	90.49	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	07/21/99	97.58	8.92	88.66	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	10/26/99	97.58	12.67	84.91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 2

SUMMARY OF GROUNDWATER MONITORING DATA
SHELL-BRANDED WHOLESALE FACILITY
210 NORTHEAST 45TH STREET
SEATTLE, WASHINGTON

					HYDROCARBONS			PRIMARY VOCs						OXYGENATES					LEAD		PAHs	
Sample ID	*Date*	*TOC*	*DTW*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*EDB*	*EDC*	*MTBE*	*TAME*	*TBA*	*DIPE*	*ETBE*	*Total*	*Ethanol*	*Naphthalenes*	*CPAHs*
			MTCA Method A Cleanup Levels		800/1000 ug/L	500 ug/L	500 ug/L	5 ug/L	1000 ug/L	700 ug/L	1000 ug/L	0.01 ug/L	5 ug/L	20 ug/L	NE ug/L	NE ug/L	NE ug/L	NE ug/L	15 ug/L	NE ug/L	160 ug/L	0.1 ug/L
VP-2	02/23/00	97.58	8.24	89.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	05/31/00	97.58	8.46	89.12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	08/22/00	97.58	9.94	87.64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	11/08/00	97.58	9.47	88.11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	02/14/01	97.73	9.19	88.54	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	04/19/01	97.73	8.51	89.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	08/07/01	97.73	9.82	87.91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	11/01/01	97.73	10.32	87.41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	03/20/02	97.73	8.07	89.66	202	**2,560**	< 500	**41.3**	3.5	1.2	4.6	--	--	--	--	--	--	--	--	--	--	--
VP-2	05/14/02	97.73	8.06	89.67	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	08/22/02	97.73	8.91	88.82	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	12/03/02	97.73	10.45	87.28	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	03/06/03	97.73	9.10	88.63	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	06/11/03	97.73	9.38	88.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	09/16/03	97.73	10.82	86.91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	12/17/03	97.73	7.89	89.84	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	03/23/04	97.73	6.85	90.88	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	07/07/04	97.73	8.28	89.45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	09/15/04	97.73	9.02	88.71	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	12/13/04	97.73	8.41	89.32	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	03/15/05	97.73	8.04	89.69	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	06/13/05	97.73	8.09	89.64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	09/27/05	97.73	9.34	88.39	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	12/19/05	97.73	8.70	89.03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	03/20/06	97.73	6.31	91.42	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	05/02/06	97.73	7.09	90.64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	12/08/06	97.73	6.18	91.55	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	03/08/07	97.73	8.14	89.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	06/27/07	97.73	7.88	89.85	334	<240	<481	**19.4**	0.520	1.13	<3.00	--	--	--	--	--	--	--	--	--	--	--
VP-2	09/26/07	97.73	9.23	88.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	12/27/07	97.73	6.80	90.93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	03/27/08	97.73	7.02	90.71	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	06/25/08	97.73	6.63	91.10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 2

SUMMARY OF GROUNDWATER MONITORING DATA
SHELL-BRANDED WHOLESALE FACILITY
210 NORTHEAST 45TH STREET
SEATTLE, WASHINGTON

					HYDROCARBONS			PRIMARY VOCs						OXYGENATES					LEAD		PAHs	
Sample ID	*Date*	*TOC*	*DTW*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*EDB*	*EDC*	*MTBE*	*TAME*	*TBA*	*DIPE*	*ETBE*	*Total*	*Ethanol*	*Naphthalenes*	*CPAHs*
			MTCA Method A Cleanup Levels		800/1000	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
					ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VP-2	10/01/08	97.73	9.45	88.28	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	12/11/08	97.73	8.14	89.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	03/10/09	97.73	7.16	90.57	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	05/27/09	97.73	6.99	90.74	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	09/01/09	97.73	8.89	88.84	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	12/03/09	97.73	7.01	90.72	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	02/18/10	97.73	6.12	91.61	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	05/04/10	97.73	6.78	90.95	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
VP-2	08/17/10	97.73	8.09	89.64	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
VP-2	12/16/10	97.73	6.00	91.73	<100	160 g	<100	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
VP-2	02/25/11	97.73	6.11	91.62	<100	136	120	<1.00	<1.00	<1.00	<3.00	--	--	<1.00	<1.00	<20.0	<1.00	<1.00	--	--	--	--
VP-2	08/11/11	97.73	8.12	89.61	<100	<100	<250	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--	--	--
VP-2	02/07/12	97.73	7.19	90.54	<100	166	<240	<1.00	<1.00	<1.00	<3.00	--	--	<1.00	<1.00	<10.0	<1.00	<1.00	--	--	--	--
VP-2	07/31/12	97.73	7.92	89.81	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-2	08/01/12	97.73	--	--	<100	195	<94.3	<1.00	<1.00	<1.00	<3.00	--	--	--	--	--	--	--	--	--	--	--
VP-2	01/22/13	97.73	5.69	92.04	<100	262	<95.2	<1.00	<1.00	<1.00	<3.00	--	--	<1.00	<1.00	<10.0	<2.00	<1.00	--	--	--	--
VP-2	08/07/13	97.73	8.40	89.33	<100	139	<100	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--	--	--
VP-3	04/10/97	93.80	6.72	87.08	**821**	**1,100**	--	**26.7**	5.5	1.05	10.6	--	--	--	--	--	--	--	--	--	--	--
VP-3	07/24/97	93.80	8.50	85.30	**1,380**	**5,040**	--	**25**	3.58	1.32	8.6	--	--	--	--	--	--	--	--	--	--	--
VP-3	11/06/97	93.80	--	--	**1,130**	**1,760**	--	**436**	7.89	1.82	11.7	--	--	--	--	--	--	--	--	--	--	--
VP-3	01/27/98	97.61	6.66	90.95	**1,950**	**2,230**	--	**968**	10.3	3.32	17.4	--	--	--	--	--	--	--	--	--	--	--
VP-3	04/29/98	97.61	9.37	88.24	**3,860**	**2,100**	--	**1820**	74.3	7.51	18.9	--	--	--	--	--	--	--	--	--	--	--
VP-3	07/28/98	97.61	11.47	86.14	**1,670**	**4,460**	--	**729**	< 10	< 10	< 20	--	--	--	--	--	--	--	--	--	--	--
VP-3	10/21/98	97.61	10.55	87.06	**6,280**	**9,910**	--	**817**	46.8	13.8	29.3	--	--	--	--	--	--	--	--	--	--	--
VP-3	01/20/99	97.61	8.66	88.95	**2,890**	**1,340**	--	**259**	31.8	5.82	34.2	--	--	--	--	--	--	--	--	--	--	--
VP-3	04/22/99	97.61	7.63	89.98	604	< 250	--	**10.5**	1.22	< 0.62	< 3.5	--	--	--	--	--	--	--	--	--	--	--
VP-3	07/21/99	97.61	9.48	88.13	568	371	--	**12.5**	< 0.5	< 0.56	< 2.76	--	--	--	--	--	--	--	--	--	--	--
VP-3	10/26/99	97.61	11.41	86.20	**2,970**	**521**	--	**92.9**	3.28	2.5	10.3	--	--	--	--	--	--	--	--	--	--	--
VP-3	02/23/00	97.61	8.88	88.73	**7,950**	**4,840**	--	**1100**	32.2	< 25	< 50	--	--	--	--	--	--	--	--	--	--	--
VP-3	05/31/00	97.61	9.06	88.55	**4,310**	**3,680**	--	**301**	8.74	17.3	26.1	--	--	--	--	--	--	--	--	--	--	--
VP-3	08/22/00	97.61	11.03	86.58	**4,360**	**887**	--	**271**	< 5	8.49	11.7	--	--	--	--	--	--	--	--	--	--	--
VP-3	11/08/00	97.61	10.24	87.37	**8,920**	**2,820**	< 597 a	**1610**	**1,040**	53.2	222	--	--	--	--	--	--	--	--	--	--	--
VP-3	02/14/01	97.75	9.85	87.90	**3,640**	**2,390**	< 500	**179**	24.2	8.55	< 26	--	--	--	--	--	--	--	--	--	--	--

TABLE 2

SUMMARY OF GROUNDWATER MONITORING DATA
SHELL-BRANDED WHOLESALE FACILITY
210 NORTHEAST 45TH STREET
SEATTLE, WASHINGTON

					HYDROCARBONS			PRIMARY VOCs						OXYGENATES					LEAD		PAHs	
Sample ID	*Date*	*TOC*	*DTW*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*EDB*	*EDC*	*MTBE*	*TAME*	*TBA*	*DIPE*	*ETBE*	*Total*	*Ethanol*	*Naphthalenes*	*CPAHs*
			MTCA Method A Cleanup Levels		800/1000 ug/L	500 ug/L	500 ug/L	5 ug/L	1000 ug/L	700 ug/L	1000 ug/L	0.01 ug/L	5 ug/L	20 ug/L	NE ug/L	NE ug/L	NE ug/L	NE ug/L	15 ug/L	NE ug/L	160 ug/L	0.1 ug/L
VP-3	04/19/01	97.75	9.21	88.54	**2,590**	**5,690**	**1,040**	**186**	< 2.5	5.76	7.8	--	--	--	--	--	--	--	--	--	--	--
VP-3	08/07/01	97.75	10.99	86.76	**1,190**	**8,960**	**1,640**	**150**	13.4	< 2.5	6.5	--	--	--	--	--	--	--	--	--	--	--
VP-3	11/01/01	97.75	11.52	86.23	594	**3,010**	**729**	**31.6**	0.718	< 0.50	1.81	--	--	--	--	--	--	--	--	--	--	--
VP-3	03/20/02	97.75	9.08	88.67	**4,520**	**6,790**	**1,270**	**233**	< 5	16.9	15.2	--	--	--	--	--	--	--	--	--	--	--
VP-3	05/14/02	97.75	8.56	89.19	**3,220**	**8,730**	**2,310**	**46.2**	3.82	6.11	17.3	--	--	--	--	--	--	--	--	--	--	--
VP-3	08/22/02	97.75	9.55	88.20	**6,700**	**2,000**	< 750 a	**230**	3	10	9	--	--	--	--	--	--	--	--	--	--	--
VP-3	12/03/02	97.75	11.14	86.61	700	< 250	< 750 a	**35**	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
VP-3	03/06/03	97.75	10.23	87.52	**4,200**	**520**	< 500	**290**	5.2	18	5.5	--	--	--	--	--	--	--	--	--	--	--
VP-3	06/12/03	97.75	10.72	87.03	**6,300**	**670**	< 500	**340**	< 1	17	5.2	--	--	--	--	--	--	--	--	--	--	--
VP-3	09/16/03	97.75	11.90	85.85	**1,700**	< 250	< 500	**320**	190	1.5	29	--	--	--	--	--	--	--	--	--	--	--
VP-3	12/17/03	97.75	8.66	89.09	**1,000**	**2,200**	< 500	**75**	12	< 1	20.1	--	--	--	--	--	--	--	--	--	--	--
VP-3	03/23/04	97.75	7.44	90.31	**2,900**	**3,100**	< 500	**280**	15	4.7	15.5	--	--	--	--	--	--	--	--	--	--	--
VP-3 Dup	03/23/04	97.75	--	--	**2,800**	**3,700**	< 500	**280**	14	4.4	17	--	--	--	--	--	--	--	--	--	--	--
VP-3	07/07/04	97.75	8.99	88.76	710	**3,700**	< 500	**51**	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
VP-3	09/15/04	97.75	9.79	87.96	**830**	**11,000**	< 2,500 a	**160**	< 1	< 1	3	--	--	--	--	--	--	--	--	--	--	--
VP-3	12/13/04	97.75	9.24	88.51	510	**860**	< 500	**120**	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
VP-3	03/15/05	97.75	8.70	89.05	**2,400**	**1,400**	**550**	**250**	1.5	10	7.8	--	--	--	--	--	--	--	--	--	--	--
VP-3	06/13/05	97.75	8.70	89.05	**2,100**	**1,100**	< 500	**330**	1.5	9.1	4.5	--	--	--	--	--	--	--	--	--	--	--
VP-3	09/27/05	97.75	10.05	87.70	**1,400**	**550**	< 500	**300**	2.1	7.4	< 1	--	--	--	--	--	--	--	--	--	--	--
VP-3	12/19/05	97.75	10.27	87.48	**2,370**	**3,720**	< 485	**178**	11.1	9.06	8.66	--	--	--	--	--	--	--	--	--	--	--
VP-3 Dup	12/19/05	97.75	--	--	**2,140**	**4,120**	< 476	**173**	10.4	8.48	8.14	--	--	--	--	--	--	--	--	--	--	--
VP-3	03/20/06	97.75	6.81	90.94	**2,440**	**6,360**	< 943	**160**	22.3	2.99	13	--	--	--	--	--	--	--	--	--	--	--
VP-3	05/02/06	97.75	7.67	90.08	Sheen present in well; no sample taken.																	
VP-3	12/08/06	97.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-3	03/08/07	97.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-3	06/27/07	97.75	7.76	89.99	**3,630**	**795**	<481	**229**	1.24	11.4	<3.00	--	--	--	--	--	--	--	--	--	--	--
VP-3	09/26/07	97.75	9.24	88.51	**3,980**	**2,980**	**1,960**	**269**	0.580	12.8	<3.00	--	--	<5.00	<1.00	<50.0	<1.00	<1.00	--	<250	--	--
VP-3	12/27/07	97.75	6.60	91.15	**1,010 c**	**1,030 e**	**873**	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
VP-3	03/27/08	97.75	6.87	90.88	**--**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-3	06/25/08	97.75	6.05	91.70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-3	10/01/08	97.75	9.63	88.12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-3	12/11/08	97.75	7.94	89.81	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-3	03/10/09	97.75	6.98	90.77	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 2

SUMMARY OF GROUNDWATER MONITORING DATA
SHELL-BRANDED WHOLESALE FACILITY
210 NORTHEAST 45TH STREET
SEATTLE, WASHINGTON

					HYDROCARBONS			PRIMARY VOCs						OXYGENATES					LEAD		PAHs	
Sample ID	*Date*	*TOC*	*DTW*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*EDB*	*EDC*	*MTBE*	*TAME*	*TBA*	*DIPE*	*ETBE*	*Total*	*Ethanol*	*Naphthalenes*	*CPAHs*
			MTCA Method A Cleanup Levels		800/1000 ug/L	500 ug/L	500 ug/L	5 ug/L	1000 ug/L	700 ug/L	1000 ug/L	0.01 ug/L	5 ug/L	20 ug/L	NE ug/L	NE ug/L	NE ug/L	NE ug/L	15 ug/L	NE ug/L	160 ug/L	0.1 ug/L
VP-3	05/27/09	97.75	6.90	90.85	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-3	09/01/09	97.75	8.84	88.91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-3	12/03/09	97.75	6.93	90.82	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-3	02/18/10	97.75	5.65	92.10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-3	05/05/10	97.75	6.68	91.07	610	**760 g**	<100	**85**	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	2.3	<0.10
VP-3	08/17/10	97.75	8.09	89.66	**1,500 g**	**1,100 g**	<100	**120**	<1.0	3.9	<1.0	--	--	--	--	--	--	--	--	--	--	--
VP-3	12/16/10	97.75	5.96	91.79	610 g	**590 g**	<100	**42**	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
VP-3	02/25/11	97.75	5.90	91.85	**1,440**	**2,070**	**918**	**55.4**	<1.00	1.15	<3.00	--	--	<1.00	<1.00	<20.0	<1.00	<1.00	--	--	--	--
VP-3	08/11/11	97.75	8.20	89.55	**2,490**	**1,410**	<250	**129**	<1.00	2.46	<3.00	--	--	--	--	--	--	--	--	--	--	--
VP-3	02/07/12	97.75	7.16	90.59	**1,730**	**2,270**	<243	**50.3**	<1.00	2.11	<3.00	--	--	<1.00	<1.00	<10.0	<1.00	<1.00	--	--	--	--
VP-3	07/31/12	97.75	7.88	89.87	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-3	08/01/12	97.75	--	--	**1,980**	**1,980**	198	**70.2**	<1.00	3.81	<3.00	--	--	--	--	--	--	--	--	--	--	--
VP-3	01/22/13	97.75	5.42	92.33	**1,260**	**1,430**	110	**26.0**	<1.00	<1.00	<3.00	--	--	<1.00	<1.00	<10.0	<2.00	<1.00	--	--	--	--
VP-3	08/07/13	97.75	8.30	89.45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-4	12/03/02	97.24	10.64	86.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-4	03/06/03	97.24	9.05	88.19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-4	06/12/03	97.24	9.29	87.95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-4	09/16/03	97.24	10.98	86.26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-4	12/17/03	97.24	8.18	89.06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-4	03/23/04	97.24	6.57	90.67	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-4	07/07/04	97.24	8.38	88.86	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-4	09/15/04	97.24	9.31	87.93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-4	12/13/04	97.24	8.84	88.40	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-4	03/15/05	97.24	8.08	89.16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-4	06/13/05	97.24	8.15	89.09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-4	09/27/05	97.24	8.56	88.68	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-4	12/19/05	97.24	8.96	88.28	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-4	03/20/06	97.24	5.79	91.45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-4	05/02/06	97.24	6.83	90.41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-4	12/08/06	97.24	5.90	91.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-4	03/08/07	97.24	8.18	89.06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-4	06/27/07	97.24	7.80	89.44	<50.0	<240	<481	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
VP-4	09/26/07	97.24	9.41	87.83	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 2

SUMMARY OF GROUNDWATER MONITORING DATA
SHELL-BRANDED WHOLESALE FACILITY
210 NORTHEAST 45TH STREET
SEATTLE, WASHINGTON

					HYDROCARBONS			PRIMARY VOCs						OXYGENATES					LEAD		PAHs	
Sample ID	**Date**	**TOC**	**DTW**	**GWE**	**TPHg**	**TPHd**	**TPHo**	**B**	**T**	**E**	**X**	**EDB**	**EDC**	**MTBE**	**TAME**	**TBA**	**DIPE**	**ETBE**	**Total**	**Ethanol**	**Naphthalenes**	**CPAHs**
			MTCA Method A Cleanup Levels		800/1000 ug/L	500 ug/L	500 ug/L	5 ug/L	1000 ug/L	700 ug/L	1000 ug/L	0.01 ug/L	5 ug/L	20 ug/L	NE ug/L	NE ug/L	NE ug/L	NE ug/L	15 ug/L	NE ug/L	160 ug/L	0.1 ug/L
VP-4	12/27/07	97.24	6.70	90.54	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-4	03/27/08	97.24	6.68	90.56	<50	<250	<500	<1	<1	<1	<1	--	--	<1	<1	<5	<1	<1	--	--	--	--
VP-4	06/25/08	97.24	7.70	89.54	<50	<250	<500	<1	<1	<1	<1	--	--	<1	--	--	--	--	--	--	--	--
VP-4	10/01/08	97.24	9.14	88.10	<50	<250	<500	<1	<1	<1	<1	--	--	<1	--	--	--	--	--	--	--	--
VP-4	12/11/08	97.24	8.01	89.23	<50	<250	<500	<1	<1	<1	<1	--	--	--	--	--	--	--	--	--	--	--
VP-4	03/10/09	97.24	6.80	90.44	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-4	05/27/09	97.24	6.95	90.29	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-4	09/01/09	97.24	9.14	88.10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-4	12/03/09	97.24	6.83	90.41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-4	02/18/10	97.24	5.67	91.57	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	<0.010	<0.50	<1.0	<2.0	<10	<2.0	<2.0	--	--	<0.10	<0.10
VP-4	05/04/10	97.24	6.68	90.56	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-4	12/16/10	97.24	6.11	91.13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-4	02/25/11	97.24	5.83	91.41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-4	08/11/11	97.24	8.35	88.89	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-4	02/07/12	97.24	7.02	90.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-4	07/31/12	97.24	8.12	89.12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-4	01/22/13	97.24	5.83	91.41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-4	08/07/13	97.24	9.52	87.72	**1,070**	**2,150**	100	**38.0**	<1.00	1.17	<2.00	--	--	--	--	--	--	--	--	--	--	--
VP-5	04/10/97	93.10	6.72	86.38	**1,170**	**666**	--	1.99	0.569	2.41	2.93	--	--	--	--	--	--	--	--	--	--	--
VP-5	07/24/97	93.10	8.81	84.29	174	< 250	--	**7.13**	1.85	< 0.5	1	--	--	--	--	--	--	--	--	--	--	--
VP-5	11/06/07	93.10	--	--	111	< 250	--	**88.5**	1.63	< 0.5	3.14	--	--	--	--	--	--	--	--	--	--	--
VP-5	01/27/98	96.91	6.89	90.02	96.3	< 250	--	4.81	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
VP-5	04/29/98	96.91	17.92	78.99	< 50	< 250	--	**23.5**	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
VP-5	07/28/98	96.91	17.80	79.11	< 50	< 250	--	**5.17**	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
VP-5	10/21/98	96.91	10.92	85.99	< 50	**2,660**	--	**74.7**	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
VP-5	01/20/99	96.91	8.90	88.01	< 50	**2,460**	--	1.99	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
VP-5	04/22/99	96.91	8.89	88.02	< 50	**755**	--	1.18	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
VP-5	07/21/99	96.91	10.21	86.70	< 50	**673**	--	4.91	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
VP-5	10/26/99	96.91	11.85	85.06	< 50	< 306	--	1.16	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
VP-5	02/23/00	96.91	9.27	87.64	< 50	**1,330**	--	1.51	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
VP-5	05/31/00	96.91	9.32	87.59	152	**3,410**	--	**6.86**	0.93	< 0.5	2.09	--	--	--	--	--	--	--	--	--	--	--
VP-5	08/22/00	96.91	13.22	83.69	< 50	< 250	--	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
VP-5	11/08/00	96.91	10.65	86.26	< 50	< 295	< 590 a	2.06	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--

TABLE 2

SUMMARY OF GROUNDWATER MONITORING DATA
SHELL-BRANDED WHOLESALE FACILITY
210 NORTHEAST 45TH STREET
SEATTLE, WASHINGTON

					HYDROCARBONS			PRIMARY VOCs						OXYGENATES					LEAD		PAHs	
Sample ID	*Date*	*TOC*	*DTW*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*EDB*	*EDC*	*MTBE*	*TAME*	*TBA*	*DIPE*	*ETBE*	*Total*	*Ethanol*	*Naphthalenes*	*CPAHs*
			MTCA Method A Cleanup Levels		800/1000	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
					ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VP-5	02/14/01	97.07	10.15	86.92	< 50	481	< 500	1.34	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
VP-5	04/19/01	97.07	10.45	86.62	< 50	**1,360**	< 500	2.8	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
VP-5	08/07/01	97.07	17.37	79.70	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
VP-5	11/01/01	97.07	17.67	79.40	< 50	< 250	< 500	< 0.5	1.56	< 0.5	1.79	--	--	--	--	--	--	--	--	--	--	--
VP-5	03/20/02	97.07	15.56	81.51	< 50	< 250	< 500	< 0.5	< 0.5	< 0.5	< 1	--	--	--	--	--	--	--	--	--	--	--
VP-5	05/14/02	97.07	8.63	88.44	< 50	**1,100**	< 500	< 0.5	< 0.5	< 0.5	1.36	--	--	--	--	--	--	--	--	--	--	--
VP-5	08/22/02	97.07	9.94	87.13	< 250	< 250	< 750	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
VP-5	12/03/02	97.07	13.00	84.07	< 250	< 250	< 750	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
VP-5	03/06/03	97.07	17.20	79.87	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
VP-5	06/11/03	97.07	17.60	79.47	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
VP-5	09/16/03	97.07	14.00	83.07	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
VP-5	12/17/03	97.07	9.22	87.85	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
VP-5	03/23/04	97.07	7.72	89.35	< 250	260	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
VP-5	07/07/04	97.07	9.43	87.64	**1,100**	**1,100**	< 500	< 1	< 1	< 1	1.5	--	--	--	--	--	--	--	--	--	--	--
VP-5	09/15/04	97.07	10.25	86.82	550	**4,800**	< 1,500 a	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
VP-5 Dup	09/15/04	97.07	--	--	530	**1,100**	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
VP-5	12/13/04	97.07	9.75	87.32	< 250	**770**	**2,400**	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
VP-5 Dup	12/13/04	97.07	--	--	< 250	**710**	**2,100**	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
VP-5	03/15/05	97.07	9.05	88.02	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
VP-5	06/13/05	97.07	9.30	87.77	59	360	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
VP-5 Dup	06/13/05	97.07	--	--	55	340	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
VP-5	09/27/05	97.07	10.23	86.84	< 50	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
VP-5	12/19/05	97.07	8.89	88.18	< 50.0	< 240	< 481	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	--	--	--	--	--	--	--	--
VP-5	03/20/06	97.07	6.83	90.24	< 50.0	< 236	< 472	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	--	--	--	--	--	--	--	--
VP-5	05/02/06	97.07	7.70	89.37	< 50.0	< 238	< 476	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	--	--	--	--	--	--	--	--
VP-5	12/08/06	97.07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-5	03/08/07	97.07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-5	06/27/07	97.07	8.56	88.51	50.9	<240	<481	< 0.500	< 0.500	< 0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
VP-5	09/26/07	97.07	11.61	85.46	<50.0	<238	<476	1.81	<0.500	<0.500	<3.00	--	--	<5.00	<1.00	<50.0	<1.00	<1.00	--	<250	--	--
VP-5	12/27/07	97.07	7.42	89.65	<50.0	<236	<472	**78.4**	36.0	2.21	9.49	--	--	--	--	--	--	--	--	--	--	--
VP-5	03/27/08	97.07	7.47	89.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-5	06/25/08	97.07	6.55	90.52	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-5	10/01/08	97.07	10.01	87.06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 2

SUMMARY OF GROUNDWATER MONITORING DATA
SHELL-BRANDED WHOLESALE FACILITY
210 NORTHEAST 45TH STREET
SEATTLE, WASHINGTON

					HYDROCARBONS			PRIMARY VOCs						OXYGENATES					LEAD		PAHs	
Sample ID	**Date**	**TOC**	**DTW**	**GWE**	**TPHg**	**TPHd**	**TPHo**	**B**	**T**	**E**	**X**	**EDB**	**EDC**	**MTBE**	**TAME**	**TBA**	**DIPE**	**ETBE**	**Total**	**Ethanol**	**Naphthalenes**	**CPAHs**
			MTCA Method A Cleanup Levels		800/1000	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
					ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VP-5	12/11/08	97.07	8.70	88.37	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-5	03/10/09	97.07	8.49	88.58	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-5	05/27/09	97.07	7.71	89.36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-5	09/01/09	97.07	9.84	87.23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-5	12/03/09	97.07	7.72	89.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-5	02/18/10	97.07	6.34	90.73	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-5	05/04/10	97.07	7.48	89.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-5	12/16/10	97.07	6.84	90.23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-5	02/25/11	97.07	6.78	90.29	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-5	08/11/11	97.07	9.11	87.96	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-5	02/07/12	97.07	8.09	88.98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-5	07/31/12	97.07	8.82	88.25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-5	01/22/13	97.07	6.17	90.90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-5	08/07/13	97.07	9.30	87.77	<100	**915**	**509**	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--	--	--
VP-6	04/10/97	93.89	6.51	87.38	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-6	07/24/97	93.89	7.74	86.15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-6	01/27/98	97.69	6.70	90.99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-6	04/29/98	97.69	8.30	89.39	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-6	07/28/98	97.69	11.10	86.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-6	10/21/98	97.69	9.52	88.17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-6	01/20/99	97.69	6.98	90.71	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-6	04/22/99	97.69	7.10	90.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-6	07/21/99	97.69	9.60	88.09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-6	10/26/99	97.69	10.24	87.45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-6	02/23/00	97.69	8.11	89.58	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-6	05/31/00	97.69	8.33	89.36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-6	08/22/00	97.69	9.88	87.81	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-6	11/08/00	97.69	8.92	88.77	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-6	02/14/01	97.85	8.91	88.94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-6	04/19/01	97.85	8.14	89.71	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-6	08/07/01	97.85	9.58	88.27	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-6	11/01/01	97.85	9.72	88.13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-6	03/20/02	97.85	7.97	89.88	**16,900**	**3,290**	< 500	**39.9**	379	43	**2,670**	--	--	--	--	--	--	--	--	--	--	--

TABLE 2

SUMMARY OF GROUNDWATER MONITORING DATA
SHELL-BRANDED WHOLESALE FACILITY
210 NORTHEAST 45TH STREET
SEATTLE, WASHINGTON

					HYDROCARBONS			PRIMARY VOCs						OXYGENATES					LEAD		PAHs	
Sample ID	*Date*	*TOC*	*DTW*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*EDB*	*EDC*	*MTBE*	*TAME*	*TBA*	*DIPE*	*ETBE*	*Total*	*Ethanol*	*Naphthalenes*	*CPAHs*
			MTCA Method A Cleanup Levels		800/1000	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
					ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VP-6	05/14/02	97.85	7.86	89.99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-6	08/22/02	97.85	8.58	89.27	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-6	12/03/02	97.85	9.95	87.90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-6	03/06/03	97.85	8.97	88.88	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-6	06/12/03	97.85	9.23	88.62	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-6	09/16/03	97.85	9.36	88.49	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-6	12/17/03	97.85	7.44	90.41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-6	03/23/04	97.85	6.78	91.07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-6	07/07/04	97.85	8.05	89.80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-6	09/15/04	97.85	8.61	89.24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-6	12/13/04	97.85	7.74	90.11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-6	03/15/05	97.85	7.79	90.06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-6	06/13/05	97.85	7.86	89.99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-6	09/27/05	97.85	8.95	88.90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-6	12/19/05	97.85	8.26	89.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-6	03/20/06	97.85	6.39	91.46	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-6	05/02/06	97.85	6.99	90.86	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-6	12/08/06	97.85	6.13	91.72	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-6	03/08/07	97.85	7.82	90.03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-6	06/27/07	97.85	7.64	90.21	**994**	<240	<481	**3.71**	0.770	7.27	40.8	--	--	--	--	--	--	--	--	--	--	--
VP-6	09/26/07	97.85	8.84	89.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-6	12/27/07	97.85	7.03	90.82	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-6	03/27/08	97.85	7.03	90.82	<50	<250	<500	<1	<1	<1	<1	--	--	<1	<1	<5	<1	<1	--	--	--	--
VP-6	06/25/08	97.85	7.68	90.17	**4,200**	<250	<500	<1	3	69	450	--	--	<1	--	--	--	--	--	--	--	--
VP-6	10/01/08	97.85	8.65	89.20	**1,100**	<250	<500	1.8	4.4	75	280	--	--	<1	--	--	--	--	--	--	--	--
VP-6	12/11/08	97.85	7.98	89.87	**6,400**	**510**	<500	1.2	9.7	370	**1,580**	--	--	--	--	--	--	--	--	--	--	--
VP-6	03/10/09	97.85	7.19	90.66	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	<1.0	<2.0	<10	<2.0	<2.0	--	--	--	--
VP-6	05/27/09	97.85	6.98	90.87	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
VP-6	09/01/09	97.85	8.62	89.23	**5,100**	970	<100	1.5	5.5	180	630	--	--	--	--	--	--	--	--	--	--	--
VP-6	12/03/09	97.85	6.93	90.92	<100	<100	190	<0.50	<1.0	<1.0	<1.0	<0.010	<0.50	--	--	--	--	--	--	--	--	--
VP-6	02/25/10	97.85	6.00	91.85	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	<0.010	<0.50	<1.0	<2.0	<10	<2.0	<2.0	--	--	<0.10	<0.10
VP-6	05/04/10	97.85	6.83	91.02	<100	<100	<100	<0.50	<1.0	6.0	7.5	--	--	--	--	--	--	--	--	--	<0.10	<0.10
VP-6	08/17/10	97.85	7.93	89.92	**5,800 g**	**3,600 g**	<100	1.1	3.8	330	950	--	--	--	--	--	--	--	--	--	--	--

TABLE 2

SUMMARY OF GROUNDWATER MONITORING DATA
SHELL-BRANDED WHOLESALE FACILITY
210 NORTHEAST 45TH STREET
SEATTLE, WASHINGTON

					HYDROCARBONS			*PRIMARY VOCs*						*OXYGENATES*					*LEAD*		*PAHs*	
Sample ID	***Date***	***TOC***	***DTW***	***GWE***	***TPHg***	***TPHd***	***TPHo***	***B***	***T***	***E***	***X***	***EDB***	***EDC***	***MTBE***	***TAME***	***TBA***	***DIPE***	***ETBE***	***Total***	***Ethanol***	***Naphthalenes***	***CPAHs***
			MTCA Method A Cleanup Levels		800/1000	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
					ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VP-6	12/16/10	97.85	6.00	91.85	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--	--
VP-6	02/25/11	97.85	6.30	91.55	<100	<97.1	110	<1.00	<1.00	<1.00	<3.00	--	--	<1.00	<1.00	<20.0	<1.00	<1.00	--	--	--	--
VP-6	08/11/11	97.85	8.01	89.84	**4,200**	**1,060**	<240	<1.00	2.14	96.8	239	--	--	--	--	--	--	--	--	--	--	--
VP-6	02/07/12	97.85	7.03	90.82	<100	143	<243	<1.00	<1.00	<1.00	<3.00	--	--	<1.00	<1.00	<10.0	<1.00	<1.00	--	--	--	--
VP-6	07/31/12	97.85	7.79	90.06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-6	08/01/12	97.85	--	--	660	**676**	<94.3	<1.00	<1.00	32.9	125	--	--	--	--	--	--	--	--	--	--	--
VP-6	01/22/13	97.85	6.00	91.85	<100	<95.2	<95.2	<1.00	<1.00	<1.00	<3.00	--	--	<1.00	<1.00	<10.0	<2.00	<1.00	--	--	--	--
VP-6	08/07/13	97.85	8.20	89.65	**4,580**	**1,280**	<100	<1.00	1.58	95.6	303	--	--	--	--	--	--	--	--	--	--	--
VP-7	04/10/97	93.16	13.32	79.84	**3,240,000**	**15,800**	--	**20600**	**41,700**	**6,700**	**44,300**	--	--	--	--	--	--	--	--	--	--	--
VP-7	07/24/97	93.16	10.60	82.56	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-7	01/27/98	96.79	7.69	89.10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-7	04/29/98	96.79	13.21	83.58	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-7	07/28/98	96.79	13.14	83.65	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-7	10/21/98	96.79	10.27	86.52	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-7	01/20/99	96.79	12.75	84.04	**67,600**	**26,900**	--	**2590**	**3,680**	**894**	**8,830**	--	--	--	--	--	--	--	--	--	--	--
VP-7	04/22/99	96.79	9.95	86.84	**83,100**	**15,900**	--	**9260**	**8,550**	303	**8,380**	--	--	--	--	--	--	--	--	--	--	--
VP-7	07/21/99	96.79	12.62	84.17	**704,000**	**94,700**	--	**557**	<420	**1,470**	**11,100**	--	--	--	--	--	--	--	--	--	--	--
VP-7	10/26/99	96.79	11.20	85.59	**38,400**	**14,300**	--	**3300**	**1,480**	79	**4,550**	--	--	--	--	--	--	--	--	--	--	--
VP-7	02/23/00	96.79	8.80	87.99	**30,900**	**68,200**	--	**6070**	**2,530**	127	**2,350**	--	--	--	--	--	--	--	--	--	--	--
VP-7	05/31/00	96.79	9.08	87.71	**56,200**	**4,460**	--	**9630**	**5,970**	294	**5,740**	--	--	--	--	--	--	--	--	--	--	--
VP-7	08/22/00	96.79	12.81	83.98	**22,800**	**24,600**	--	**1460**	984	103	**1,740**	--	--	--	--	--	--	--	--	--	--	--
VP-7	11/08/00	96.79	9.40	87.39	**74,800**	**27,700**	< 7,680 a	**11800**	**10,100**	495	**10,600**	--	--	--	--	--	--	--	--	--	--	--
VP-7	02/14/01	96.92	9.58	87.34	**19,500**	**16,100**	< 2,500 a	**1310**	**1,470**	93	**3,000**	--	--	--	--	--	--	--	--	--	--	--
VP-7	04/19/01	96.92	8.86	88.06	**40,200**	**10,900**	< 5,500 a	**6140**	**4,780**	140	**6,250**	--	--	--	--	--	--	--	--	--	--	--
VP-7	08/07/01	96.92	11.38	85.54	**61,900**	**41,000**	**25,700**	**11200**	**7,790**	264	**7,690**	--	--	--	--	--	--	--	--	--	--	--
VP-7	11/01/01	96.92	12.10	84.82	**74,200**	NA	NA	**623**	169	173	**1,200**	--	--	--	--	--	--	--	--	--	--	--
VP-7	03/20/02	96.92	12.18	84.74	**14,900**	**44,400**	< 5,000 a	**1840**	**1,270**	85	**1,210**	--	--	--	--	--	--	--	--	--	--	--
VP-7	05/14/02	96.92	12.75	84.17	**46,200**	**58,600**	**4,040**	**2270**	**1,840**	171	**2,080**	--	--	--	--	--	--	--	--	--	--	--
VP-7	08/22/02	96.92	9.42	87.50	**67,000**	**8,800**	< 3,800 a	**1100**	**12,000**	590	**5,800**	--	--	--	--	--	--	--	--	--	--	--
VP-7	12/03/02	96.92	12.10	84.82	**28,000**	**520**	< 750 a	**1900**	**1,800**	60	**2,150**	--	--	--	--	--	--	--	--	--	--	--
VP-7	03/06/03	96.92	12.75	84.17	**2,600**	< 250	< 500	**750**	180	41	310	--	--	--	--	--	--	--	--	--	--	--
VP-7	06/11/03	96.92	12.85	84.07	**1,500**	300	< 500	**1500**	110	23	141	--	--	--	--	--	--	--	--	--	--	--
VP-7	09/16/03	96.92	11.42	85.50	590	**560**	< 500	**650**	14	7.6	50	--	--	--	--	--	--	--	--	--	--	--

TABLE 2

SUMMARY OF GROUNDWATER MONITORING DATA
SHELL-BRANDED WHOLESALE FACILITY
210 NORTHEAST 45TH STREET
SEATTLE, WASHINGTON

					HYDROCARBONS			PRIMARY VOCs						OXYGENATES					LEAD		PAHs	
Sample ID	*Date*	*TOC*	*DTW*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*EDB*	*EDC*	*MTBE*	*TAME*	*TBA*	*DIPE*	*ETBE*	*Total*	*Ethanol*	*Naphthalenes*	*CPAHs*
			MTCA Method A Cleanup Levels		800/1000 ug/L	500 ug/L	500 ug/L	5 ug/L	1000 ug/L	700 ug/L	1000 ug/L	0.01 ug/L	5 ug/L	20 ug/L	NE ug/L	NE ug/L	NE ug/L	NE ug/L	15 ug/L	NE ug/L	160 ug/L	0.1 ug/L
VP-7	12/17/03	96.92	8.37	88.55	**2,800**	**4,900**	< 500	**5800**	**5,600**	220	**3,100**	--	--	--	--	--	--	--	--	--	--	--
VP-7	03/23/04	96.92	7.17	89.75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-7	07/07/04	96.92	8.78	88.14	**120,000**	**16,000**	< 2,500 a	**19000**	**18,000**	**1,200**	**11,200**	--	--	--	--	--	--	--	--	--	--	--
VP-7 Dup	07/07/04	96.92	--	--	**130,000**	**8,300**	< 2,500 a	**19000**	**17,000**	**1,100**	**11,200**	--	--	--	--	--	--	--	--	--	--	--
VP-7	09/15/04	96.92	9.58	87.34	**66,000**	**16,000**	< 2,500 a	**11000**	**4,100**	470	**8,300**	--	--	--	--	--	--	--	--	--	--	--
VP-7	12/13/04	96.92	8.74	88.18	**26,000**	**6,000**	< 10,000 a	**2700**	**2,500**	160	**3,500**	--	--	--	--	--	--	--	--	--	--	--
VP-7	03/15/05	96.92	8.45	88.47	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-7	06/13/05	96.92	10.31	86.61	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-7	09/27/05	96.92	9.81	87.11	**32,000**	**4,000**	< 1,000 a	**6500**	**1,600**	**410**	**5,300**	--	--	--	--	--	--	--	--	--	--	--
VP-7	12/19/05	96.92	12.29	84.63	Sheen present in well; no sample taken.																	
VP-7	03/20/06	96.92	6.61	90.31	Sheen present in well; no sample taken.																	
VP-7	05/02/06	96.92	7.45	89.47	Sheen present in well; no sample taken.																	
VP-7	12/08/06	96.92	6.81	90.11	**39,500**	**7,600**	**935**	**2980**	**3,070**	650	**5,400**	--	--	--	--	--	--	--	--	--	--	--
VP-7	03/08/07	96.92	8.56	88.36	**29,500**	**1,170**	<500	**1790**	**1,270**	325	**2,800**	--	--	--	--	--	--	--	--	--	--	--
VP-7	06/27/07	96.92	8.30	88.62	**87,800**	**4,850**	498	**9300**	**8,430**	**1,210**	**10,200**	--	--	--	--	--	--	--	--	--	--	--
VP-7	09/26/07	96.92	10.91	86.01	**58,000**	**5,600**	**1,780**	**6640**	464	**1,160**	**10,300**	--	--	<5.00	<1.00	<50.0	<1.00	<1.00	--	<250	--	--
VP-7	12/27/07	96.92	7.48	89.44	**10,900**	**1,200 d**	<472	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
VP-7	03/27/08	96.92	7.36	89.56	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-7	06/25/08	96.92	6.54	90.38	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-7	10/01/08	96.92	9.72	87.20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-7	12/11/08	96.92	9.36	87.56	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-7	03/10/09	96.92	8.60	88.32	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-7	05/27/09	96.92	7.32	89.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-7	09/01/09	96.92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-7	12/03/09	96.92	10.02	86.90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-7	02/18/10	96.92	6.12	90.80	**2,500**	**1,100 g**	<100	**60**	90	32	380	<0.010	<0.50	<1.0	<2.0	<10	<2.0	<2.0	--	--	15.3	<0.50
VP-7	05/05/10	96.92	7.18	89.74	**2,500**	**1,200 g**	<100	**370**	49	62	460	--	--	--	--	--	--	--	--	--	18.7	<0.50
VP-7	08/17/10	96.92	8.52	88.40	**18,000 g**	**6,100 g**	<100	**2900**	**1,600**	490	**4,400**	--	--	--	--	--	--	--	--	--	--	--
VP-7	12/16/10	96.92	6.50	90.42	**1,900**	**600 g**	<100	**250**	27	29	**230**	--	--	--	--	--	--	--	--	--	--	--
VP-7	02/25/11	96.92	6.51	90.41	**5,370**	**8,330**	**3,670**	**451**	58.2	93.5	245	--	--	<1.00	<1.00	<20.0	<1.00	<1.00	--	--	--	--
VP-7	08/11/11	96.92	8.59	88.33	**33,300**	**2,130**	271	**4,520**	**1,680**	541	**2,800**	--	--	--	--	--	--	--	--	--	--	--
VP-7	02/07/12	96.92	7.51	89.41	**1,550**	**2,950**	<240	**29.0**	14.2	6.42	88.5	--	--	<1.00	<1.00	11.0	<1.00	<1.00	--	--	--	--
VP-7	07/31/12	96.92	8.26	88.66	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 2

SUMMARY OF GROUNDWATER MONITORING DATA
SHELL-BRANDED WHOLESALE FACILITY
210 NORTHEAST 45TH STREET
SEATTLE, WASHINGTON

					HYDROCARBONS			PRIMARY VOCs						OXYGENATES					LEAD		PAHs	
Sample ID	*Date*	*TOC*	*DTW*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*EDB*	*EDC*	*MTBE*	*TAME*	*TBA*	*DIPE*	*ETBE*	*Total*	*Ethanol*	*Naphthalenes*	*CPAHs*
			MTCA Method A Cleanup Levels		800/1000 ug/L	500 ug/L	500 ug/L	5 ug/L	1000 ug/L	700 ug/L	1000 ug/L	0.01 ug/L	5 ug/L	20 ug/L	NE ug/L	NE ug/L	NE ug/L	NE ug/L	15 ug/L	NE ug/L	160 ug/L	0.1 ug/L
VP-7	08/01/12	96.92	--	--	**8,820**	**2,550**	<94.3	**873**	547	125	**1,270**	--	--	--	--	--	--	--	--	--	--	--
VP-7	01/22/13	96.92	6.01	90.91	**3,440**	**1,210**	<95.2	**283**	40.0	61.3	256	--	--	<1.00	<1.00	<10.0	<2.00	<1.00	--	--	--	--
VP-7	08/07/13	96.92	9.39	87.53	**14,200**	**8,950**	**4,670**	**1,570**	466	154	**1,060**	--	--	--	--	--	--	--	--	--	--	--
VP-8	04/10/97	92.72	12.77	79.95	284	**1,800**	--	< 0.5	< 0.5	< 0.5	1.4	--	--	--	--	--	--	--	--	--	--	--
VP-8	07/24/97	92.72	8.31	84.41	**977**	**3,720**	--	**8.63**	8.5	2.3	16	--	--	--	--	--	--	--	--	--	--	--
VP-8	11/06/97	92.72	--	--	**1,730**	**8,110**	--	**5.48**	4.6	2.6	16	--	--	--	--	--	--	--	--	--	--	--
VP-8	01/27/98	96.52	7.16	89.36	**1,260**	**2,920**	--	**5.28**	0.68	1.8	8.4	--	--	--	--	--	--	--	--	--	--	--
VP-8	04/29/98	96.52	11.93	84.59	**2,060**	**2,210**	--	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	--	--	--	--	--	--	--	--
VP-8	07/28/98	96.52	12.41	84.11	**2,250**	NA	--	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	--	--	--	--	--	--	--	--
VP-8	10/21/98	96.52	10.91	85.61	**2,610**	**7,430**	--	**9.64**	1.3	< 0.5	< 1.0	--	--	--	--	--	--	--	--	--	--	--
VP-8	01/20/99	96.52	8.30	88.22	< 50	**1,530**	--	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	--	--	--	--	--	--	--	--
VP-8	04/22/99	96.52	11.35	85.17	600	**1,250**	--	1.1	< 0.5	< 0.9	< 2.90	--	--	--	--	--	--	--	--	--	--	--
VP-8	07/21/99	96.52	12.41	84.11	103	**1,410**	--	< 0.5	< 0.5	< 0.5	< 1.0	--	--	--	--	--	--	--	--	--	--	--
VP-8	10/26/99	96.52	11.61	84.91	360	**1,650**	--	< 0.5	< 0.5	< 0.5	< 1.54	--	--	--	--	--	--	--	--	--	--	--
VP-8	02/23/00	96.52	12.65	83.87	788	**2,350**	--	0.695	< 0.5	< 0.5	< 3.20	--	--	--	--	--	--	--	--	--	--	--
VP-8	05/31/00	96.52	8.77	87.75	159	**2,650**	--	2.73	1.2	< 0.5	2.5	--	--	--	--	--	--	--	--	--	--	--
VP-8	08/22/00	96.52	11.79	84.73	393	**4,640**	--	< 0.64	< 0.5	< 0.5	< 2.16	--	--	--	--	--	--	--	--	--	--	--
VP-8	11/08/00	96.52	10.40	86.12	254	**3,550**	< 5,500 a	**9.23**	0.9	< 0.5	1.6	--	--	--	--	--	--	--	--	--	--	--
VP-8	02/14/01	96.67	10.01	86.66	180	**3,070**	< 2,500 a	1	< 0.5	< 0.5	< 1.05	--	--	--	--	--	--	--	--	--	--	--
VP-8	04/19/01	96.67	9.35	87.32	60	**18,600**	< 5,500 a	0.681	< 0.5	< 0.5	< 1.00	--	--	--	--	--	--	--	--	--	--	--
VP-8	08/07/01	96.67	11.02	85.65	317	**2,570**	**3,320**	2.25	< 0.5	< 0.5	1.1	--	--	--	--	--	--	--	--	--	--	--
VP-8	11/01/01	96.67	12.95	83.72	619	NA	NA	< 1.25	< 1.25	< 1.25	3.9	--	--	--	--	--	--	--	--	--	--	--
VP-8	03/20/02	96.67	12.85	83.82	574	**5,000**	**8,280**	1.13	< 0.5	< 0.5	2.4	--	--	--	--	--	--	--	--	--	--	--
VP-8	05/14/02	96.67	12.89	83.78	981	**4,390**	**7,740**	3.37	3.7	1.5	10	--	--	--	--	--	--	--	--	--	--	--
VP-8	08/22/02	96.67	9.52	87.15	**2,000**	**2,300**	< 3,800 a	< 1	< 1	< 1	6.0	--	--	--	--	--	--	--	--	--	--	--
VP-8	12/03/02	96.67	12.50	84.17	< 250	< 250	< 750 a	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
VP-8	03/06/03	96.67	17.20	79.47	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
VP-8	06/11/03	96.67	12.80	83.87	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
VP-8	09/16/03	96.67	12.78	83.89	< 250	260	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
VP-8	12/17/03	96.67	9.17	87.50	< 250	**1,400**	< 500	1.9	< 1	< 1	3.1	--	--	--	--	--	--	--	--	--	--	--
VP-8	03/23/04	96.67	7.15	89.52	< 250	**1,400**	**910**	< 1	< 1	< 1	1.7	--	--	--	--	--	--	--	--	--	--	--
VP-8	07/07/04	96.67	9.06	87.61	250	**2,500**	< 500	**6.9**	< 1	< 1	2.9	--	--	--	--	--	--	--	--	--	--	--

TABLE 2

SUMMARY OF GROUNDWATER MONITORING DATA
SHELL-BRANDED WHOLESALE FACILITY
210 NORTHEAST 45TH STREET
SEATTLE, WASHINGTON

					HYDROCARBONS			PRIMARY VOCs						OXYGENATES					LEAD		PAHs	
Sample ID	*Date*	*TOC*	*DTW*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*EDB*	*EDC*	*MTBE*	*TAME*	*TBA*	*DIPE*	*ETBE*	*Total*	*Ethanol*	*Naphthalenes*	*CPAHs*
			MTCA Method A Cleanup Levels		800/1000 ug/L	500 ug/L	500 ug/L	5 ug/L	1000 ug/L	700 ug/L	1000 ug/L	0.01 ug/L	5 ug/L	20 ug/L	NE ug/L	NE ug/L	NE ug/L	NE ug/L	15 ug/L	NE ug/L	160 ug/L	0.1 ug/L
VP-8	09/15/04	96.67	10.04	86.63	410	**2,000**	< 500	**9.1**	< 1	< 1	2.6	--	--	--	--	--	--	--	--	--	--	--
VP-8	12/13/04	96.67	9.74	86.93	< 250	**1,200**	**710**	4	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
VP-8	03/15/05	96.67	8.72	87.95	< 250	< 750	< 1,500 a	2.6	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
VP-8	06/13/05	96.67	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-8	09/27/05	96.67	10.24	86.43	590	**880**	< 500	**11**	2	2.1	4.2	--	--	--	--	--	--	--	--	--	--	--
VP-8	12/19/05	96.67	11.13	85.54	91.2	312	< 490	2.85	< 0.500	< 0.500	< 1.00	--	--	--	--	--	--	--	--	--	--	--
VP-8	03/20/06	96.67	6.17	90.50	< 50.0	**855**	**720**	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	--	--	--	--	--	--	--	--
VP-8	05/02/06	96.67	7.31	89.36	< 50.0	**1,040**	**924**	< 0.500	< 0.500	< 0.500	< 1.00	--	--	--	--	--	--	--	--	--	--	--
VP-8	12/08/06	96.67	6.40	90.27	<50.0	<248	<495	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
VP-8	03/08/07	96.67	8.88	87.79	<50.0	<245	<490	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
VP-8	06/27/07	96.67	8.34	88.33	98.9	<240	<481	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
VP-8	09/26/07	96.67	11.20	85.47	222	412	**580**	**7.15**	0.660	0.550	<3.00	--	--	<5.00	<1.00	<50.0	<1.00	<1.00	--	<250	--	--
VP-8	12/27/07	96.67	7.13	89.54	<50.0	<238	<476	**355**	171	79.8	909	--	--	--	--	--	--	--	--	--	--	--
VP-8	03/27/08	96.67	6.84	89.83	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-8	06/25/08	96.67	6.03	90.64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-8	10/01/08	96.67	9.12	87.55	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-8	12/11/08	96.67	9.36	87.31	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-8	03/10/09	96.67	7.35	89.32	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-8	05/27/09	96.67	7.50	89.17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-8	09/01/09	96.67	--	--	Possible obstrucion in well																	
VP-8	12/03/09	96.67	7.45	89.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-8	02/18/10	96.67	6.04	90.63	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-8	05/04/10	96.67	7.11	89.56	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-8	12/16/10	96.67	6.71	89.96	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-8	02/25/11	96.67	6.18	90.49	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-8	08/11/11	96.67	9.00	87.67	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-8	02/07/12	96.67	7.94	88.73	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-8	07/31/12	96.67	8.76	87.91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-8	01/22/13	96.67	6.25	90.42	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-8	08/07/13	96.67	9.20	87.47	114	**4,180**	**4,970**	<1.00	<1.00	<1.00	<2.00	--	--	--	--	--	--	--	--	--	--	--
VP-9	12/03/02	99.81	11.22	88.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-9	03/06/03	99.81	9.70	90.11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-9	06/12/03	99.81	10.09	89.72	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 2

SUMMARY OF GROUNDWATER MONITORING DATA
SHELL-BRANDED WHOLESALE FACILITY
210 NORTHEAST 45TH STREET
SEATTLE, WASHINGTON

					HYDROCARBONS			PRIMARY VOCs						OXYGENATES					LEAD		PAHs	
Sample ID	*Date*	*TOC*	*DTW*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*EDB*	*EDC*	*MTBE*	*TAME*	*TBA*	*DIPE*	*ETBE*	*Total*	*Ethanol*	*Naphthalenes*	*CPAHs*
			MTCA Method A Cleanup Levels		800/1000 ug/L	500 ug/L	500 ug/L	5 ug/L	1000 ug/L	700 ug/L	1000 ug/L	0.01 ug/L	5 ug/L	20 ug/L	NE ug/L	NE ug/L	NE ug/L	NE ug/L	15 ug/L	NE ug/L	160 ug/L	0.1 ug/L
VP-9	09/16/03	99.81	11.42	88.39	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
VP-9	12/1703	99.81	8.63	91.18	< 250	< 250	< 500	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
VP-9	03/23/04	99.81	7.93	91.88	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-9	07/07/04	99.81	9.31	90.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-9	09/15/04	99.81	9.93	89.88	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-9	12/13/04	99.81	9.01	90.80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-9	03/15/05	99.81	9.01	90.80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-9	06/13/05	99.81	9.01	90.80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-9	09/27/05	99.81	10.23	89.58	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-9	12/19/05	99.81	9.40	90.41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-9	03/20/06	99.81	7.50	92.31	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-9	05/02/06	99.81	8.15	91.66	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-9	12/08/06	99.81	7.39	92.42	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-9	03/08/07	99.81	9.67	90.14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-9	06/27/07	99.81	8.89	90.92	<50.0	<240	<481	<0.500	<0.500	<0.500	<3.00	--	--	--	--	--	--	--	--	--	--	--
VP-9	09/26/07	99.81	10.11	89.70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-9	12/27/07	99.81	7.94	91.87	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-9	03/27/08	99.81	8.13	91.68	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-9	06/25/08	99.81	7.44	92.37	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-9	10/01/08	99.81	9.51	90.30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-9	12/11/08	99.81	9.20	90.61	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-9	03/10/09	99.81	8.29	91.52	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-9	05/27/09	99.81	8.12	91.69	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-9	09/01/09	99.81	9.87	89.94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-9	12/03/09	99.81	8.00	91.81	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-9	02/18/10	99.81	7.02	92.79	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-9	05/04/10	99.81	7.93	91.88	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-9	12/16/10	99.81	6.94	92.87	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-9	02/25/11	99.81	7.30	92.51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-9	08/11/11	99.81	9.27	90.54	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-9	02/07/12	99.81	8.21	91.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-9	07/31/12	99.81	9.04	90.77	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-9	01/22/13	99.81	6.47	93.34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 2

SUMMARY OF GROUNDWATER MONITORING DATA
SHELL-BRANDED WHOLESALE FACILITY
210 NORTHEAST 45TH STREET
SEATTLE, WASHINGTON

					HYDROCARBONS			*PRIMARY VOCs*						*OXYGENATES*					*LEAD*		*PAHs*	
Sample ID	***Date***	***TOC***	***DTW***	***GWE***	***TPHg***	***TPHd***	***TPHo***	***B***	***T***	***E***	***X***	***EDB***	***EDC***	***MTBE***	***TAME***	***TBA***	***DIPE***	***ETBE***	***Total***	***Ethanol***	***Naphthalenes***	***CPAHs***
			MTCA Method A Cleanup Levels		800/1000	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	NE	160	0.1
					ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VP-9	08/07/13	99.81	9.29	90.52	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:

DTW = Depth to Water in feet
GWE = Groundwater Elevation in feet relative to arbitrary benchmarks
TOC = Top of Casing in feet relative to arbitrary benchmarks
MTCA = Model Toxics Control Act
VOCs = volatile organic compounds
All results in micrograms per liter (µg/L) unless otherwise indicated.
TPHg = Total petroleum hydrocarbons as gasoline analyzed by NWTPH-Gx unless otherwised noted. The higher value is based on the assumption that no benzene is present in the groundwater sample.
TPHd = Total petroleum hydrocarbons as diesel, analyzed by NWTPH-Dx with silica gel cleanup unless otherwise noted by previous reports.
TPHo = Total petroleum hydrocarbons as oil range organics analyzed by NWTPH-Dx with silica gel cleanup unless otherwise noted by previous reports.
Benzene, toluene, ethylbenzene, and xylenes analyzed by EPA Method 8260B; before February 26, 2008, analyzed by EPA Method 8020 unless otherwise noted
EDB = 1,2-Dibromoethane analyzed by EPA Method 8011
EDC = 1,2-Dichloroethane analyzed by EPA Method 8260B
MTBE = Methyl tertiary-butyl ether analyzed by EPA Method 8260B
TBA = Tertiary-butanol analyzed by EPA Method 8260B
DIPE = Di-isopropyl ether analyzed by EPA Method 8260B
ETBE = Ethyl tertiary-butyl ether analyzed by EPA Method 8260B
TAME = Tertiary-amyl methyl ether analyzed by EPA Method 8260B
Total Lead analyzed by EPA Method 6020
Naphthalenes = sum of naphthalene, 1-methyl naphthalene and 2-methyl naphthalene
CPAHs = Carcinogenic polycyclic aromatic hydrocarbons
Naphthalenes & CPAH's analyzed using EPA Method 8270C SIM
<x = Not detected at laboratory reporting limit x
ND = Not detected
--- = Not analyzed
NE = Not established
Concentrations in bold type indicate the analyte was detected above MTCA Method A cleanup levels
a = Laboratory reporting limits exceeding MTCA Method A cleanup levels
b = Sample container contained headspace.
c = Headspace due to lab use, limited volume provided.
d = Results in the diesel organic range primarily due to overlap from gasoline range product.
e = The chromatographic pattern is not consistent with diesel fuel.
f = Not analyzed due to broken bottles during shipment.
g = The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Appendix A

Summary of Previous Investigations and Remedial Activities

SUMMARY OF PREVIOUS INVESTIGATIONS AND REMEDIAL ACTIVITIES

1991 Underground Storage Tank Closure and Site Assessment: In January 1991, Groundwater Technology (GTI) oversaw the removal of one 1,000-gallon heating oil underground storage tank (UST) and one 500-gallon waste oil UST from the Property.

Soils from the sidewalls and bottoms the heating oil UST excavation was submitted for laboratory analysis of total petroleum hydrocarbons (TPH) by EPA Method 418.1. Soil samples were collected from the base and sidewalls of the excavation. The sidewall samples were composited into one sample for analysis. The samples were documented below the Washington State Department of Ecology (Ecology) Model Toxics Control Act (MTCA) Method A cleanup level for TPH.

Soils from the sidewalls and bottoms the waste oil excavation was submitted for laboratory analysis of TPH, polychlorinated biphynels (PCBs, only the bottom sample), and Toxicity Characteristic Leaching Procedure (TCLP) metals (only the bottom sample). The following soil samples were collected from the used oil UST excavation and exceeded the Ecology MTCA Method A cleanup level for TPH:

- COMP of UO-E2 and UO-W2 (collected at 5 feet bgs)
- UO-B (collected at 7 feet bgs)

The excavation was extended in depth and to the east. Soil samples were collected from the bottom of the excavation and east and northern sidewalls and analyzed for TPH and volatile organic compounds (VOCs). The following soil samples exceeded the Ecology MTCA Method A cleanup level for TPH and (UO-B2 exceeded MTCA Method A cleanup level for benzene as well):

- UO-B2 (collected at 10 feet bgs)
- UO-E3 (collected at 8 feet bgs)
- UO-N (collected at 10 feet bgs)

Additional soil was excavated. Soil samples were collected from the bottom, north and southeastern sidewalls and were analyzed for TPH (only the bottom sample), TPH as gasoline (TPHg), TPH as diesel (TPHd), and organic lead (only southeast sidewall sample). The following soil samples exceeded the Ecology MTCA Method A cleanup level for TPHg.

- UO-N2 (collected at 9 feet bgs)
- UO-SE (collected at 11 feet bgs)

The final excavation was 30 feet in length and approximately 15 feet deep. The width of the excavation is unknown. As well, the southern extent of the excavation was not characterized. Approximately 200 cubic yards of impacted soils were removed from the used oil UST excavation. Soil impacts remained in place at:

- North sidewall in samples collected at nine and 10 feet bgs.
- East sidewall in a sample collected at 8 feet bgs.
- Southeast sidewall in a sample collected at 11 feet bgs.
- West sidewall in a sample collected at 5 feet bgs.

Prior to backfilling, monitoring well MW-1 was installed within the waste oil UST excavation.

Due to the extensive excavation and the unknown lateral extent of the impacts, excavation operations were discontinued and an assessment was completed in February 1991. Nine soil borings, VP-1 through VP-9, were advanced to a depth of 15 feet bgs, except for VP-3 which was advanced to 20 feet bgs, and completed as vapor extraction wells. Soil samples were submitted for analysis of TPHg, TPHd, benzene, toluene, ethylbenzene, xylenes (collectively referred to as BTEX) and total lead. Concentrations of TPHg and/or BTEX exceeded the MTCA Method A cleanup level in the soil samples collected from vapor extraction wells (in addition TPHd exceeded the MTCA Method A cleanup level in the soil sample collected from VP-1):

- VP-1 (collected from 3.5 to 4 feet bgs)
- VP-3 (collected from 8.5 to 9 feet bgs)
- VP-5 (collected from 8.5 to 9 feet bgs)
- VP-6 (collected from 8.5 to 9 feet bgs)
- VP-7 (collected from 11 to 11.5 feet bgs)
- VP-8 (collected from 10 to 10.5 feet bgs)

Groundwater was observed in each vapor extraction well at approximately 10 feet to 11 feet bgs. Groundwater samples were collected for analysis of TPHg, TPHd, BTEX, and lead. The following samples exceeded MTCA Method A cleanup levels:

- TPHg exceeded the MTCA Method A cleanup level in groundwater samples collected from vapor extraction wells VP-3, VP-5, VP-6, VP-7, VP-8, and monitoring well MW-1.
- TPHd exceeded the MTCA Method A cleanup level in groundwater samples collected from vapor extraction wells VP-3 and VP-5.
- Benzene exceeded the MTCA Method A cleanup level in groundwater samples collected from vapor extraction wells VP-1, VP-3, VP-5, VP-7, VP-8, and MW-1. Toluene exceeded the

MTCA Method A cleanup level in the groundwater sample collected from vapor extraction well VP-3.

- Ethylbenzene exceeded the MTCA Method A cleanup level in groundwater samples collected from vapor extraction wells VP-3 and VP-7.
- Xylenes exceeded the MTCA Method A cleanup level in groundwater samples collected from vapor extraction wells VP-3, VP-5, VP-6, and VP-7.
- Lead exceeded the MTCA Method A cleanup level in groundwater samples collected from vapor extraction well VP-2 and monitoring well MW-1.

Additional information is available in GTI's *Report of Underground Storage Tank Closure and Environmental Site Assessment* report dated April 1991.

***1991 Monitoring Well Installation*:** In October 1991, SEACOR International Incorporated (SEACOR) oversaw the advancement of two soil borings (SB-1 and SB-2) and installation of five monitoring wells (MW-2 through MW-6). Soil samples were collected and submitted for analysis of TPHg, TPHd, TPH as oil (TPHo); and, BTEX and total lead (SB-1 and SB-2 only). In addition, SEACOR performed aquifer testing to assess the feasibility of groundwater pump and treat as a remedial approach and also performed efficiency testing and monitoring on the vapor extraction system installed by GTI in April 1991. Soil samples were documented below MTCA Method A cleanup levels. Additional information is available in SEACOR's *Soil and Groundwater Investigation Report* dated April 24, 1992.

1991 to 2006 Remediation System Operation: Operation of a soil vapor extraction (SVE) system began in June 1991. Petroleum hydrocarbon vapors were extracted from wells VP-1 through VP-9 and discharged through an exhaust stack. Operation of the SVE system was discontinued in 1995.

A groundwater extraction system began operating on April 25, 1995 to remediate groundwater and separate phase hydrocarbons (SPH) identified beneath the Property. Pneumatic submersible pumps were installed in wells MW-2, VP-7, and VP-8, located along the southern Property boundary. Underground piping from the extraction wells delivered the extracted groundwater for treatment through an oil water separator, a tray air stripper, and granular activated carbon (GAC) vessels. The treated groundwater was discharged to the sanitary sewer.

The extraction system was expanded in December 1997 to include wells MW-8 and VP-5. Field screening with a PID indicated that hydrocarbon impacts were present within the trench excavated in the sidewalk; however, soil samples submitted to the laboratory did not contain petroleum hydrocarbon constituents exceeding the MTCA Method A cleanup level. Beginning in October 2003, the extraction system remained off while the enhanced bioremediation injections were conducted. The system was restarted in March 2005. Between April 25, 1995 and June 29, 2006, the groundwater extraction system treated approximately 2.1 million gallons of water and

recovered approximately 89 pounds of TPHg and 0.23 pounds of benzene from the groundwater.

The groundwater extraction system remained inactive since August 2006 for system troubleshooting and equipment upgrades. The oil water separator was taken offline since SPH was no longer observed within the monitoring wells. The air stripper was also taken offline because the blower associated with the stripper was not operable and groundwater concentrations were low enough that carbon abatement was considered sufficient. In addition, the pumps within extraction wells MW-2, MW-8, and VP-5 were replaced.

1996 Oxygen Release Compounds Injection: In 1996, Oxygen Release Compounds (ORC) was injected in wells MW-1, VP-1, VP-4, and VP-9. These wells were used as the injection points because they were located close to the source and up-gradient from the groundwater extraction wells. Due to lack of data, it is unclear how many injection events occurred; however, the use of ORC was discontinued in 2002 when the RETEC Group, Inc. (RETEC) assumed remediation responsibility of the Property (EMS, 2003).

1997 Investigation of Vapors in Church**:** On August 19, 1997, SECOR investigated the presence of vapors within one of the basement bathrooms of the First Church of Nazarene, located on the corner of 2nd Avenue Northeast and Northeast 44th Street, approximately 250 feet southwest of the Site. A photoionization detector (PID) detected concentrations of up to 120 parts per million (ppm) near the washing machine discharge port of the basement bathroom. SECOR also measured detectable vapors within the sewer manholes at the northwest and southwest corners of 2nd Avenue Northeast and Northeast 44th Street at concentrations of 220 ppm and 120 ppm, respectively. Additional information is available in SECOR's Memorandum *Investigation of Vapors in Church near Texaco Facility No. 63-232-1416* dated August 20, 1997.

1997 Project Summary**:** SPH were detected in monitoring well MW-2 and a sample was collected on November 13, 1997 for fuel fingerprinting. The results indicated fresh product with very little weathering. The turbine and fill port containment systems on the four USTs located at the service station were upgraded in December 1997 through January 1998. Soil samples were collected from the backfill located adjacent to the USTs near the fill ports and analyzed for TPHg, TPHg, and BTEX. TPHg exceeded the MTCA Method A cleanup levels in the soil samples collected adjacent to the northeast, southwest, and southeast USTs. TPHd was detected in the sample collected above the northeast UST at a concentration exceeding the MTCA Method A cleanup level. Benzene was detected in the sample collected above the southwest UST at a concentration exceeding the MTCA Method A cleanup level. Additional information is available in SECOR's *Project Summary* dated March 3, 1998.

2002 Benzene Indoor Air Evaluation Associated with Vapor Intrusion and Groundwater Lateral Transport: RETEC used groundwater analytical data from monitoring wells associated with the Property to evaluate the potential for human health risks associated with the vapor intrusion of

benzene into indoor air. To determine whether indoor air concentrations of benzene would pose a potential human health risk to an industrial/commercial receptor, measured concentrations in groundwater were used as input for the Johnson and Ettinger vapor intrusion model. The calculated risk was less than the risk considered acceptable by Ecology's MTCA Method C air cleanup levels under industrial worker scenarios. The second scenario involved the estimation of the down-gradient distance that benzene would have to travel to attain a target groundwater concentration protective of residential indoor air. RETEC calculated that an acceptable groundwater concentration would be achieved at approximately 53 feet down-gradient of well MW-6. The closest residence to well MW-6 is approximately 65 feet from the well; therefore, according to RETEC's evaluation, indoor air risks may be considered to be acceptable for this residence. Additional information is available in RETEC's *Benzene Indoor Air Evaluation Associated with Vapor Intrusion and Groundwater Lateral Transport for the 45th Street Texaco Site* dated November 7, 2002.

2003 Enhanced Bioremediation: An enhanced bioremediation program consisting of the addition of indigenous microorganisms, dilute hydrogen peroxide, and nutrient applications was initiated in October 2003 by Environmental Management Services, Inc. (EMS). Monitoring wells MW-1, MW-3, MW-6, VP-1, VP-2, VP-3, and two UST tank pit observation wells were used as injection points. Injection events were conducted during the fourth quarter of 2003 and during the second quarter of 2004.

2006 Soil Excavation: In October 2006, Delta Consultants (Delta) collected soil samples from the excavation sidewalls as well as the stockpile generated during fueling dispenser and sump upgrades at the Site. Soils were excavated from an area north of the southwest dispenser island. Approximately 100 cubic yards of soil were stockpiled. Three grab samples from the excavation and three soil samples from the stockpile were collected and submitted for analysis of TPHg, BTEX, methyl tertiary butyl ether (MTBE), and total lead. TPHg and benzene were detected above MTCA Method A cleanup levels in all stockpile samples. Benzene was detected above the MTCA Method A cleanup level in soil sample DP-1-3. Additional information is available in Delta's *Soil Excavation and Stockpile Sampling Report* dated April 3, 2007.

Appendix B

Boring Logs

SECOR
International Incorporated

PAGE 1 OF 1

FACILITY TEXACO #63-232-1418 JOB # 00920-027-01 BORING MW-2
LOCATION 210 NE 45TH ST., SEATTLE WELL NA
START 6/24/97 FINISH 6/24/97 CASING TOP ELEVATION NA
LOGGED BY J. NORTH MONITORING DEVICE
SUBCONTRACTOR AND EQUIPMENT CASCADE DRILLING CME 55
COMMENTS RE: DRILL AND DEEPEN EXISTING WELL

Penetration Results: Blows 6"/6"/6"	Sample Depth Interval, feet	PID Reading	Depth Below Surface, feet	Lithologic Description	Unified Soil Classification	Depth Below Surface, feet	Well Construction Schematic
			0	0 – 15' SEE EXISTING LOG FOR LITHOLOGIC DESCRIPTION	SM SP SM SP	0 5 10	
			15	15' – 25' SILTY SAND/SANDY SILT; dark grey; with gravel and cobbles; dense, moist	SM SP SM	15	
			20			20	
			25	Boring terminated at 25 feet.		25	

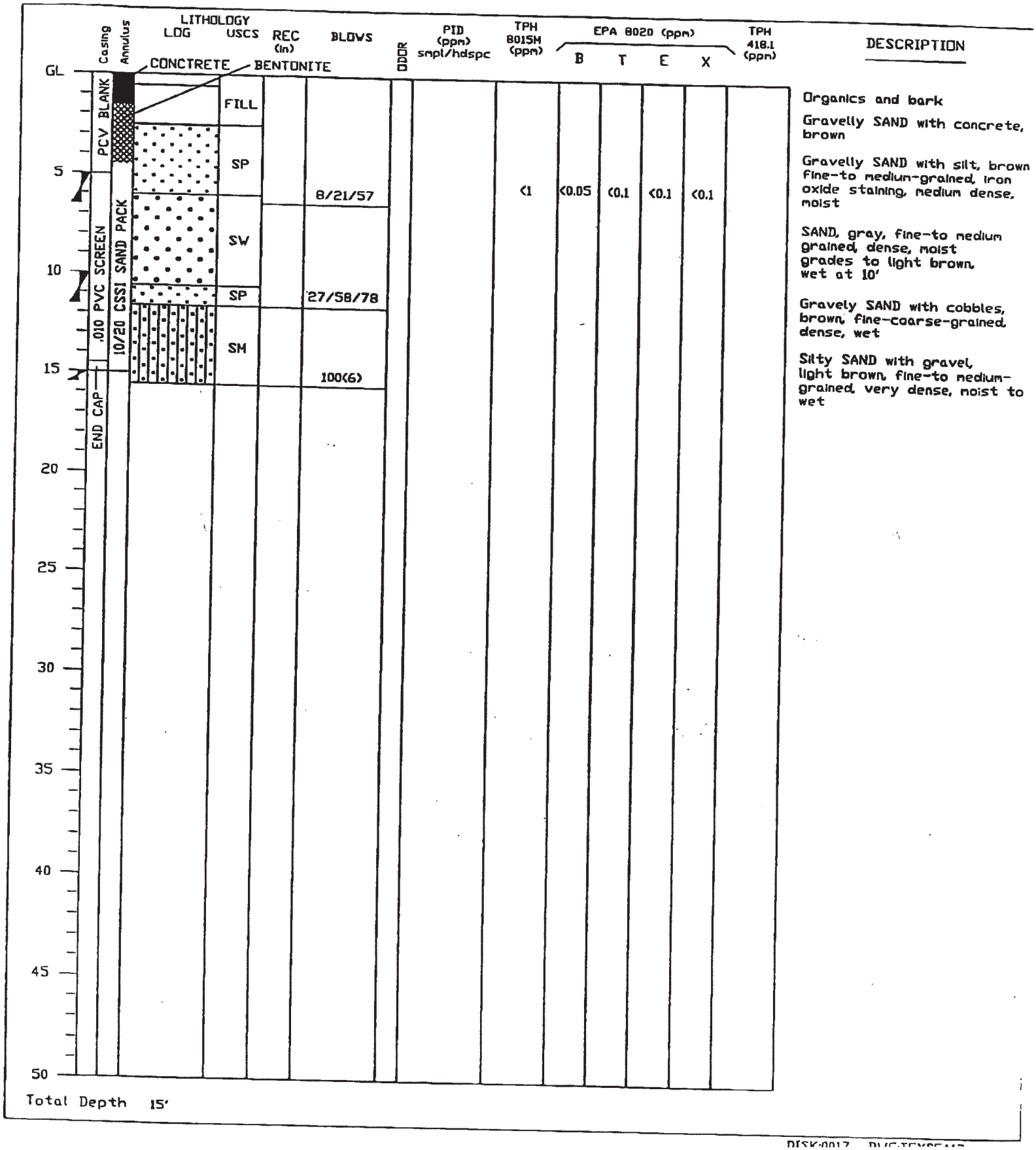
Field Screen/Lithologic Description Sample
Preserved Sample
No Recovery
Sample Submitted for Laboratory Analysis
Groundwater Level at Time of Drilling
Static Groundwater Level
SD Sheen Detected
NS No Sheen Detected
NT Not Tested
(2.5Y 4/2) Munsell (1990) Soil Color Charts
Gradational Contact
Contact Located Approximately
Contact
Concrete
Bentonite
BMC LONESTAR LAPIS LUSTAR 2/12
4" Blank Casing
4" PVC Prepack Screen Casing (0.010 slots)
End Cap

DWG: TEX27BL1

MONITORING WELL MW-3

SITE LOCATION: SEATTLE, WASHINGTON
ADDRESS: 210 N.E. 45TH STREET
DRILLING CO: HOLT DRILLING
LOGGED BY: J. GIEBER
SURFACE ELEV:

DATE: 10/22/91
TIME START: 1425
TIME STOP:
DRILLING METHOD: HSA (6" I.D.)

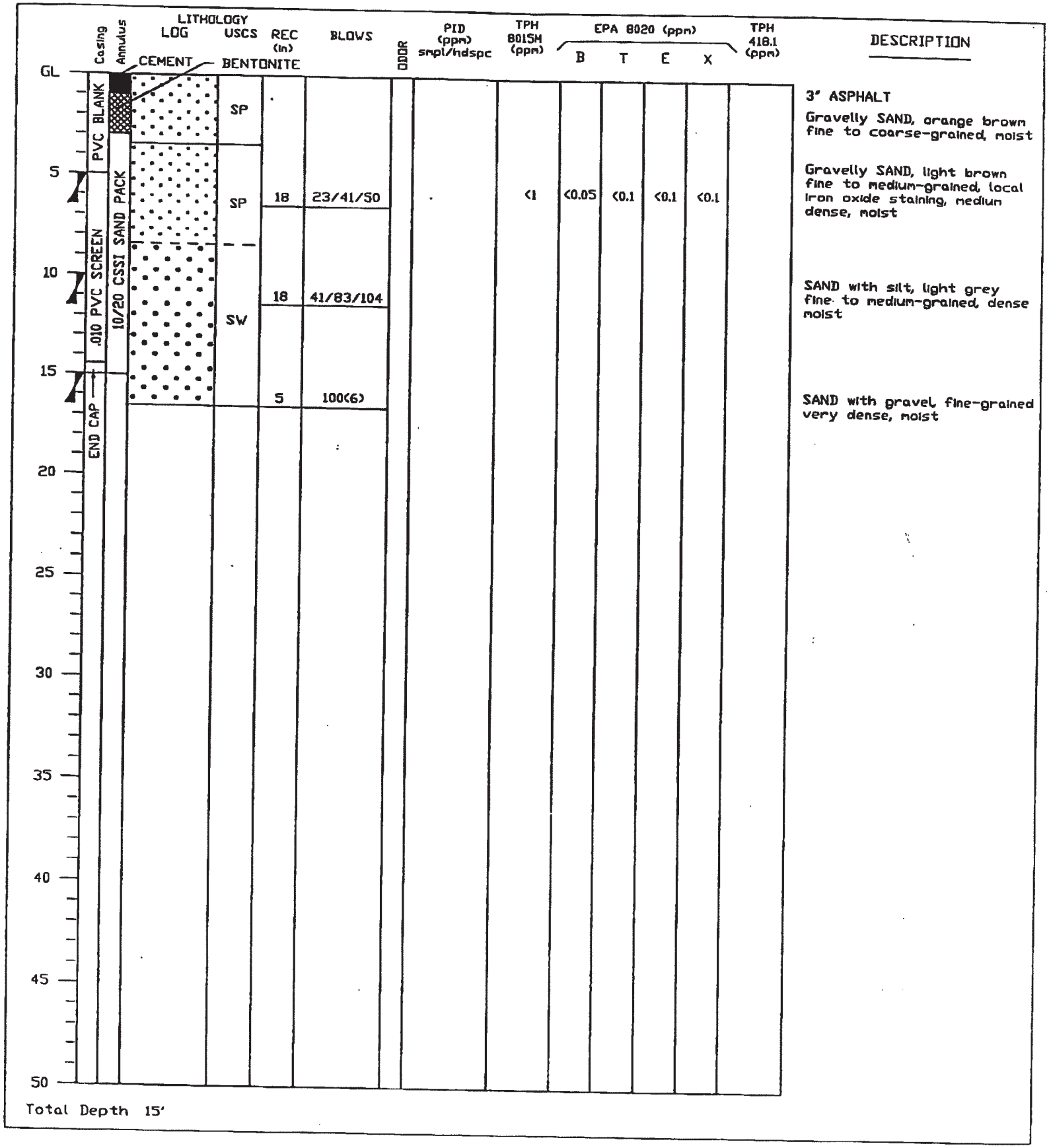


Total Depth 15'

MONITORING WELL MW-4

SITE LOCATION: SEATTLE, WASHINGTON
ADDRESS: 210 N.E. 45TH STREET
DRILLING CO: HOLT DRILLING
LOGGED BY: J. GIEBER
SURFACE ELEV:

DATE: 10/22/91
TIME START: 1105
TIME STOP: 1250
DRILLING METHOD: HSA (8-1/4" I.D.)

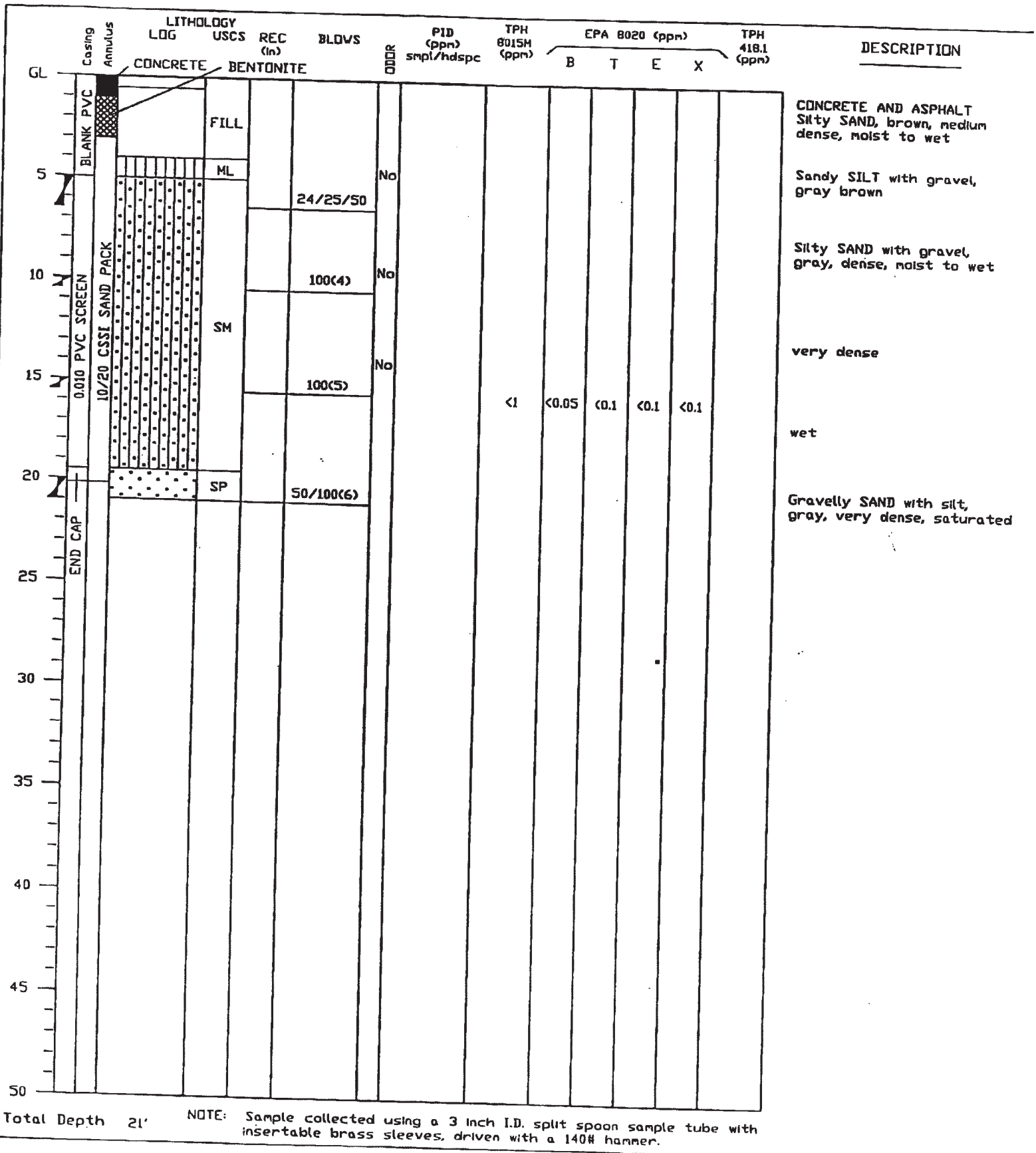


Total Depth 15'

MONITORING WELL MW-5

SITE LOCATION: SEATTLE, WASHINGTON
ADDRESS: 210 N.E. 45TH STREET
DRILLING CO: HOLT DRILLING
LOGGED BY: G. EHLERD
SURFACE ELEV:

DATE: 10/23/91
TIME START: 1300
TIME STOP:
DRILLING METHOD: HSA (6-1/4" I.D.)



Total Depth 21'

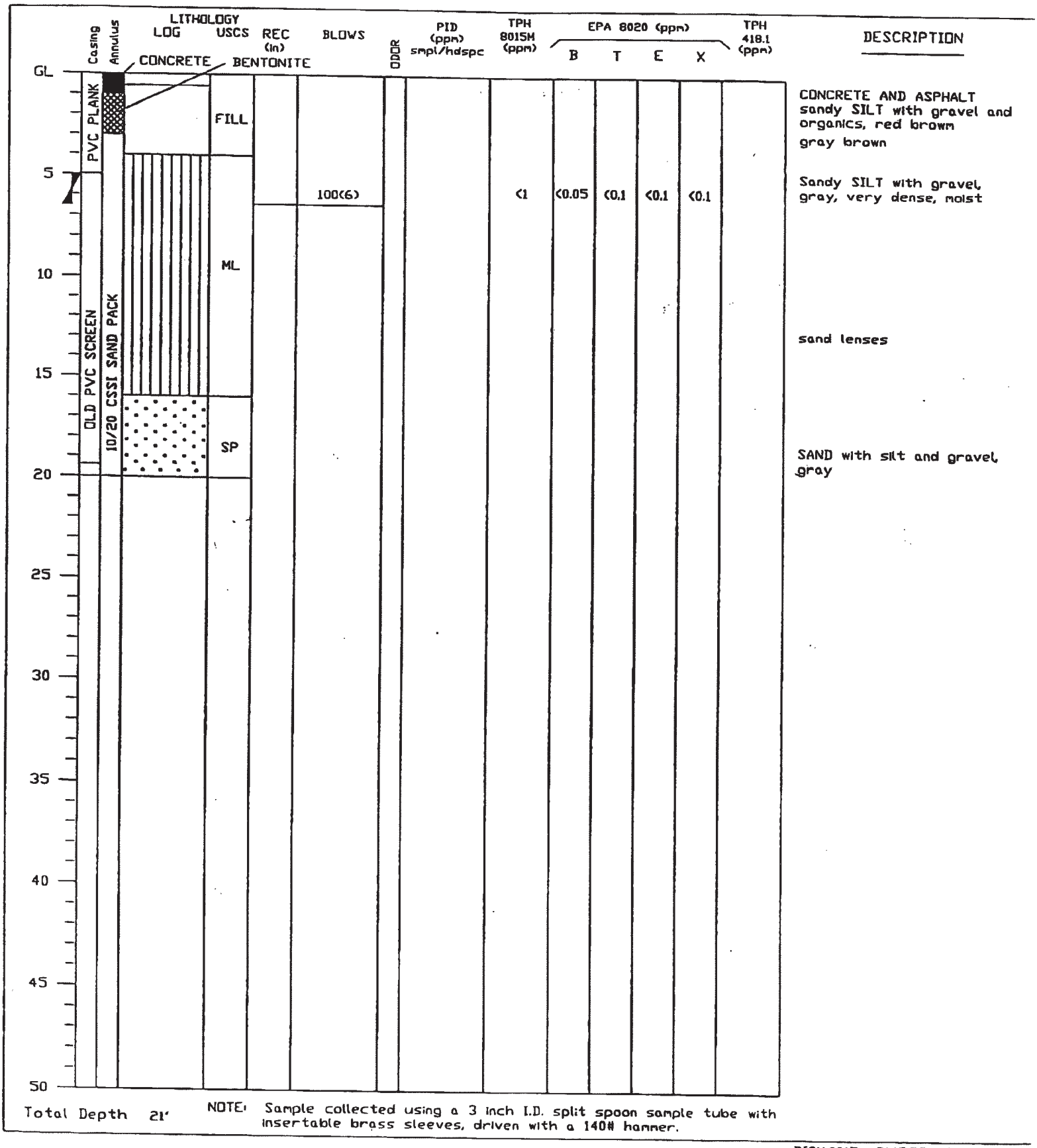
NOTE: Sample collected using a 3 inch I.D. split spoon sample tube with insertable brass sleeves, driven with a 140# hammer.

DISK0017 DUG-TEVERAIS

MONITORING WELL MW-6

SITE LOCATION: SEATTLE, WASHINGTON
ADDRESS: 210 N.E. 45TH STREET
DRILLING CO: HOLT DRILLING
LOGGED BY: G. EHLERD
SURFACE ELEV:

DATE: 10/23/91
TIME START: 0826
TIME STOP:
DRILLING METHOD: HSA (6-1/4" I.D.)



Total Depth 21'

NOTE: Sample collected using a 3 inch I.D. split spoon sample tube with insertable brass sleeves, driven with a 140# hammer.

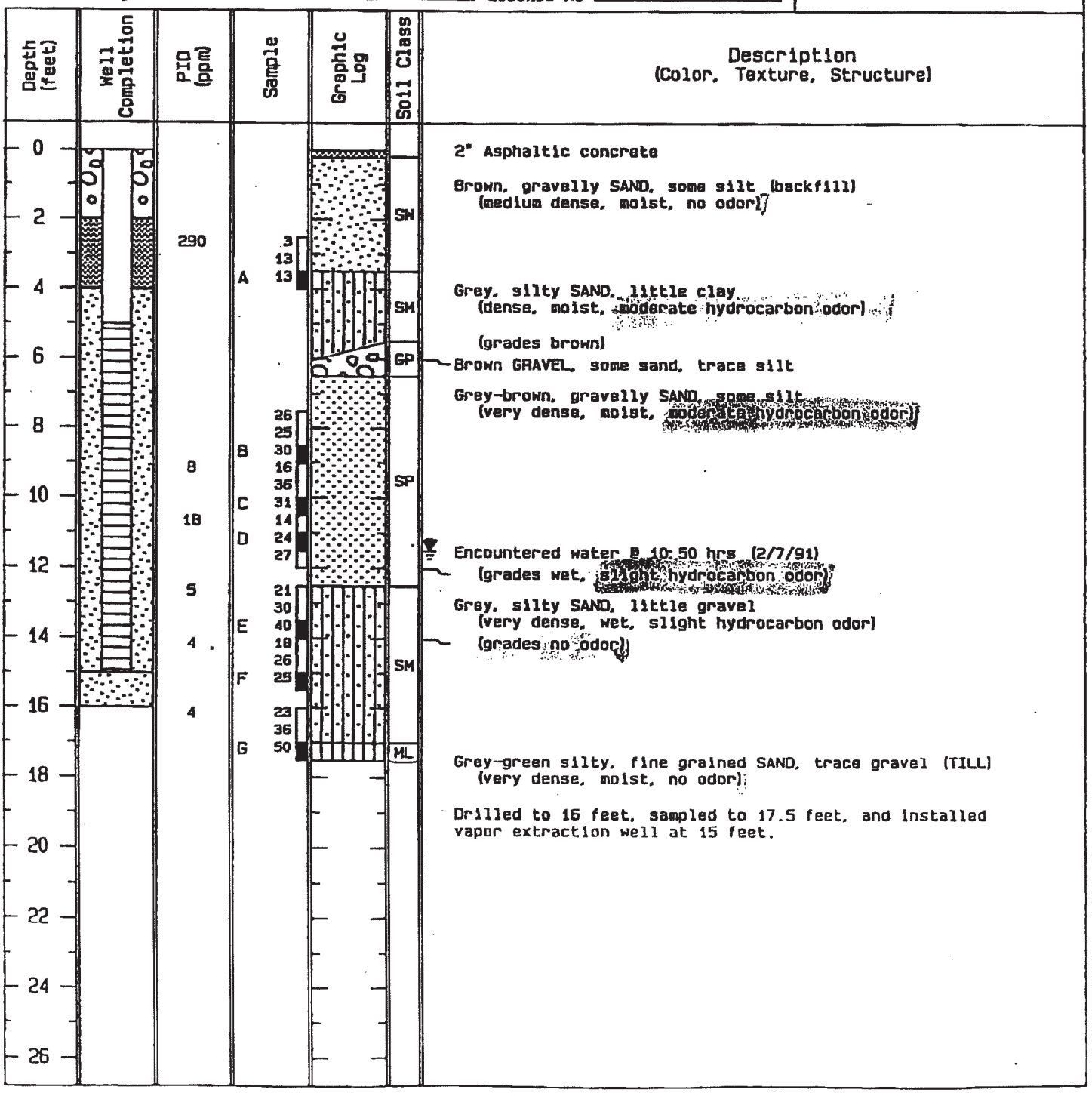
DISK:0017 DWG:TEXSEA16

Vapor Point VP-1
Drilling Log

Project Texaco/N.E. 45th Street Owner Texaco Ref. & Mkt. Inc.
Location 210 N.E. 45th Street Project Number 201-150-4341
Date Drilled 2/7/91 Total Depth of Hole 17.5 ft. Diameter 10 in.
Surface Elevation ____ Water Level Initial 11.5 ft. 24-hour ____
Screen: Dia 4.0 in. Length 10.0 ft. Slot Size 0.020 in.
Casing: Dia 4.0 in. Length 5.0 ft. Type SCH 40 PVC
Filter Pack Material 10-20 Silica sand
Drilling Company Geoboring and Dev. Inc. Drilling Method Hollow Stem Auger
Driller Pat Ternes Log by Stan Haskins
Geologist/Engineer ____ License No ____

See Site Map For Boring Location

NOTES:



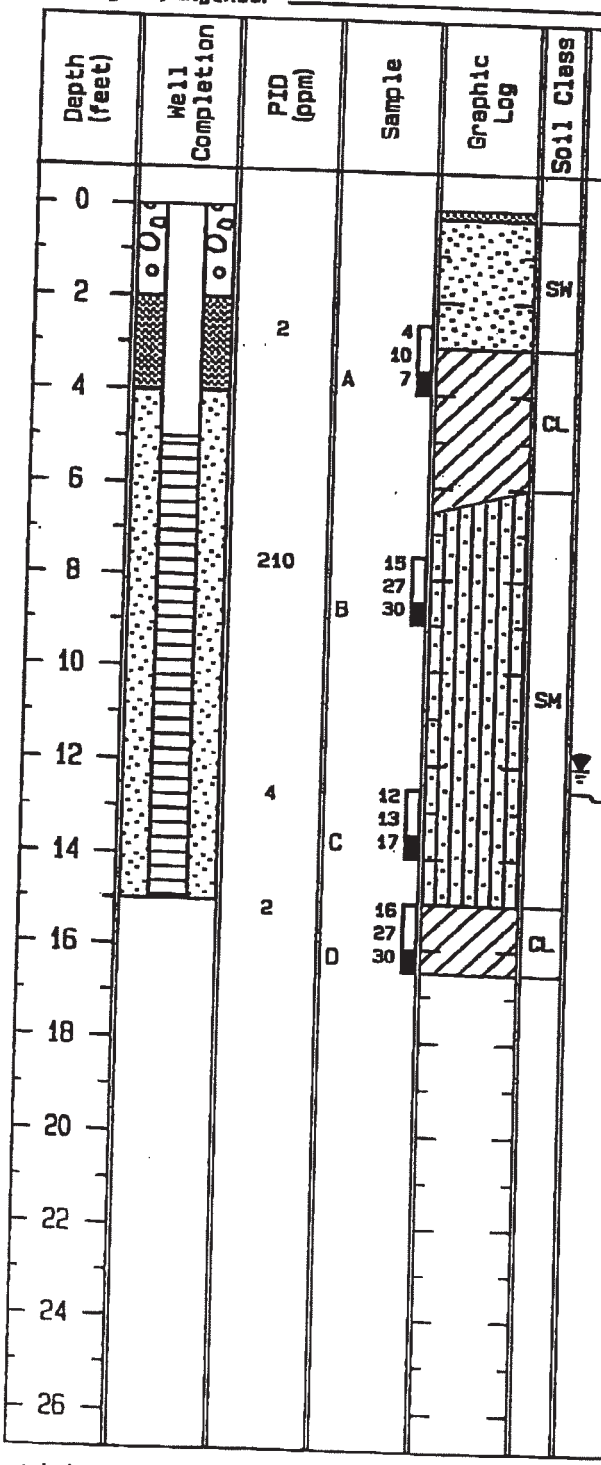
04/15/1991

Vapor Point VP-2
Drilling Log

Project Texaco/N.E. 45th Street — Owner Texaco Ref. & Mkt. Inc.
Location 210 N.E. 45th Street — Project Number 201-150-4341
Date Drilled 2/7/91 — Total Depth of Hole 16.5 ft. — Diameter 10 in.
Surface Elevation ____ — Water Level Initial 12.0 ft. — 24-hour ____
Screen: Dia 4.0 in. — Length 10.0 ft. — Slot Size 0.020 in.
Casing: Dia 4.0 in. — Length 5.0 ft. — Type SCH 40 PVC
Filter Pack Material 10-20 Silica sand
Drilling Company Geoboring and Dev. Inc. — Drilling Method Hollow Stem Auger
Driller Pat Ternes — Log by Stan Haskins
Geologist/Engineer ____ — License No ____

See Site Map For Boring Location

NOTES:



Description
(Color, Texture, Structure)

3" Asphaltic concrete

Dark-grey, gravelly SAND, some silt (backfill)
(medium dense, moist, no odor)

Grey-tan, silty CLAY, little sand
(medium dense, dry, no odor)

Grey, silty SAND
(very dense, moist-wet, moderate hydrocarbon odor)

Encountered water @ 13:45 hrs (2/7/91)
(grades brown, trace clay, dense, wet, no odor)

Brown, silty CLAY
(very stiff, wet, no odor)

Drilled to 15 feet, sampled to 16.5 feet, and installed vapor extraction well at 15 feet.

04/17/1991

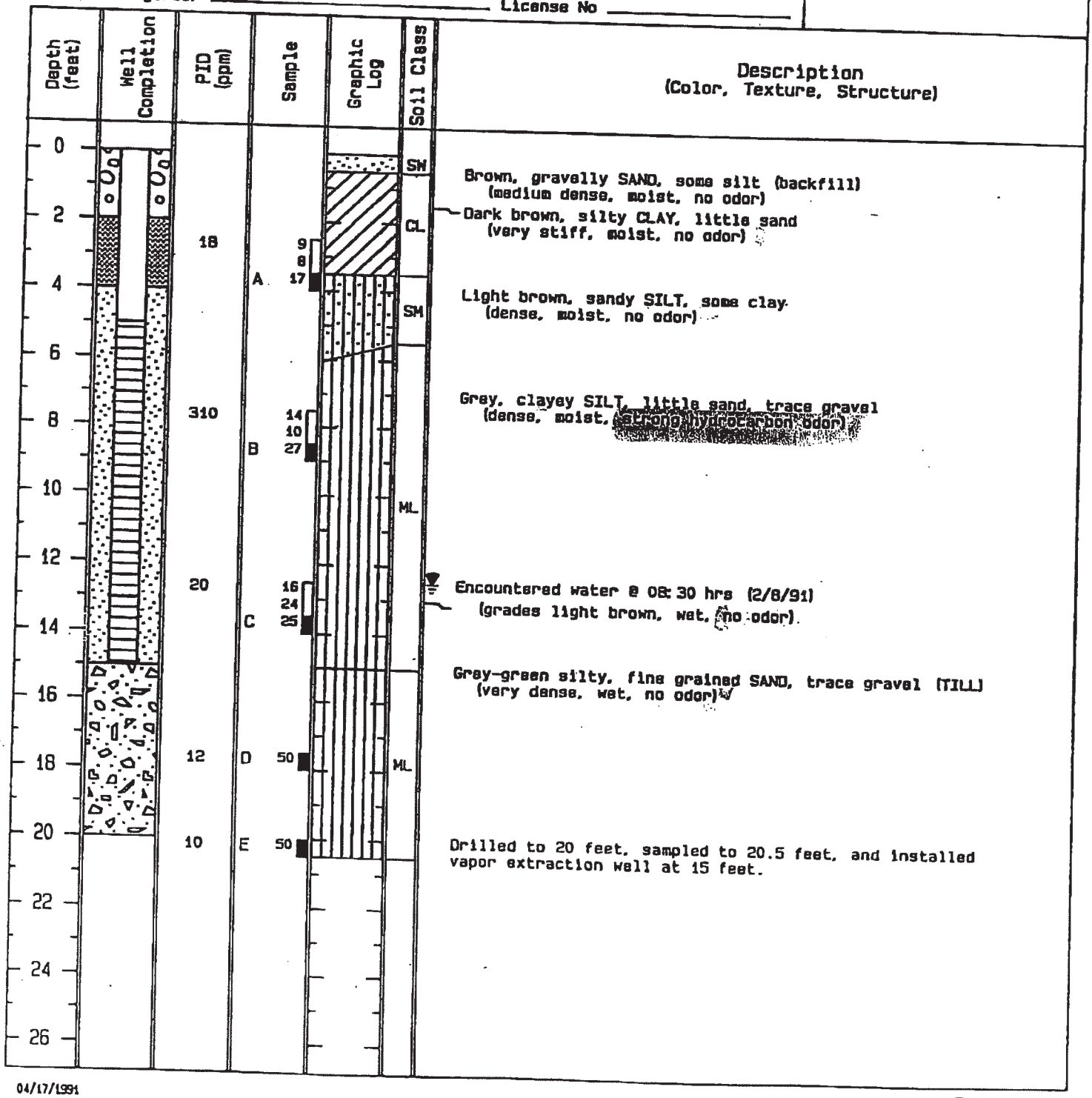
Vapor Point VP-3
Drilling Log

Project Texaco/N.E. 45th Street
Location 210 N.E. 45th Street
Date Drilled 2/8/91
Surface Elevation
Screen: Dia 4.0 in. Length 10.0 ft. Slot Size 0.020 in.
Casing: Dia 4.0 in. Length 5.0 ft. Type SCH 40 PVC
Filter Pack Material 10-20 Silica sand
Drilling Company Geoboring and Dev. Inc. Drilling Method Hollow Stem Auger
Driller Pat Ternes Log by Stan Haskins
Geologist/Engineer License No

Owner Texaco Ref. & Mkt, Inc.
Project Number 201-150-4341
Total Depth of Hole 20.5 ft. Diameter 10 in.
Water Level Initial 12.5 ft. 24-hour

See Site Map For Boring Location

NOTES:



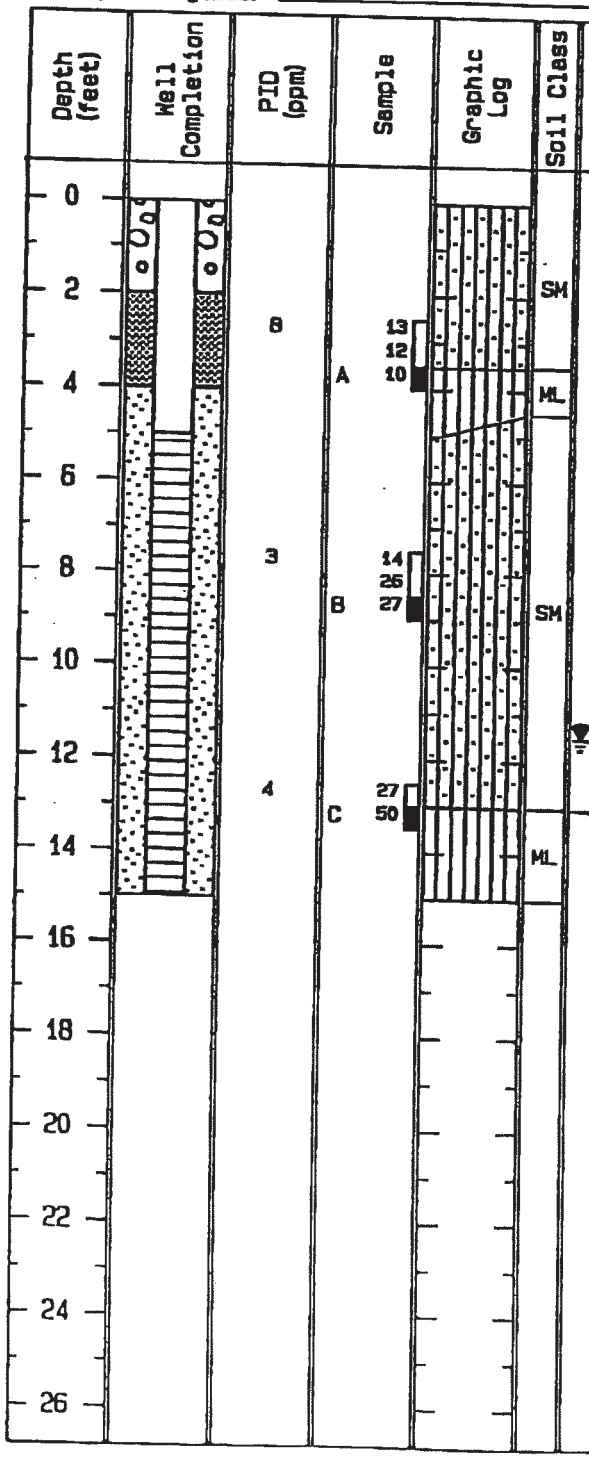
04/17/1991

Vapor Point VP-4
Drilling Log

Project Texaco/N.E. 45th Street — Owner Texaco Ref. & Mkt. Inc.
Location 210 N.E. 45th Street — Project Number 201-150-4341
Date Drilled 2/8/91 — Total Depth of Hole 15 ft. — Diameter 10 in.
Surface Elevation ____ — Water Level Initial 11.5 ft. — 24-hour ____
Screen: Dia 4.0 in. — Length 10.0 ft. — Slot Size 0.020 in.
Casing: Dia 4.0 in. — Length 5.0 ft. — Type SCH 40 PVC
Filter Pack Material 10-20 Silica sand
Drilling Company Geoboring and Dev. Inc. — Drilling Method Hollow Stem Auger
Driller Pat Ternes — Log by Stan Haskins
Geologist/Engineer ____ — License No ____

See Site Map For Boring Location

NOTES:



Description
(Color, Texture, Structure)

Brown, silty SAND, trace gravel (loose, dry, no odor)

Brown, clayey SILT, trace sand (medium dense, moist, no odor)

Brown, silty SAND, some gravel (dense, moist, no odor)

(grades grey-brown)

(grades grey)

Encountered water @ 10:45 hrs (2/8/91)

(grades grey-white, wet)

Grey-green silty, fine grained SAND, trace gravel (TILL) (very dense, wet, no odor)

Drilled to 15 feet and installed vapor extraction well.

04/17/1991

SECOR
International Incorporated

FACILITY TEXACO #63-232-1416 JOB # 00820-027-01 BORING VP-5
LOCATION 210 NE 45TH ST., SEATTLE WELL NA
START 6/24/97 FINISH 6/24/97 CASING TOP ELEVATION NA
LOGGED BY J. NORTH MONITORING DEVICE
SUBCONTRACTOR AND EQUIPMENT CASCADE DRILLING CME 55
COMMENTS RE: DRILL AND DEEPEN EXISTING WELL

Penetration Results Blows 6"/6"/6"	Sample Depth Interval, feet	PID Reading	Depth Below Surface, feet	Lithologic Description	Unified Soil Classification	Depth Below Surface, feet	Well Construction Schematic
			0	0 – 15' SEE EXISTING LOG FOR LITHOLOGIC DESCRIPTION	SP	0	
			15	15' – 25' SILTY SAND/SANDY SILT; dark grey; with gravel and cobbles; dense, moist	sm	15	
			25	Boring terminated at 25 feet.		25	

Field Screen/Lithologic Description Sample
Preserved Sample
No Recovery
Sample Submitted for Laboratory Analysis
Groundwater Level at Time of Drilling
Static Groundwater Level
SD Sheen Detected
NS No Sheen Detected
NT Not Tested
(2.5Y 4/2) Munsell (1990) Soil Color Charts
Gradational Contact
Contact Located Approximately
Contact
Concrete
Bentonite
BMC LONESTAR LAPIS LUSTAR 2/12
4" Blank Casing
4" PVC Prepack Screen Casing (0.010 slots)
End Cap

DWG: TEX276L1

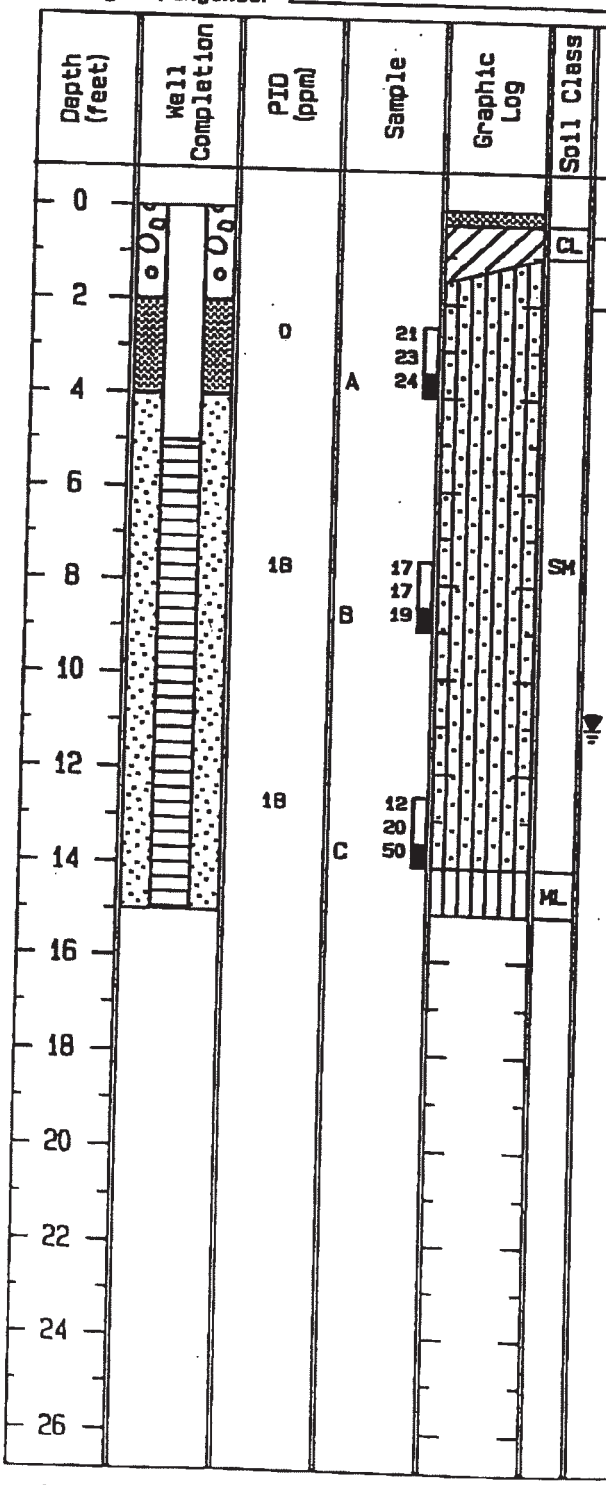
Vapor Point VP-6
Drilling Log

Project Texaco/N.E. 45th Street
Location 210 N.E. 45th Street
Date Drilled 2/8/91
Surface Elevation
Screen: Dia 4.0 in. Length 10.0 ft. Slot Size 0.020 in.
Casing: Dia 4.0 in. Length 5.0 ft. Type SCH 40 PVC
Filter Pack Material 10-20 Silica sand
Drilling Company Geoboring and Dev. Inc. Drilling Method Hollow Stem Auger
Driller Pat Ternes Log by Stan Haskins
Geologist/Engineer License No

Owner Texaco Ref. & Mkt. Inc.
Project Number 201-150-4341
Total Depth of Hole 15.0 ft. Diameter 10 in.
Water Level Initial 11.0 ft. 24-hour

See Site Map For Boring Location

NOTES:



Description
(Color, Texture, Structure)

2" Asphaltic concrete
Light brown, silty CLAY, some gravel (medium stiff, moist, no odor)
Brown, silty SAND, some clay (dense, moist, no odor)
(grades grey, trace gravel)
(grades cobbles 6.0-6.5 feet)
(grades moderate hydrocarbon odor)
Encountered water @ 14:40 hrs (2/8/91)
(grades wet, slight hydrocarbon odor)
Grey-green silty, fine grained SAND, trace gravel (TILL) (very dense, wet, no odor)
Drilled to 15 feet and installed a vapor extraction well.

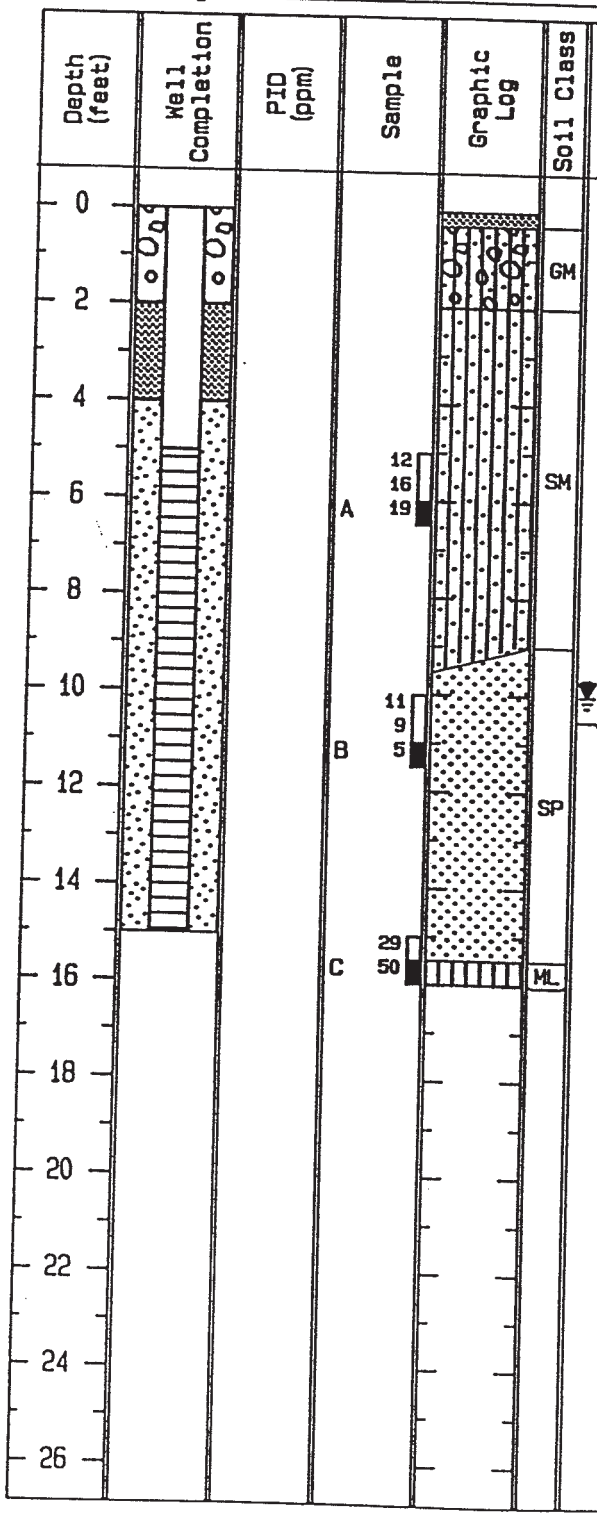
04/17/1991

Vapor Point VP-7
Drilling Log

Project Texaco/N.E. 45th Street — Owner Texaco Ref. & Mkt. Inc.
Location 210 N.E. 45th Street — Project Number 201-150-4341
Date Drilled 2/11/91 — Total Depth of Hole 16.0 ft. — Diameter 10 in.
Surface Elevation ____ — Water Level Initial 10.0 ft. — 24-hour ____
Screen: Dia 4.0 in. — Length 10.0 ft. — Slot Size 0.020 in.
Casing: Dia 4.0 in. — Length 5.0 ft. — Type SCH 40 PVC
Filter Pack Material 10-20 Silica sand
Drilling Company Geoboring and Dev. Inc. — Drilling Method Hollow Stem Auger
Driller Pat Ternes — Log by Stan Haskins
Geologist/Engineer ____ — License No ____

See Site Map For Boring Location

NOTES:



Description
(Color, Texture, Structure)

2" Asphaltic concrete

Dark brown, silty GRAVEL, some sand (medium dense, moist, no odor)

Dark brown, silty SAND, trace gravel (dense, dry, no odor)

(grades grey, moist, moderate hydrocarbon odor)

Encountered water @ 09:05 hrs (2/11/91)

Grey SAND, some silt, trace gravel (medium dense, wet, slight hydrocarbon odor)

Grey-green silty, fine grained SAND, trace gravel (TILL) (very dense, wet, no odor)

Drilled to 15 feet, sampled to 15.5 feet and installed a vapor extraction well at 15 feet.

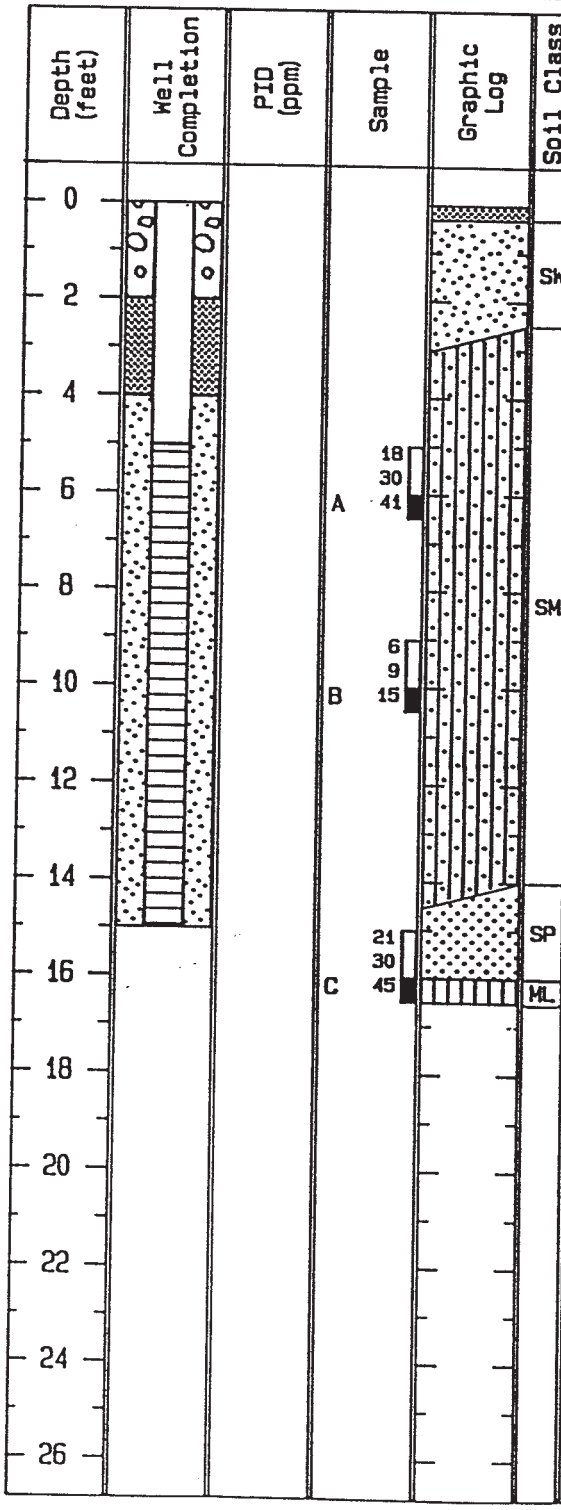
04/17/1991

Vapor Point VP-8
Drilling Lo

Project Texaco/N.E. 45th Street Owner Texaco Ref. & Mkt. Inc.
Location 210 N.E. 45th Street Project Number 201-150-4341
Date Drilled 2/11/91 Total Depth of Hole 16.5 ft. Diameter 10 in.
Surface Elevation ____ Water Level Initial 11.0 ft. 24-hour ____
Screen: Dia 4.0 in. Length 10.0 ft. Slot Size 0.020 in.
Casing: Dia 4.0 in. Length 5.0 ft. Type SCH 40 PVC
Filter Pack Material 10-20 Silica sand
Drilling Company Geoboring and Dev. Inc. Drilling Method Hollow Stem Auger
Driller Pat Ternes Log by Stan Haskins
Geologist/Engineer ____ License No ____

See Site Map For Boring Location

NOTES:



Description
(Color, Texture, Structure)

2" Asphaltic concrete

Dark brown, gravelly SAND, some silt
(medium dense, moist, slight hydrocarbon odor)

Dark-light brown, silty SAND, trace gravel
(very dense, moist, no odor)

(grades grey)

(grades strong hydrocarbon odor)

Encountered water @ 10:25 hrs (2/11/91)
(grades wet) note: sheen observed in the wash bucket.

Brown SAND, some silt
(dense, wet, no odor)

Grey-green silty, fine grained SAND, trace gravel (TILL)
(very dense, wet, no odor)

Drilled to 15 feet, sampled to 16.5 feet and installed a vapor extraction well at 15 feet.

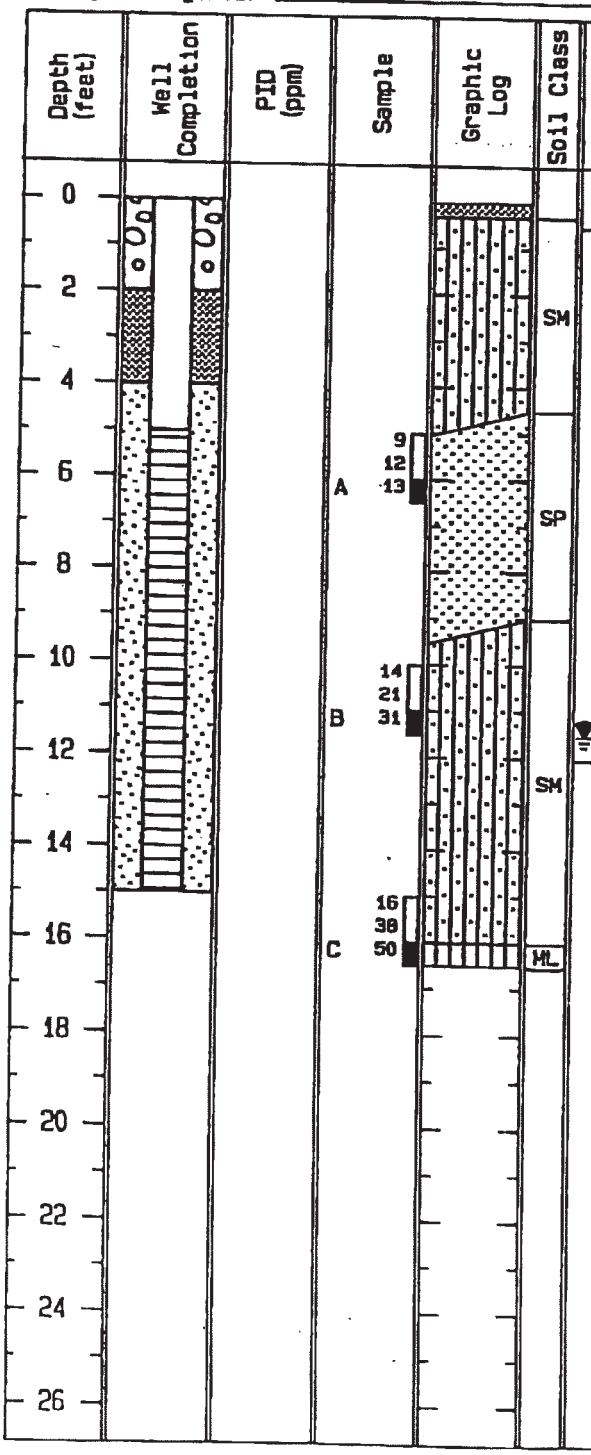
04/17/1991

Vapor Point VP-9
Drilling Log

Project Texaco/N.E. 45th Street Owner Texaco Ref. & Mkt. Inc.
Location 210 N.E. 45th Street Project Number 201-150-4341
Date Drilled 2/11/91 Total Depth of Hole 16.5 ft. Diameter 10 in.
Surface Elevation ____ Water Level Initial 11.5 ft. 24-hour ____
Screen: Dia 4.0 in. Length 10.0 ft. Slot Size 0.020 in.
Casing: Dia 4.0 in. Length 5.0 ft. Type SCH 40 PVC
Filter Pack Material 10-20 Silica sand
Drilling Company Geoboring and Dev. Inc. Drilling Method Hollow Stem Auger
Driller Pat Ternes Log by Stan Haskins
Geologist/Engineer ____ License No ____

See Site Map For Boring Location

NOTES:



Description
(Color, Texture, Structure)

2" Asphaltic concrete
Brown, silty SAND, some gravel (medium dense, dry, no odor)

Brown SAND, some silt (medium dense, moist, no odor)

Grey, silty SAND, trace gravel (very dense, moist, no odor)

Encountered water @ 12:40 hrs (2/11/91) (grades wet)

Grey-green silty, fine grained SAND, trace gravel (TILL) (very dense, wet, no odor)

Drilled to 15 feet, sampled to 16.5 feet and installed a vapor extraction well.

04/18/1991

SOIL BORING SB-2

SITE LOCATION: SEATTLE, WASHINGTON
ADDRESS: 210 N.E. 45TH STREET
DRILLING CO: HOLT DRILLING
LOGGED BY: J.GIEBER
SURFACE ELEV:

DATE: 10/21/91
TIME START: 1545
TIME STOP: 1715
DRILLING METHOD: HSA(4-1/4"I.D.)

Casing / Annulus	LITHOLOGY LOG	USCS	REC (in)	BLOWS	ODOR	PID (ppm) smpl/hdspc	TPH 8015M (ppm)	EPA 8020 (ppm) B	T	E	X	TPH 418.1 (ppm)	DESCRIPTION
	CONCRETE												3' Asphalt
CHIP BENTONITE / HOLE PLUG		SP	18	19.21/27									Gravelly SAND, brown, fine-to coarse-grained, moist, dense
			18	23/27/31			<1	<0.05	<0.1	<0.1	<0.1		Silty SAND, light brown, fine-to medium-grained, some gravel, moist to wet, loose
			18	24/8/6									
		SM	18	7/8/6									SAND, light brown, fine-to medium-grained, some gravel, wet to saturated, medium dense
		SP	18	7/17/18									
			11	24/50(3)									

GL, 5, 10, 15, 20, 25, 30, 35, 40, 45, 50

Total Depth 12'

DISK:0017 DWG:TEXSEA10

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: 210-SEAT
PROJECT NUMBER: 060493
CLIENT: SHELL OIL PRODUCTS US
LOCATION: 210 NE 45TH ST, SEATTLE, WA

HOLE DESIGNATION: SB-3
DATE COMPLETED: October 7, 2013
DRILLING METHOD: HAND AUGER/ VAC/ AIR KNIFE
FIELD PERSONNEL: A. SCHWEITER

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE BLOW COUNTS	SAMPLE PID (ppm)
0	ASPHALT	0.33	CONCRETE					
	SM-SILTY SAND, with gravel, coarse grained, dark brown, moist		BENTONITE CHIPS					
2	- PIPE at 2.0ft BGS	2.00						22.6
	END OF BOREHOLE @ 2.5ft BGS							
4	NOTE: BORING WAS TERMINATED AT 2.5ft BGS DUE TO PRESENCE OF COBBLES							
6								
8								
10								
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: 210-SEAT
PROJECT NUMBER: 060493
CLIENT: SHELL OIL PRODUCTS US
LOCATION: 210 NE 45TH ST, SEATTLE, WA

HOLE DESIGNATION: SB-4
DATE COMPLETED: October 7, 2013
DRILLING METHOD: HAND AUGER/ VAC/ AIR KNIFE
FIELD PERSONNEL: A. SCHWEITER

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE BLOW COUNTS	SAMPLE PID (ppm)
	ASPHALT	0.33	CONCRETE					
	SP-SAND, with minor silt and minor gravel, medium grained, brown, moist, no odor							
4								98.3
6			BENTONITE CHIPS					
10	- dark gray, strong odor at 10.0ft BGS		▽					103.7
	- with silt, wet, sheen at 11.0ft BGS							1115
12	- saturated at 12.0ft BGS							109.4
	END OF BOREHOLE @ 12.5ft BGS	12.50						
14	NOTE: BORING WAS TERMINATED AT 12.5ft BGS DUE TO PRESENCE OF COBBLES							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: 210-SEAT
PROJECT NUMBER: 060493
CLIENT: SHELL OIL PRODUCTS US
LOCATION: 210 NE 45TH ST, SEATTLE, WA

HOLE DESIGNATION: SB-5
DATE COMPLETED: October 7, 2013
DRILLING METHOD: HAND AUGER/ VAC/ AIR KNIFE
FIELD PERSONNEL: A. SCHWEITER

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE BLOW COUNTS	SAMPLE PID (ppm)
	ASPHALT	0.33	CONCRETE					
2	SM-SILTY SAND, with gravel, medium grained, brown, moist	2.00						
	PEA GRAVEL	3.00						91.4
4	SM-SILTY SAND, with gravel, medium grained, brown, moist, no odor		BENTONITE CHIPS					131.4
6	- cobbles at 7.0ft BGS							
8	- with some clay, strong odor at 8.0ft BGS							145.3
	END OF BOREHOLE @ 8.5ft BGS	8.50						
10	NOTE: BORING WAS TERMINATED AT 8.5ft BGS DUE TO PRESENCE OF COBBLES							
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: 210-SEAT
PROJECT NUMBER: 060493
CLIENT: SHELL OIL PRODUCTS US
LOCATION: 210 NE 45TH ST, SEATTLE, WA

HOLE DESIGNATION: SB-6
DATE COMPLETED: October 8, 2013
DRILLING METHOD: HAND AUGER/ VAC/ AIR KNIFE
FIELD PERSONNEL: A. SCHWEITER

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE BLOW COUNTS	SAMPLE PID (ppm)
	CONCRETE	0.58	CONCRETE					
2	SM-SILTY SAND, with gravel, medium grained, gray, moist, strong odor							
	- asphalt chunk at 3.5ft BGS		BENTONITE CHIPS					125.5
4								
6	- quarry spalls from 6.0 to 7.0ft BGS							
	END OF BOREHOLE @ 7.0ft BGS	7.00						
8	NOTE: BORING WAS TERMINATED AT 7.0ft BGS DUE TO PRESENCE OF COBBLES							
10								
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: 210-SEAT
PROJECT NUMBER: 060493
CLIENT: SHELL OIL PRODUCTS US
LOCATION: 210 NE 45TH ST, SEATTLE, WA

HOLE DESIGNATION: SB-7
DATE COMPLETED: October 8, 2013
DRILLING METHOD: HAND AUGER/ VAC/ AIR KNIFE
FIELD PERSONNEL: A. SCHWEITER

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	BOREHOLE	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE BLOW COUNTS	SAMPLE PID (ppm)
	ASPHALT	0.25	CONCRETE					
2	SM-SILTY SAND, with gravel, medium grained, red/brown, moist, no odor							115.4
4								62.5
6			BENTONITE CHIPS					
8	- gray, strong odor at 8.0ft BGS							1376
10			▽					
12	- saturated at 11.5ft BGS - cobbles at 12.0ft BGS	12.00						1867
	END OF BOREHOLE @ 12.0ft BGS							
14	NOTE: BORING WAS TERMINATED AT 12.0ft BGS DUE TO PRESENCE OF COBBLES							
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽

Appendix C

Soil Laboratory Analytical Reports

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Tel: (615)726-0177

TestAmerica Job ID: 490-37275-1
TestAmerica Sample Delivery Group: 490372751
Client Project/Site: 210 NE 45th ST Seattle WA

For:
Conestoga-Rovers & Associates, Inc.
20818 44th Ave W
Suite 190
Lynnwood, Washington 98036

Attn: Michael Lam

Authorized for release by:
10/23/2013 3:51:46 PM

Ryan Fitzwater, Senior Project Manager
(615)726-0177
ryan.fitzwater@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

Table of Contents

Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 210 NE 45th ST Seattle WA

TestAmerica Job ID: 490-37275-1
SDG: 490372751

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-37275-1	SO-060493-100713-AS-SB-3-2'	Solid	10/07/13 09:50	10/09/13 08:15
490-37275-2	SO-060493-100713-AS-SB-4-4'	Solid	10/07/13 14:45	10/09/13 08:15
490-37275-3	SO-060493-100713-AS-SB-4-10'	Solid	10/07/13 15:10	10/09/13 08:15
490-37275-4	SO-060493-100713-AS-SB-4-11'	Solid	10/07/13 15:30	10/09/13 08:15
490-37275-5	SO-060493-100713-AS-SB-4-12'	Solid	10/07/13 15:55	10/09/13 08:15
490-37275-6	SO-060493-100713-AS-SB-5-3'	Solid	10/07/13 10:45	10/09/13 08:15
490-37275-7	SO-060493-100713-AS-SB-5-4'	Solid	10/07/13 10:50	10/09/13 08:15
490-37275-8	SO-060493-100713-AS-SB-5-8'	Solid	10/07/13 13:00	10/09/13 08:15
490-37275-9	Trip Blank	Solid	10/07/13 00:01	10/09/13 08:15

Job ID: 490-37275-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative
490-37275-1

Comments
No additional comments.

Receipt
The samples were received on 10/9/2013 8:15 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.1° C.

GC/MS VOA
Method(s) 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 114356. See lcs/lcsd

Method(s) 8260B: Internal standard responses were outside of acceptance limits for the following sample(s): CA-1009-142 (1-5) (490-37587-2 MS), CA-1009-142 (1-5) (490-37587-2 MSD). The sample(s) shows evidence of matrix interference.

Method(s) 8260B: Internal standard responses were outside of acceptance limits for the following sample(s): CA-1009-142 (1-5) (490-37587-2). The sample(s) shows evidence of matrix interference.

Method(s) 8260B: Surrogate recovery for the following sample(s) was outside control limits: CA-1009-142 (1-5) (490-37587-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 11435. See LCS/LCSD

Method(s) 8260B: Internal standard responses were outside of acceptance limits for the following sample(s): SO-060493-100713-AS-SB-5-3' (490-37275-6). The sample(s) shows evidence of matrix interference.

Method(s) 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 114676. See LCS/LCSD

Method(s) 8260B: Surrogate recovery for the following sample(s) was outside control limits: SO-060493-100713-AS-SB-3-2' (490-37275-1), SO-060493-100713-AS-SB-4-10' (490-37275-3), SO-060493-100713-AS-SB-4-12' (490-37275-5). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8260B: Internal standard responses were outside of acceptance limits for the following sample(s): SO-060493-100713-AS-SB-3-2' (490-37275-1). The sample(s) shows evidence of matrix interference.

Method(s) 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 114674. See LCS/LCSD

Method(s) 8260B: Surrogate recovery for the following sample(s) was outside control limits: SO-060493-100713-AS-SB-4-11' (490-37275-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8260B: Due to sample matrix effect on the internal standard (ISTD), a dilution was required for the following sample(s): SO-060493-100713-AS-SB-4-11' (490-37275-4).

Method(s) 8260B: Surrogate recovery for the following sample(s) was outside control limits: SO-060493-100713-AS-SB-4-11' (490-37275-4). Evidence of matrix interference is present, and no compound assoiciated with this surrogate are being reported; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8260B: The following sample(s) was diluted due to the nature of the sample matrix: SO-060493-100713-AS-SB-4-11' (490-37275-4). Elevated reporting limits (RLs) are provided.

Job ID: 490-37275-1 (Continued)

Laboratory: TestAmerica Nashville (Continued)

Method(s) 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 114976. See lcs/lcsd

No other analytical or quality issues were noted.

GC/MS Semi VOA

Method(s) 8270C SIM: The matrix spike / matrix spike duplicate (MS/MSD) percent recoveries and %RPD for batch 114208 were outside control limits. This is attributed to abundance of target analytes at concentrations significantly higher than the spike concentration.

No other analytical or quality issues were noted.

GC VOA

Method(s) NWTPH-Gx: Insufficient sample volume was available to perform batch matrix spike/matrix spike duplicate (MS/MSD) associated with batch 113241. The laboratory control sample (LCS) was performed in duplicate to provide precision data for this batch.

Method(s) NWTPH/VPH: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 113330 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

GC Semi VOA

Method(s) NWTPH-Dx: The following sample(s) contained a single peak(s) contaminant for analyte C24-C40 which does not match a typical Total Petroleum Hydrocarbon (TPH) pattern used by the laboratory for quantitative purposes: (490-37275-1 DU), SO-060493-100713-AS-SB-3-2' (490-37275-1).

Method(s) NWTPH-Dx: The following sample(s) contained a hydrocarbon pattern for analyte C10-C24 which does not match a typical Total Petroleum Hydrocarbon (TPH) pattern used by the laboratory for quantitative purposes: SO-060493-100713-AS-SB-4-10' (490-37275-3). The following sample(s) contained a hydrocarbon pattern for analyte C24-C40 that most closely resembles a Motor oil product used by the laboratory for quantitative purposes: SO-060493-100713-AS-SB-4-10' (490-37275-3).

Method(s) NWTPH-Dx: The following sample(s) contained a hydrocarbon pattern for analyte C24-C40 that most closely resembles a Motor oil product used by the laboratory for quantitative purposes: SO-060493-100713-AS-SB-4-11' (490-37275-4).

Method(s) NWTPH-Dx: The following sample(s) contained a hydrocarbon pattern for analyte C10-C24 which does not match a typical Total Petroleum Hydrocarbon (TPH) pattern used by the laboratory for quantitative purposes: SO-060493-100713-AS-SB-4-11' (490-37275-4).

Method(s) NWTPH/EPH: The laboratory control sample (LCS) for batch 114054 recovered outside control limits for the following analyte: C21-34 Aromatics.

Method(s) NWTPH/EPH: The laboratory control sample (LCS) for batch 115624 recovered outside control limits for the following analytes: C12-C16 Aliphatics. The associated samples have been scheduled for re-extraction.

Method(s) NWTPH/EPH: The laboratory control sample (LCS) for batch 115624 recovered outside control limits for the following analytes: C16-C21 and C21-C34 Aromatics. The associated samples have been scheduled for re-extraction.

Method(s) NWTPH/EPH: Surrogate recovery of 1-Chlorooctadecane was outside control limits for the following sample: (LCS 490-115624/2-B), (MB 490-115624/1-B).

No other analytical or quality issues were noted.

Metals

Method(s) 6020: The matrix spike / matrix spike duplicate (MS/MSD) percent recoveries and %RPD for batch 490-114526 were outside control limits. <<EXPLANATION REQUIRED = This is attributed to: non-homogeneity of the sample matrix.>>

No other analytical or quality issues were noted.

Job ID: 490-37275-1 (Continued)

Laboratory: TestAmerica Nashville (Continued)

Organic Prep
No analytical or quality issues were noted.

VOA Prep
No analytical or quality issues were noted.

Job ID: 490-37275-2

Laboratory: TestAmerica Nashville

Narrative

Job Narrative
490-37275-2

Comments
No additional comments.

Receipt
The samples were received on 10/9/2013 8:15 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.1º C.

GC VOA
Method(s) NWTPH-Gx: Insufficient sample volume was available to perform batch matrix spike/matrix spike duplicate (MS/MSD) associated with batch 113241. The laboratory control sample (LCS) was performed in duplicate to provide precision data for this batch.

No other analytical or quality issues were noted.

GC Semi VOA
Method(s) NWTPH-Dx: The following sample(s) contained a hydrocarbon pattern for analyte C10-C24 that most closely resembles a Kerosene product used by the laboratory for quantitative purposes: SO-060493-100713-AS-SB-5-8' (490-37275-8).

Method(s) NWTPH-Dx: The following sample(s) contained a single peak(s) contaminant for analyte C24-C40 which does not match a typical Total Petroleum Hydrocarbon (TPH) pattern used by the laboratory for quantitative purposes: (490-37275-1 DU), SO-060493-100713-AS-SB-3-2' (490-37275-1).

No other analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

VOA Prep
No analytical or quality issues were noted.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	ISTD response or retention time outside acceptable limits
X	Surrogate is outside control limits
*	ISTD response or retention time outside acceptable limits

GC/MS Semi VOA

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.
F	MS/MSD Recovery and/or RPD exceeds the control limits

GC VOA

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F	MS/MSD Recovery and/or RPD exceeds the control limits

Metals

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

Glossary

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

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 210 NE 45th ST Seattle WA

TestAmerica Job ID: 490-37275-1
SDG: 490372751

Client Sample ID: SO-060493-100713-AS-SB-3-2'
Date Collected: 10/07/13 09:50
Date Received: 10/09/13 08:15

Lab Sample ID: 490-37275-1
Matrix: Solid
Percent Solids: 81.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00386**		0.00114		mg/Kg	☼	10/09/13 12:45	10/16/13 19:53	1
Ethylbenzene	ND		0.00114		mg/Kg	☼	10/09/13 12:45	10/16/13 19:53	1
Xylenes, Total	**0.00270**		0.00170		mg/Kg	☼	10/09/13 12:45	10/16/13 19:53	1
Toluene	**0.00116**		0.00114		mg/Kg	☼	10/09/13 12:45	10/16/13 19:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*152*	** X*	*70 - 130*	*10/09/13 12:45*	*10/16/13 19:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*	*10/09/13 12:45*	*10/16/13 19:53*	*1*
Toluene-d8 (Surr)	*142*	*X*	*70 - 130*	*10/09/13 12:45*	*10/16/13 19:53*	*1*
Dibromofluoromethane (Surr)	*96*		*70 - 130*	*10/09/13 12:45*	*10/16/13 19:53*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	ND		4.12		mg/Kg	☼	10/09/13 12:32	10/10/13 04:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*95*		*50 - 150*	*10/09/13 12:32*	*10/10/13 04:41*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	ND		5.95		mg/Kg	☼	10/10/13 12:24	10/11/13 06:51	1
C24-C40	**8.74**		5.95		mg/Kg	☼	10/10/13 12:24	10/11/13 06:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*72*		*50 - 150*	*10/10/13 12:24*	*10/11/13 06:51*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**81**		0.10		%			10/09/13 12:56	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 210 NE 45th ST Seattle WA

TestAmerica Job ID: 490-37275-1
SDG: 490372751

Client Sample ID: SO-060493-100713-AS-SB-4-4'
Date Collected: 10/07/13 14:45
Date Received: 10/09/13 08:15

Lab Sample ID: 490-37275-2
Matrix: Solid
Percent Solids: 93.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00104		mg/Kg	☼	10/09/13 12:45	10/16/13 17:52	1
Ethylbenzene	ND		0.00104		mg/Kg	☼	10/09/13 12:45	10/16/13 17:52	1
Xylenes, Total	ND		0.00155		mg/Kg	☼	10/09/13 12:45	10/16/13 17:52	1
Toluene	ND		0.00104		mg/Kg	☼	10/09/13 12:45	10/16/13 17:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*10/09/13 12:45*	*10/16/13 17:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 130*	*10/09/13 12:45*	*10/16/13 17:52*	*1*
Toluene-d8 (Surr)	*117*		*70 - 130*	*10/09/13 12:45*	*10/16/13 17:52*	*1*
Dibromofluoromethane (Surr)	*96*		*70 - 130*	*10/09/13 12:45*	*10/16/13 17:52*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	ND		2.74		mg/Kg	☼	10/09/13 12:32	10/10/13 01:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*87*		*50 - 150*	*10/09/13 12:32*	*10/10/13 01:20*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	ND		4.80		mg/Kg	☼	10/10/13 12:24	10/11/13 07:21	1
C24-C40	ND		4.80		mg/Kg	☼	10/10/13 12:24	10/11/13 07:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*82*		*50 - 150*	*10/10/13 12:24*	*10/11/13 07:21*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	93		0.10		%			10/09/13 12:56	1

Client Sample ID: SO-060493-100713-AS-SB-4-10'
Lab Sample ID: 490-37275-3
Date Collected: 10/07/13 15:10
Matrix: Solid
Date Received: 10/09/13 08:15
Percent Solids: 91.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.000896		mg/Kg	☼	10/09/13 12:45	10/16/13 18:53	1
Ethylbenzene	ND		0.000896		mg/Kg	☼	10/09/13 12:45	10/16/13 18:53	1
Xylenes, Total	ND		0.00134		mg/Kg	☼	10/09/13 12:45	10/16/13 18:53	1
Toluene	ND		0.000896		mg/Kg	☼	10/09/13 12:45	10/16/13 18:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*151*	*X*	*70 - 130*	*10/09/13 12:45*	*10/16/13 18:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 130*	*10/09/13 12:45*	*10/16/13 18:53*	*1*
Toluene-d8 (Surr)	*117*		*70 - 130*	*10/09/13 12:45*	*10/16/13 18:53*	*1*
Dibromofluoromethane (Surr)	*88*		*70 - 130*	*10/09/13 12:45*	*10/16/13 18:53*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	**115**		2.81		mg/Kg	☼	10/09/13 12:32	10/10/13 06:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*83*		*50 - 150*	*10/09/13 12:32*	*10/10/13 06:36*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	**21.9**		5.00		mg/Kg	☼	10/10/13 12:24	10/11/13 07:36	1
C24-C40	**41.1**		5.00		mg/Kg	☼	10/10/13 12:24	10/11/13 07:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*79*		*50 - 150*	*10/10/13 12:24*	*10/11/13 07:36*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**91**		0.10		%			10/09/13 12:56	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 210 NE 45th ST Seattle WA

TestAmerica Job ID: 490-37275-1
SDG: 490372751

Client Sample ID: SO-060493-100713-AS-SB-4-11'
Date Collected: 10/07/13 15:30
Date Received: 10/09/13 08:15

Lab Sample ID: 490-37275-4
Matrix: Solid
Percent Solids: 87.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0505		mg/Kg	☼	10/09/13 12:32	10/17/13 16:29	1
Ethylbenzene	ND		0.0505		mg/Kg	☼	10/09/13 12:32	10/17/13 16:29	1
Xylenes, Total	ND		0.0758		mg/Kg	☼	10/09/13 12:32	10/17/13 16:29	1
Toluene	ND		0.0505		mg/Kg	☼	10/09/13 12:32	10/17/13 16:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*54*	*X*	*70 - 130*	*10/09/13 12:32*	*10/17/13 16:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*82*		*70 - 130*	*10/09/13 12:32*	*10/17/13 16:29*	*1*
Toluene-d8 (Surr)	*92*		*70 - 130*	*10/09/13 12:32*	*10/17/13 16:29*	*1*
Dibromofluoromethane (Surr)	*99*		*70 - 130*	*10/09/13 12:32*	*10/17/13 16:29*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	**1190**		281		mg/Kg	☼	10/09/13 12:32	10/10/13 16:25	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*85*		*50 - 150*	*10/09/13 12:32*	*10/10/13 16:25*	*100*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	**206**		24.7		mg/Kg	☼	10/10/13 12:24	10/11/13 12:24	5
C24-C40	**64.1**		4.93		mg/Kg	☼	10/10/13 12:24	10/11/13 07:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*85*		*50 - 150*	*10/10/13 12:24*	*10/11/13 07:52*	*1*
o-Terphenyl	*101*		*50 - 150*	*10/10/13 12:24*	*10/11/13 12:24*	*5*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**88**		0.10		%			10/09/13 12:56	1

Client Sample ID: SO-060493-100713-AS-SB-4-12'
Lab Sample ID: 490-37275-5
Date Collected: 10/07/13 15:55
Matrix: Solid
Date Received: 10/09/13 08:15
Percent Solids: 87.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00417**		0.000902		mg/Kg	☼	10/09/13 12:45	10/16/13 18:22	1
Ethylbenzene	**0.000993**		0.000902		mg/Kg	☼	10/09/13 12:45	10/16/13 18:22	1
Xylenes, Total	ND		0.00135		mg/Kg	☼	10/09/13 12:45	10/16/13 18:22	1
Toluene	ND		0.000902		mg/Kg	☼	10/09/13 12:45	10/16/13 18:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*177*	*X*	*70 - 130*	*10/09/13 12:45*	*10/16/13 18:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 130*	*10/09/13 12:45*	*10/16/13 18:22*	*1*
Toluene-d8 (Surr)	*111*		*70 - 130*	*10/09/13 12:45*	*10/16/13 18:22*	*1*
Dibromofluoromethane (Surr)	*94*		*70 - 130*	*10/09/13 12:45*	*10/16/13 18:22*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	**22.7**		2.64		mg/Kg	☼	10/09/13 12:32	10/10/13 02:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*86*		*50 - 150*	*10/09/13 12:32*	*10/10/13 02:17*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	ND		4.99		mg/Kg	☼	10/10/13 12:24	10/11/13 08:07	1
C24-C40	ND		4.99		mg/Kg	☼	10/10/13 12:24	10/11/13 08:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*76*		*50 - 150*	*10/10/13 12:24*	*10/11/13 08:07*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**88**		0.10		%			10/09/13 12:56	1

Client Sample ID: SO-060493-100713-AS-SB-5-3'

Date Collected: 10/07/13 10:45
Date Received: 10/09/13 08:15

Lab Sample ID: 490-37275-6

Matrix: Solid
Percent Solids: 91.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		0.00102		mg/Kg	☼	10/09/13 12:45	10/16/13 14:27	1
1,2-Dichloroethane	ND		0.00102		mg/Kg	☼	10/09/13 12:45	10/16/13 14:27	1
Benzene	**0.00314**		0.00102		mg/Kg	☼	10/09/13 12:45	10/16/13 14:27	1
Ethylbenzene	ND		0.00102		mg/Kg	☼	10/09/13 12:45	10/16/13 14:27	1
Methyl tert-butyl ether	ND		0.00102		mg/Kg	☼	10/09/13 12:45	10/16/13 14:27	1
Toluene	**0.00621**		0.00102		mg/Kg	☼	10/09/13 12:45	10/16/13 14:27	1
Xylenes, Total	**0.00416**		0.00152		mg/Kg	☼	10/09/13 12:45	10/16/13 14:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 130*	*10/09/13 12:45*	*10/16/13 14:27*	*1*
4-Bromofluorobenzene (Surr)	*128*	*	*70 - 130*	*10/09/13 12:45*	*10/16/13 14:27*	*1*
Dibromofluoromethane (Surr)	*101*		*70 - 130*	*10/09/13 12:45*	*10/16/13 14:27*	*1*
Toluene-d8 (Surr)	*115*		*70 - 130*	*10/09/13 12:45*	*10/16/13 14:27*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	ND		2.59		mg/Kg	☼	10/09/13 12:32	10/10/13 05:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*87*		*50 - 150*	*10/09/13 12:32*	*10/10/13 05:10*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	ND		4.98		mg/Kg	☼	10/10/13 12:24	10/11/13 05:35	1
C24-C40	ND		4.98		mg/Kg	☼	10/10/13 12:24	10/11/13 05:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*76*		*50 - 150*	*10/10/13 12:24*	*10/11/13 05:35*	*1*

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**20.1**		0.531		mg/Kg	☼	10/15/13 13:45	10/15/13 17:32	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**92**		0.10		%			10/09/13 12:56	1

Client Sample ID: SO-060493-100713-AS-SB-5-4'
Date Collected: 10/07/13 10:50
Date Received: 10/09/13 08:15

Lab Sample ID: 490-37275-7
Matrix: Solid
Percent Solids: 88.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		0.00104		mg/Kg	☼	10/09/13 12:45	10/15/13 19:41	1
1,2-Dichloroethane	ND		0.00104		mg/Kg	☼	10/09/13 12:45	10/15/13 19:41	1
Benzene	ND		0.00104		mg/Kg	☼	10/09/13 12:45	10/15/13 19:41	1
Ethylbenzene	ND		0.00104		mg/Kg	☼	10/09/13 12:45	10/15/13 19:41	1
Methyl tert-butyl ether	ND		0.00104		mg/Kg	☼	10/09/13 12:45	10/15/13 19:41	1
Toluene	ND		0.00104		mg/Kg	☼	10/09/13 12:45	10/15/13 19:41	1
Xylenes, Total	ND		0.00157		mg/Kg	☼	10/09/13 12:45	10/15/13 19:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*	*10/09/13 12:45*	*10/15/13 19:41*	*1*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*10/09/13 12:45*	*10/15/13 19:41*	*1*
Dibromofluoromethane (Surr)	*95*		*70 - 130*	*10/09/13 12:45*	*10/15/13 19:41*	*1*
Toluene-d8 (Surr)	*109*		*70 - 130*	*10/09/13 12:45*	*10/15/13 19:41*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	ND		3.77		mg/Kg	☼	10/09/13 12:32	10/10/13 02:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*88*		*50 - 150*	*10/09/13 12:32*	*10/10/13 02:46*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	ND		4.97		mg/Kg	☼	10/10/13 12:24	10/11/13 05:50	1
C24-C40	ND		4.97		mg/Kg	☼	10/10/13 12:24	10/11/13 05:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*70*		*50 - 150*	*10/10/13 12:24*	*10/11/13 05:50*	*1*

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**3.02**		0.538		mg/Kg	☼	10/15/13 13:45	10/15/13 17:46	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**89**		0.10		%			10/09/13 12:56	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 210 NE 45th ST Seattle WA

TestAmerica Job ID: 490-37275-1
SDG: 490372751

Client Sample ID: SO-060493-100713-AS-SB-5-8'
Date Collected: 10/07/13 13:00
Date Received: 10/09/13 08:15

Lab Sample ID: 490-37275-8
Matrix: Solid
Percent Solids: 89.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0231		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
Benzene	ND		0.000922		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
Bromobenzene	ND		0.000922		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
Bromochloromethane	ND		0.000922		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
Bromodichloromethane	ND		0.000922		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
Bromoform	ND		0.000922		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
Bromomethane	ND		0.000922		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
2-Butanone (MEK)	ND		0.0231		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
Carbon disulfide	ND		0.00231		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
Carbon tetrachloride	ND		0.000922		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
Chlorobenzene	ND		0.000922		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
Chlorodibromomethane	ND		0.000922		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
Chloroethane	ND		0.00231		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
Chloroform	ND		0.000922		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
Chloromethane	ND		0.000922		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
2-Chlorotoluene	ND		0.000922		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
4-Chlorotoluene	ND		0.000922		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
cis-1,2-Dichloroethene	ND		0.000922		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
cis-1,3-Dichloropropene	ND		0.000922		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
1,2-Dibromo-3-Chloropropane	ND		0.00231		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
1,2-Dibromoethane (EDB)	ND		0.000922		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
Dibromomethane	ND		0.000922		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
1,2-Dichlorobenzene	ND		0.000922		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
1,3-Dichlorobenzene	ND		0.000922		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
1,4-Dichlorobenzene	ND		0.000922		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
Dichlorodifluoromethane	ND		0.000922		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
1,1-Dichloroethane	ND		0.000922		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
1,2-Dichloroethane	ND		0.000922		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
1,1-Dichloroethene	ND		0.000922		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
1,2-Dichloropropane	ND		0.000922		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
1,3-Dichloropropane	ND		0.000922		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
2,2-Dichloropropane	ND		0.000922		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
1,1-Dichloropropene	ND		0.000922		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
Ethylbenzene	ND		0.000922		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
Hexachlorobutadiene	ND		0.00231		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
Hexane	ND		0.00461		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
2-Hexanone	ND		0.0231		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
Isopropylbenzene	ND		0.000922		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
Methylene Chloride	ND		0.00461		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
4-Methyl-2-pentanone (MIBK)	ND		0.0231		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
Methyl tert-butyl ether	ND		0.000922		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
Naphthalene	**0.00348**		0.00231		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
n-Butylbenzene	**0.00860**		0.000922		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
N-Propylbenzene	**0.00118**		0.000922		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
p-Isopropyltoluene	**0.000949**		0.000922		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
sec-Butylbenzene	**0.00806**		0.000922		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
Styrene	ND		0.000922		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
tert-Butylbenzene	ND		0.000922		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
1,1,1,2-Tetrachloroethane	ND		0.000922		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1

Client Sample ID: SO-060493-100713-AS-SB-5-8'
Date Collected: 10/07/13 13:00
Date Received: 10/09/13 08:15

Lab Sample ID: 490-37275-8
Matrix: Solid
Percent Solids: 89.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		0.000922		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
Tetrachloroethene	ND		0.000922		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
Toluene	ND		0.000922		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
trans-1,2-Dichloroethene	ND		0.000922		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
trans-1,3-Dichloropropene	ND		0.000922		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
1,2,3-Trichlorobenzene	ND		0.000922		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
1,2,4-Trichlorobenzene	ND		0.000922		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
1,1,1-Trichloroethane	ND		0.000922		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
1,1,2-Trichloroethane	ND		0.00231		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
Trichloroethene	ND		0.000922		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
Trichlorofluoromethane	ND		0.000922		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
1,2,3-Trichloropropane	ND		0.000922		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
1,2,4-Trimethylbenzene	ND		0.000922		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
1,3,5-Trimethylbenzene	ND		0.000922		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
Vinyl chloride	ND		0.000922		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1
Xylenes, Total	ND		0.00138		mg/Kg	☼	10/09/13 12:45	10/15/13 20:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*	*10/09/13 12:45*	*10/15/13 20:10*	*1*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*10/09/13 12:45*	*10/15/13 20:10*	*1*
Dibromofluoromethane (Surr)	*98*		*70 - 130*	*10/09/13 12:45*	*10/15/13 20:10*	*1*
Toluene-d8 (Surr)	*107*		*70 - 130*	*10/09/13 12:45*	*10/15/13 20:10*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.00331		mg/Kg	☼	10/14/13 13:50	10/15/13 18:41	1
Acenaphthylene	**0.00403**		0.00331		mg/Kg	☼	10/14/13 13:50	10/15/13 18:41	1
Anthracene	ND		0.00331		mg/Kg	☼	10/14/13 13:50	10/15/13 18:41	1
Benzo[a]anthracene	ND		0.00331		mg/Kg	☼	10/14/13 13:50	10/15/13 18:41	1
Benzo[a]pyrene	ND		0.00331		mg/Kg	☼	10/14/13 13:50	10/15/13 18:41	1
Benzo[b]fluoranthene	ND		0.00331		mg/Kg	☼	10/14/13 13:50	10/15/13 18:41	1
Benzo[g,h,i]perylene	ND		0.00331		mg/Kg	☼	10/14/13 13:50	10/15/13 18:41	1
Benzo[k]fluoranthene	ND		0.00331		mg/Kg	☼	10/14/13 13:50	10/15/13 18:41	1
Chrysene	ND		0.00331		mg/Kg	☼	10/14/13 13:50	10/15/13 18:41	1
Dibenz(a,h)anthracene	ND		0.00331		mg/Kg	☼	10/14/13 13:50	10/15/13 18:41	1
Fluorene	**0.00880**		0.00331		mg/Kg	☼	10/14/13 13:50	10/15/13 18:41	1
Fluoranthene	**0.00338**		0.00331		mg/Kg	☼	10/14/13 13:50	10/15/13 18:41	1
Indeno[1,2,3-cd]pyrene	ND		0.00331		mg/Kg	☼	10/14/13 13:50	10/15/13 18:41	1
Naphthalene	ND		0.00331		mg/Kg	☼	10/14/13 13:50	10/15/13 18:41	1
Phenanthrene	**0.0141**		0.00331		mg/Kg	☼	10/14/13 13:50	10/15/13 18:41	1
Pyrene	**0.00492**		0.00331		mg/Kg	☼	10/14/13 13:50	10/15/13 18:41	1
1-Methylnaphthalene	ND		0.00331		mg/Kg	☼	10/14/13 13:50	10/15/13 18:41	1
2-Methylnaphthalene	ND		0.00331		mg/Kg	☼	10/14/13 13:50	10/15/13 18:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*55*		*13 - 120*	*10/14/13 13:50*	*10/15/13 18:41*	*1*
Nitrobenzene-d5	*58*		*27 - 120*	*10/14/13 13:50*	*10/15/13 18:41*	*1*
2-Fluorobiphenyl (Surr)	*45*		*29 - 120*	*10/14/13 13:50*	*10/15/13 18:41*	*1*

Client Sample ID: SO-060493-100713-AS-SB-5-8'
Date Collected: 10/07/13 13:00
Date Received: 10/09/13 08:15

Lab Sample ID: 490-37275-8
Matrix: Solid
Percent Solids: 89.8

Method: NWTPH/VPH - Northwest - Volatile Petroleum Hydrocarbons (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C5-C6 Aliphatics	ND		3.06		mg/Kg	☼	10/09/13 12:32	10/10/13 17:43	1
C6-C8 aliphatic (adjusted)	ND		5.57		mg/Kg	☼		10/14/13 21:47	1
C6-C8 Aliphatics	ND		3.06		mg/Kg	☼	10/09/13 12:32	10/10/13 17:43	1
C8-C10 aliphatic (adjusted)	ND		5.57		mg/Kg	☼		10/14/13 21:47	1
C10-C12 aliphatic (adjusted)	ND		5.57		mg/Kg	☼		10/14/13 21:47	1
C8-C10 Aliphatics	**3.63**		3.06		mg/Kg	☼	10/09/13 12:32	10/10/13 17:43	1
C10-C12 Aliphatics	**8.49**		3.06		mg/Kg	☼	10/09/13 12:32	10/10/13 17:43	1
C5-C6 aliphatics (adjusted)	ND		5.57		mg/Kg	☼		10/14/13 21:47	1
C8-C10 Aromatics	**7.41**		3.06		mg/Kg	☼	10/09/13 12:32	10/10/13 17:43	1
C10-C12 Aromatics	**8.27**		3.06		mg/Kg	☼	10/09/13 12:32	10/10/13 17:43	1
C12-C13 Aromatics	**11.0**		3.06		mg/Kg	☼	10/09/13 12:32	10/10/13 17:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,5-Dibromotoluene (fid)	*97*		*60 - 140*	*10/09/13 12:32*	*10/10/13 17:43*	*1*
2,5-Dibromotoluene (pid)	*124*		*60 - 140*	*10/09/13 12:32*	*10/10/13 17:43*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	**52.7**		3.05		mg/Kg	☼	10/09/13 12:32	10/10/13 05:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*90*		*50 - 150*	*10/09/13 12:32*	*10/10/13 05:39*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.0368		mg/Kg	☼	10/15/13 12:56	10/16/13 16:24	1
PCB-1221	ND		0.0368		mg/Kg	☼	10/15/13 12:56	10/16/13 16:24	1
PCB-1232	ND		0.0368		mg/Kg	☼	10/15/13 12:56	10/16/13 16:24	1
PCB-1242	ND		0.0368		mg/Kg	☼	10/15/13 12:56	10/16/13 16:24	1
PCB-1248	ND		0.0368		mg/Kg	☼	10/15/13 12:56	10/16/13 16:24	1
PCB-1254	ND		0.0368		mg/Kg	☼	10/15/13 12:56	10/16/13 16:24	1
PCB-1260	ND		0.0368		mg/Kg	☼	10/15/13 12:56	10/16/13 16:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*90*		*19 - 147*	*10/15/13 12:56*	*10/16/13 16:24*	*1*
DCB Decachlorobiphenyl (Surr)	*76*		*20 - 150*	*10/15/13 12:56*	*10/16/13 16:24*	*1*

Method: NWTPH/EPH - Northwest - Extractable Petroleum Hydrocarbons (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C8-C10 Aliphatics	ND		5.16		mg/Kg	☼	10/14/13 11:54	10/18/13 17:51	1
C10-C12 Aliphatics	**7.41**		5.16		mg/Kg	☼	10/14/13 11:54	10/18/13 17:51	1
C12-C16 Aliphatics	**26.5**		5.16		mg/Kg	☼	10/14/13 11:54	10/18/13 17:51	1
C16-C21 Aliphatics	**12.4**		5.16		mg/Kg	☼	10/14/13 11:54	10/18/13 17:51	1
C21-C34 Aliphatics	ND		5.16		mg/Kg	☼	10/14/13 11:54	10/18/13 17:51	1
C8-C10 Aromatics	ND		5.16		mg/Kg	☼	10/14/13 11:54	10/22/13 18:27	1
C10-C12 Aromatics	ND		5.16		mg/Kg	☼	10/14/13 11:54	10/22/13 18:27	1
C12-C16 Aromatics	ND		5.16		mg/Kg	☼	10/14/13 11:54	10/22/13 18:27	1
C16-C21 Aromatics	ND		5.16		mg/Kg	☼	10/14/13 11:54	10/22/13 18:27	1
C21-C34 Aromatics	ND		5.16		mg/Kg	☼	10/14/13 11:54	10/22/13 18:27	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 210 NE 45th ST Seattle WA

TestAmerica Job ID: 490-37275-1
SDG: 490372751

Client Sample ID: SO-060493-100713-AS-SB-5-8'
Date Collected: 10/07/13 13:00
Date Received: 10/09/13 08:15

Lab Sample ID: 490-37275-8
Matrix: Solid
Percent Solids: 89.8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*93*		*60 - 140*	*10/14/13 11:54*	*10/22/13 18:27*	*1*
2-Bromonaphthalene	*77*		*60 - 140*	*10/14/13 11:54*	*10/22/13 18:27*	*1*
o-Terphenyl	*89*		*60 - 140*	*10/14/13 11:54*	*10/22/13 18:27*	*1*
1-Chlorooctadecane	*90*		*60 - 140*	*10/14/13 11:54*	*10/18/13 17:51*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	**48.2**		4.99		mg/Kg	☼	10/10/13 12:24	10/11/13 06:05	1
C24-C40	ND		4.99		mg/Kg	☼	10/10/13 12:24	10/11/13 06:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*82*		*50 - 150*	*10/10/13 12:24*	*10/11/13 06:05*	*1*

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**3.04**		0.553		mg/Kg	☼	10/15/13 13:45	10/15/13 17:50	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**90**		0.10		%			10/09/13 12:56	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 210 NE 45th ST Seattle WA

TestAmerica Job ID: 490-37275-1
SDG: 490372751

Client Sample ID: Trip Blank
Date Collected: 10/07/13 00:01
Date Received: 10/09/13 08:15

Lab Sample ID: 490-37275-9
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.00200		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
1,1,1-Trichloroethane	ND		0.00200		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
1,1,2,2-Tetrachloroethane	ND		0.00200		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
1,1,2-Trichloroethane	ND		0.00500		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
1,1-Dichloroethane	ND		0.00200		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
1,1-Dichloroethene	ND		0.00200		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
1,1-Dichloropropene	ND		0.00200		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
1,2,3-Trichlorobenzene	ND		0.00200		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
1,2,3-Trichloropropane	ND		0.00200		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
1,2,4-Trichlorobenzene	ND		0.00200		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
1,2,4-Trimethylbenzene	ND		0.00200		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
1,2-Dibromo-3-Chloropropane	ND		0.00500		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
1,2-Dibromoethane (EDB)	ND		0.00200		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
1,2-Dichlorobenzene	ND		0.00200		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
1,2-Dichloroethane	ND		0.00200		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
1,2-Dichloropropane	ND		0.00200		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
1,3,5-Trimethylbenzene	ND		0.00200		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
1,3-Dichlorobenzene	ND		0.00200		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
1,3-Dichloropropane	ND		0.00200		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
1,4-Dichlorobenzene	ND		0.00200		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
2,2-Dichloropropane	ND		0.00200		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
2-Butanone (MEK)	ND		0.0500		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
2-Chlorotoluene	ND		0.00200		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
2-Hexanone	ND		0.0500		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
4-Chlorotoluene	ND		0.00200		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
4-Methyl-2-pentanone (MIBK)	ND		0.0500		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
Acetone	ND		0.0500		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
Benzene	ND		0.00200		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
Bromobenzene	ND		0.00200		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
Bromochloromethane	ND		0.00200		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
Bromodichloromethane	ND		0.00200		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
Bromoform	ND		0.00200		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
Bromomethane	ND		0.00200		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
Carbon disulfide	ND		0.00500		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
Carbon tetrachloride	ND		0.00200		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
Chlorobenzene	ND		0.00200		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
Chlorodibromomethane	ND		0.00200		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
Chloroethane	ND		0.00500		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
Chloroform	ND		0.00200		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
Chloromethane	ND		0.00200		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
cis-1,2-Dichloroethene	ND		0.00200		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
cis-1,3-Dichloropropene	ND		0.00200		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
Dibromomethane	ND		0.00200		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
Dichlorodifluoromethane	ND		0.00200		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
Ethylbenzene	ND		0.00200		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
Hexachlorobutadiene	ND		0.00500		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
Isopropylbenzene	ND		0.00200		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
Methyl tert-butyl ether	ND		0.00200		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
Methylene Chloride	ND		0.0100		mg/Kg		10/09/13 12:45	10/15/13 13:50	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 210 NE 45th ST Seattle WA

TestAmerica Job ID: 490-37275-1
SDG: 490372751

Client Sample ID: Trip Blank
Date Collected: 10/07/13 00:01
Date Received: 10/09/13 08:15

Lab Sample ID: 490-37275-9
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.00500		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
n-Butylbenzene	ND		0.00200		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
N-Propylbenzene	ND		0.00200		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
p-Isopropyltoluene	ND		0.00200		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
sec-Butylbenzene	ND		0.00200		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
Styrene	ND		0.00200		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
tert-Butylbenzene	ND		0.00200		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
Tetrachloroethene	ND		0.00200		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
Toluene	ND		0.00200		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
trans-1,2-Dichloroethene	ND		0.00200		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
trans-1,3-Dichloropropene	ND		0.00200		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
Trichloroethene	ND		0.00200		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
Trichlorofluoromethane	ND		0.00200		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
Vinyl chloride	ND		0.00200		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
Xylenes, Total	ND		0.00300		mg/Kg		10/09/13 12:45	10/15/13 13:50	1
Hexane	ND		0.0100		mg/Kg		10/09/13 12:45	10/15/13 13:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*	*10/09/13 12:45*	*10/15/13 13:50*	*1*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*10/09/13 12:45*	*10/15/13 13:50*	*1*
Dibromofluoromethane (Surr)	*98*		*70 - 130*	*10/09/13 12:45*	*10/15/13 13:50*	*1*
Toluene-d8 (Surr)	*109*		*70 - 130*	*10/09/13 12:45*	*10/15/13 13:50*	*1*

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 210 NE 45th ST Seattle WA

TestAmerica Job ID: 490-37275-1
SDG: 490372751

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

Lab Sample ID: MB 490-114356/7
Matrix: Solid
Analysis Batch: 114356

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.0500		mg/Kg			10/15/13 12:52	1
1,2-Dibromo-3-Chloropropane	ND		0.00500		mg/Kg			10/15/13 12:52	1
2-Chlorotoluene	ND		0.00200		mg/Kg			10/15/13 12:52	1
1,2-Dibromoethane (EDB)	ND		0.00200		mg/Kg			10/15/13 12:52	1
1,2-Dichlorobenzene	ND		0.00200		mg/Kg			10/15/13 12:52	1
4-Chlorotoluene	ND		0.00200		mg/Kg			10/15/13 12:52	1
1,3-Dichlorobenzene	ND		0.00200		mg/Kg			10/15/13 12:52	1
1,4-Dichlorobenzene	ND		0.00200		mg/Kg			10/15/13 12:52	1
Acetone	ND		0.0500		mg/Kg			10/15/13 12:52	1
Benzene	ND		0.00200		mg/Kg			10/15/13 12:52	1
1,1-Dichloroethane	ND		0.00200		mg/Kg			10/15/13 12:52	1
Bromobenzene	ND		0.00200		mg/Kg			10/15/13 12:52	1
1,2-Dichloroethane	ND		0.00200		mg/Kg			10/15/13 12:52	1
Bromochloromethane	ND		0.00200		mg/Kg			10/15/13 12:52	1
1,1-Dichloroethene	ND		0.00200		mg/Kg			10/15/13 12:52	1
Bromodichloromethane	ND		0.00200		mg/Kg			10/15/13 12:52	1
1,2-Dichloropropane	ND		0.00200		mg/Kg			10/15/13 12:52	1
Bromoform	ND		0.00200		mg/Kg			10/15/13 12:52	1
1,3-Dichloropropane	ND		0.00200		mg/Kg			10/15/13 12:52	1
Bromomethane	ND		0.00200		mg/Kg			10/15/13 12:52	1
2,2-Dichloropropane	ND		0.00200		mg/Kg			10/15/13 12:52	1
Carbon disulfide	ND		0.00500		mg/Kg			10/15/13 12:52	1
1,1-Dichloropropene	ND		0.00200		mg/Kg			10/15/13 12:52	1
Carbon tetrachloride	ND		0.00200		mg/Kg			10/15/13 12:52	1
Chlorobenzene	ND		0.00200		mg/Kg			10/15/13 12:52	1
Chlorodibromomethane	ND		0.00200		mg/Kg			10/15/13 12:52	1
Chloroethane	ND		0.00500		mg/Kg			10/15/13 12:52	1
2-Hexanone	ND		0.0500		mg/Kg			10/15/13 12:52	1
Chloroform	ND		0.00200		mg/Kg			10/15/13 12:52	1
Chloromethane	ND		0.00200		mg/Kg			10/15/13 12:52	1
cis-1,2-Dichloroethene	ND		0.00200		mg/Kg			10/15/13 12:52	1
4-Methyl-2-pentanone (MIBK)	ND		0.0500		mg/Kg			10/15/13 12:52	1
cis-1,3-Dichloropropene	ND		0.00200		mg/Kg			10/15/13 12:52	1
Dibromomethane	ND		0.00200		mg/Kg			10/15/13 12:52	1
Dichlorodifluoromethane	ND		0.00200		mg/Kg			10/15/13 12:52	1
Ethylbenzene	ND		0.00200		mg/Kg			10/15/13 12:52	1
Hexachlorobutadiene	ND		0.00500		mg/Kg			10/15/13 12:52	1
Isopropylbenzene	ND		0.00200		mg/Kg			10/15/13 12:52	1
Methyl tert-butyl ether	ND		0.00200		mg/Kg			10/15/13 12:52	1
Methylene Chloride	ND		0.0100		mg/Kg			10/15/13 12:52	1
1,1,1,2-Tetrachloroethane	ND		0.00200		mg/Kg			10/15/13 12:52	1
Naphthalene	ND		0.00500		mg/Kg			10/15/13 12:52	1
1,1,2,2-Tetrachloroethane	ND		0.00200		mg/Kg			10/15/13 12:52	1
n-Butylbenzene	ND		0.00200		mg/Kg			10/15/13 12:52	1
N-Propylbenzene	ND		0.00200		mg/Kg			10/15/13 12:52	1
p-Isopropyltoluene	ND		0.00200		mg/Kg			10/15/13 12:52	1
sec-Butylbenzene	ND		0.00200		mg/Kg			10/15/13 12:52	1
Styrene	ND		0.00200		mg/Kg			10/15/13 12:52	1

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

Lab Sample ID: MB 490-114356/7
Matrix: Solid
Analysis Batch: 114356

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	ND		0.00200		mg/Kg			10/15/13 12:52	1
tert-Butylbenzene	ND		0.00200		mg/Kg			10/15/13 12:52	1
1,2,4-Trichlorobenzene	ND		0.00200		mg/Kg			10/15/13 12:52	1
Tetrachloroethene	ND		0.00200		mg/Kg			10/15/13 12:52	1
1,1,1-Trichloroethane	ND		0.00200		mg/Kg			10/15/13 12:52	1
Toluene	ND		0.00200		mg/Kg			10/15/13 12:52	1
1,1,2-Trichloroethane	ND		0.00500		mg/Kg			10/15/13 12:52	1
trans-1,2-Dichloroethene	ND		0.00200		mg/Kg			10/15/13 12:52	1
trans-1,3-Dichloropropene	ND		0.00200		mg/Kg			10/15/13 12:52	1
1,2,3-Trichloropropane	ND		0.00200		mg/Kg			10/15/13 12:52	1
Trichloroethene	ND		0.00200		mg/Kg			10/15/13 12:52	1
1,2,4-Trimethylbenzene	ND		0.00200		mg/Kg			10/15/13 12:52	1
Trichlorofluoromethane	ND		0.00200		mg/Kg			10/15/13 12:52	1
1,3,5-Trimethylbenzene	ND		0.00200		mg/Kg			10/15/13 12:52	1
Vinyl chloride	ND		0.00200		mg/Kg			10/15/13 12:52	1
Xylenes, Total	ND		0.00300		mg/Kg			10/15/13 12:52	1
Hexane	ND		0.0100		mg/Kg			10/15/13 12:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*		*10/15/13 12:52*	*1*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*		*10/15/13 12:52*	*1*
Dibromofluoromethane (Surr)	*97*		*70 - 130*		*10/15/13 12:52*	*1*
Toluene-d8 (Surr)	*108*		*70 - 130*		*10/15/13 12:52*	*1*

Lab Sample ID: LCS 490-114356/3
Matrix: Solid
Analysis Batch: 114356

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Butanone (MEK)	0.250	0.2120		mg/Kg		85	61 - 132
1,2-Dibromo-3-Chloropropane	0.0500	0.04418		mg/Kg		88	49 - 142
2-Chlorotoluene	0.0500	0.05230		mg/Kg		105	78 - 132
1,2-Dibromoethane (EDB)	0.0500	0.04667		mg/Kg		93	80 - 135
1,2-Dichlorobenzene	0.0500	0.04802		mg/Kg		96	80 - 134
4-Chlorotoluene	0.0500	0.05621		mg/Kg		112	77 - 138
1,3-Dichlorobenzene	0.0500	0.05080		mg/Kg		102	79 - 137
1,4-Dichlorobenzene	0.0500	0.04863		mg/Kg		97	77 - 139
Acetone	0.250	0.2086		mg/Kg		83	51 - 149
Benzene	0.0500	0.04616		mg/Kg		92	75 - 127
1,1-Dichloroethane	0.0500	0.04838		mg/Kg		97	75 - 124
Bromobenzene	0.0500	0.05103		mg/Kg		102	75 - 130
1,2-Dichloroethane	0.0500	0.04296		mg/Kg		86	65 - 134
Bromochloromethane	0.0500	0.04200		mg/Kg		84	70 - 132
1,1-Dichloroethene	0.0500	0.04364		mg/Kg		87	75 - 131
Bromodichloromethane	0.0500	0.04666		mg/Kg		93	68 - 135
1,2-Dichloropropane	0.0500	0.04787		mg/Kg		96	69 - 120
Bromoform	0.0500	0.04766		mg/Kg		95	36 - 150
1,3-Dichloropropane	0.0500	0.04879		mg/Kg		98	78 - 126

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 210 NE 45th ST Seattle WA

TestAmerica Job ID: 490-37275-1
SDG: 490372751

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

Lab Sample ID: LCS 490-114356/3
Matrix: Solid
Analysis Batch: 114356

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromomethane	0.0500	0.04750		mg/Kg		95	43 - 142
2,2-Dichloropropane	0.0500	0.04556		mg/Kg		91	68 - 145
Carbon disulfide	0.0500	0.04681		mg/Kg		94	74 - 135
1,1-Dichloropropene	0.0500	0.04564		mg/Kg		91	79 - 127
Carbon tetrachloride	0.0500	0.04460		mg/Kg		89	70 - 141
Chlorobenzene	0.0500	0.04754		mg/Kg		95	84 - 125
Chlorodibromomethane	0.0500	0.04977		mg/Kg		100	66 - 134
Chloroethane	0.0500	0.05019		mg/Kg		100	53 - 144
2-Hexanone	0.250	0.2257		mg/Kg		90	57 - 148
Chloroform	0.0500	0.04433		mg/Kg		89	76 - 130
Chloromethane	0.0500	0.06005		mg/Kg		120	23 - 150
cis-1,2-Dichloroethene	0.0500	0.04864		mg/Kg		97	75 - 125
4-Methyl-2-pentanone (MIBK)	0.250	0.2557		mg/Kg		102	59 - 138
cis-1,3-Dichloropropene	0.0500	0.05231		mg/Kg		105	73 - 148
Dibromomethane	0.0500	0.04318		mg/Kg		86	71 - 130
Dichlorodifluoromethane	0.0500	0.05125		mg/Kg		102	12 - 144
Ethylbenzene	0.0500	0.05159		mg/Kg		103	80 - 134
Hexachlorobutadiene	0.0500	0.04445		mg/Kg		89	65 - 148
Isopropylbenzene	0.0500	0.05306		mg/Kg		106	80 - 150
Methyl tert-butyl ether	0.0500	0.04470		mg/Kg		89	70 - 136
Methylene Chloride	0.0500	0.04345		mg/Kg		87	68 - 144
1,1,1,2-Tetrachloroethane	0.0500	0.04743		mg/Kg		95	80 - 136
Naphthalene	0.0500	0.04845		mg/Kg		97	69 - 150
1,1,2,2-Tetrachloroethane	0.0500	0.04820		mg/Kg		96	66 - 134
n-Butylbenzene	0.0500	0.05777		mg/Kg		116	72 - 152
N-Propylbenzene	0.0500	0.05476		mg/Kg		110	75 - 137
p-Isopropyltoluene	0.0500	0.05534		mg/Kg		111	77 - 141
sec-Butylbenzene	0.0500	0.05480		mg/Kg		110	79 - 141
Styrene	0.0500	0.05394		mg/Kg		108	82 - 137
1,2,3-Trichlorobenzene	0.0500	0.04728		mg/Kg		95	70 - 150
tert-Butylbenzene	0.0500	0.05142		mg/Kg		103	80 - 132
1,2,4-Trichlorobenzene	0.0500	0.05119		mg/Kg		102	62 - 150
Tetrachloroethene	0.0500	0.04400		mg/Kg		88	78 - 140
1,1,1-Trichloroethane	0.0500	0.04458		mg/Kg		89	72 - 140
Toluene	0.0500	0.04894		mg/Kg		98	80 - 132
1,1,2-Trichloroethane	0.0500	0.04687		mg/Kg		94	78 - 128
trans-1,2-Dichloroethene	0.0500	0.04827		mg/Kg		97	76 - 128
trans-1,3-Dichloropropene	0.0500	0.05216		mg/Kg		104	62 - 139
1,2,3-Trichloropropane	0.0500	0.05047		mg/Kg		101	65 - 139
Trichloroethene	0.0500	0.04255		mg/Kg		85	77 - 127
1,2,4-Trimethylbenzene	0.0500	0.05409		mg/Kg		108	77 - 139
Trichlorofluoromethane	0.0500	0.04621		mg/Kg		92	50 - 140
1,3,5-Trimethylbenzene	0.0500	0.05471		mg/Kg		109	78 - 138
Vinyl chloride	0.0500	0.05608		mg/Kg		112	47 - 136
Xylenes, Total	0.100	0.1040		mg/Kg		104	80 - 137
Hexane	0.0500	0.04820		mg/Kg		96	60 - 144

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

Lab Sample ID: LCS 490-114356/3
Matrix: Solid
Analysis Batch: 114356

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		70 - 130
4-Bromofluorobenzene (Surr)	100		70 - 130
Dibromofluoromethane (Surr)	96		70 - 130
Toluene-d8 (Surr)	108		70 - 130

Lab Sample ID: LCSD 490-114356/4
Matrix: Solid
Analysis Batch: 114356

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Butanone (MEK)	0.250	0.2010		mg/Kg		80	61 - 132	5	50
1,2-Dibromo-3-Chloropropane	0.0500	0.04323		mg/Kg		86	49 - 142	2	50
2-Chlorotoluene	0.0500	0.05179		mg/Kg		104	78 - 132	1	50
1,2-Dibromoethane (EDB)	0.0500	0.04556		mg/Kg		91	80 - 135	2	50
1,2-Dichlorobenzene	0.0500	0.04812		mg/Kg		96	80 - 134	0	50
4-Chlorotoluene	0.0500	0.05146		mg/Kg		103	77 - 138	9	50
1,3-Dichlorobenzene	0.0500	0.04959		mg/Kg		99	79 - 137	2	50
1,4-Dichlorobenzene	0.0500	0.04648		mg/Kg		93	77 - 139	5	50
Acetone	0.250	0.2028		mg/Kg		81	51 - 149	3	50
Benzene	0.0500	0.04586		mg/Kg		92	75 - 127	1	50
1,1-Dichloroethane	0.0500	0.04644		mg/Kg		93	75 - 124	4	50
Bromobenzene	0.0500	0.05137		mg/Kg		103	75 - 130	1	50
1,2-Dichloroethane	0.0500	0.04209		mg/Kg		84	65 - 134	2	50
Bromochloromethane	0.0500	0.04235		mg/Kg		85	70 - 132	1	50
1,1-Dichloroethene	0.0500	0.04341		mg/Kg		87	75 - 131	1	50
Bromodichloromethane	0.0500	0.04589		mg/Kg		92	68 - 135	2	50
1,2-Dichloropropane	0.0500	0.04736		mg/Kg		95	69 - 120	1	50
Bromoform	0.0500	0.04680		mg/Kg		94	36 - 150	2	50
1,3-Dichloropropane	0.0500	0.04859		mg/Kg		97	78 - 126	0	42
Bromomethane	0.0500	0.04722		mg/Kg		94	43 - 142	1	50
2,2-Dichloropropane	0.0500	0.04515		mg/Kg		90	68 - 145	1	50
Carbon disulfide	0.0500	0.04628		mg/Kg		93	74 - 135	1	50
1,1-Dichloropropene	0.0500	0.04498		mg/Kg		90	79 - 127	1	50
Carbon tetrachloride	0.0500	0.04415		mg/Kg		88	70 - 141	1	50
Chlorobenzene	0.0500	0.04630		mg/Kg		93	84 - 125	3	50
Chlorodibromomethane	0.0500	0.04917		mg/Kg		98	66 - 134	1	50
Chloroethane	0.0500	0.04964		mg/Kg		99	53 - 144	1	50
2-Hexanone	0.250	0.2110		mg/Kg		84	57 - 148	7	50
Chloroform	0.0500	0.04480		mg/Kg		90	76 - 130	1	49
Chloromethane	0.0500	0.05525		mg/Kg		111	23 - 150	8	50
cis-1,2-Dichloroethene	0.0500	0.04748		mg/Kg		95	75 - 125	2	50
4-Methyl-2-pentanone (MIBK)	0.250	0.2472		mg/Kg		99	59 - 138	3	50
cis-1,3-Dichloropropene	0.0500	0.05176		mg/Kg		104	73 - 148	1	50
Dibromomethane	0.0500	0.04215		mg/Kg		84	71 - 130	2	50
Dichlorodifluoromethane	0.0500	0.04995		mg/Kg		100	12 - 144	3	50
Ethylbenzene	0.0500	0.05024		mg/Kg		100	80 - 134	3	50
Hexachlorobutadiene	0.0500	0.04135		mg/Kg		83	65 - 148	7	50
Isopropylbenzene	0.0500	0.05099		mg/Kg		102	80 - 150	4	50

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

Lab Sample ID: LCSD 490-114356/4
Matrix: Solid
Analysis Batch: 114356

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	0.0500	0.04367		mg/Kg		87	70 - 136	2	50
Methylene Chloride	0.0500	0.04330		mg/Kg		87	68 - 144	0	50
1,1,1,2-Tetrachloroethane	0.0500	0.04767		mg/Kg		95	80 - 136	1	50
Naphthalene	0.0500	0.04868		mg/Kg		97	69 - 150	0	50
1,1,2,2-Tetrachloroethane	0.0500	0.04964		mg/Kg		99	66 - 134	3	50
n-Butylbenzene	0.0500	0.05484		mg/Kg		110	72 - 152	5	50
N-Propylbenzene	0.0500	0.05406		mg/Kg		108	75 - 137	1	50
p-Isopropyltoluene	0.0500	0.05440		mg/Kg		109	77 - 141	2	50
sec-Butylbenzene	0.0500	0.05461		mg/Kg		109	79 - 141	0	50
Styrene	0.0500	0.05190		mg/Kg		104	82 - 137	4	50
1,2,3-Trichlorobenzene	0.0500	0.04681		mg/Kg		94	70 - 150	1	50
tert-Butylbenzene	0.0500	0.05216		mg/Kg		104	80 - 132	1	50
1,2,4-Trichlorobenzene	0.0500	0.04725		mg/Kg		94	62 - 150	8	50
Tetrachloroethene	0.0500	0.04223		mg/Kg		84	78 - 140	4	50
1,1,1-Trichloroethane	0.0500	0.04433		mg/Kg		89	72 - 140	1	50
Toluene	0.0500	0.04839		mg/Kg		97	80 - 132	1	50
1,1,2-Trichloroethane	0.0500	0.04665		mg/Kg		93	78 - 128	0	50
trans-1,2-Dichloroethene	0.0500	0.04719		mg/Kg		94	76 - 128	2	50
trans-1,3-Dichloropropene	0.0500	0.05292		mg/Kg		106	62 - 139	1	50
1,2,3-Trichloropropane	0.0500	0.05062		mg/Kg		101	65 - 139	0	50
Trichloroethene	0.0500	0.04148		mg/Kg		83	77 - 127	3	50
1,2,4-Trimethylbenzene	0.0500	0.05361		mg/Kg		107	77 - 139	1	50
Trichlorofluoromethane	0.0500	0.04497		mg/Kg		90	50 - 140	3	50
1,3,5-Trimethylbenzene	0.0500	0.05438		mg/Kg		109	78 - 138	1	50
Vinyl chloride	0.0500	0.05563		mg/Kg		111	47 - 136	1	50
Xylenes, Total	0.100	0.1011		mg/Kg		101	80 - 137	3	50
Hexane	0.0500	0.04498		mg/Kg		90	60 - 144	7	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
Dibromofluoromethane (Surr)	*95*		*70 - 130*
Toluene-d8 (Surr)	*109*		*70 - 130*

Lab Sample ID: MB 490-114674/12
Matrix: Solid
Analysis Batch: 114674

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00200		mg/Kg			10/16/13 15:19	1
Ethylbenzene	ND		0.00200		mg/Kg			10/16/13 15:19	1
Xylenes, Total	ND		0.00300		mg/Kg			10/16/13 15:19	1
Toluene	ND		0.00200		mg/Kg			10/16/13 15:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*10/16/13 15:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 130*		*10/16/13 15:19*	*1*

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

Lab Sample ID: MB 490-114674/12
Matrix: Solid
Analysis Batch: 114674

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*115*		*70 - 130*		*10/16/13 15:19*	*1*
Dibromofluoromethane (Surr)	*96*		*70 - 130*		*10/16/13 15:19*	*1*

Lab Sample ID: LCS 490-114674/8
Matrix: Solid
Analysis Batch: 114674

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.0500	0.04821		mg/Kg		96	75 - 127		
Ethylbenzene			0.0500	0.05600		mg/Kg		112	80 - 134		
Xylenes, Total			0.100	0.1113		mg/Kg		111	80 - 137		
Toluene			0.0500	0.05705		mg/Kg		114	80 - 132		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*
Toluene-d8 (Surr)	*117*		*70 - 130*
Dibromofluoromethane (Surr)	*96*		*70 - 130*

Lab Sample ID: LCSD 490-114674/9
Matrix: Solid
Analysis Batch: 114674

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.0500	0.04714		mg/Kg		94	75 - 127	2	50
Ethylbenzene			0.0500	0.05430		mg/Kg		109	80 - 134	3	50
Xylenes, Total			0.100	0.1065		mg/Kg		106	80 - 137	4	50
Toluene			0.0500	0.05527		mg/Kg		111	80 - 132	3	50

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 130*
Toluene-d8 (Surr)	*117*		*70 - 130*
Dibromofluoromethane (Surr)	*96*		*70 - 130*

Lab Sample ID: MB 490-114676/9
Matrix: Solid
Analysis Batch: 114676

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		0.00200		mg/Kg			10/16/13 13:27	1
Benzene	ND		0.00200		mg/Kg			10/16/13 13:27	1
1,2-Dichloroethane	ND		0.00200		mg/Kg			10/16/13 13:27	1
Ethylbenzene	ND		0.00200		mg/Kg			10/16/13 13:27	1
Methyl tert-butyl ether	ND		0.00200		mg/Kg			10/16/13 13:27	1
Toluene	ND		0.00200		mg/Kg			10/16/13 13:27	1
Xylenes, Total	ND		0.00300		mg/Kg			10/16/13 13:27	1

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

Lab Sample ID: MB 490-114676/9
Matrix: Solid
Analysis Batch: 114676

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 130		10/16/13 13:27	1
4-Bromofluorobenzene (Surr)	106		70 - 130		10/16/13 13:27	1
Dibromofluoromethane (Surr)	99		70 - 130		10/16/13 13:27	1
Toluene-d8 (Surr)	107		70 - 130		10/16/13 13:27	1

Lab Sample ID: LCS 490-114676/5
Matrix: Solid
Analysis Batch: 114676

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,2-Dibromoethane (EDB)			0.0500	0.04831		mg/Kg		97	80 - 135		
Benzene			0.0500	0.04740		mg/Kg		95	75 - 127		
1,2-Dichloroethane			0.0500	0.04426		mg/Kg		89	65 - 134		
Ethylbenzene			0.0500	0.05270		mg/Kg		105	80 - 134		
Methyl tert-butyl ether			0.0500	0.04750		mg/Kg		95	70 - 136		
Toluene			0.0500	0.05056		mg/Kg		101	80 - 132		
Xylenes, Total			0.100	0.1061		mg/Kg		106	80 - 137		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		70 - 130
4-Bromofluorobenzene (Surr)	104		70 - 130
Dibromofluoromethane (Surr)	95		70 - 130
Toluene-d8 (Surr)	108		70 - 130

Lab Sample ID: LCSD 490-114676/6
Matrix: Solid
Analysis Batch: 114676

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromoethane (EDB)			0.0500	0.04670		mg/Kg		93	80 - 135	3	50
Benzene			0.0500	0.04668		mg/Kg		93	75 - 127	2	50
1,2-Dichloroethane			0.0500	0.04294		mg/Kg		86	65 - 134	3	50
Ethylbenzene			0.0500	0.05295		mg/Kg		106	80 - 134	0	50
Methyl tert-butyl ether			0.0500	0.04570		mg/Kg		91	70 - 136	4	50
Toluene			0.0500	0.04960		mg/Kg		99	80 - 132	2	50
Xylenes, Total			0.100	0.1075		mg/Kg		108	80 - 137	1	50

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		70 - 130
4-Bromofluorobenzene (Surr)	101		70 - 130
Dibromofluoromethane (Surr)	96		70 - 130
Toluene-d8 (Surr)	108		70 - 130

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

Lab Sample ID: MB 490-114976/6
Matrix: Solid
Analysis Batch: 114976

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.100		mg/Kg			10/17/13 12:29	1
Ethylbenzene	ND		0.100		mg/Kg			10/17/13 12:29	1
Xylenes, Total	ND		0.150		mg/Kg			10/17/13 12:29	1
Toluene	ND		0.100		mg/Kg			10/17/13 12:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*		*10/17/13 12:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*70 - 130*		*10/17/13 12:29*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*10/17/13 12:29*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*10/17/13 12:29*	*1*

Lab Sample ID: LCS 490-114976/3
Matrix: Solid
Analysis Batch: 114976

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.0500	0.05101		mg/Kg		102	75 - 127		
Ethylbenzene			0.0500	0.05088		mg/Kg		102	80 - 134		
Xylenes, Total			0.100	0.1034		mg/Kg		103	80 - 137		
Toluene			0.0500	0.04519		mg/Kg		90	80 - 132		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 130*
Toluene-d8 (Surr)	*88*		*70 - 130*
Dibromofluoromethane (Surr)	*103*		*70 - 130*

Lab Sample ID: LCSD 490-114976/4
Matrix: Solid
Analysis Batch: 114976

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.0500	0.04885		mg/Kg		98	75 - 127	4	50
Ethylbenzene			0.0500	0.04903		mg/Kg		98	80 - 134	4	50
Xylenes, Total			0.100	0.09908		mg/Kg		99	80 - 137	4	50
Toluene			0.0500	0.04588		mg/Kg		92	80 - 132	2	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*
Toluene-d8 (Surr)	*93*		*70 - 130*
Dibromofluoromethane (Surr)	*105*		*70 - 130*

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

Lab Sample ID: MB 490-114208/1-A
Matrix: Solid
Analysis Batch: 114429

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114208

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.00333		mg/Kg		10/14/13 13:50	10/15/13 16:33	1
Acenaphthylene	ND		0.00333		mg/Kg		10/14/13 13:50	10/15/13 16:33	1
Anthracene	ND		0.00333		mg/Kg		10/14/13 13:50	10/15/13 16:33	1
Benzo[a]anthracene	ND		0.00333		mg/Kg		10/14/13 13:50	10/15/13 16:33	1
Benzo[a]pyrene	ND		0.00333		mg/Kg		10/14/13 13:50	10/15/13 16:33	1
Benzo[b]fluoranthene	ND		0.00333		mg/Kg		10/14/13 13:50	10/15/13 16:33	1
Benzo[g,h,i]perylene	ND		0.00333		mg/Kg		10/14/13 13:50	10/15/13 16:33	1
Benzo[k]fluoranthene	ND		0.00333		mg/Kg		10/14/13 13:50	10/15/13 16:33	1
Chrysene	ND		0.00333		mg/Kg		10/14/13 13:50	10/15/13 16:33	1
Dibenz(a,h)anthracene	ND		0.00333		mg/Kg		10/14/13 13:50	10/15/13 16:33	1
Fluorene	ND		0.00333		mg/Kg		10/14/13 13:50	10/15/13 16:33	1
Fluoranthene	ND		0.00333		mg/Kg		10/14/13 13:50	10/15/13 16:33	1
Indeno[1,2,3-cd]pyrene	ND		0.00333		mg/Kg		10/14/13 13:50	10/15/13 16:33	1
Naphthalene	ND		0.00333		mg/Kg		10/14/13 13:50	10/15/13 16:33	1
Phenanthrene	ND		0.00333		mg/Kg		10/14/13 13:50	10/15/13 16:33	1
Pyrene	ND		0.00333		mg/Kg		10/14/13 13:50	10/15/13 16:33	1
1-Methylnaphthalene	ND		0.00333		mg/Kg		10/14/13 13:50	10/15/13 16:33	1
2-Methylnaphthalene	ND		0.00333		mg/Kg		10/14/13 13:50	10/15/13 16:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*74*		*13 - 120*	*10/14/13 13:50*	*10/15/13 16:33*	*1*
Nitrobenzene-d5	*58*		*27 - 120*	*10/14/13 13:50*	*10/15/13 16:33*	*1*
2-Fluorobiphenyl (Surr)	*64*		*29 - 120*	*10/14/13 13:50*	*10/15/13 16:33*	*1*

Lab Sample ID: LCS 490-114208/2-A
Matrix: Solid
Analysis Batch: 114429

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114208

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.0333	0.02783		mg/Kg		83	36 - 120
Acenaphthylene	0.0333	0.02665		mg/Kg		80	38 - 120
Anthracene	0.0333	0.02860		mg/Kg		86	46 - 124
Benzo[a]anthracene	0.0333	0.02932		mg/Kg		88	45 - 120
Benzo[a]pyrene	0.0333	0.02898		mg/Kg		87	45 - 120
Benzo[b]fluoranthene	0.0333	0.02897		mg/Kg		87	42 - 120
Benzo[g,h,i]perylene	0.0333	0.03167		mg/Kg		95	38 - 120
Benzo[k]fluoranthene	0.0333	0.02982		mg/Kg		89	42 - 120
Chrysene	0.0333	0.03024		mg/Kg		91	43 - 120
Dibenz(a,h)anthracene	0.0333	0.03329		mg/Kg		100	32 - 128
Fluorene	0.0333	0.02850		mg/Kg		85	42 - 120
Fluoranthene	0.0333	0.02855		mg/Kg		86	46 - 120
Indeno[1,2,3-cd]pyrene	0.0333	0.03079		mg/Kg		92	41 - 121
Naphthalene	0.0333	0.02726		mg/Kg		82	32 - 120
Phenanthrene	0.0333	0.02764		mg/Kg		83	45 - 120
Pyrene	0.0333	0.02930		mg/Kg		88	43 - 120
1-Methylnaphthalene	0.0333	0.02733		mg/Kg		82	32 - 120
2-Methylnaphthalene	0.0333	0.02744		mg/Kg		82	28 - 120

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

Lab Sample ID: LCS 490-114208/2-A
Matrix: Solid
Analysis Batch: 114429

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114208

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Terphenyl-d14	74		13 - 120
Nitrobenzene-d5	66		27 - 120
2-Fluorobiphenyl (Surr)	64		29 - 120

Lab Sample ID: 490-37356-L-1-B MS
Matrix: Solid
Analysis Batch: 114429

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 114208

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.0184		0.0329	0.05125		mg/Kg	☼	100	19 - 120
Acenaphthylene	0.00771		0.0329	0.02884		mg/Kg	☼	64	25 - 120
Anthracene	0.0448		0.0329	0.09037	F	mg/Kg	☼	138	28 - 125
Benzo[a]anthracene	0.143		0.0329	0.2431	4	mg/Kg	☼	305	23 - 120
Benzo[a]pyrene	0.134		0.0329	0.2273	4	mg/Kg	☼	282	15 - 128
Benzo[b]fluoranthene	0.182		0.0329	0.2812	4	mg/Kg	☼	300	12 - 133
Benzo[g,h,i]perylene	0.0956		0.0329	0.1262		mg/Kg	☼	93	22 - 120
Benzo[k]fluoranthene	0.0862		0.0329	0.1549	F	mg/Kg	☼	209	28 - 120
Chrysene	0.190		0.0329	0.2820	4	mg/Kg	☼	280	20 - 120
Dibenz(a,h)anthracene	0.0276		0.0329	0.05229		mg/Kg	☼	75	12 - 128
Fluorene	0.0341		0.0329	0.07416	F	mg/Kg	☼	122	20 - 120
Fluoranthene	0.397		0.0329	0.5416	E 4	mg/Kg	☼	438	10 - 143
Indeno[1,2,3-cd]pyrene	0.0880		0.0329	0.1237		mg/Kg	☼	108	22 - 121
Naphthalene	0.197		0.0329	0.3771	E 4	mg/Kg	☼	547	10 - 120
Phenanthrene	0.178		0.0329	0.2699	4	mg/Kg	☼	278	21 - 122
Pyrene	0.282		0.0329	0.4073	E 4	mg/Kg	☼	381	20 - 123
1-Methylnaphthalene	0.358		0.0329	0.6860	E 4	mg/Kg	☼	997	10 - 120
2-Methylnaphthalene	0.660		0.0329	1.265	E 4	mg/Kg	☼	1837	13 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
Terphenyl-d14	56		13 - 120
Nitrobenzene-d5	80		27 - 120
2-Fluorobiphenyl (Surr)	62		29 - 120

Lab Sample ID: 490-37356-L-1-C MSD
Matrix: Solid
Analysis Batch: 114429

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 114208

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	0.0184		0.0322	0.04583		mg/Kg	☼	85	19 - 120	11	50
Acenaphthylene	0.00771		0.0322	0.02862		mg/Kg	☼	65	25 - 120	1	50
Anthracene	0.0448		0.0322	0.06085		mg/Kg	☼	50	28 - 125	39	49
Benzo[a]anthracene	0.143		0.0322	0.1596	4	mg/Kg	☼	53	23 - 120	41	50
Benzo[a]pyrene	0.134		0.0322	0.1614	4	mg/Kg	☼	84	15 - 128	34	50
Benzo[b]fluoranthene	0.182		0.0322	0.2051	4	mg/Kg	☼	71	12 - 133	31	50
Benzo[g,h,i]perylene	0.0956		0.0322	0.09785	F	mg/Kg	☼	7	22 - 120	25	50
Benzo[k]fluoranthene	0.0862		0.0322	0.1019		mg/Kg	☼	49	28 - 120	41	45
Chrysene	0.190		0.0322	0.1851	4	mg/Kg	☼	-14	20 - 120	42	49
Dibenz(a,h)anthracene	0.0276		0.0322	0.04642		mg/Kg	☼	58	12 - 128	12	50

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

Lab Sample ID: 490-37356-L-1-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 114429 — **Prep Batch: 114208**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Fluorene	0.0341		0.0322	0.05241		mg/Kg	☼	57	20 - 120	34	50
Fluoranthene	0.397		0.0322	0.3359	E 4	mg/Kg	☼	-191	10 - 143	47	50
Indeno[1,2,3-cd]pyrene	0.0880		0.0322	0.09696		mg/Kg	☼	28	22 - 121	24	50
Naphthalene	0.197		0.0322	0.1476	4 F	mg/Kg	☼	-153	10 - 120	87	50
Phenanthrene	0.178		0.0322	0.1839	4	mg/Kg	☼	18	21 - 122	38	50
Pyrene	0.282		0.0322	0.2498	4	mg/Kg	☼	-99	20 - 123	48	50
1-Methylnaphthalene	0.358		0.0322	0.2711	4 F	mg/Kg	☼	-269	10 - 120	87	50
2-Methylnaphthalene	0.660		0.0322	0.4785	E 4 F	mg/Kg	☼	-562	13 - 120	90	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Terphenyl-d14	*56*		*13 - 120*
Nitrobenzene-d5	*67*		*27 - 120*
2-Fluorobiphenyl (Surr)	*59*		*29 - 120*

Method: NWTPH/VPH - Northwest - Volatile Petroleum Hydrocarbons (GC)

Lab Sample ID: 490-37275-8 MS — **Client Sample ID: SO-060493-100713-AS-SB-5-8'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 113330 — **Prep Batch: 113054**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
C5-C6 Aliphatics	ND		4.58	5.993	F	mg/Kg	☼	131	70 - 130
C6-C8 Aliphatics	ND		3.06	3.704		mg/Kg	☼	121	70 - 130
C8-C10 Aliphatics	3.63		9.17	13.29		mg/Kg	☼	105	70 - 130
C10-C12 Aliphatics	8.49		3.06	12.53	F	mg/Kg	☼	132	70 - 130
C8-C10 Aromatics	7.41		7.64	16.17		mg/Kg	☼	115	70 - 130
C10-C12 Aromatics	8.27		1.53	9.685	4	mg/Kg	☼	93	70 - 130
C12-C13 Aromatics	11.0		1.53	9.949	4	mg/Kg	☼	-67	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,5-Dibromotoluene (fid)	*92*		*60 - 140*
2,5-Dibromotoluene (pid)	*114*		*60 - 140*

Lab Sample ID: 490-37275-8 MSD — **Client Sample ID: SO-060493-100713-AS-SB-5-8'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 113330 — **Prep Batch: 113054**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C5-C6 Aliphatics	ND		4.58	6.051	F	mg/Kg	☼	132	70 - 130	1	25
C6-C8 Aliphatics	ND		3.06	3.699		mg/Kg	☼	121	70 - 130	0	25
C8-C10 Aliphatics	3.63		9.17	12.45		mg/Kg	☼	96	70 - 130	7	25
C10-C12 Aliphatics	8.49		3.06	10.39	F	mg/Kg	☼	62	70 - 130	19	25
C8-C10 Aromatics	7.41		7.64	13.83		mg/Kg	☼	84	70 - 130	16	25
C10-C12 Aromatics	8.27		1.53	6.793	4 F	mg/Kg	☼	-96	70 - 130	35	25
C12-C13 Aromatics	11.0		1.53	7.317	4 F	mg/Kg	☼	-239	70 - 130	30	25

Method: NWTPH/VPH - Northwest - Volatile Petroleum Hydrocarbons (GC) (Continued)

Lab Sample ID: 490-37275-8 MSD
Matrix: Solid
Analysis Batch: 113330

Client Sample ID: SO-060493-100713-AS-SB-5-8'
Prep Type: Total/NA
Prep Batch: 113054

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,5-Dibromotoluene (fid)	*91*		*60 - 140*
2,5-Dibromotoluene (pid)	*109*		*60 - 140*

Lab Sample ID: MB 490-113330/6
Matrix: Solid
Analysis Batch: 113330

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C5-C6 Aliphatics	ND		5.00		mg/Kg			10/10/13 14:06	1
C6-C8 Aliphatics	ND		5.00		mg/Kg			10/10/13 14:06	1
C8-C10 Aliphatics	ND		5.00		mg/Kg			10/10/13 14:06	1
C10-C12 Aliphatics	ND		5.00		mg/Kg			10/10/13 14:06	1
C8-C10 Aromatics	ND		5.00		mg/Kg			10/10/13 14:06	1
C10-C12 Aromatics	ND		5.00		mg/Kg			10/10/13 14:06	1
C12-C13 Aromatics	ND		5.00		mg/Kg			10/10/13 14:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,5-Dibromotoluene (fid)	*110*		*60 - 140*		*10/10/13 14:06*	*1*
2,5-Dibromotoluene (pid)	*110*		*60 - 140*		*10/10/13 14:06*	*1*

Lab Sample ID: LCS 490-113330/3
Matrix: Solid
Analysis Batch: 113330

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
C5-C6 Aliphatics			15.0	15.40		mg/Kg		103	70 - 130		
C6-C8 Aliphatics			10.0	9.731		mg/Kg		97	70 - 130		
C8-C10 Aliphatics			30.0	28.43		mg/Kg		95	70 - 130		
C10-C12 Aliphatics			10.0	11.47		mg/Kg		115	70 - 130		
C8-C10 Aromatics			25.0	24.11		mg/Kg		96	70 - 130		
C10-C12 Aromatics			5.00	5.207		mg/Kg		104	70 - 130		
C12-C13 Aromatics			5.00	5.478		mg/Kg		110	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,5-Dibromotoluene (fid)	*106*		*60 - 140*
2,5-Dibromotoluene (pid)	*108*		*60 - 140*

Lab Sample ID: LCSD 490-113330/4
Matrix: Solid
Analysis Batch: 113330

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C5-C6 Aliphatics			15.0	16.77		mg/Kg		112	70 - 130	9	25
C6-C8 Aliphatics			10.0	10.51		mg/Kg		105	70 - 130	8	25
C8-C10 Aliphatics			30.0	30.86		mg/Kg		103	70 - 130	8	25
C10-C12 Aliphatics			10.0	12.09		mg/Kg		121	70 - 130	5	25
C8-C10 Aromatics			25.0	26.02		mg/Kg		104	70 - 130	8	25

Method: NWTPH/VPH - Northwest - Volatile Petroleum Hydrocarbons (GC) (Continued)

Lab Sample ID: LCSD 490-113330/4
Matrix: Solid
Analysis Batch: 113330

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C10-C12 Aromatics			5.00	5.582		mg/Kg		112	70 - 130	7	25
C12-C13 Aromatics			5.00	5.980		mg/Kg		120	70 - 130	9	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,5-Dibromotoluene (fid)	*107*		*60 - 140*
2,5-Dibromotoluene (pid)	*108*		*60 - 140*

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

Lab Sample ID: 490-37275-2 DU
Matrix: Solid
Analysis Batch: 113241

Client Sample ID: SO-060493-100713-AS-SB-4-4'
Prep Type: Total/NA
Prep Batch: 113054

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
C6-C12	ND			ND		mg/Kg	☼			NC	10

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*70*		*50 - 150*

Lab Sample ID: MB 490-113241/7
Matrix: Solid
Analysis Batch: 113241

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	ND		5.00		mg/Kg			10/10/13 00:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*84*		*50 - 150*		*10/10/13 00:51*	*1*

Lab Sample ID: LCS 490-113241/32
Matrix: Solid
Analysis Batch: 113241

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
C6-C12			1.00	1.053		mg/Kg		105	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*96*		*50 - 150*

Lab Sample ID: LCSD 490-113241/33
Matrix: Solid
Analysis Batch: 113241

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C6-C12			1.00	1.038		mg/Kg		104	70 - 130	2	10

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

Lab Sample ID: LCSD 490-113241/33
Matrix: Solid
Analysis Batch: 113241

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
a,a,a-Trifluorotoluene	97		50 - 150

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 490-114487/1-A
Matrix: Solid
Analysis Batch: 114828

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114487

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.0333		mg/Kg		10/15/13 12:56	10/16/13 15:41	1
PCB-1221	ND		0.0333		mg/Kg		10/15/13 12:56	10/16/13 15:41	1
PCB-1232	ND		0.0333		mg/Kg		10/15/13 12:56	10/16/13 15:41	1
PCB-1242	ND		0.0333		mg/Kg		10/15/13 12:56	10/16/13 15:41	1
PCB-1248	ND		0.0333		mg/Kg		10/15/13 12:56	10/16/13 15:41	1
PCB-1254	ND		0.0333		mg/Kg		10/15/13 12:56	10/16/13 15:41	1
PCB-1260	ND		0.0333		mg/Kg		10/15/13 12:56	10/16/13 15:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	94		19 - 147	10/15/13 12:56	10/16/13 15:41	1
DCB Decachlorobiphenyl (Surr)	75		20 - 150	10/15/13 12:56	10/16/13 15:41	1

Lab Sample ID: LCS 490-114487/2-A
Matrix: Solid
Analysis Batch: 114828

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114487

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1248			0.167	0.1644		mg/Kg		99	45 - 149		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	107		19 - 147
DCB Decachlorobiphenyl (Surr)	81		20 - 150

Lab Sample ID: 490-37275-8 MS
Matrix: Solid
Analysis Batch: 114828

Client Sample ID: SO-060493-100713-AS-SB-5-8'
Prep Type: Total/NA
Prep Batch: 114487

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1248	ND		0.184	0.1786		mg/Kg	☼	97	11 - 158		

Surrogate	MS %Recovery	MS Qualifier	Limits
Tetrachloro-m-xylene	90		19 - 147
DCB Decachlorobiphenyl (Surr)	77		20 - 150

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 490-37275-8 MSD
Matrix: Solid
Analysis Batch: 114828

Client Sample ID: SO-060493-100713-AS-SB-5-8'
Prep Type: Total/NA
Prep Batch: 114487

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1248	ND		0.181	0.1647		mg/Kg	☼	91	11 - 158	8	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*89*		*19 - 147*
DCB Decachlorobiphenyl (Surr)	*76*		*20 - 150*

Method: NWTPH/EPH - Northwest - Extractable Petroleum Hydrocarbons (GC)

Lab Sample ID: MB 490-114054/1-B
Matrix: Solid
Analysis Batch: 115461

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114054

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C8-C10 Aliphatics	ND		5.00		mg/Kg		10/14/13 08:09	10/18/13 16:28	1
C10-C12 Aliphatics	ND		5.00		mg/Kg		10/14/13 08:09	10/18/13 16:28	1
C12-C16 Aliphatics	ND		5.00		mg/Kg		10/14/13 08:09	10/18/13 16:28	1
C16-C21 Aliphatics	ND		5.00		mg/Kg		10/14/13 08:09	10/18/13 16:28	1
C21-C34 Aliphatics	ND		5.00		mg/Kg		10/14/13 08:09	10/18/13 16:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctadecane	*72*		*60 - 140*	*10/14/13 08:09*	*10/18/13 16:28*	*1*

Lab Sample ID: MB 490-114054/1-C
Matrix: Solid
Analysis Batch: 116070

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114054

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C8-C10 Aromatics	ND		5.00		mg/Kg		10/14/13 08:09	10/22/13 16:57	1
C10-C12 Aromatics	ND		5.00		mg/Kg		10/14/13 08:09	10/22/13 16:57	1
C12-C16 Aromatics	ND		5.00		mg/Kg		10/14/13 08:09	10/22/13 16:57	1
C16-C21 Aromatics	ND		5.00		mg/Kg		10/14/13 08:09	10/22/13 16:57	1
C21-C34 Aromatics	ND		5.00		mg/Kg		10/14/13 08:09	10/22/13 16:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*95*		*60 - 140*	*10/14/13 08:09*	*10/22/13 16:57*	*1*
2-Bromonaphthalene	*80*		*60 - 140*	*10/14/13 08:09*	*10/22/13 16:57*	*1*
o-Terphenyl	*74*		*60 - 140*	*10/14/13 08:09*	*10/22/13 16:57*	*1*

Lab Sample ID: LCS 490-114054/2-B
Matrix: Solid
Analysis Batch: 115461

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114054

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
C8-C10 Aliphatics	10.0	5.461		mg/Kg		55	50 - 150
C10-C12 Aliphatics	5.00	ND		mg/Kg		70	70 - 130
C12-C16 Aliphatics	10.0	8.026		mg/Kg		80	70 - 130
C16-C21 Aliphatics	15.0	15.64		mg/Kg		104	70 - 130

Method: NWTPH/EPH - Northwest - Extractable Petroleum Hydrocarbons (GC) (Continued)

Lab Sample ID: LCS 490-114054/2-B
Matrix: Solid
Analysis Batch: 115461

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114054

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
C21-C34 Aliphatics			25.0	22.41		mg/Kg		90	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctadecane	*77*		*60 - 140*

Lab Sample ID: LCS 490-114054/2-C
Matrix: Solid
Analysis Batch: 116070

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114054

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
C10-C12 Aromatics			5.00	ND		mg/Kg		85	70 - 130		
C12-C16 Aromatics			15.0	13.80		mg/Kg		92	70 - 130		
C16-C21 Aromatics			25.0	22.01		mg/Kg		88	70 - 130		
C21-C34 Aromatics			40.0	33.12		mg/Kg		83	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*116*		*60 - 140*
2-Bromonaphthalene	*96*		*60 - 140*
o-Terphenyl	*90*		*60 - 140*

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

Lab Sample ID: MB 490-113383/1-A
Matrix: Solid
Analysis Batch: 113318

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113383

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	ND		5.00		mg/Kg		10/10/13 12:24	10/11/13 05:04	1
C24-C40	ND		5.00		mg/Kg		10/10/13 12:24	10/11/13 05:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*90*		*50 - 150*	*10/10/13 12:24*	*10/11/13 05:04*	*1*

Lab Sample ID: LCS 490-113383/2-A
Matrix: Solid
Analysis Batch: 113318

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113383

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
C10-C24			50.0	45.30		mg/Kg		91	55 - 129		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*90*		*50 - 150*

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

Lab Sample ID: 490-37275-1 DU
Matrix: Solid
Analysis Batch: 113318

Client Sample ID: SO-060493-100713-AS-SB-3-2'
Prep Type: Total/NA
Prep Batch: 113383

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
C10-C24	ND			ND		mg/Kg	☼			0.3	50
C24-C40	8.74			7.222		mg/Kg	☼			19	50

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
o-Terphenyl	*73*		*50 - 150*

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 490-114526/1-A
Matrix: Solid
Analysis Batch: 114654

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114526

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.499		mg/Kg		10/15/13 13:45	10/15/13 16:50	1

Lab Sample ID: LCS 490-114526/2-A
Matrix: Solid
Analysis Batch: 114654

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114526

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead			19.3	19.60		mg/Kg		102	80 - 120		

Lab Sample ID: 490-37096-F-7-G MS
Matrix: Solid
Analysis Batch: 114654

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 114526

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead	32.0		22.0	44.02	F	mg/Kg	☼	55	75 - 125		

Lab Sample ID: 490-37096-F-7-H MSD
Matrix: Solid
Analysis Batch: 114654

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 114526

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	32.0		22.3	54.48	F	mg/Kg	☼	101	75 - 125	21	20

Method: Moisture - Percent Moisture

Lab Sample ID: 490-37255-A-1 DU
Matrix: Solid
Analysis Batch: 113065

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Solids	80			82		%				2	20

GC/MS VOA

Prep Batch: 113054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37275-4	SO-060493-100713-AS-SB-4-11'	Total/NA	Solid	5035	

Prep Batch: 113060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37275-1	SO-060493-100713-AS-SB-3-2'	Total/NA	Solid	5035	
490-37275-2	SO-060493-100713-AS-SB-4-4'	Total/NA	Solid	5035	
490-37275-3	SO-060493-100713-AS-SB-4-10'	Total/NA	Solid	5035	
490-37275-5	SO-060493-100713-AS-SB-4-12'	Total/NA	Solid	5035	
490-37275-6	SO-060493-100713-AS-SB-5-3'	Total/NA	Solid	5035	
490-37275-7	SO-060493-100713-AS-SB-5-4'	Total/NA	Solid	5035	
490-37275-8	SO-060493-100713-AS-SB-5-8'	Total/NA	Solid	5035	
490-37275-9	Trip Blank	Total/NA	Solid	5035	

Analysis Batch: 114356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37275-7	SO-060493-100713-AS-SB-5-4'	Total/NA	Solid	8260B	113060
490-37275-8	SO-060493-100713-AS-SB-5-8'	Total/NA	Solid	8260B	113060
490-37275-9	Trip Blank	Total/NA	Solid	8260B	113060
LCS 490-114356/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-114356/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-114356/7	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 114674

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37275-1	SO-060493-100713-AS-SB-3-2'	Total/NA	Solid	8260B	113060
490-37275-2	SO-060493-100713-AS-SB-4-4'	Total/NA	Solid	8260B	113060
490-37275-3	SO-060493-100713-AS-SB-4-10'	Total/NA	Solid	8260B	113060
490-37275-5	SO-060493-100713-AS-SB-4-12'	Total/NA	Solid	8260B	113060
LCS 490-114674/8	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-114674/9	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-114674/12	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 114676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37275-6	SO-060493-100713-AS-SB-5-3'	Total/NA	Solid	8260B	113060
LCS 490-114676/5	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-114676/6	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-114676/9	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 114976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37275-4	SO-060493-100713-AS-SB-4-11'	Total/NA	Solid	8260B	113054
LCS 490-114976/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-114976/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-114976/6	Method Blank	Total/NA	Solid	8260B	

GC/MS Semi VOA

Prep Batch: 114208

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37275-8	SO-060493-100713-AS-SB-5-8'	Total/NA	Solid	3550B	
490-37356-L-1-B MS	Matrix Spike	Total/NA	Solid	3550B	
490-37356-L-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3550B	
LCS 490-114208/2-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 490-114208/1-A	Method Blank	Total/NA	Solid	3550B	

Analysis Batch: 114429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37275-8	SO-060493-100713-AS-SB-5-8'	Total/NA	Solid	8270C SIM	114208
490-37356-L-1-B MS	Matrix Spike	Total/NA	Solid	8270C SIM	114208
490-37356-L-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8270C SIM	114208
LCS 490-114208/2-A	Lab Control Sample	Total/NA	Solid	8270C SIM	114208
MB 490-114208/1-A	Method Blank	Total/NA	Solid	8270C SIM	114208

GC VOA

Prep Batch: 113054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37275-1	SO-060493-100713-AS-SB-3-2'	Total/NA	Solid	5035	
490-37275-2	SO-060493-100713-AS-SB-4-4'	Total/NA	Solid	5035	
490-37275-2 DU	SO-060493-100713-AS-SB-4-4'	Total/NA	Solid	5035	
490-37275-3	SO-060493-100713-AS-SB-4-10'	Total/NA	Solid	5035	
490-37275-4	SO-060493-100713-AS-SB-4-11'	Total/NA	Solid	5035	
490-37275-5	SO-060493-100713-AS-SB-4-12'	Total/NA	Solid	5035	
490-37275-6	SO-060493-100713-AS-SB-5-3'	Total/NA	Solid	5035	
490-37275-7	SO-060493-100713-AS-SB-5-4'	Total/NA	Solid	5035	
490-37275-8	SO-060493-100713-AS-SB-5-8'	Total/NA	Solid	5035	
490-37275-8	SO-060493-100713-AS-SB-5-8'	Total/NA	Solid	5035	
490-37275-8 MS	SO-060493-100713-AS-SB-5-8'	Total/NA	Solid	5035	
490-37275-8 MSD	SO-060493-100713-AS-SB-5-8'	Total/NA	Solid	5035	

Analysis Batch: 113241

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37275-1	SO-060493-100713-AS-SB-3-2'	Total/NA	Solid	NWTPH-Gx	113054
490-37275-2	SO-060493-100713-AS-SB-4-4'	Total/NA	Solid	NWTPH-Gx	113054
490-37275-2 DU	SO-060493-100713-AS-SB-4-4'	Total/NA	Solid	NWTPH-Gx	113054
490-37275-3	SO-060493-100713-AS-SB-4-10'	Total/NA	Solid	NWTPH-Gx	113054
490-37275-4	SO-060493-100713-AS-SB-4-11'	Total/NA	Solid	NWTPH-Gx	113054
490-37275-5	SO-060493-100713-AS-SB-4-12'	Total/NA	Solid	NWTPH-Gx	113054
490-37275-6	SO-060493-100713-AS-SB-5-3'	Total/NA	Solid	NWTPH-Gx	113054
490-37275-7	SO-060493-100713-AS-SB-5-4'	Total/NA	Solid	NWTPH-Gx	113054
490-37275-8	SO-060493-100713-AS-SB-5-8'	Total/NA	Solid	NWTPH-Gx	113054
LCS 490-113241/32	Lab Control Sample	Total/NA	Solid	NWTPH-Gx	
LCSD 490-113241/33	Lab Control Sample Dup	Total/NA	Solid	NWTPH-Gx	
MB 490-113241/7	Method Blank	Total/NA	Solid	NWTPH-Gx	

Analysis Batch: 113330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37275-8	SO-060493-100713-AS-SB-5-8'	Total/NA	Solid	NWTPH/VPH	113054
490-37275-8 MS	SO-060493-100713-AS-SB-5-8'	Total/NA	Solid	NWTPH/VPH	113054

GC VOA (Continued)

Analysis Batch: 113330 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37275-8 MSD	SO-060493-100713-AS-SB-5-8'	Total/NA	Solid	NWTPH/VPH	113054
LCS 490-113330/3	Lab Control Sample	Total/NA	Solid	NWTPH/VPH	
LCSD 490-113330/4	Lab Control Sample Dup	Total/NA	Solid	NWTPH/VPH	
MB 490-113330/6	Method Blank	Total/NA	Solid	NWTPH/VPH	

Analysis Batch: 114284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37275-8	SO-060493-100713-AS-SB-5-8'	Total/NA	Solid	NWTPH/VPH	

GC Semi VOA

Analysis Batch: 113318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37275-1	SO-060493-100713-AS-SB-3-2'	Total/NA	Solid	NWTPH-Dx	113383
490-37275-1 DU	SO-060493-100713-AS-SB-3-2'	Total/NA	Solid	NWTPH-Dx	113383
490-37275-2	SO-060493-100713-AS-SB-4-4'	Total/NA	Solid	NWTPH-Dx	113383
490-37275-3	SO-060493-100713-AS-SB-4-10'	Total/NA	Solid	NWTPH-Dx	113383
490-37275-4	SO-060493-100713-AS-SB-4-11'	Total/NA	Solid	NWTPH-Dx	113383
490-37275-4	SO-060493-100713-AS-SB-4-11'	Total/NA	Solid	NWTPH-Dx	113383
490-37275-5	SO-060493-100713-AS-SB-4-12'	Total/NA	Solid	NWTPH-Dx	113383
490-37275-6	SO-060493-100713-AS-SB-5-3'	Total/NA	Solid	NWTPH-Dx	113383
490-37275-7	SO-060493-100713-AS-SB-5-4'	Total/NA	Solid	NWTPH-Dx	113383
490-37275-8	SO-060493-100713-AS-SB-5-8'	Total/NA	Solid	NWTPH-Dx	113383
LCS 490-113383/2-A	Lab Control Sample	Total/NA	Solid	NWTPH-Dx	113383
MB 490-113383/1-A	Method Blank	Total/NA	Solid	NWTPH-Dx	113383

Prep Batch: 113383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37275-1	SO-060493-100713-AS-SB-3-2'	Total/NA	Solid	3550B	
490-37275-1 DU	SO-060493-100713-AS-SB-3-2'	Total/NA	Solid	3550B	
490-37275-2	SO-060493-100713-AS-SB-4-4'	Total/NA	Solid	3550B	
490-37275-3	SO-060493-100713-AS-SB-4-10'	Total/NA	Solid	3550B	
490-37275-4	SO-060493-100713-AS-SB-4-11'	Total/NA	Solid	3550B	
490-37275-5	SO-060493-100713-AS-SB-4-12'	Total/NA	Solid	3550B	
490-37275-6	SO-060493-100713-AS-SB-5-3'	Total/NA	Solid	3550B	
490-37275-7	SO-060493-100713-AS-SB-5-4'	Total/NA	Solid	3550B	
490-37275-8	SO-060493-100713-AS-SB-5-8'	Total/NA	Solid	3550B	
LCS 490-113383/2-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 490-113383/1-A	Method Blank	Total/NA	Solid	3550B	

Prep Batch: 114054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37275-8	SO-060493-100713-AS-SB-5-8'	Total/NA	Solid	3541	
LCS 490-114054/2-B	Lab Control Sample	Total/NA	Solid	3541	
LCS 490-114054/2-C	Lab Control Sample	Total/NA	Solid	3541	
MB 490-114054/1-B	Method Blank	Total/NA	Solid	3541	
MB 490-114054/1-C	Method Blank	Total/NA	Solid	3541	

GC Semi VOA (Continued)

Prep Batch: 114487

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37275-8	SO-060493-100713-AS-SB-5-8'	Total/NA	Solid	3550B	
490-37275-8 MS	SO-060493-100713-AS-SB-5-8'	Total/NA	Solid	3550B	
490-37275-8 MSD	SO-060493-100713-AS-SB-5-8'	Total/NA	Solid	3550B	
LCS 490-114487/2-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 490-114487/1-A	Method Blank	Total/NA	Solid	3550B	

Analysis Batch: 114828

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37275-8	SO-060493-100713-AS-SB-5-8'	Total/NA	Solid	8082	114487
490-37275-8 MS	SO-060493-100713-AS-SB-5-8'	Total/NA	Solid	8082	114487
490-37275-8 MSD	SO-060493-100713-AS-SB-5-8'	Total/NA	Solid	8082	114487
LCS 490-114487/2-A	Lab Control Sample	Total/NA	Solid	8082	114487
MB 490-114487/1-A	Method Blank	Total/NA	Solid	8082	114487

Fraction Batch: 115281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37275-8	SO-060493-100713-AS-SB-5-8'	Total/NA	Solid	EPH Frac	114054
490-37275-8	SO-060493-100713-AS-SB-5-8'	Total/NA	Solid	EPH Frac	114054
LCS 490-114054/2-B	Lab Control Sample	Total/NA	Solid	EPH Frac	114054
LCS 490-114054/2-C	Lab Control Sample	Total/NA	Solid	EPH Frac	114054
MB 490-114054/1-B	Method Blank	Total/NA	Solid	EPH Frac	114054
MB 490-114054/1-C	Method Blank	Total/NA	Solid	EPH Frac	114054

Analysis Batch: 115461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37275-8	SO-060493-100713-AS-SB-5-8'	Total/NA	Solid	NWTPH/EPH	115281
LCS 490-114054/2-B	Lab Control Sample	Total/NA	Solid	NWTPH/EPH	115281
MB 490-114054/1-B	Method Blank	Total/NA	Solid	NWTPH/EPH	115281

Analysis Batch: 116070

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37275-8	SO-060493-100713-AS-SB-5-8'	Total/NA	Solid	NWTPH/EPH	115281
LCS 490-114054/2-C	Lab Control Sample	Total/NA	Solid	NWTPH/EPH	115281
MB 490-114054/1-C	Method Blank	Total/NA	Solid	NWTPH/EPH	115281

Metals

Prep Batch: 114526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37096-F-7-G MS	Matrix Spike	Total/NA	Solid	3051	
490-37096-F-7-H MSD	Matrix Spike Duplicate	Total/NA	Solid	3051	
490-37275-6	SO-060493-100713-AS-SB-5-3'	Total/NA	Solid	3051	
490-37275-7	SO-060493-100713-AS-SB-5-4'	Total/NA	Solid	3051	
490-37275-8	SO-060493-100713-AS-SB-5-8'	Total/NA	Solid	3051	
LCS 490-114526/2-A	Lab Control Sample	Total/NA	Solid	3051	
MB 490-114526/1-A	Method Blank	Total/NA	Solid	3051	

Analysis Batch: 114654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37096-F-7-G MS	Matrix Spike	Total/NA	Solid	6020	114526

Metals (Continued)

Analysis Batch: 114654 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37096-F-7-H MSD	Matrix Spike Duplicate	Total/NA	Solid	6020	114526
490-37275-6	SO-060493-100713-AS-SB-5-3'	Total/NA	Solid	6020	114526
490-37275-7	SO-060493-100713-AS-SB-5-4'	Total/NA	Solid	6020	114526
490-37275-8	SO-060493-100713-AS-SB-5-8'	Total/NA	Solid	6020	114526
LCS 490-114526/2-A	Lab Control Sample	Total/NA	Solid	6020	114526
MB 490-114526/1-A	Method Blank	Total/NA	Solid	6020	114526

General Chemistry

Analysis Batch: 113065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37255-A-1 DU	Duplicate	Total/NA	Solid	Moisture	
490-37275-1	SO-060493-100713-AS-SB-3-2'	Total/NA	Solid	Moisture	
490-37275-2	SO-060493-100713-AS-SB-4-4'	Total/NA	Solid	Moisture	
490-37275-3	SO-060493-100713-AS-SB-4-10'	Total/NA	Solid	Moisture	
490-37275-4	SO-060493-100713-AS-SB-4-11'	Total/NA	Solid	Moisture	
490-37275-5	SO-060493-100713-AS-SB-4-12'	Total/NA	Solid	Moisture	
490-37275-6	SO-060493-100713-AS-SB-5-3'	Total/NA	Solid	Moisture	
490-37275-7	SO-060493-100713-AS-SB-5-4'	Total/NA	Solid	Moisture	
490-37275-8	SO-060493-100713-AS-SB-5-8'	Total/NA	Solid	Moisture	

Client Sample ID: SO-060493-100713-AS-SB-3-2'

Lab Sample ID: 490-37275-1

Date Collected: 10/07/13 09:50
Matrix: Solid
Date Received: 10/09/13 08:15
Percent Solids: 81.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			113060	10/09/13 12:45	JLP	TAL NSH
Total/NA	Analysis	8260B		1	114674	10/16/13 19:53	KKK	TAL NSH
Total/NA	Prep	5035			113054	10/09/13 12:32	JLP	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	113241	10/10/13 04:41	AMC	TAL NSH
Total/NA	Prep	3550B			113383	10/10/13 12:24	BJB	TAL NSH
Total/NA	Analysis	NWTPH-Dx		1	113318	10/11/13 06:51	JLF	TAL NSH
Total/NA	Analysis	Moisture		1	113065	10/09/13 12:56	RRS	TAL NSH

Client Sample ID: SO-060493-100713-AS-SB-4-4'

Lab Sample ID: 490-37275-2

Date Collected: 10/07/13 14:45
Matrix: Solid
Date Received: 10/09/13 08:15
Percent Solids: 93.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			113060	10/09/13 12:45	JLP	TAL NSH
Total/NA	Analysis	8260B		1	114674	10/16/13 17:52	KKK	TAL NSH
Total/NA	Prep	5035			113054	10/09/13 12:32	JLP	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	113241	10/10/13 01:20	AMC	TAL NSH
Total/NA	Prep	3550B			113383	10/10/13 12:24	BJB	TAL NSH
Total/NA	Analysis	NWTPH-Dx		1	113318	10/11/13 07:21	JLF	TAL NSH
Total/NA	Analysis	Moisture		1	113065	10/09/13 12:56	RRS	TAL NSH

Client Sample ID: SO-060493-100713-AS-SB-4-10'

Lab Sample ID: 490-37275-3

Date Collected: 10/07/13 15:10
Matrix: Solid
Date Received: 10/09/13 08:15
Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			113060	10/09/13 12:45	JLP	TAL NSH
Total/NA	Analysis	8260B		1	114674	10/16/13 18:53	KKK	TAL NSH
Total/NA	Prep	5035			113054	10/09/13 12:32	JLP	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	113241	10/10/13 06:36	AMC	TAL NSH
Total/NA	Prep	3550B			113383	10/10/13 12:24	BJB	TAL NSH
Total/NA	Analysis	NWTPH-Dx		1	113318	10/11/13 07:36	JLF	TAL NSH
Total/NA	Analysis	Moisture		1	113065	10/09/13 12:56	RRS	TAL NSH

Client Sample ID: SO-060493-100713-AS-SB-4-11'

Lab Sample ID: 490-37275-4

Date Collected: 10/07/13 15:30
Matrix: Solid
Date Received: 10/09/13 08:15
Percent Solids: 87.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			113054	10/09/13 12:32	JLP	TAL NSH
Total/NA	Analysis	8260B		1	114976	10/17/13 16:29	KKK	TAL NSH
Total/NA	Prep	5035			113054	10/09/13 12:32	JLP	TAL NSH
Total/NA	Analysis	NWTPH-Gx		100	113241	10/10/13 16:25	AMC	TAL NSH

Client Sample ID: SO-060493-100713-AS-SB-4-11'

Lab Sample ID: 490-37275-4
Date Collected: 10/07/13 15:30
Matrix: Solid
Date Received: 10/09/13 08:15
Percent Solids: 87.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	NWTPH-Dx		1	113318	10/11/13 07:52	JLF	TAL NSH
Total/NA	Prep	3550B			113383	10/10/13 12:24	BJB	TAL NSH
Total/NA	Analysis	NWTPH-Dx		5	113318	10/11/13 12:24	JLF	TAL NSH
Total/NA	Analysis	Moisture		1	113065	10/09/13 12:56	RRS	TAL NSH

Client Sample ID: SO-060493-100713-AS-SB-4-12'

Lab Sample ID: 490-37275-5
Date Collected: 10/07/13 15:55
Matrix: Solid
Date Received: 10/09/13 08:15
Percent Solids: 87.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			113060	10/09/13 12:45	JLP	TAL NSH
Total/NA	Analysis	8260B		1	114674	10/16/13 18:22	KKK	TAL NSH
Total/NA	Prep	5035			113054	10/09/13 12:32	JLP	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	113241	10/10/13 02:17	AMC	TAL NSH
Total/NA	Prep	3550B			113383	10/10/13 12:24	BJB	TAL NSH
Total/NA	Analysis	NWTPH-Dx		1	113318	10/11/13 08:07	JLF	TAL NSH
Total/NA	Analysis	Moisture		1	113065	10/09/13 12:56	RRS	TAL NSH

Client Sample ID: SO-060493-100713-AS-SB-5-3'

Lab Sample ID: 490-37275-6
Date Collected: 10/07/13 10:45
Matrix: Solid
Date Received: 10/09/13 08:15
Percent Solids: 91.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			113060	10/09/13 12:45	JLP	TAL NSH
Total/NA	Analysis	8260B		1	114676	10/16/13 14:27	KKK	TAL NSH
Total/NA	Prep	5035			113054	10/09/13 12:32	JLP	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	113241	10/10/13 05:10	AMC	TAL NSH
Total/NA	Prep	3550B			113383	10/10/13 12:24	BJB	TAL NSH
Total/NA	Analysis	NWTPH-Dx		1	113318	10/11/13 05:35	JLF	TAL NSH
Total/NA	Prep	3051			114526	10/15/13 13:45	NLI	TAL NSH
Total/NA	Analysis	6020		1	114654	10/15/13 17:32	BWW	TAL NSH
Total/NA	Analysis	Moisture		1	113065	10/09/13 12:56	RRS	TAL NSH

Client Sample ID: SO-060493-100713-AS-SB-5-4'

Lab Sample ID: 490-37275-7
Date Collected: 10/07/13 10:50
Matrix: Solid
Date Received: 10/09/13 08:15
Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			113060	10/09/13 12:45	JLP	TAL NSH
Total/NA	Analysis	8260B		1	114356	10/15/13 19:41	KKK	TAL NSH
Total/NA	Prep	5035			113054	10/09/13 12:32	JLP	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	113241	10/10/13 02:46	AMC	TAL NSH
Total/NA	Prep	3550B			113383	10/10/13 12:24	BJB	TAL NSH

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 210 NE 45th ST Seattle WA

TestAmerica Job ID: 490-37275-1
SDG: 490372751

Client Sample ID: SO-060493-100713-AS-SB-5-4'

Lab Sample ID: 490-37275-7

Date Collected: 10/07/13 10:50
Matrix: Solid
Date Received: 10/09/13 08:15
Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	NWTPH-Dx		1	113318	10/11/13 05:50	JLF	TAL NSH
Total/NA	Prep	3051			114526	10/15/13 13:45	NLI	TAL NSH
Total/NA	Analysis	6020		1	114654	10/15/13 17:46	BWW	TAL NSH
Total/NA	Analysis	Moisture		1	113065	10/09/13 12:56	RRS	TAL NSH

Client Sample ID: SO-060493-100713-AS-SB-5-8'

Lab Sample ID: 490-37275-8

Date Collected: 10/07/13 13:00
Matrix: Solid
Date Received: 10/09/13 08:15
Percent Solids: 89.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			113060	10/09/13 12:45	JLP	TAL NSH
Total/NA	Analysis	8260B		1	114356	10/15/13 20:10	KKK	TAL NSH
Total/NA	Prep	3550B			114208	10/14/13 13:50	LP	TAL NSH
Total/NA	Analysis	8270C SIM		1	114429	10/15/13 18:41	BES	TAL NSH
Total/NA	Prep	5035			113054	10/09/13 12:32	JLP	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	113241	10/10/13 05:39	AMC	TAL NSH
Total/NA	Prep	5035			113054	10/09/13 12:32	JLP	TAL NSH
Total/NA	Analysis	NWTPH/VPH		1	113330	10/10/13 17:43	FKG	TAL NSH
Total/NA	Analysis	NWTPH/VPH		1	114284	10/14/13 21:47	FKG	TAL NSH
Total/NA	Prep	3550B			113383	10/10/13 12:24	BJB	TAL NSH
Total/NA	Analysis	NWTPH-Dx		1	113318	10/11/13 06:05	JLF	TAL NSH
Total/NA	Prep	3550B			114487	10/15/13 12:56	LP	TAL NSH
Total/NA	Analysis	8082		1	114828	10/16/13 16:24	WAM	TAL NSH
Total/NA	Prep	3541			114054	10/14/13 11:54	LP	TAL NSH
Total/NA	Fraction	EPH Frac			115281	10/18/13 09:04	TRF	TAL NSH
Total/NA	Analysis	NWTPH/EPH		1	115461	10/18/13 17:51	GMH	TAL NSH
Total/NA	Prep	3541			114054	10/14/13 11:54	LP	TAL NSH
Total/NA	Fraction	EPH Frac			115281	10/18/13 09:04	TRF	TAL NSH
Total/NA	Analysis	NWTPH/EPH		1	116070	10/22/13 18:27	KKH	TAL NSH
Total/NA	Prep	3051			114526	10/15/13 13:45	NLI	TAL NSH
Total/NA	Analysis	6020		1	114654	10/15/13 17:50	BWW	TAL NSH
Total/NA	Analysis	Moisture		1	113065	10/09/13 12:56	RRS	TAL NSH

Client Sample ID: Trip Blank

Lab Sample ID: 490-37275-9

Date Collected: 10/07/13 00:01
Matrix: Solid
Date Received: 10/09/13 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			113060	10/09/13 12:45	JLP	TAL NSH
Total/NA	Analysis	8260B		1	114356	10/15/13 13:50	KKK	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Method Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 210 NE 45th ST Seattle WA

TestAmerica Job ID: 490-37275-1
SDG: 490372751

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NSH
8270C SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	TAL NSH
NWTPH/VPH	Northwest - Volatile Petroleum Hydrocarbons (GC)	NWTPH	TAL NSH
NWTPH-Gx	Northwest - Volatile Petroleum Products (GC)	NWTPH	TAL NSH
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL NSH
NWTPH/EPH	Northwest - Extractable Petroleum Hydrocarbons (GC)	NWTPH	TAL NSH
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	TAL NSH
6020	Metals (ICP/MS)	SW846	TAL NSH
Moisture	Percent Moisture	EPA	TAL NSH

Protocol References:

EPA = US Environmental Protection Agency

NWTPH = Northwest Total Petroleum Hydrocarbon

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 210 NE 45th ST Seattle WA

TestAmerica Job ID: 490-37275-1
SDG: 490372751

Laboratory: TestAmerica Nashville

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Washington	State Program	10	C789	07-19-14

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
6020	3051	Solid	Lead
8082	3550B	Solid	PCB-1016
8082	3550B	Solid	PCB-1221
8082	3550B	Solid	PCB-1232
8082	3550B	Solid	PCB-1242
8082	3550B	Solid	PCB-1248
8082	3550B	Solid	PCB-1254
8082	3550B	Solid	PCB-1260
8260B		Solid	Hexane
8260B	5035	Solid	Hexane
8270C SIM	3550B	Solid	1-Methylnaphthalene
8270C SIM	3550B	Solid	2-Methylnaphthalene
8270C SIM	3550B	Solid	Acenaphthene
8270C SIM	3550B	Solid	Acenaphthylene
8270C SIM	3550B	Solid	Anthracene
8270C SIM	3550B	Solid	Benzo[a]anthracene
8270C SIM	3550B	Solid	Benzo[a]pyrene
8270C SIM	3550B	Solid	Benzo[b]fluoranthene
8270C SIM	3550B	Solid	Benzo[g,h,i]perylene
8270C SIM	3550B	Solid	Benzo[k]fluoranthene
8270C SIM	3550B	Solid	Chrysene
8270C SIM	3550B	Solid	Dibenz(a,h)anthracene
8270C SIM	3550B	Solid	Fluoranthene
8270C SIM	3550B	Solid	Fluorene
8270C SIM	3550B	Solid	Indeno[1,2,3-cd]pyrene
8270C SIM	3550B	Solid	Naphthalene
8270C SIM	3550B	Solid	Phenanthrene
8270C SIM	3550B	Solid	Pyrene
Moisture		Solid	Percent Solids
NWTPH-Dx	3550B	Solid	C10-C24
NWTPH-Gx		Solid	C6-C12
NWTPH-Gx	5035	Solid	C6-C12

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIP

490-37275 Chain of Custody

Cooler Received/Opened On : 10/9/2013 @ 0815

Tracking # 2210 (last 4 digits, FedEx)

Courier: Fed-ex IR Gun : 12080142

1. Temperature of rep. sample or temp blank when opened: 2.1 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...(NA)

4. Were custody seals on outside of cooler? (YES)..NO...NA

If yes, how many and where: 1 Front

5. Were the seals intact, signed, and dated correctly? (YES)..NO...NA

6. Were custody papers inside cooler? (YES)..NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES (NO) and Intact YES NO (NA)

Were these signed and dated correctly? YES...NO...(NA)

8. Packing mat'l used? (Bubblewrap) (Plastic bag) Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: (Ice) Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? (YES)..NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? (YES)..NO...NA

12. Did all container labels and tags agree with custody papers? (YES)..NO...NA

13a. Were VOA vials received? (YES)..NO...NA

b. Was there any observable headspace present in any VOA vial? YES (NO) NA -BOIS

14. Was there a Trip Blank in this cooler? (YES)..NO...NA If multiple coolers, sequence # NA

I certify that I unloaded the cooler and answered questions 7-14 (intial) AF

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...(NA)

b. Did the bottle labels indicate that the correct preservatives were used (YES)..NO...NA

16. Was residual chlorine present? YES...NO...(NA)

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) AF

17. Were custody papers properly filled out (ink, signed, etc)? (YES)..NO...NA

18. Did you sign the custody papers in the appropriate place? (YES)..NO...NA

19. Were correct containers used for the analysis requested? (YES)..NO...NA

20. Was sufficient amount of sample sent in each container? (YES)..NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) AF

I certify that I attached a label with the unique LIMS number to each container (intial) AF

21. Were there Non-Conformance issues at login? YES..(NO) Was a NCM generated? YES...(NO)..#_____

BIS = Broken in shipment

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)
- ☐ CALSCIENCE (_____)
- ☐ SPL Houston (_____)
- ☐ XENCO (_____)
- ☑ TEST AMERICA (Nashville)
- ☐ OTHER (_____)

Please Check Appropriate Box:
- ☐ ENV. SERVICES
- ☐ MOTIVA RETAIL
- ☐ SHELL RETAIL
- ☐ MOTIVA SD&CM
- ☑ CONSULTANT
- ☐ LUBES
- ☐ SHELL PIPELINE
- ☐ OTHER

Print Bill To Contact Name:

INCIDENT # (ENV SERVICES): 9 1 8 8 0 6 2 2 ☐ CHECK IF NO INCIDENT # APPLIES

DATE: 10/8/13

PAGE: 1 of 1

PO #: 4 0 4 0 3 6 0 5 8

SAP #: 1 2 0 8 7 7

SAMPLING COMPANY: Conestoga-Rovers & Associates

LOG CODE: CRAW

SITE ADDRESS: Street and City: 210 NE 45th St Seattle

State: WA

GLOBAL ID NO.:

ADDRESS: 20818 44th Ave West, Suite 190, Lynnwood, WA 98036

EDF DELIVERABLE TO (Name, Company, Office Location): Christine Diel, CRA

PHONE NO.: 425-563-6500

E-MAIL: cdiel@CRAworld.com

CONSULTANT PROJECT NO.: 060493

PROJECT CONTACT (Hardcopy or PDF Report to): Michael Lam

TELEPHONE: 425-563-6500

FAX: 425-563-6599

E-MAIL: MQLam@craworld.com

SAMPLER NAME(S) (Print): Andrea Schweiter

LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS):
- X STANDARD (14 DAY)
- ☐ 5 DAYS
- ☐ 3 DAYS
- ☐ 2 DAYS
- ☐ 24 HOURS
- ☐ RESULTS NEEDED ON WEEKEN

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :

Copy final report to Shell.Lab.Billing@craworld.com

See TA PM for WA Dept. of Ecology MTCA Method A cleanup levels for minimum detection limits

- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☐ RECEIPT VERIFICATION REQUESTED

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	NWTPH-Gx	NWTPH-Dx w/Silica Gel Cleanup	BTEX (8260B)	~~5 Oxygenates (MTBE, TAA, DIPE, TAME, ETBE (8260B))~~	EDC (8260B)	~~EDB (8011)~~ 8260B	Total Lead (6020)	PCBs (8082)	~~PAHs (8270C-SIM)~~ CPAH 8270C	~~VOCs Full list (8260B)~~ HVOC	Pest (8080)	NWTPH-VPH	NWTPH-EPH	~~n-Hexane (8021B)~~ 8260B	Naphthalene 8260B	TEMPERATURE ON RECEIPT C° / Container PID Readings or Laboratory Notes
1	SO-0160493-100713-AS-SB-3-2'	10/7/13	0950	Soil						6	X	X	X													22.6
2	SO-0160493-100713-AS-SB-4-4'		1445							6	X	X	X													98.3
3	SO-0160493-100713-AS-SB-4-10'		1510							6	X	X	X													103.7
4	SO-0160493-100713-AS-SB-4-11'		1530							12	X	X	X													1,115 ✓
5	SO-0160493-100713-AS-SB-4-12'		1555							6	X	X	X													109.4
6	SO-0160493-100713-AS-SB-5-3'		1045							6	X	X	X	X	X	X	X									91.4
7	SO-0160493-100713-AS-SB-5-4'		1050							6	X	X	X	X	X	X	X									131.4
10	SO-0160493-100713-AS-SB-5-8'		1300							12	X	X	X	X	X	X	X	X	X	X		X	X	X	X	145.3 *

Loc: 490 37275

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Andrea Schweiter CRA	FedEx	10/8/13	
Relinquished by: (Signature)	Received by: (Signature) 2.1 TAN	Date: 10-9-13	Time: 08:15
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

05/2/06 Revision

* Please make NWTPH-Gx & NWTPH-Dx 2 Day turn around time
Please hold EPH, VPH, n-Hexane, Naphthalene, Pending NWTPH-Gx & NWTPH-Dx analysis

10/23/2013

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 490-37275-1
SDG Number: 490372751

Login Number: 37275
List Number: 1
Creator: Ford, Easton

List Source: TestAmerica Nashville

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Tel: (615)726-0177

TestAmerica Job ID: 490-37356-1
TestAmerica Sample Delivery Group: SAP 120877 / 060493
Client Project/Site: 210 NE 45th St Seattle WA

For:
Conestoga-Rovers & Associates, Inc.
20818 44th Ave W
Suite 190
Lynnwood, Washington 98036

Attn: Michael Lam

Authorized for release by:
10/23/2013 3:28:44 PM

Ryan Fitzwater, Senior Project Manager
(615)726-0177
ryan.fitzwater@testamericainc.com

Table of Contents

Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 210 NE 45th St Seattle WA

TestAmerica Job ID: 490-37356-1
SDG: SAP 120877 / 060493

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-37356-1	SO-060493-100813-AS-SB-6-4	Solid	10/08/13 09:55	10/09/13 08:15
490-37356-2	SO-060493-100813-AS-SB-7-2	Solid	10/08/13 12:05	10/09/13 08:15
490-37356-3	SO-060493-100813-AS-SB-7-4	Solid	10/08/13 12:15	10/09/13 08:15
490-37356-4	SO-060493-100813-AS-SB-7-8	Solid	10/08/13 12:30	10/09/13 08:15
490-37356-5	SO-060493-100813-AS-SB-7-11.5	Solid	10/08/13 12:45	10/09/13 08:15
490-37356-6	Trip Blank	Solid	10/08/13 00:01	10/09/13 08:15

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 210 NE 45th St Seattle WA

TestAmerica Job ID: 490-37356-1
SDG: SAP 120877 / 060493

Job ID: 490-37356-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative
490-37356-1

Comments
No additional comments.

Receipt
The samples were received on 10/9/2013 8:15 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.6º C.

GC/MS VOA
Method(s) 8260B: Surrogate recovery for the following sample(s) was outside control limits: SO-060493-100813-AS-SB-7-11.5 (490-37356-5), SO-060493-100813-AS-SB-7-8 (490-37356-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8260B: Internal standard responses were outside of acceptance limits for the following sample(s): SO-060493-100813-AS-SB-7-11.5 (490-37356-5), SO-060493-100813-AS-SB-7-8 (490-37356-4). The sample(s) shows evidence of matrix interference.

Method(s) 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 114674. See LCS/LCSD

Method(s) 8260B: Surrogate recovery for the following sample(s) was outside control limits: SO-060493-100813-AS-SB-7-11.5 (490-37356-5), SO-060493-100813-AS-SB-7-8 (490-37356-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 114976. See lcs/lcsd

Method(s) 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 115295. See LCS/LCSD

No other analytical or quality issues were noted.

GC Semi VOA
No analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

VOA Prep
No analytical or quality issues were noted.

Job ID: 490-37356-2

Laboratory: TestAmerica Nashville

Narrative

Job Narrative
490-37356-2

Comments
No additional comments.

Receipt

Job ID: 490-37356-2 (Continued)

Laboratory: TestAmerica Nashville (Continued)

The samples were received on 10/9/2013 8:15 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.6º C.

GC/MS VOA
Method(s) 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 114356. See lcs/lcsd

Method(s) 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 114976. See lcs/lcsd

No other analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270C SIM: The matrix spike / matrix spike duplicate (MS/MSD) percent recoveries and %RPD for batch 114208 were outside control limits. This is attributed to abundance of target analytes at concentrations significantly higher than the spike concentration.

No other analytical or quality issues were noted.

GC VOA
Method(s) NWTPH/VPH: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 113330 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

GC Semi VOA
Method(s) NWTPH-Dx: The following sample(s) contained a hydrocarbon pattern which does not match a typical Total Petroleum Hydrocarbon (TPH) pattern used by the laboratory for quantitative purposes: (490-37356-1 DU), SO-060493-100813-AS-SB-6-4 (490-37356-1).

Method(s) NWTPH-Dx: The following sample(s) contained a hydrocarbon pattern that most closely resembles a Gasoline product used by the laboratory for quantitative purposes: SO-060493-100813-AS-SB-7-8 (490-37356-4).

Method(s) NWTPH-Dx: The following sample(s) contained a hydrocarbon pattern that most closely resembles a Gasoline product used by the laboratory for quantitative purposes: SO-060493-100813-AS-SB-7-11.5 (490-37356-5).

Method(s) NWTPH/EPH: The laboratory control sample (LCS) for batch 114054 recovered outside control limits for the following analyte: C21-34 Aromatics.

Method(s) NWTPH/EPH: The laboratory control sample (LCS) for batch 115624 recovered outside control limits for the following analytes: C12-C16 Aliphatics. The associated samples have been scheduled for re-extraction.

Method(s) NWTPH/EPH: The laboratory control sample (LCS) for batch 115624 recovered outside control limits for the following analytes: C16-C21 and C21-C34 Aromatics. The associated samples have been scheduled for re-extraction.

Method(s) NWTPH/EPH: Surrogate recovery of 1-Chlorooctadecane was outside control limits for the following sample: (LCS 490-115624/2-B), (MB 490-115624/1-B).

No other analytical or quality issues were noted.

Metals
No analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

VOA Prep
No analytical or quality issues were noted.

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.
F	MS/MSD Recovery and/or RPD exceeds the control limits

GC VOA

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
F	MS/MSD Recovery and/or RPD exceeds the control limits

Glossary

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

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 210 NE 45th St Seattle WA

TestAmerica Job ID: 490-37356-1
SDG: SAP 120877 / 060493

Client Sample ID: SO-060493-100813-AS-SB-6-4
Date Collected: 10/08/13 09:55
Date Received: 10/09/13 08:15

Lab Sample ID: 490-37356-1
Matrix: Solid
Percent Solids: 91.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.000887		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
1,1,1-Trichloroethane	ND		0.000887		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
1,1,2,2-Tetrachloroethane	ND		0.000887		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
1,1,2-Trichloroethane	ND		0.00222		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
1,1-Dichloroethane	ND		0.000887		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
1,1-Dichloroethene	ND		0.000887		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
1,1-Dichloropropene	ND		0.000887		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
1,2,3-Trichlorobenzene	ND		0.000887		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
1,2,3-Trichloropropane	**0.0284**		0.000887		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
1,2,4-Trichlorobenzene	ND		0.000887		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
1,2,4-Trimethylbenzene	**0.0622**		0.000887		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
1,2-Dibromo-3-Chloropropane	ND		0.00222		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
1,2-Dibromoethane (EDB)	ND		0.000887		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
1,2-Dichlorobenzene	ND		0.000887		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
1,2-Dichloroethane	ND		0.000887		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
1,2-Dichloropropane	ND		0.000887		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
1,3,5-Trimethylbenzene	**0.00314**		0.000887		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
1,3-Dichlorobenzene	ND		0.000887		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
1,3-Dichloropropane	ND		0.000887		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
1,4-Dichlorobenzene	ND		0.000887		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
2,2-Dichloropropane	ND		0.000887		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
2-Butanone (MEK)	ND		0.0222		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
2-Chlorotoluene	ND		0.000887		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
2-Hexanone	ND		0.0222		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
4-Chlorotoluene	ND		0.000887		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
4-Methyl-2-pentanone (MIBK)	ND		0.0222		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
Acetone	**0.0535**		0.0222		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
Benzene	**0.00241**		0.000887		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
Bromobenzene	ND		0.000887		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
Bromochloromethane	ND		0.000887		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
Bromodichloromethane	ND		0.000887		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
Bromoform	ND		0.000887		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
Bromomethane	ND		0.000887		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
Carbon disulfide	ND		0.00222		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
Carbon tetrachloride	ND		0.000887		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
Chlorobenzene	**0.00293**		0.000887		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
Chlorodibromomethane	ND		0.000887		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
Chloroethane	ND		0.00222		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
Chloroform	ND		0.000887		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
Chloromethane	ND		0.000887		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
cis-1,2-Dichloroethene	ND		0.000887		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
cis-1,3-Dichloropropene	ND		0.000887		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
Dibromomethane	ND		0.000887		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
Dichlorodifluoromethane	ND		0.000887		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
Ethylbenzene	**0.00303**		0.000887		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
Hexachlorobutadiene	ND		0.00222		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
Isopropylbenzene	**0.0148**		0.000887		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
Methyl tert-butyl ether	ND		0.000887		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
Methylene Chloride	ND		0.00443		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 210 NE 45th St Seattle WA

TestAmerica Job ID: 490-37356-1
SDG: SAP 120877 / 060493

Client Sample ID: SO-060493-100813-AS-SB-6-4
Date Collected: 10/08/13 09:55
Date Received: 10/09/13 08:15

Lab Sample ID: 490-37356-1
Matrix: Solid
Percent Solids: 91.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	0.0830		0.00222		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
n-Butylbenzene	0.0950		0.000887		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
N-Propylbenzene	0.0380		0.000887		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
p-Isopropyltoluene	0.0266		0.000887		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
sec-Butylbenzene	0.0618		0.000887		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
Styrene	ND		0.000887		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
tert-Butylbenzene	0.00139		0.000887		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
Tetrachloroethene	ND		0.000887		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
Toluene	0.000905		0.000887		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
trans-1,2-Dichloroethene	ND		0.000887		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
trans-1,3-Dichloropropene	ND		0.000887		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
Trichloroethene	ND		0.000887		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
Trichlorofluoromethane	ND		0.000887		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
Vinyl chloride	ND		0.000887		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1
Xylenes, Total	0.00528		0.00133		mg/Kg	☼	10/10/13 09:49	10/17/13 15:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*	*10/10/13 09:49*	*10/17/13 15:29*	*1*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*10/10/13 09:49*	*10/17/13 15:29*	*1*
Dibromofluoromethane (Surr)	*106*		*70 - 130*	*10/10/13 09:49*	*10/17/13 15:29*	*1*
Toluene-d8 (Surr)	*93*		*70 - 130*	*10/10/13 09:49*	*10/17/13 15:29*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.0184		0.00327		mg/Kg	☼	10/14/13 13:50	10/15/13 17:25	1
Acenaphthylene	0.00771		0.00327		mg/Kg	☼	10/14/13 13:50	10/15/13 17:25	1
Anthracene	0.0448		0.00327		mg/Kg	☼	10/14/13 13:50	10/15/13 17:25	1
Benzo[a]anthracene	0.143		0.00327		mg/Kg	☼	10/14/13 13:50	10/15/13 17:25	1
Benzo[a]pyrene	0.134		0.00327		mg/Kg	☼	10/14/13 13:50	10/15/13 17:25	1
Benzo[b]fluoranthene	0.182		0.00327		mg/Kg	☼	10/14/13 13:50	10/15/13 17:25	1
Benzo[g,h,i]perylene	0.0956		0.00327		mg/Kg	☼	10/14/13 13:50	10/15/13 17:25	1
Benzo[k]fluoranthene	0.0862		0.00327		mg/Kg	☼	10/14/13 13:50	10/15/13 17:25	1
Chrysene	0.190		0.00327		mg/Kg	☼	10/14/13 13:50	10/15/13 17:25	1
Dibenz(a,h)anthracene	0.0276		0.00327		mg/Kg	☼	10/14/13 13:50	10/15/13 17:25	1
Fluorene	0.0341		0.00327		mg/Kg	☼	10/14/13 13:50	10/15/13 17:25	1
Fluoranthene	0.549		0.0327		mg/Kg	☼	10/14/13 13:50	10/16/13 14:52	10
Indeno[1,2,3-cd]pyrene	0.0880		0.00327		mg/Kg	☼	10/14/13 13:50	10/15/13 17:25	1
Naphthalene	0.197		0.00327		mg/Kg	☼	10/14/13 13:50	10/15/13 17:25	1
Phenanthrene	0.178		0.00327		mg/Kg	☼	10/14/13 13:50	10/15/13 17:25	1
Pyrene	0.282		0.00327		mg/Kg	☼	10/14/13 13:50	10/15/13 17:25	1
1-Methylnaphthalene	0.513		0.0327		mg/Kg	☼	10/14/13 13:50	10/16/13 14:52	10
2-Methylnaphthalene	0.950		0.0327		mg/Kg	☼	10/14/13 13:50	10/16/13 14:52	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*51*		*13 - 120*	*10/14/13 13:50*	*10/15/13 17:25*	*1*
Nitrobenzene-d5	*59*		*27 - 120*	*10/14/13 13:50*	*10/15/13 17:25*	*1*
2-Fluorobiphenyl (Surr)	*53*		*29 - 120*	*10/14/13 13:50*	*10/15/13 17:25*	*1*

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 210 NE 45th St Seattle WA

TestAmerica Job ID: 490-37356-1
SDG: SAP 120877 / 060493

Client Sample ID: SO-060493-100813-AS-SB-6-4
Date Collected: 10/08/13 09:55
Date Received: 10/09/13 08:15

Lab Sample ID: 490-37356-1
Matrix: Solid
Percent Solids: 91.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	145		2.47		mg/Kg	☼	10/10/13 09:43	10/12/13 22:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*74*		*50 - 150*	*10/10/13 09:43*	*10/12/13 22:26*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.0357		mg/Kg	☼	10/14/13 15:34	10/16/13 23:13	1
PCB-1221	ND		0.0357		mg/Kg	☼	10/14/13 15:34	10/16/13 23:13	1
PCB-1232	ND		0.0357		mg/Kg	☼	10/14/13 15:34	10/16/13 23:13	1
PCB-1242	ND		0.0357		mg/Kg	☼	10/14/13 15:34	10/16/13 23:13	1
PCB-1248	ND		0.0357		mg/Kg	☼	10/14/13 15:34	10/16/13 23:13	1
PCB-1254	ND		0.0357		mg/Kg	☼	10/14/13 15:34	10/16/13 23:13	1
PCB-1260	ND		0.0357		mg/Kg	☼	10/14/13 15:34	10/16/13 23:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*69*		*19 - 147*	*10/14/13 15:34*	*10/16/13 23:13*	*1*
DCB Decachlorobiphenyl (Surr)	*72*		*20 - 150*	*10/14/13 15:34*	*10/16/13 23:13*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	82.2		5.48		mg/Kg	☼	10/14/13 07:54	10/16/13 00:44	1
C24-C40	66.2		5.48		mg/Kg	☼	10/14/13 07:54	10/16/13 00:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*74*		*50 - 150*	*10/14/13 07:54*	*10/16/13 00:44*	*1*

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	11.0		0.549		mg/Kg	☼	10/18/13 12:16	10/18/13 17:21	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	91		0.10		%			10/10/13 09:57	1

Client Sample ID: SO-060493-100813-AS-SB-7-2

Date Collected: 10/08/13 12:05
Date Received: 10/09/13 08:15

Lab Sample ID: 490-37356-2

Matrix: Solid
Percent Solids: 85.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00125		mg/Kg	☼	10/10/13 09:49	10/17/13 13:59	1
Ethylbenzene	ND		0.00125		mg/Kg	☼	10/10/13 09:49	10/17/13 13:59	1
Xylenes, Total	ND		0.00188		mg/Kg	☼	10/10/13 09:49	10/17/13 13:59	1
Toluene	ND		0.00125		mg/Kg	☼	10/10/13 09:49	10/17/13 13:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*10/10/13 09:49*	*10/17/13 13:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*	*10/10/13 09:49*	*10/17/13 13:59*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*	*10/10/13 09:49*	*10/17/13 13:59*	*1*
Dibromofluoromethane (Surr)	*103*		*70 - 130*	*10/10/13 09:49*	*10/17/13 13:59*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	ND		4.62		mg/Kg	☼	10/10/13 09:43	10/12/13 22:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*76*		*50 - 150*	*10/10/13 09:43*	*10/12/13 22:59*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	ND		5.74		mg/Kg	☼	10/14/13 07:54	10/16/13 01:14	1
C24-C40	ND		5.74		mg/Kg	☼	10/14/13 07:54	10/16/13 01:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*61*		*50 - 150*	*10/14/13 07:54*	*10/16/13 01:14*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**85**		0.10		%			10/10/13 09:57	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 210 NE 45th St Seattle WA

TestAmerica Job ID: 490-37356-1
SDG: SAP 120877 / 060493

Client Sample ID: SO-060493-100813-AS-SB-7-4
Date Collected: 10/08/13 12:15
Date Received: 10/09/13 08:15

Lab Sample ID: 490-37356-3
Matrix: Solid
Percent Solids: 86.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00103		mg/Kg	☼	10/10/13 09:49	10/17/13 13:29	1
Ethylbenzene	ND		0.00103		mg/Kg	☼	10/10/13 09:49	10/17/13 13:29	1
Xylenes, Total	ND		0.00154		mg/Kg	☼	10/10/13 09:49	10/17/13 13:29	1
Toluene	ND		0.00103		mg/Kg	☼	10/10/13 09:49	10/17/13 13:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*10/10/13 09:49*	*10/17/13 13:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*	*10/10/13 09:49*	*10/17/13 13:29*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*	*10/10/13 09:49*	*10/17/13 13:29*	*1*
Dibromofluoromethane (Surr)	*104*		*70 - 130*	*10/10/13 09:49*	*10/17/13 13:29*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	ND		3.44		mg/Kg	☼	10/10/13 09:43	10/12/13 23:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*78*		*50 - 150*	*10/10/13 09:43*	*10/12/13 23:33*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	ND		5.76		mg/Kg	☼	10/14/13 07:54	10/16/13 01:30	1
C24-C40	ND		5.76		mg/Kg	☼	10/14/13 07:54	10/16/13 01:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*74*		*50 - 150*	*10/14/13 07:54*	*10/16/13 01:30*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	87		0.10		%			10/10/13 09:57	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 210 NE 45th St Seattle WA

TestAmerica Job ID: 490-37356-1
SDG: SAP 120877 / 060493

Client Sample ID: SO-060493-100813-AS-SB-7-8
Date Collected: 10/08/13 12:30
Date Received: 10/09/13 08:15

Lab Sample ID: 490-37356-4
Matrix: Solid
Percent Solids: 91.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.89		0.980		mg/Kg	☼	10/10/13 09:43	10/17/13 17:59	20
Ethylbenzene	21.3		0.980		mg/Kg	☼	10/10/13 09:43	10/17/13 17:59	20
Xylenes, Total	125		1.47		mg/Kg	☼	10/10/13 09:43	10/17/13 17:59	20
Toluene	41.1		0.980		mg/Kg	☼	10/10/13 09:43	10/17/13 17:59	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*10/10/13 09:43*	*10/17/13 17:59*	*20*
1,2-Dichloroethane-d4 (Surr)	*83*		*70 - 130*	*10/10/13 09:43*	*10/17/13 17:59*	*20*
Toluene-d8 (Surr)	*91*		*70 - 130*	*10/10/13 09:43*	*10/17/13 17:59*	*20*
Dibromofluoromethane (Surr)	*100*		*70 - 130*	*10/10/13 09:43*	*10/17/13 17:59*	*20*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	5130		254		mg/Kg	☼	10/10/13 09:43	10/12/13 13:37	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*97*		*50 - 150*	*10/10/13 09:43*	*10/12/13 13:37*	*100*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	167		5.27		mg/Kg	☼	10/14/13 07:54	10/16/13 01:45	1
C24-C40	ND		5.27		mg/Kg	☼	10/14/13 07:54	10/16/13 01:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*61*		*50 - 150*	*10/14/13 07:54*	*10/16/13 01:45*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	91		0.10		%			10/10/13 10:02	1

Client Sample ID: SO-060493-100813-AS-SB-7-11.5
Date Collected: 10/08/13 12:45
Date Received: 10/09/13 08:15

Lab Sample ID: 490-37356-5
Matrix: Solid
Percent Solids: 88.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	29.3		1.01		mg/Kg	☼	10/10/13 09:43	10/17/13 18:59	20
Ethylbenzene	68.9		1.01		mg/Kg	☼	10/10/13 09:43	10/17/13 18:59	20
Xylenes, Total	177		7.57		mg/Kg	☼	10/10/13 09:43	10/18/13 14:44	100
Toluene	200		1.01		mg/Kg	☼	10/10/13 09:43	10/17/13 18:59	20
Naphthalene	42.0		2.52		mg/Kg	☼	10/10/13 09:43	10/17/13 18:59	20
Hexane	54.2		5.05		mg/Kg	☼	10/10/13 09:43	10/17/13 18:59	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*10/10/13 09:43*	*10/17/13 18:59*	*20*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*10/10/13 09:43*	*10/18/13 14:44*	*100*
1,2-Dichloroethane-d4 (Surr)	*79*		*70 - 130*	*10/10/13 09:43*	*10/17/13 18:59*	*20*
1,2-Dichloroethane-d4 (Surr)	*87*		*70 - 130*	*10/10/13 09:43*	*10/18/13 14:44*	*100*
Toluene-d8 (Surr)	*90*		*70 - 130*	*10/10/13 09:43*	*10/17/13 18:59*	*20*
Toluene-d8 (Surr)	*97*		*70 - 130*	*10/10/13 09:43*	*10/18/13 14:44*	*100*
Dibromofluoromethane (Surr)	*102*		*70 - 130*	*10/10/13 09:43*	*10/17/13 18:59*	*20*
Dibromofluoromethane (Surr)	*103*		*70 - 130*	*10/10/13 09:43*	*10/18/13 14:44*	*100*

Method: NWTPH/VPH - Northwest - Volatile Petroleum Hydrocarbons (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C5-C6 Aliphatics	189		50.1		mg/Kg	☼	10/10/13 09:43	10/10/13 20:10	20
C6-C8 aliphatic (adjusted)	328		113		mg/Kg	☼		10/14/13 21:47	20
C6-C8 Aliphatics	367		50.1		mg/Kg	☼	10/10/13 09:43	10/10/13 20:10	20
C8-C10 aliphatic (adjusted)	ND		113		mg/Kg	☼		10/14/13 21:47	20
C10-C12 aliphatic (adjusted)	344		113		mg/Kg	☼		10/14/13 21:47	20
C8-C10 Aliphatics	728		50.1		mg/Kg	☼	10/10/13 09:43	10/10/13 20:10	20
C10-C12 Aliphatics	610		251		mg/Kg	☼	10/10/13 09:43	10/10/13 16:38	100
C5-C6 aliphatics (adjusted)	189		113		mg/Kg	☼		10/14/13 21:47	20
C8-C10 Aromatics	782		50.1		mg/Kg	☼	10/10/13 09:43	10/10/13 20:10	20
C10-C12 Aromatics	266		251		mg/Kg	☼	10/10/13 09:43	10/10/13 16:38	100
C12-C13 Aromatics	56.8		50.1		mg/Kg	☼	10/10/13 09:43	10/10/13 20:10	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,5-Dibromotoluene (fid)	*106*		*60 - 140*	*10/10/13 09:43*	*10/10/13 16:38*	*100*
2,5-Dibromotoluene (fid)	*106*		*60 - 140*	*10/10/13 09:43*	*10/10/13 20:10*	*20*
2,5-Dibromotoluene (pid)	*106*		*60 - 140*	*10/10/13 09:43*	*10/10/13 16:38*	*100*
2,5-Dibromotoluene (pid)	*103*		*60 - 140*	*10/10/13 09:43*	*10/10/13 20:10*	*20*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	3130		5.01		mg/Kg	☼	10/10/13 09:43	10/12/13 13:03	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*141*		*50 - 150*	*10/10/13 09:43*	*10/12/13 13:03*	*2*

Method: NWTPH/EPH - Northwest - Extractable Petroleum Hydrocarbons (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C8-C10 Aliphatics	54.9		5.28		mg/Kg	☼	10/14/13 08:09	10/18/13 17:24	1
C10-C12 Aliphatics	41.6		5.28		mg/Kg	☼	10/14/13 08:09	10/18/13 17:24	1
C12-C16 Aliphatics	12.6		5.28		mg/Kg	☼	10/14/13 08:09	10/18/13 17:24	1
C16-C21 Aliphatics	ND		5.28		mg/Kg	☼	10/14/13 08:09	10/18/13 17:24	1
C21-C34 Aliphatics	ND		5.28		mg/Kg	☼	10/14/13 08:09	10/18/13 17:24	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 210 NE 45th St Seattle WA

TestAmerica Job ID: 490-37356-1
SDG: SAP 120877 / 060493

Client Sample ID: SO-060493-100813-AS-SB-7-11.5
Date Collected: 10/08/13 12:45
Date Received: 10/09/13 08:15

Lab Sample ID: 490-37356-5
Matrix: Solid
Percent Solids: 88.5

Method: NWTPH/EPH - Northwest - Extractable Petroleum Hydrocarbons (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C8-C10 Aromatics	**101**		26.4		mg/Kg	☼	10/14/13 08:09	10/22/13 17:57	5
C10-C12 Aromatics	**40.7**		26.4		mg/Kg	☼	10/14/13 08:09	10/22/13 17:57	5
C12-C16 Aromatics	**22.0**		5.28		mg/Kg	☼	10/14/13 08:09	10/22/13 17:27	1
C16-C21 Aromatics	ND		5.28		mg/Kg	☼	10/14/13 08:09	10/22/13 17:27	1
C21-C34 Aromatics	ND		5.28		mg/Kg	☼	10/14/13 08:09	10/22/13 17:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*99*		*60 - 140*	*10/14/13 08:09*	*10/22/13 17:27*	*1*
2-Bromonaphthalene	*87*		*60 - 140*	*10/14/13 08:09*	*10/22/13 17:27*	*1*
o-Terphenyl	*78*		*60 - 140*	*10/14/13 08:09*	*10/22/13 17:27*	*1*
1-Chlorooctadecane	*80*		*60 - 140*	*10/14/13 08:09*	*10/18/13 17:24*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	**146**		10.9		mg/Kg	☼	10/14/13 07:54	10/16/13 11:04	2
C24-C40	ND		5.46		mg/Kg	☼	10/14/13 07:54	10/16/13 02:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*85*		*50 - 150*	*10/14/13 07:54*	*10/16/13 02:31*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12**		0.10		%			10/10/13 10:02	1
Percent Solids	**88**		0.10		%			10/10/13 10:02	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 210 NE 45th St Seattle WA

TestAmerica Job ID: 490-37356-1
SDG: SAP 120877 / 060493

Client Sample ID: Trip Blank
Date Collected: 10/08/13 00:01
Date Received: 10/09/13 08:15

Lab Sample ID: 490-37356-6
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.00200		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
1,1,1-Trichloroethane	ND		0.00200		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
1,1,2,2-Tetrachloroethane	ND		0.00200		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
1,1,2-Trichloroethane	ND		0.00500		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
1,1-Dichloroethane	ND		0.00200		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
1,1-Dichloroethene	ND		0.00200		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
1,1-Dichloropropene	ND		0.00200		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
1,2,3-Trichlorobenzene	ND		0.00200		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
1,2,3-Trichloropropane	ND		0.00200		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
1,2,4-Trichlorobenzene	ND		0.00200		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
1,2,4-Trimethylbenzene	ND		0.00200		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
1,2-Dibromo-3-Chloropropane	ND		0.00500		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
1,2-Dibromoethane (EDB)	ND		0.00200		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
1,2-Dichlorobenzene	ND		0.00200		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
1,2-Dichloroethane	ND		0.00200		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
1,2-Dichloropropane	ND		0.00200		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
1,3,5-Trimethylbenzene	ND		0.00200		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
1,3-Dichlorobenzene	ND		0.00200		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
1,3-Dichloropropane	ND		0.00200		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
1,4-Dichlorobenzene	ND		0.00200		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
2,2-Dichloropropane	ND		0.00200		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
2-Butanone (MEK)	ND		0.0500		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
2-Chlorotoluene	ND		0.00200		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
2-Hexanone	ND		0.0500		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
4-Chlorotoluene	ND		0.00200		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
4-Methyl-2-pentanone (MIBK)	ND		0.0500		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
Acetone	ND		0.0500		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
Benzene	ND		0.00200		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
Bromobenzene	ND		0.00200		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
Bromochloromethane	ND		0.00200		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
Bromodichloromethane	ND		0.00200		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
Bromoform	ND		0.00200		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
Bromomethane	ND		0.00200		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
Carbon disulfide	ND		0.00500		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
Carbon tetrachloride	ND		0.00200		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
Chlorobenzene	ND		0.00200		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
Chlorodibromomethane	ND		0.00200		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
Chloroethane	ND		0.00500		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
Chloroform	ND		0.00200		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
Chloromethane	ND		0.00200		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
cis-1,2-Dichloroethene	ND		0.00200		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
cis-1,3-Dichloropropene	ND		0.00200		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
Dibromomethane	ND		0.00200		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
Dichlorodifluoromethane	ND		0.00200		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
Ethylbenzene	ND		0.00200		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
Hexachlorobutadiene	ND		0.00500		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
Isopropylbenzene	ND		0.00200		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
Methyl tert-butyl ether	ND		0.00200		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
Methylene Chloride	ND		0.0100		mg/Kg		10/12/13 07:24	10/15/13 13:21	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 210 NE 45th St Seattle WA

TestAmerica Job ID: 490-37356-1
SDG: SAP 120877 / 060493

Client Sample ID: Trip Blank
Date Collected: 10/08/13 00:01
Date Received: 10/09/13 08:15

Lab Sample ID: 490-37356-6
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.00500		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
n-Butylbenzene	ND		0.00200		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
N-Propylbenzene	ND		0.00200		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
p-Isopropyltoluene	ND		0.00200		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
sec-Butylbenzene	ND		0.00200		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
Styrene	ND		0.00200		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
tert-Butylbenzene	ND		0.00200		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
Tetrachloroethene	ND		0.00200		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
Toluene	ND		0.00200		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
trans-1,2-Dichloroethene	ND		0.00200		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
trans-1,3-Dichloropropene	ND		0.00200		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
Trichloroethene	ND		0.00200		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
Trichlorofluoromethane	ND		0.00200		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
Vinyl chloride	ND		0.00200		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
Xylenes, Total	ND		0.00300		mg/Kg		10/12/13 07:24	10/15/13 13:21	1
Hexane	ND		0.0100		mg/Kg		10/12/13 07:24	10/15/13 13:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*	*10/12/13 07:24*	*10/15/13 13:21*	*1*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*10/12/13 07:24*	*10/15/13 13:21*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*	*10/12/13 07:24*	*10/15/13 13:21*	*1*
Toluene-d8 (Surr)	*109*		*70 - 130*	*10/12/13 07:24*	*10/15/13 13:21*	*1*

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 210 NE 45th St Seattle WA

TestAmerica Job ID: 490-37356-1
SDG: SAP 120877 / 060493

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

Lab Sample ID: MB 490-114356/7
Matrix: Solid
Analysis Batch: 114356

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.00200		mg/Kg			10/15/13 12:52	1
1,1,1-Trichloroethane	ND		0.00200		mg/Kg			10/15/13 12:52	1
1,1,2,2-Tetrachloroethane	ND		0.00200		mg/Kg			10/15/13 12:52	1
1,1,2-Trichloroethane	ND		0.00500		mg/Kg			10/15/13 12:52	1
1,1-Dichloroethane	ND		0.00200		mg/Kg			10/15/13 12:52	1
1,1-Dichloroethene	ND		0.00200		mg/Kg			10/15/13 12:52	1
1,1-Dichloropropene	ND		0.00200		mg/Kg			10/15/13 12:52	1
1,2,3-Trichlorobenzene	ND		0.00200		mg/Kg			10/15/13 12:52	1
1,2,3-Trichloropropane	ND		0.00200		mg/Kg			10/15/13 12:52	1
1,2,4-Trichlorobenzene	ND		0.00200		mg/Kg			10/15/13 12:52	1
1,2,4-Trimethylbenzene	ND		0.00200		mg/Kg			10/15/13 12:52	1
1,2-Dibromo-3-Chloropropane	ND		0.00500		mg/Kg			10/15/13 12:52	1
1,2-Dibromoethane (EDB)	ND		0.00200		mg/Kg			10/15/13 12:52	1
1,2-Dichlorobenzene	ND		0.00200		mg/Kg			10/15/13 12:52	1
1,2-Dichloroethane	ND		0.00200		mg/Kg			10/15/13 12:52	1
1,2-Dichloropropane	ND		0.00200		mg/Kg			10/15/13 12:52	1
1,3,5-Trimethylbenzene	ND		0.00200		mg/Kg			10/15/13 12:52	1
1,3-Dichlorobenzene	ND		0.00200		mg/Kg			10/15/13 12:52	1
1,3-Dichloropropane	ND		0.00200		mg/Kg			10/15/13 12:52	1
1,4-Dichlorobenzene	ND		0.00200		mg/Kg			10/15/13 12:52	1
2,2-Dichloropropane	ND		0.00200		mg/Kg			10/15/13 12:52	1
2-Butanone (MEK)	ND		0.0500		mg/Kg			10/15/13 12:52	1
2-Chlorotoluene	ND		0.00200		mg/Kg			10/15/13 12:52	1
2-Hexanone	ND		0.0500		mg/Kg			10/15/13 12:52	1
4-Chlorotoluene	ND		0.00200		mg/Kg			10/15/13 12:52	1
4-Methyl-2-pentanone (MIBK)	ND		0.0500		mg/Kg			10/15/13 12:52	1
Acetone	ND		0.0500		mg/Kg			10/15/13 12:52	1
Benzene	ND		0.00200		mg/Kg			10/15/13 12:52	1
Bromobenzene	ND		0.00200		mg/Kg			10/15/13 12:52	1
Bromochloromethane	ND		0.00200		mg/Kg			10/15/13 12:52	1
Bromodichloromethane	ND		0.00200		mg/Kg			10/15/13 12:52	1
Bromoform	ND		0.00200		mg/Kg			10/15/13 12:52	1
Bromomethane	ND		0.00200		mg/Kg			10/15/13 12:52	1
Carbon disulfide	ND		0.00500		mg/Kg			10/15/13 12:52	1
Carbon tetrachloride	ND		0.00200		mg/Kg			10/15/13 12:52	1
Chlorobenzene	ND		0.00200		mg/Kg			10/15/13 12:52	1
Chlorodibromomethane	ND		0.00200		mg/Kg			10/15/13 12:52	1
Chloroethane	ND		0.00500		mg/Kg			10/15/13 12:52	1
Chloroform	ND		0.00200		mg/Kg			10/15/13 12:52	1
Chloromethane	ND		0.00200		mg/Kg			10/15/13 12:52	1
cis-1,2-Dichloroethene	ND		0.00200		mg/Kg			10/15/13 12:52	1
cis-1,3-Dichloropropene	ND		0.00200		mg/Kg			10/15/13 12:52	1
Dibromomethane	ND		0.00200		mg/Kg			10/15/13 12:52	1
Dichlorodifluoromethane	ND		0.00200		mg/Kg			10/15/13 12:52	1
Ethylbenzene	ND		0.00200		mg/Kg			10/15/13 12:52	1
Hexachlorobutadiene	ND		0.00500		mg/Kg			10/15/13 12:52	1
Isopropylbenzene	ND		0.00200		mg/Kg			10/15/13 12:52	1
Methyl tert-butyl ether	ND		0.00200		mg/Kg			10/15/13 12:52	1

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

Lab Sample ID: MB 490-114356/7
Matrix: Solid
Analysis Batch: 114356

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.0100		mg/Kg			10/15/13 12:52	1
Naphthalene	ND		0.00500		mg/Kg			10/15/13 12:52	1
n-Butylbenzene	ND		0.00200		mg/Kg			10/15/13 12:52	1
N-Propylbenzene	ND		0.00200		mg/Kg			10/15/13 12:52	1
p-Isopropyltoluene	ND		0.00200		mg/Kg			10/15/13 12:52	1
sec-Butylbenzene	ND		0.00200		mg/Kg			10/15/13 12:52	1
Styrene	ND		0.00200		mg/Kg			10/15/13 12:52	1
tert-Butylbenzene	ND		0.00200		mg/Kg			10/15/13 12:52	1
Tetrachloroethene	ND		0.00200		mg/Kg			10/15/13 12:52	1
Toluene	ND		0.00200		mg/Kg			10/15/13 12:52	1
trans-1,2-Dichloroethene	ND		0.00200		mg/Kg			10/15/13 12:52	1
trans-1,3-Dichloropropene	ND		0.00200		mg/Kg			10/15/13 12:52	1
Trichloroethene	ND		0.00200		mg/Kg			10/15/13 12:52	1
Trichlorofluoromethane	ND		0.00200		mg/Kg			10/15/13 12:52	1
Vinyl chloride	ND		0.00200		mg/Kg			10/15/13 12:52	1
Xylenes, Total	ND		0.00300		mg/Kg			10/15/13 12:52	1
Hexane	ND		0.0100		mg/Kg			10/15/13 12:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*		*10/15/13 12:52*	*1*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*		*10/15/13 12:52*	*1*
Dibromofluoromethane (Surr)	*97*		*70 - 130*		*10/15/13 12:52*	*1*
Toluene-d8 (Surr)	*108*		*70 - 130*		*10/15/13 12:52*	*1*

Lab Sample ID: LCS 490-114356/3
Matrix: Solid
Analysis Batch: 114356

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	0.0500	0.04743		mg/Kg		95	80 - 136
1,1,1-Trichloroethane	0.0500	0.04458		mg/Kg		89	72 - 140
1,1,2,2-Tetrachloroethane	0.0500	0.04820		mg/Kg		96	66 - 134
1,1,2-Trichloroethane	0.0500	0.04687		mg/Kg		94	78 - 128
1,1-Dichloroethane	0.0500	0.04838		mg/Kg		97	75 - 124
1,1-Dichloroethene	0.0500	0.04364		mg/Kg		87	75 - 131
1,1-Dichloropropene	0.0500	0.04564		mg/Kg		91	79 - 127
1,2,3-Trichlorobenzene	0.0500	0.04728		mg/Kg		95	70 - 150
1,2,3-Trichloropropane	0.0500	0.05047		mg/Kg		101	65 - 139
1,2,4-Trichlorobenzene	0.0500	0.05119		mg/Kg		102	62 - 150
1,2,4-Trimethylbenzene	0.0500	0.05409		mg/Kg		108	77 - 139
1,2-Dibromo-3-Chloropropane	0.0500	0.04418		mg/Kg		88	49 - 142
1,2-Dibromoethane (EDB)	0.0500	0.04667		mg/Kg		93	80 - 135
1,2-Dichlorobenzene	0.0500	0.04802		mg/Kg		96	80 - 134
1,2-Dichloroethane	0.0500	0.04296		mg/Kg		86	65 - 134
1,2-Dichloropropane	0.0500	0.04787		mg/Kg		96	69 - 120
1,3,5-Trimethylbenzene	0.0500	0.05471		mg/Kg		109	78 - 138
1,3-Dichlorobenzene	0.0500	0.05080		mg/Kg		102	79 - 137
1,3-Dichloropropane	0.0500	0.04879		mg/Kg		98	78 - 126

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

Lab Sample ID: LCS 490-114356/3
Matrix: Solid
Analysis Batch: 114356

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	0.0500	0.04863		mg/Kg		97	77 - 139
2,2-Dichloropropane	0.0500	0.04556		mg/Kg		91	68 - 145
2-Butanone (MEK)	0.250	0.2120		mg/Kg		85	61 - 132
2-Chlorotoluene	0.0500	0.05230		mg/Kg		105	78 - 132
2-Hexanone	0.250	0.2257		mg/Kg		90	57 - 148
4-Chlorotoluene	0.0500	0.05621		mg/Kg		112	77 - 138
4-Methyl-2-pentanone (MIBK)	0.250	0.2557		mg/Kg		102	59 - 138
Acetone	0.250	0.2086		mg/Kg		83	51 - 149
Benzene	0.0500	0.04616		mg/Kg		92	75 - 127
Bromobenzene	0.0500	0.05103		mg/Kg		102	75 - 130
Bromochloromethane	0.0500	0.04200		mg/Kg		84	70 - 132
Bromodichloromethane	0.0500	0.04666		mg/Kg		93	68 - 135
Bromoform	0.0500	0.04766		mg/Kg		95	36 - 150
Bromomethane	0.0500	0.04750		mg/Kg		95	43 - 142
Carbon disulfide	0.0500	0.04681		mg/Kg		94	74 - 135
Carbon tetrachloride	0.0500	0.04460		mg/Kg		89	70 - 141
Chlorobenzene	0.0500	0.04754		mg/Kg		95	84 - 125
Chlorodibromomethane	0.0500	0.04977		mg/Kg		100	66 - 134
Chloroethane	0.0500	0.05019		mg/Kg		100	53 - 144
Chloroform	0.0500	0.04433		mg/Kg		89	76 - 130
Chloromethane	0.0500	0.06005		mg/Kg		120	23 - 150
cis-1,2-Dichloroethene	0.0500	0.04864		mg/Kg		97	75 - 125
cis-1,3-Dichloropropene	0.0500	0.05231		mg/Kg		105	73 - 148
Dibromomethane	0.0500	0.04318		mg/Kg		86	71 - 130
Dichlorodifluoromethane	0.0500	0.05125		mg/Kg		102	12 - 144
Ethylbenzene	0.0500	0.05159		mg/Kg		103	80 - 134
Hexachlorobutadiene	0.0500	0.04445		mg/Kg		89	65 - 148
Isopropylbenzene	0.0500	0.05306		mg/Kg		106	80 - 150
Methyl tert-butyl ether	0.0500	0.04470		mg/Kg		89	70 - 136
Methylene Chloride	0.0500	0.04345		mg/Kg		87	68 - 144
Naphthalene	0.0500	0.04845		mg/Kg		97	69 - 150
n-Butylbenzene	0.0500	0.05777		mg/Kg		116	72 - 152
N-Propylbenzene	0.0500	0.05476		mg/Kg		110	75 - 137
p-Isopropyltoluene	0.0500	0.05534		mg/Kg		111	77 - 141
sec-Butylbenzene	0.0500	0.05480		mg/Kg		110	79 - 141
Styrene	0.0500	0.05394		mg/Kg		108	82 - 137
tert-Butylbenzene	0.0500	0.05142		mg/Kg		103	80 - 132
Tetrachloroethene	0.0500	0.04400		mg/Kg		88	78 - 140
Toluene	0.0500	0.04894		mg/Kg		98	80 - 132
trans-1,2-Dichloroethene	0.0500	0.04827		mg/Kg		97	76 - 128
trans-1,3-Dichloropropene	0.0500	0.05216		mg/Kg		104	62 - 139
Trichloroethene	0.0500	0.04255		mg/Kg		85	77 - 127
Trichlorofluoromethane	0.0500	0.04621		mg/Kg		92	50 - 140
Vinyl chloride	0.0500	0.05608		mg/Kg		112	47 - 136
Xylenes, Total	0.100	0.1040		mg/Kg		104	80 - 137
Hexane	0.0500	0.04820		mg/Kg		96	60 - 144

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

Lab Sample ID: LCS 490-114356/3
Matrix: Solid
Analysis Batch: 114356

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		70 - 130
4-Bromofluorobenzene (Surr)	100		70 - 130
Dibromofluoromethane (Surr)	96		70 - 130
Toluene-d8 (Surr)	108		70 - 130

Lab Sample ID: LCSD 490-114356/4
Matrix: Solid
Analysis Batch: 114356

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	0.0500	0.04767		mg/Kg		95	80 - 136	1	50
1,1,1-Trichloroethane	0.0500	0.04433		mg/Kg		89	72 - 140	1	50
1,1,2,2-Tetrachloroethane	0.0500	0.04964		mg/Kg		99	66 - 134	3	50
1,1,2-Trichloroethane	0.0500	0.04665		mg/Kg		93	78 - 128	0	50
1,1-Dichloroethane	0.0500	0.04644		mg/Kg		93	75 - 124	4	50
1,1-Dichloroethene	0.0500	0.04341		mg/Kg		87	75 - 131	1	50
1,1-Dichloropropene	0.0500	0.04498		mg/Kg		90	79 - 127	1	50
1,2,3-Trichlorobenzene	0.0500	0.04681		mg/Kg		94	70 - 150	1	50
1,2,3-Trichloropropane	0.0500	0.05062		mg/Kg		101	65 - 139	0	50
1,2,4-Trichlorobenzene	0.0500	0.04725		mg/Kg		94	62 - 150	8	50
1,2,4-Trimethylbenzene	0.0500	0.05361		mg/Kg		107	77 - 139	1	50
1,2-Dibromo-3-Chloropropane	0.0500	0.04323		mg/Kg		86	49 - 142	2	50
1,2-Dibromoethane (EDB)	0.0500	0.04556		mg/Kg		91	80 - 135	2	50
1,2-Dichlorobenzene	0.0500	0.04812		mg/Kg		96	80 - 134	0	50
1,2-Dichloroethane	0.0500	0.04209		mg/Kg		84	65 - 134	2	50
1,2-Dichloropropane	0.0500	0.04736		mg/Kg		95	69 - 120	1	50
1,3,5-Trimethylbenzene	0.0500	0.05438		mg/Kg		109	78 - 138	1	50
1,3-Dichlorobenzene	0.0500	0.04959		mg/Kg		99	79 - 137	2	50
1,3-Dichloropropane	0.0500	0.04859		mg/Kg		97	78 - 126	0	42
1,4-Dichlorobenzene	0.0500	0.04648		mg/Kg		93	77 - 139	5	50
2,2-Dichloropropane	0.0500	0.04515		mg/Kg		90	68 - 145	1	50
2-Butanone (MEK)	0.250	0.2010		mg/Kg		80	61 - 132	5	50
2-Chlorotoluene	0.0500	0.05179		mg/Kg		104	78 - 132	1	50
2-Hexanone	0.250	0.2110		mg/Kg		84	57 - 148	7	50
4-Chlorotoluene	0.0500	0.05146		mg/Kg		103	77 - 138	9	50
4-Methyl-2-pentanone (MIBK)	0.250	0.2472		mg/Kg		99	59 - 138	3	50
Acetone	0.250	0.2028		mg/Kg		81	51 - 149	3	50
Benzene	0.0500	0.04586		mg/Kg		92	75 - 127	1	50
Bromobenzene	0.0500	0.05137		mg/Kg		103	75 - 130	1	50
Bromochloromethane	0.0500	0.04235		mg/Kg		85	70 - 132	1	50
Bromodichloromethane	0.0500	0.04589		mg/Kg		92	68 - 135	2	50
Bromoform	0.0500	0.04680		mg/Kg		94	36 - 150	2	50
Bromomethane	0.0500	0.04722		mg/Kg		94	43 - 142	1	50
Carbon disulfide	0.0500	0.04628		mg/Kg		93	74 - 135	1	50
Carbon tetrachloride	0.0500	0.04415		mg/Kg		88	70 - 141	1	50
Chlorobenzene	0.0500	0.04630		mg/Kg		93	84 - 125	3	50
Chlorodibromomethane	0.0500	0.04917		mg/Kg		98	66 - 134	1	50
Chloroethane	0.0500	0.04964		mg/Kg		99	53 - 144	1	50

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

Lab Sample ID: LCSD 490-114356/4
Matrix: Solid
Analysis Batch: 114356

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloroform			0.0500	0.04480		mg/Kg		90	76 - 130	1	49
Chloromethane			0.0500	0.05525		mg/Kg		111	23 - 150	8	50
cis-1,2-Dichloroethene			0.0500	0.04748		mg/Kg		95	75 - 125	2	50
cis-1,3-Dichloropropene			0.0500	0.05176		mg/Kg		104	73 - 148	1	50
Dibromomethane			0.0500	0.04215		mg/Kg		84	71 - 130	2	50
Dichlorodifluoromethane			0.0500	0.04995		mg/Kg		100	12 - 144	3	50
Ethylbenzene			0.0500	0.05024		mg/Kg		100	80 - 134	3	50
Hexachlorobutadiene			0.0500	0.04135		mg/Kg		83	65 - 148	7	50
Isopropylbenzene			0.0500	0.05099		mg/Kg		102	80 - 150	4	50
Methyl tert-butyl ether			0.0500	0.04367		mg/Kg		87	70 - 136	2	50
Methylene Chloride			0.0500	0.04330		mg/Kg		87	68 - 144	0	50
Naphthalene			0.0500	0.04868		mg/Kg		97	69 - 150	0	50
n-Butylbenzene			0.0500	0.05484		mg/Kg		110	72 - 152	5	50
N-Propylbenzene			0.0500	0.05406		mg/Kg		108	75 - 137	1	50
p-Isopropyltoluene			0.0500	0.05440		mg/Kg		109	77 - 141	2	50
sec-Butylbenzene			0.0500	0.05461		mg/Kg		109	79 - 141	0	50
Styrene			0.0500	0.05190		mg/Kg		104	82 - 137	4	50
tert-Butylbenzene			0.0500	0.05216		mg/Kg		104	80 - 132	1	50
Tetrachloroethene			0.0500	0.04223		mg/Kg		84	78 - 140	4	50
Toluene			0.0500	0.04839		mg/Kg		97	80 - 132	1	50
trans-1,2-Dichloroethene			0.0500	0.04719		mg/Kg		94	76 - 128	2	50
trans-1,3-Dichloropropene			0.0500	0.05292		mg/Kg		106	62 - 139	1	50
Trichloroethene			0.0500	0.04148		mg/Kg		83	77 - 127	3	50
Trichlorofluoromethane			0.0500	0.04497		mg/Kg		90	50 - 140	3	50
Vinyl chloride			0.0500	0.05563		mg/Kg		111	47 - 136	1	50
Xylenes, Total			0.100	0.1011		mg/Kg		101	80 - 137	3	50
Hexane			0.0500	0.04498		mg/Kg		90	60 - 144	7	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
Dibromofluoromethane (Surr)	*95*		*70 - 130*
Toluene-d8 (Surr)	*109*		*70 - 130*

Lab Sample ID: MB 490-114976/6
Matrix: Solid
Analysis Batch: 114976

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.100		mg/Kg			10/17/13 12:29	1
Ethylbenzene	ND		0.100		mg/Kg			10/17/13 12:29	1
Xylenes, Total	ND		0.150		mg/Kg			10/17/13 12:29	1
Toluene	ND		0.100		mg/Kg			10/17/13 12:29	1
Naphthalene	ND		0.250		mg/Kg			10/17/13 12:29	1
Hexane	ND		0.500		mg/Kg			10/17/13 12:29	1

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

Lab Sample ID: MB 490-114976/6
Matrix: Solid
Analysis Batch: 114976

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*		*10/17/13 12:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*70 - 130*		*10/17/13 12:29*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*10/17/13 12:29*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*10/17/13 12:29*	*1*

Lab Sample ID: MB 490-114976/7
Matrix: Solid
Analysis Batch: 114976

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00200		mg/Kg			10/17/13 12:59	1
Ethylbenzene	ND		0.00200		mg/Kg			10/17/13 12:59	1
Xylenes, Total	ND		0.00300		mg/Kg			10/17/13 12:59	1
Toluene	ND		0.00200		mg/Kg			10/17/13 12:59	1
Naphthalene	ND		0.00500		mg/Kg			10/17/13 12:59	1
Hexane	ND		0.0100		mg/Kg			10/17/13 12:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*		*10/17/13 12:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*		*10/17/13 12:59*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*10/17/13 12:59*	*1*
Dibromofluoromethane (Surr)	*101*		*70 - 130*		*10/17/13 12:59*	*1*

Lab Sample ID: LCS 490-114976/3
Matrix: Solid
Analysis Batch: 114976

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.0500	0.05101		mg/Kg		102	75 - 127		
Ethylbenzene			0.0500	0.05088		mg/Kg		102	80 - 134		
Xylenes, Total			0.100	0.1034		mg/Kg		103	80 - 137		
Toluene			0.0500	0.04519		mg/Kg		90	80 - 132		
Naphthalene			0.0500	0.05975		mg/Kg		119	69 - 150		
Hexane			0.0500	0.05521		mg/Kg		110	60 - 144		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 130*
Toluene-d8 (Surr)	*88*		*70 - 130*
Dibromofluoromethane (Surr)	*103*		*70 - 130*

Lab Sample ID: LCSD 490-114976/4
Matrix: Solid
Analysis Batch: 114976

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.0500	0.04885		mg/Kg		98	75 - 127	4	50

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

Lab Sample ID: LCSD 490-114976/4
Matrix: Solid
Analysis Batch: 114976

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylbenzene			0.0500	0.04903		mg/Kg		98	80 - 134	4	50
Xylenes, Total			0.100	0.09908		mg/Kg		99	80 - 137	4	50
Toluene			0.0500	0.04588		mg/Kg		92	80 - 132	2	50
Naphthalene			0.0500	0.05838		mg/Kg		117	69 - 150	2	50
Hexane			0.0500	0.05008		mg/Kg		100	60 - 144	10	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*
Toluene-d8 (Surr)	*93*		*70 - 130*
Dibromofluoromethane (Surr)	*105*		*70 - 130*

Lab Sample ID: MB 490-115295/9
Matrix: Solid
Analysis Batch: 115295

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.100		mg/Kg			10/18/13 13:44	1
Ethylbenzene	ND		0.100		mg/Kg			10/18/13 13:44	1
Xylenes, Total	ND		0.150		mg/Kg			10/18/13 13:44	1
Toluene	ND		0.100		mg/Kg			10/18/13 13:44	1
Naphthalene	ND		0.250		mg/Kg			10/18/13 13:44	1
Hexane	ND		0.500		mg/Kg			10/18/13 13:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*		*10/18/13 13:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*84*		*70 - 130*		*10/18/13 13:44*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*10/18/13 13:44*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*10/18/13 13:44*	*1*

Lab Sample ID: LCS 490-115295/4
Matrix: Solid
Analysis Batch: 115295

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene			0.0500	0.04880		mg/Kg		98	75 - 127
Ethylbenzene			0.0500	0.04549		mg/Kg		91	80 - 134
Xylenes, Total			0.100	0.09254		mg/Kg		93	80 - 137
Toluene			0.0500	0.04354		mg/Kg		87	80 - 132
Naphthalene			0.0500	0.05215		mg/Kg		104	69 - 150
Hexane			0.0500	0.04996		mg/Kg		100	60 - 144

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*
Toluene-d8 (Surr)	*93*		*70 - 130*
Dibromofluoromethane (Surr)	*106*		*70 - 130*

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

Lab Sample ID: LCSD 490-115295/7
Matrix: Solid
Analysis Batch: 115295

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.0500	0.04666		mg/Kg		93	75 - 127	4	50
Ethylbenzene			0.0500	0.04643		mg/Kg		93	80 - 134	2	50
Xylenes, Total			0.100	0.09518		mg/Kg		95	80 - 137	3	50
Toluene			0.0500	0.04408		mg/Kg		88	80 - 132	1	50
Naphthalene			0.0500	0.05039		mg/Kg		101	69 - 150	3	50
Hexane			0.0500	0.05070		mg/Kg		101	60 - 144	1	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*
Toluene-d8 (Surr)	*95*		*70 - 130*
Dibromofluoromethane (Surr)	*104*		*70 - 130*

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

Lab Sample ID: MB 490-114208/1-A
Matrix: Solid
Analysis Batch: 114429

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114208

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.00333		mg/Kg		10/14/13 13:50	10/15/13 16:33	1
Acenaphthylene	ND		0.00333		mg/Kg		10/14/13 13:50	10/15/13 16:33	1
Anthracene	ND		0.00333		mg/Kg		10/14/13 13:50	10/15/13 16:33	1
Benzo[a]anthracene	ND		0.00333		mg/Kg		10/14/13 13:50	10/15/13 16:33	1
Benzo[a]pyrene	ND		0.00333		mg/Kg		10/14/13 13:50	10/15/13 16:33	1
Benzo[b]fluoranthene	ND		0.00333		mg/Kg		10/14/13 13:50	10/15/13 16:33	1
Benzo[g,h,i]perylene	ND		0.00333		mg/Kg		10/14/13 13:50	10/15/13 16:33	1
Benzo[k]fluoranthene	ND		0.00333		mg/Kg		10/14/13 13:50	10/15/13 16:33	1
Chrysene	ND		0.00333		mg/Kg		10/14/13 13:50	10/15/13 16:33	1
Dibenz(a,h)anthracene	ND		0.00333		mg/Kg		10/14/13 13:50	10/15/13 16:33	1
Fluorene	ND		0.00333		mg/Kg		10/14/13 13:50	10/15/13 16:33	1
Fluoranthene	ND		0.00333		mg/Kg		10/14/13 13:50	10/15/13 16:33	1
Indeno[1,2,3-cd]pyrene	ND		0.00333		mg/Kg		10/14/13 13:50	10/15/13 16:33	1
Naphthalene	ND		0.00333		mg/Kg		10/14/13 13:50	10/15/13 16:33	1
Phenanthrene	ND		0.00333		mg/Kg		10/14/13 13:50	10/15/13 16:33	1
Pyrene	ND		0.00333		mg/Kg		10/14/13 13:50	10/15/13 16:33	1
1-Methylnaphthalene	ND		0.00333		mg/Kg		10/14/13 13:50	10/15/13 16:33	1
2-Methylnaphthalene	ND		0.00333		mg/Kg		10/14/13 13:50	10/15/13 16:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*74*		*13 - 120*	*10/14/13 13:50*	*10/15/13 16:33*	*1*
Nitrobenzene-d5	*58*		*27 - 120*	*10/14/13 13:50*	*10/15/13 16:33*	*1*
2-Fluorobiphenyl (Surr)	*64*		*29 - 120*	*10/14/13 13:50*	*10/15/13 16:33*	*1*

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

Lab Sample ID: LCS 490-114208/2-A
Matrix: Solid
Analysis Batch: 114429

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114208

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.0333	0.02783		mg/Kg		83	36 - 120
Acenaphthylene	0.0333	0.02665		mg/Kg		80	38 - 120
Anthracene	0.0333	0.02860		mg/Kg		86	46 - 124
Benzo[a]anthracene	0.0333	0.02932		mg/Kg		88	45 - 120
Benzo[a]pyrene	0.0333	0.02898		mg/Kg		87	45 - 120
Benzo[b]fluoranthene	0.0333	0.02897		mg/Kg		87	42 - 120
Benzo[g,h,i]perylene	0.0333	0.03167		mg/Kg		95	38 - 120
Benzo[k]fluoranthene	0.0333	0.02982		mg/Kg		89	42 - 120
Chrysene	0.0333	0.03024		mg/Kg		91	43 - 120
Dibenz(a,h)anthracene	0.0333	0.03329		mg/Kg		100	32 - 128
Fluorene	0.0333	0.02850		mg/Kg		85	42 - 120
Fluoranthene	0.0333	0.02855		mg/Kg		86	46 - 120
Indeno[1,2,3-cd]pyrene	0.0333	0.03079		mg/Kg		92	41 - 121
Naphthalene	0.0333	0.02726		mg/Kg		82	32 - 120
Phenanthrene	0.0333	0.02764		mg/Kg		83	45 - 120
Pyrene	0.0333	0.02930		mg/Kg		88	43 - 120
1-Methylnaphthalene	0.0333	0.02733		mg/Kg		82	32 - 120
2-Methylnaphthalene	0.0333	0.02744		mg/Kg		82	28 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Terphenyl-d14	*74*		*13 - 120*
Nitrobenzene-d5	*66*		*27 - 120*
2-Fluorobiphenyl (Surr)	*64*		*29 - 120*

Lab Sample ID: 490-37356-1 MS
Matrix: Solid
Analysis Batch: 114429

Client Sample ID: SO-060493-100813-AS-SB-6-4
Prep Type: Total/NA
Prep Batch: 114208

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.0184		0.0329	0.05125		mg/Kg	☼	100	19 - 120
Acenaphthylene	0.00771		0.0329	0.02884		mg/Kg	☼	64	25 - 120
Anthracene	0.0448		0.0329	0.09037	F	mg/Kg	☼	138	28 - 125
Benzo[a]anthracene	0.143		0.0329	0.2431	4	mg/Kg	☼	305	23 - 120
Benzo[a]pyrene	0.134		0.0329	0.2273	4	mg/Kg	☼	282	15 - 128
Benzo[b]fluoranthene	0.182		0.0329	0.2812	4	mg/Kg	☼	300	12 - 133
Benzo[g,h,i]perylene	0.0956		0.0329	0.1262		mg/Kg	☼	93	22 - 120
Benzo[k]fluoranthene	0.0862		0.0329	0.1549	F	mg/Kg	☼	209	28 - 120
Chrysene	0.190		0.0329	0.2820	4	mg/Kg	☼	280	20 - 120
Dibenz(a,h)anthracene	0.0276		0.0329	0.05229		mg/Kg	☼	75	12 - 128
Fluorene	0.0341		0.0329	0.07416	F	mg/Kg	☼	122	20 - 120
Fluoranthene	0.397		0.0329	0.5416	E 4	mg/Kg	☼	438	10 - 143
Indeno[1,2,3-cd]pyrene	0.0880		0.0329	0.1237		mg/Kg	☼	108	22 - 121
Naphthalene	0.197		0.0329	0.3771	E 4	mg/Kg	☼	547	10 - 120
Phenanthrene	0.178		0.0329	0.2699	4	mg/Kg	☼	278	21 - 122
Pyrene	0.282		0.0329	0.4073	E 4	mg/Kg	☼	381	20 - 123
1-Methylnaphthalene	0.358		0.0329	0.6860	E 4	mg/Kg	☼	997	10 - 120
2-Methylnaphthalene	0.660		0.0329	1.265	E 4	mg/Kg	☼	1837	13 - 120

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

Lab Sample ID: 490-37356-1 MS
Matrix: Solid
Analysis Batch: 114429

Client Sample ID: SO-060493-100813-AS-SB-6-4
Prep Type: Total/NA
Prep Batch: 114208

Surrogate	MS %Recovery	MS Qualifier	Limits
Terphenyl-d14	*56*		*13 - 120*
Nitrobenzene-d5	*80*		*27 - 120*
2-Fluorobiphenyl (Surr)	*62*		*29 - 120*

Lab Sample ID: 490-37356-1 MSD
Matrix: Solid
Analysis Batch: 114429

Client Sample ID: SO-060493-100813-AS-SB-6-4
Prep Type: Total/NA
Prep Batch: 114208

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	0.0184		0.0322	0.04583		mg/Kg	☼	85	19 - 120	11	50
Acenaphthylene	0.00771		0.0322	0.02862		mg/Kg	☼	65	25 - 120	1	50
Anthracene	0.0448		0.0322	0.06085		mg/Kg	☼	50	28 - 125	39	49
Benzo[a]anthracene	0.143		0.0322	0.1596	4	mg/Kg	☼	53	23 - 120	41	50
Benzo[a]pyrene	0.134		0.0322	0.1614	4	mg/Kg	☼	84	15 - 128	34	50
Benzo[b]fluoranthene	0.182		0.0322	0.2051	4	mg/Kg	☼	71	12 - 133	31	50
Benzo[g,h,i]perylene	0.0956		0.0322	0.09785	F	mg/Kg	☼	7	22 - 120	25	50
Benzo[k]fluoranthene	0.0862		0.0322	0.1019		mg/Kg	☼	49	28 - 120	41	45
Chrysene	0.190		0.0322	0.1851	4	mg/Kg	☼	-14	20 - 120	42	49
Dibenz(a,h)anthracene	0.0276		0.0322	0.04642		mg/Kg	☼	58	12 - 128	12	50
Fluorene	0.0341		0.0322	0.05241		mg/Kg	☼	57	20 - 120	34	50
Fluoranthene	0.397		0.0322	0.3359	E 4	mg/Kg	☼	-191	10 - 143	47	50
Indeno[1,2,3-cd]pyrene	0.0880		0.0322	0.09696		mg/Kg	☼	28	22 - 121	24	50
Naphthalene	0.197		0.0322	0.1476	4 F	mg/Kg	☼	-153	10 - 120	87	50
Phenanthrene	0.178		0.0322	0.1839	4	mg/Kg	☼	18	21 - 122	38	50
Pyrene	0.282		0.0322	0.2498	4	mg/Kg	☼	-99	20 - 123	48	50
1-Methylnaphthalene	0.358		0.0322	0.2711	4 F	mg/Kg	☼	-269	10 - 120	87	50
2-Methylnaphthalene	0.660		0.0322	0.4785	E 4 F	mg/Kg	☼	-562	13 - 120	90	50

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Terphenyl-d14	*56*		*13 - 120*
Nitrobenzene-d5	*67*		*27 - 120*
2-Fluorobiphenyl (Surr)	*59*		*29 - 120*

Method: NWTPH/VPH - Northwest - Volatile Petroleum Hydrocarbons (GC)

Lab Sample ID: 490-37275-J-8-A MS
Matrix: Solid
Analysis Batch: 113330

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 113054

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
C5-C6 Aliphatics	ND		4.58	5.993	F	mg/Kg	☼	131	70 - 130
C6-C8 Aliphatics	ND		3.06	3.704		mg/Kg	☼	121	70 - 130
C8-C10 Aliphatics	3.63		9.17	13.29		mg/Kg	☼	105	70 - 130
C10-C12 Aliphatics	8.49		3.06	12.53	F	mg/Kg	☼	132	70 - 130
C8-C10 Aromatics	7.41		7.64	16.17		mg/Kg	☼	115	70 - 130
C10-C12 Aromatics	8.27		1.53	9.685	4	mg/Kg	☼	93	70 - 130
C12-C13 Aromatics	11.0		1.53	9.949	4	mg/Kg	☼	-67	70 - 130

Method: NWTPH/VPH - Northwest - Volatile Petroleum Hydrocarbons (GC) (Continued)

Lab Sample ID: 490-37275-J-8-A MS
Matrix: Solid
Analysis Batch: 113330

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 113054

Surrogate	MS %Recovery	MS Qualifier	Limits
2,5-Dibromotoluene (fid)	92		60 - 140
2,5-Dibromotoluene (pid)	114		60 - 140

Lab Sample ID: 490-37275-J-8-A MSD
Matrix: Solid
Analysis Batch: 113330

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 113054

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C5-C6 Aliphatics	ND		4.58	6.051	F	mg/Kg	☼	132	70 - 130	1	25
C6-C8 Aliphatics	ND		3.06	3.699		mg/Kg	☼	121	70 - 130	0	25
C8-C10 Aliphatics	3.63		9.17	12.45		mg/Kg	☼	96	70 - 130	7	25
C10-C12 Aliphatics	8.49		3.06	10.39	F	mg/Kg	☼	62	70 - 130	19	25
C8-C10 Aromatics	7.41		7.64	13.83		mg/Kg	☼	84	70 - 130	16	25
C10-C12 Aromatics	8.27		1.53	6.793	4 F	mg/Kg	☼	-96	70 - 130	35	25
C12-C13 Aromatics	11.0		1.53	7.317	4 F	mg/Kg	☼	-239	70 - 130	30	25

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,5-Dibromotoluene (fid)	91		60 - 140
2,5-Dibromotoluene (pid)	109		60 - 140

Lab Sample ID: MB 490-113330/6
Matrix: Solid
Analysis Batch: 113330

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C5-C6 Aliphatics	ND		5.00		mg/Kg			10/10/13 14:06	1
C6-C8 Aliphatics	ND		5.00		mg/Kg			10/10/13 14:06	1
C8-C10 Aliphatics	ND		5.00		mg/Kg			10/10/13 14:06	1
C10-C12 Aliphatics	ND		5.00		mg/Kg			10/10/13 14:06	1
C8-C10 Aromatics	ND		5.00		mg/Kg			10/10/13 14:06	1
C10-C12 Aromatics	ND		5.00		mg/Kg			10/10/13 14:06	1
C12-C13 Aromatics	ND		5.00		mg/Kg			10/10/13 14:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,5-Dibromotoluene (fid)	110		60 - 140		10/10/13 14:06	1
2,5-Dibromotoluene (pid)	110		60 - 140		10/10/13 14:06	1

Lab Sample ID: LCS 490-113330/3
Matrix: Solid
Analysis Batch: 113330

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
C5-C6 Aliphatics	15.0	15.40		mg/Kg		103	70 - 130
C6-C8 Aliphatics	10.0	9.731		mg/Kg		97	70 - 130
C8-C10 Aliphatics	30.0	28.43		mg/Kg		95	70 - 130
C10-C12 Aliphatics	10.0	11.47		mg/Kg		115	70 - 130
C8-C10 Aromatics	25.0	24.11		mg/Kg		96	70 - 130

Method: NWTPH/VPH - Northwest - Volatile Petroleum Hydrocarbons (GC) (Continued)

Lab Sample ID: LCS 490-113330/3
Matrix: Solid
Analysis Batch: 113330

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
C10-C12 Aromatics			5.00	5.207		mg/Kg		104	70 - 130		
C12-C13 Aromatics			5.00	5.478		mg/Kg		110	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,5-Dibromotoluene (fid)	*106*		*60 - 140*
2,5-Dibromotoluene (pid)	*108*		*60 - 140*

Lab Sample ID: LCSD 490-113330/4
Matrix: Solid
Analysis Batch: 113330

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C5-C6 Aliphatics			15.0	16.77		mg/Kg		112	70 - 130	9	25
C6-C8 Aliphatics			10.0	10.51		mg/Kg		105	70 - 130	8	25
C8-C10 Aliphatics			30.0	30.86		mg/Kg		103	70 - 130	8	25
C10-C12 Aliphatics			10.0	12.09		mg/Kg		121	70 - 130	5	25
C8-C10 Aromatics			25.0	26.02		mg/Kg		104	70 - 130	8	25
C10-C12 Aromatics			5.00	5.582		mg/Kg		112	70 - 130	7	25
C12-C13 Aromatics			5.00	5.980		mg/Kg		120	70 - 130	9	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,5-Dibromotoluene (fid)	*107*		*60 - 140*
2,5-Dibromotoluene (pid)	*108*		*60 - 140*

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

Lab Sample ID: 490-37096-D-1-A DU
Matrix: Solid
Analysis Batch: 113587

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 112276

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
C6-C12	ND			ND		mg/Kg	☼			NC	10

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*92*		*50 - 150*

Lab Sample ID: MB 490-113587/39
Matrix: Solid
Analysis Batch: 113587

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	ND		5.00		mg/Kg			10/12/13 12:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*97*		*50 - 150*		*10/12/13 12:30*	*1*

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

Lab Sample ID: LCS 490-113587/64
Matrix: Solid
Analysis Batch: 113587

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
C6-C12			10.0	9.210		mg/Kg		92	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*77*		*50 - 150*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 490-114240/1-A
Matrix: Solid
Analysis Batch: 114828

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114240

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.0333		mg/Kg		10/14/13 15:34	10/16/13 20:21	1
PCB-1221	ND		0.0333		mg/Kg		10/14/13 15:34	10/16/13 20:21	1
PCB-1232	ND		0.0333		mg/Kg		10/14/13 15:34	10/16/13 20:21	1
PCB-1242	ND		0.0333		mg/Kg		10/14/13 15:34	10/16/13 20:21	1
PCB-1248	ND		0.0333		mg/Kg		10/14/13 15:34	10/16/13 20:21	1
PCB-1254	ND		0.0333		mg/Kg		10/14/13 15:34	10/16/13 20:21	1
PCB-1260	ND		0.0333		mg/Kg		10/14/13 15:34	10/16/13 20:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*72*		*19 - 147*	*10/14/13 15:34*	*10/16/13 20:21*	*1*
DCB Decachlorobiphenyl (Surr)	*76*		*20 - 150*	*10/14/13 15:34*	*10/16/13 20:21*	*1*

Lab Sample ID: LCS 490-114240/2-A
Matrix: Solid
Analysis Batch: 114828

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114240

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1248			0.167	0.1480		mg/Kg		89	45 - 149		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*71*		*19 - 147*
DCB Decachlorobiphenyl (Surr)	*74*		*20 - 150*

Lab Sample ID: 490-37411-G-7-B MS
Matrix: Solid
Analysis Batch: 114828

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 114240

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1248	ND		0.460	0.3672		mg/Kg	☼	80	11 - 158		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*59*		*19 - 147*
DCB Decachlorobiphenyl (Surr)	*63*		*20 - 150*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 490-37411-G-7-C MSD
Matrix: Solid
Analysis Batch: 114828

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 114240

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1248	ND		0.471	0.3847		mg/Kg	☼	82	11 - 158	5	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*54*		*19 - 147*
DCB Decachlorobiphenyl (Surr)	*60*		*20 - 150*

Method: NWTPH/EPH - Northwest - Extractable Petroleum Hydrocarbons (GC)

Lab Sample ID: MB 490-114054/1-B
Matrix: Solid
Analysis Batch: 115461

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114054

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C8-C10 Aliphatics	ND		5.00		mg/Kg		10/14/13 08:09	10/18/13 16:28	1
C10-C12 Aliphatics	ND		5.00		mg/Kg		10/14/13 08:09	10/18/13 16:28	1
C12-C16 Aliphatics	ND		5.00		mg/Kg		10/14/13 08:09	10/18/13 16:28	1
C16-C21 Aliphatics	ND		5.00		mg/Kg		10/14/13 08:09	10/18/13 16:28	1
C21-C34 Aliphatics	ND		5.00		mg/Kg		10/14/13 08:09	10/18/13 16:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctadecane	*72*		*60 - 140*	*10/14/13 08:09*	*10/18/13 16:28*	*1*

Lab Sample ID: MB 490-114054/1-C
Matrix: Solid
Analysis Batch: 116070

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114054

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C8-C10 Aromatics	ND		5.00		mg/Kg		10/14/13 08:09	10/22/13 16:57	1
C10-C12 Aromatics	ND		5.00		mg/Kg		10/14/13 08:09	10/22/13 16:57	1
C12-C16 Aromatics	ND		5.00		mg/Kg		10/14/13 08:09	10/22/13 16:57	1
C16-C21 Aromatics	ND		5.00		mg/Kg		10/14/13 08:09	10/22/13 16:57	1
C21-C34 Aromatics	ND		5.00		mg/Kg		10/14/13 08:09	10/22/13 16:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*95*		*60 - 140*	*10/14/13 08:09*	*10/22/13 16:57*	*1*
2-Bromonaphthalene	*80*		*60 - 140*	*10/14/13 08:09*	*10/22/13 16:57*	*1*
o-Terphenyl	*74*		*60 - 140*	*10/14/13 08:09*	*10/22/13 16:57*	*1*

Lab Sample ID: LCS 490-114054/2-B
Matrix: Solid
Analysis Batch: 115461

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114054

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
C8-C10 Aliphatics	10.0	5.461		mg/Kg		55	50 - 150
C10-C12 Aliphatics	5.00	ND		mg/Kg		70	70 - 130
C12-C16 Aliphatics	10.0	8.026		mg/Kg		80	70 - 130
C16-C21 Aliphatics	15.0	15.64		mg/Kg		104	70 - 130

Method: NWTPH/EPH - Northwest - Extractable Petroleum Hydrocarbons (GC) (Continued)

Lab Sample ID: LCS 490-114054/2-B
Matrix: Solid
Analysis Batch: 115461

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114054

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
C21-C34 Aliphatics			25.0	22.41		mg/Kg		90	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctadecane	*77*		*60 - 140*

Lab Sample ID: LCS 490-114054/2-C
Matrix: Solid
Analysis Batch: 116070

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114054

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
C10-C12 Aromatics			5.00	ND		mg/Kg		85	70 - 130		
C12-C16 Aromatics			15.0	13.80		mg/Kg		92	70 - 130		
C16-C21 Aromatics			25.0	22.01		mg/Kg		88	70 - 130		
C21-C34 Aromatics			40.0	33.12		mg/Kg		83	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*116*		*60 - 140*
2-Bromonaphthalene	*96*		*60 - 140*
o-Terphenyl	*90*		*60 - 140*

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

Lab Sample ID: MB 490-114050/1-A
Matrix: Solid
Analysis Batch: 114467

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114050

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C24	ND		5.00		mg/Kg		10/14/13 07:54	10/16/13 00:14	1
C24-C40	ND		5.00		mg/Kg		10/14/13 07:54	10/16/13 00:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*86*		*50 - 150*	*10/14/13 07:54*	*10/16/13 00:14*	*1*

Lab Sample ID: LCS 490-114050/2-A
Matrix: Solid
Analysis Batch: 114467

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114050

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
C10-C24			50.0	48.40		mg/Kg		97	55 - 129		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*93*		*50 - 150*

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

Lab Sample ID: 490-37356-1 DU — **Client Sample ID: SO-060493-100813-AS-SB-6-4**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 114467 — **Prep Batch: 114050**

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
C10-C24	82.2			69.80		mg/Kg	☼			16	50
C24-C40	66.2			56.76		mg/Kg	☼			15	50

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
o-Terphenyl	*64*		*50 - 150*

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 490-115382/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 115999 — **Prep Batch: 115382**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.480		mg/Kg		10/18/13 12:16	10/18/13 17:12	1

Lab Sample ID: LCS 490-115382/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 115999 — **Prep Batch: 115382**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead			19.0	19.45		mg/Kg		102	80 - 120		

Lab Sample ID: 490-37356-1 MS — **Client Sample ID: SO-060493-100813-AS-SB-6-4**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 115999 — **Prep Batch: 115382**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead	11.0		22.1	29.90		mg/Kg	☼	86	75 - 125		

Lab Sample ID: 490-37356-1 MSD — **Client Sample ID: SO-060493-100813-AS-SB-6-4**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 115999 — **Prep Batch: 115382**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	11.0		21.5	33.85		mg/Kg	☼	106	75 - 125	12	20

Method: Moisture - Percent Moisture

Lab Sample ID: 490-37342-A-2 DU — **Client Sample ID: Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 113290

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	12			12		%				4	20
Percent Solids	88			88		%				0.5	20

GC/MS VOA

Prep Batch: 113276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37356-4	SO-060493-100813-AS-SB-7-8	Total/NA	Solid	5035	
490-37356-5	SO-060493-100813-AS-SB-7-11.5	Total/NA	Solid	5035	

Prep Batch: 113278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37356-1	SO-060493-100813-AS-SB-6-4	Total/NA	Solid	5035	
490-37356-2	SO-060493-100813-AS-SB-7-2	Total/NA	Solid	5035	
490-37356-3	SO-060493-100813-AS-SB-7-4	Total/NA	Solid	5035	

Prep Batch: 113850

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37356-6	Trip Blank	Total/NA	Solid	5035	

Analysis Batch: 114356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37356-6	Trip Blank	Total/NA	Solid	8260B	113850
LCS 490-114356/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-114356/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-114356/7	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 114976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37356-1	SO-060493-100813-AS-SB-6-4	Total/NA	Solid	8260B	113278
490-37356-2	SO-060493-100813-AS-SB-7-2	Total/NA	Solid	8260B	113278
490-37356-3	SO-060493-100813-AS-SB-7-4	Total/NA	Solid	8260B	113278
490-37356-4	SO-060493-100813-AS-SB-7-8	Total/NA	Solid	8260B	113276
490-37356-5	SO-060493-100813-AS-SB-7-11.5	Total/NA	Solid	8260B	113276
LCS 490-114976/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-114976/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-114976/6	Method Blank	Total/NA	Solid	8260B	
MB 490-114976/7	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 115295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37356-5	SO-060493-100813-AS-SB-7-11.5	Total/NA	Solid	8260B	113276
LCS 490-115295/4	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-115295/7	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-115295/9	Method Blank	Total/NA	Solid	8260B	

GC/MS Semi VOA

Prep Batch: 114208

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37356-1	SO-060493-100813-AS-SB-6-4	Total/NA	Solid	3550B	
490-37356-1 MS	SO-060493-100813-AS-SB-6-4	Total/NA	Solid	3550B	
490-37356-1 MSD	SO-060493-100813-AS-SB-6-4	Total/NA	Solid	3550B	
LCS 490-114208/2-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 490-114208/1-A	Method Blank	Total/NA	Solid	3550B	

GC/MS Semi VOA (Continued)

Analysis Batch: 114429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37356-1	SO-060493-100813-AS-SB-6-4	Total/NA	Solid	8270C SIM	114208
490-37356-1 MS	SO-060493-100813-AS-SB-6-4	Total/NA	Solid	8270C SIM	114208
490-37356-1 MSD	SO-060493-100813-AS-SB-6-4	Total/NA	Solid	8270C SIM	114208
LCS 490-114208/2-A	Lab Control Sample	Total/NA	Solid	8270C SIM	114208
MB 490-114208/1-A	Method Blank	Total/NA	Solid	8270C SIM	114208

Analysis Batch: 114840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37356-1	SO-060493-100813-AS-SB-6-4	Total/NA	Solid	8270C SIM	114208

GC VOA

Prep Batch: 112276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37096-D-1-A DU	Duplicate	Total/NA	Solid	5035	

Prep Batch: 113054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37275-J-8-A MS	Matrix Spike	Total/NA	Solid	5035	
490-37275-J-8-A MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 113276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37356-1	SO-060493-100813-AS-SB-6-4	Total/NA	Solid	5035	
490-37356-2	SO-060493-100813-AS-SB-7-2	Total/NA	Solid	5035	
490-37356-3	SO-060493-100813-AS-SB-7-4	Total/NA	Solid	5035	
490-37356-4	SO-060493-100813-AS-SB-7-8	Total/NA	Solid	5035	
490-37356-5	SO-060493-100813-AS-SB-7-11.5	Total/NA	Solid	5035	

Analysis Batch: 113330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37275-J-8-A MS	Matrix Spike	Total/NA	Solid	NWTPH/VPH	113054
490-37275-J-8-A MSD	Matrix Spike Duplicate	Total/NA	Solid	NWTPH/VPH	113054
490-37356-5	SO-060493-100813-AS-SB-7-11.5	Total/NA	Solid	NWTPH/VPH	113276
490-37356-5	SO-060493-100813-AS-SB-7-11.5	Total/NA	Solid	NWTPH/VPH	113276
LCS 490-113330/3	Lab Control Sample	Total/NA	Solid	NWTPH/VPH	
LCSD 490-113330/4	Lab Control Sample Dup	Total/NA	Solid	NWTPH/VPH	
MB 490-113330/6	Method Blank	Total/NA	Solid	NWTPH/VPH	

Analysis Batch: 113587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37096-D-1-A DU	Duplicate	Total/NA	Solid	NWTPH-Gx	112276
490-37356-1	SO-060493-100813-AS-SB-6-4	Total/NA	Solid	NWTPH-Gx	113276
490-37356-2	SO-060493-100813-AS-SB-7-2	Total/NA	Solid	NWTPH-Gx	113276
490-37356-3	SO-060493-100813-AS-SB-7-4	Total/NA	Solid	NWTPH-Gx	113276
490-37356-4	SO-060493-100813-AS-SB-7-8	Total/NA	Solid	NWTPH-Gx	113276
490-37356-5	SO-060493-100813-AS-SB-7-11.5	Total/NA	Solid	NWTPH-Gx	113276
LCS 490-113587/64	Lab Control Sample	Total/NA	Solid	NWTPH-Gx	
MB 490-113587/39	Method Blank	Total/NA	Solid	NWTPH-Gx	

GC VOA (Continued)

Analysis Batch: 114284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37356-5	SO-060493-100813-AS-SB-7-11.5	Total/NA	Solid	NWTPH/VPH	

GC Semi VOA

Prep Batch: 114050

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37356-1	SO-060493-100813-AS-SB-6-4	Total/NA	Solid	3550B	
490-37356-1 DU	SO-060493-100813-AS-SB-6-4	Total/NA	Solid	3550B	
490-37356-2	SO-060493-100813-AS-SB-7-2	Total/NA	Solid	3550B	
490-37356-3	SO-060493-100813-AS-SB-7-4	Total/NA	Solid	3550B	
490-37356-4	SO-060493-100813-AS-SB-7-8	Total/NA	Solid	3550B	
490-37356-5	SO-060493-100813-AS-SB-7-11.5	Total/NA	Solid	3550B	
LCS 490-114050/2-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 490-114050/1-A	Method Blank	Total/NA	Solid	3550B	

Prep Batch: 114054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37356-5	SO-060493-100813-AS-SB-7-11.5	Total/NA	Solid	3541	
LCS 490-114054/2-B	Lab Control Sample	Total/NA	Solid	3541	
LCS 490-114054/2-C	Lab Control Sample	Total/NA	Solid	3541	
MB 490-114054/1-B	Method Blank	Total/NA	Solid	3541	
MB 490-114054/1-C	Method Blank	Total/NA	Solid	3541	

Prep Batch: 114240

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37356-1	SO-060493-100813-AS-SB-6-4	Total/NA	Solid	3550B	
490-37411-G-7-B MS	Matrix Spike	Total/NA	Solid	3550B	
490-37411-G-7-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3550B	
LCS 490-114240/2-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 490-114240/1-A	Method Blank	Total/NA	Solid	3550B	

Analysis Batch: 114467

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37356-1	SO-060493-100813-AS-SB-6-4	Total/NA	Solid	NWTPH-Dx	114050
490-37356-1 DU	SO-060493-100813-AS-SB-6-4	Total/NA	Solid	NWTPH-Dx	114050
490-37356-2	SO-060493-100813-AS-SB-7-2	Total/NA	Solid	NWTPH-Dx	114050
490-37356-3	SO-060493-100813-AS-SB-7-4	Total/NA	Solid	NWTPH-Dx	114050
490-37356-4	SO-060493-100813-AS-SB-7-8	Total/NA	Solid	NWTPH-Dx	114050
490-37356-5	SO-060493-100813-AS-SB-7-11.5	Total/NA	Solid	NWTPH-Dx	114050
490-37356-5	SO-060493-100813-AS-SB-7-11.5	Total/NA	Solid	NWTPH-Dx	114050
LCS 490-114050/2-A	Lab Control Sample	Total/NA	Solid	NWTPH-Dx	114050
MB 490-114050/1-A	Method Blank	Total/NA	Solid	NWTPH-Dx	114050

Analysis Batch: 114828

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37356-1	SO-060493-100813-AS-SB-6-4	Total/NA	Solid	8082	114240
490-37411-G-7-B MS	Matrix Spike	Total/NA	Solid	8082	114240
490-37411-G-7-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8082	114240
LCS 490-114240/2-A	Lab Control Sample	Total/NA	Solid	8082	114240
MB 490-114240/1-A	Method Blank	Total/NA	Solid	8082	114240

GC Semi VOA (Continued)

Fraction Batch: 115281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37356-5	SO-060493-100813-AS-SB-7-11.5	Total/NA	Solid	EPH Frac	114054
490-37356-5	SO-060493-100813-AS-SB-7-11.5	Total/NA	Solid	EPH Frac	114054
LCS 490-114054/2-B	Lab Control Sample	Total/NA	Solid	EPH Frac	114054
LCS 490-114054/2-C	Lab Control Sample	Total/NA	Solid	EPH Frac	114054
MB 490-114054/1-B	Method Blank	Total/NA	Solid	EPH Frac	114054
MB 490-114054/1-C	Method Blank	Total/NA	Solid	EPH Frac	114054

Analysis Batch: 115461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37356-5	SO-060493-100813-AS-SB-7-11.5	Total/NA	Solid	NWTPH/EPH	115281
LCS 490-114054/2-B	Lab Control Sample	Total/NA	Solid	NWTPH/EPH	115281
MB 490-114054/1-B	Method Blank	Total/NA	Solid	NWTPH/EPH	115281

Analysis Batch: 116070

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37356-5	SO-060493-100813-AS-SB-7-11.5	Total/NA	Solid	NWTPH/EPH	115281
490-37356-5	SO-060493-100813-AS-SB-7-11.5	Total/NA	Solid	NWTPH/EPH	115281
LCS 490-114054/2-C	Lab Control Sample	Total/NA	Solid	NWTPH/EPH	115281
MB 490-114054/1-C	Method Blank	Total/NA	Solid	NWTPH/EPH	115281

Metals

Prep Batch: 115382

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37356-1	SO-060493-100813-AS-SB-6-4	Total/NA	Solid	3051	
490-37356-1 MS	SO-060493-100813-AS-SB-6-4	Total/NA	Solid	3051	
490-37356-1 MSD	SO-060493-100813-AS-SB-6-4	Total/NA	Solid	3051	
LCS 490-115382/2-A	Lab Control Sample	Total/NA	Solid	3051	
MB 490-115382/1-A	Method Blank	Total/NA	Solid	3051	

Analysis Batch: 115999

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37356-1	SO-060493-100813-AS-SB-6-4	Total/NA	Solid	6020	115382
490-37356-1 MS	SO-060493-100813-AS-SB-6-4	Total/NA	Solid	6020	115382
490-37356-1 MSD	SO-060493-100813-AS-SB-6-4	Total/NA	Solid	6020	115382
LCS 490-115382/2-A	Lab Control Sample	Total/NA	Solid	6020	115382
MB 490-115382/1-A	Method Blank	Total/NA	Solid	6020	115382

General Chemistry

Analysis Batch: 113290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37332-A-2 MS	Matrix Spike	Total/NA	Solid	Moisture	
490-37332-A-2 MSD	Matrix Spike Duplicate	Total/NA	Solid	Moisture	
490-37342-A-2 DU	Duplicate	Total/NA	Solid	Moisture	
490-37356-1	SO-060493-100813-AS-SB-6-4	Total/NA	Solid	Moisture	
490-37356-2	SO-060493-100813-AS-SB-7-2	Total/NA	Solid	Moisture	
490-37356-3	SO-060493-100813-AS-SB-7-4	Total/NA	Solid	Moisture	
490-37356-4	SO-060493-100813-AS-SB-7-8	Total/NA	Solid	Moisture	
490-37356-5	SO-060493-100813-AS-SB-7-11.5	Total/NA	Solid	Moisture	

Client Sample ID: SO-060493-100813-AS-SB-6-4

Lab Sample ID: 490-37356-1

Date Collected: 10/08/13 09:55
Matrix: Solid
Date Received: 10/09/13 08:15
Percent Solids: 91.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			113278	10/10/13 09:49	JLP	TAL NSH
Total/NA	Analysis	8260B		1	114976	10/17/13 15:29	KKK	TAL NSH
Total/NA	Prep	3550B			114208	10/14/13 13:50	LP	TAL NSH
Total/NA	Analysis	8270C SIM		1	114429	10/15/13 17:25	BES	TAL NSH
Total/NA	Analysis	8270C SIM		10	114840	10/16/13 14:52	BES	TAL NSH
Total/NA	Prep	5035			113276	10/10/13 09:43	JLP	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	113587	10/12/13 22:26	AMC	TAL NSH
Total/NA	Prep	3550B			114050	10/14/13 07:54	LP	TAL NSH
Total/NA	Analysis	NWTPH-Dx		1	114467	10/16/13 00:44	JML	TAL NSH
Total/NA	Prep	3550B			114240	10/14/13 15:34	LP	TAL NSH
Total/NA	Analysis	8082		1	114828	10/16/13 23:13	WAM	TAL NSH
Total/NA	Prep	3051			115382	10/18/13 12:16	DBK	TAL NSH
Total/NA	Analysis	6020		1	115999	10/18/13 17:21	BWW	TAL NSH
Total/NA	Analysis	Moisture		1	113290	10/10/13 09:57	RRS	TAL NSH

Client Sample ID: SO-060493-100813-AS-SB-7-2

Lab Sample ID: 490-37356-2

Date Collected: 10/08/13 12:05
Matrix: Solid
Date Received: 10/09/13 08:15
Percent Solids: 85.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			113278	10/10/13 09:49	JLP	TAL NSH
Total/NA	Analysis	8260B		1	114976	10/17/13 13:59	KKK	TAL NSH
Total/NA	Prep	5035			113276	10/10/13 09:43	JLP	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	113587	10/12/13 22:59	AMC	TAL NSH
Total/NA	Prep	3550B			114050	10/14/13 07:54	LP	TAL NSH
Total/NA	Analysis	NWTPH-Dx		1	114467	10/16/13 01:14	JML	TAL NSH
Total/NA	Analysis	Moisture		1	113290	10/10/13 09:57	RRS	TAL NSH

Client Sample ID: SO-060493-100813-AS-SB-7-4

Lab Sample ID: 490-37356-3

Date Collected: 10/08/13 12:15
Matrix: Solid
Date Received: 10/09/13 08:15
Percent Solids: 86.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			113278	10/10/13 09:49	JLP	TAL NSH
Total/NA	Analysis	8260B		1	114976	10/17/13 13:29	KKK	TAL NSH
Total/NA	Prep	5035			113276	10/10/13 09:43	JLP	TAL NSH
Total/NA	Analysis	NWTPH-Gx		1	113587	10/12/13 23:33	AMC	TAL NSH
Total/NA	Prep	3550B			114050	10/14/13 07:54	LP	TAL NSH
Total/NA	Analysis	NWTPH-Dx		1	114467	10/16/13 01:30	JML	TAL NSH
Total/NA	Analysis	Moisture		1	113290	10/10/13 09:57	RRS	TAL NSH

Client Sample ID: SO-060493-100813-AS-SB-7-8

Lab Sample ID: 490-37356-4

Date Collected: 10/08/13 12:30
Matrix: Solid
Date Received: 10/09/13 08:15
Percent Solids: 91.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			113276	10/10/13 09:43	JLP	TAL NSH
Total/NA	Analysis	8260B		20	114976	10/17/13 17:59	KKK	TAL NSH
Total/NA	Prep	5035			113276	10/10/13 09:43	JLP	TAL NSH
Total/NA	Analysis	NWTPH-Gx		100	113587	10/12/13 13:37	AMC	TAL NSH
Total/NA	Prep	3550B			114050	10/14/13 07:54	LP	TAL NSH
Total/NA	Analysis	NWTPH-Dx		1	114467	10/16/13 01:45	JML	TAL NSH
Total/NA	Analysis	Moisture		1	113290	10/10/13 10:02	RRS	TAL NSH

Client Sample ID: SO-060493-100813-AS-SB-7-11.5

Lab Sample ID: 490-37356-5

Date Collected: 10/08/13 12:45
Matrix: Solid
Date Received: 10/09/13 08:15
Percent Solids: 88.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			113276	10/10/13 09:43	JLP	TAL NSH
Total/NA	Analysis	8260B		20	114976	10/17/13 18:59	KKK	TAL NSH
Total/NA	Analysis	8260B		100	115295	10/18/13 14:44	KKK	TAL NSH
Total/NA	Analysis	NWTPH/VPH		100	113330	10/10/13 16:38	FKG	TAL NSH
Total/NA	Prep	5035			113276	10/10/13 09:43	JLP	TAL NSH
Total/NA	Analysis	NWTPH/VPH		20	113330	10/10/13 20:10	FKG	TAL NSH
Total/NA	Prep	5035			113276	10/10/13 09:43	JLP	TAL NSH
Total/NA	Analysis	NWTPH-Gx		2	113587	10/12/13 13:03	AMC	TAL NSH
Total/NA	Analysis	NWTPH/VPH		20	114284	10/14/13 21:47	FKG	TAL NSH
Total/NA	Analysis	NWTPH-Dx		1	114467	10/16/13 02:31	JML	TAL NSH
Total/NA	Prep	3550B			114050	10/14/13 07:54	LP	TAL NSH
Total/NA	Analysis	NWTPH-Dx		2	114467	10/16/13 11:04	JML	TAL NSH
Total/NA	Prep	3541			114054	10/14/13 08:09	LP	TAL NSH
Total/NA	Fraction	EPH Frac			115281	10/18/13 09:04	TRF	TAL NSH
Total/NA	Analysis	NWTPH/EPH		1	115461	10/18/13 17:24	GMH	TAL NSH
Total/NA	Fraction	EPH Frac			115281	10/18/13 09:04	TRF	TAL NSH
Total/NA	Analysis	NWTPH/EPH		1	116070	10/22/13 17:27	KKH	TAL NSH
Total/NA	Prep	3541			114054	10/14/13 08:09	LP	TAL NSH
Total/NA	Analysis	NWTPH/EPH		5	116070	10/22/13 17:57	KKH	TAL NSH
Total/NA	Analysis	Moisture		1	113290	10/10/13 10:02	RRS	TAL NSH

Client Sample ID: Trip Blank

Lab Sample ID: 490-37356-6

Date Collected: 10/08/13 00:01
Matrix: Solid
Date Received: 10/09/13 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			113850	10/12/13 07:24	JLP	TAL NSH
Total/NA	Analysis	8260B		1	114356	10/15/13 13:21	KKK	TAL NSH

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 210 NE 45th St Seattle WA

TestAmerica Job ID: 490-37356-1
SDG: SAP 120877 / 060493

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Method Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 210 NE 45th St Seattle WA

TestAmerica Job ID: 490-37356-1
SDG: SAP 120877 / 060493

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NSH
8270C SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	TAL NSH
NWTPH/VPH	Northwest - Volatile Petroleum Hydrocarbons (GC)	NWTPH	TAL NSH
NWTPH-Gx	Northwest - Volatile Petroleum Products (GC)	NWTPH	TAL NSH
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL NSH
NWTPH/EPH	Northwest - Extractable Petroleum Hydrocarbons (GC)	NWTPH	TAL NSH
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	TAL NSH
6020	Metals (ICP/MS)	SW846	TAL NSH
Moisture	Percent Moisture	EPA	TAL NSH

Protocol References:

EPA = US Environmental Protection Agency

NWTPH = Northwest Total Petroleum Hydrocarbon

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 210 NE 45th St Seattle WA

TestAmerica Job ID: 490-37356-1
SDG: SAP 120877 / 060493

Laboratory: TestAmerica Nashville

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Washington	State Program	10	C789	07-19-14

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
6020	3051	Solid	Lead
8082	3550B	Solid	PCB-1016
8082	3550B	Solid	PCB-1221
8082	3550B	Solid	PCB-1232
8082	3550B	Solid	PCB-1242
8082	3550B	Solid	PCB-1248
8082	3550B	Solid	PCB-1254
8082	3550B	Solid	PCB-1260
8260B		Solid	Hexane
8260B	5035	Solid	Hexane
8270C SIM	3550B	Solid	1-Methylnaphthalene
8270C SIM	3550B	Solid	2-Methylnaphthalene
8270C SIM	3550B	Solid	Acenaphthene
8270C SIM	3550B	Solid	Acenaphthylene
8270C SIM	3550B	Solid	Anthracene
8270C SIM	3550B	Solid	Benzo[a]anthracene
8270C SIM	3550B	Solid	Benzo[a]pyrene
8270C SIM	3550B	Solid	Benzo[b]fluoranthene
8270C SIM	3550B	Solid	Benzo[g,h,i]perylene
8270C SIM	3550B	Solid	Benzo[k]fluoranthene
8270C SIM	3550B	Solid	Chrysene
8270C SIM	3550B	Solid	Dibenz(a,h)anthracene
8270C SIM	3550B	Solid	Fluoranthene
8270C SIM	3550B	Solid	Fluorene
8270C SIM	3550B	Solid	Indeno[1,2,3-cd]pyrene
8270C SIM	3550B	Solid	Naphthalene
8270C SIM	3550B	Solid	Phenanthrene
8270C SIM	3550B	Solid	Pyrene
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids
NWTPH-Dx	3550B	Solid	C10-C24
NWTPH-Gx		Solid	C6-C12
NWTPH-Gx	5035	Solid	C6-C12

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT

Cooler Received/Opened On : 10/9/2013 @ 0815

Tracking # 2200 (last 4 digits, FedEx)

Courier: Fed-ex IR Gun : 12080142

1. Temperature of rep. sample or temp blank when opened: 4.6 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...(NA)

4. Were custody seals on outside of cooler? (YES)...NO...NA

If yes, how many and where: 1 Front

5. Were the seals intact, signed, and dated correctly? (YES)...NO...NA

6. Were custody papers inside cooler? (YES)...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES (NO) and Intact YES NO (NA)

Were these signed and dated correctly? YES...NO...(NA)

8. Packing mat'l used? (Bubblewrap) Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: (Ice) Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? (YES)...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? (YES)...NO...NA

12. Did all container labels and tags agree with custody papers? (YES)...NO...NA

13a. Were VOA vials received? (YES)...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...(NO)...NA – Soils

14. Was there a Trip Blank in this cooler? (YES)...NO...NA If multiple coolers, sequence # NA

I certify that I unloaded the cooler and answered questions 7-14 (intial) _____

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...(NA)

b. Did the bottle labels indicate that the correct preservatives were used (YES)...NO...NA

16. Was residual chlorine present? YES...NO...(NA)

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) _____

17. Were custody papers properly filled out (ink, signed, etc)? (YES)...NO...NA

18. Did you sign the custody papers in the appropriate place? (YES)...NO...NA

19. Were correct containers used for the analysis requested? (YES)...NO...NA

20. Was sufficient amount of sample sent in each container? (YES)...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) _____

I certify that I attached a label with the unique LIMS number to each container (intial) _____

21. Were there Non-Conformance issues at login? YES...(NO) Was a NCM generated? YES...(NO)...#_____

BIS = Broken in shipment

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)
- ☐ CALSCIENCE (_____)
- ☐ SPL Houston (_____)
- ☐ XENCO (_____)
- ☑ TEST AMERICA (Nashville)
- ☐ OTHER (_____)

Please Check Appropriate Box:
- ☐ ENV. SERVICES
- ☐ MOTIVA RETAIL
- ☐ SHELL RETAIL
- ☐ MOTIVA SD&CM
- ☑ CONSULTANT
- ☐ LUBES
- ☐ SHELL PIPELINE
- ☐ OTHER

Print Bill To Contact Name:

INCIDENT # (ENV SERVICES): 91880622 ☐ CHECK IF NO INCIDENT # APPLIES

DATE: 10/8/13

PAGE: 1 of 1

PO #: 4004036058

SAP #: 1208877

SAMPLING COMPANY: Conestoga-Rovers & Associates

LOG CODE: CRAW

SITE ADDRESS: Street and City: 210 NE 45th St Seattle

State: WA

GLOBAL ID NO.:

ADDRESS: 20818 44th Ave West, Suite 190, Lynnwood, WA 98036

EDF DELIVERABLE TO (Name, Company, Office Location): Christine Diel, CRA

PHONE NO.: 425-563-6500

E-MAIL: cdiel@CRAworld.com

CONSULTANT PROJECT NO.: 060493

PROJECT CONTACT (Hardcopy or PDF Report to): Michael Lam

TELEPHONE: 425-563-6500

FAX: 425-563-6599

E-MAIL: MQLam@craworld.com

SAMPLER NAME(S) (Print): Andrea Schweiter

LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS):
- ☒ STANDARD (14 DAY)
- ☐ 5 DAYS
- ☐ 3 DAYS
- ☐ 2 DAYS
- ☐ 24 HOURS
- ☐ RESULTS NEEDED ON WEEKEN

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :

Copy final report to Shell.Lab.Billing@craworld.com

See TA PM for WA Dept. of Ecology MTCA Method A cleanup levels for minimum detection limits

- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☐ RECEIPT VERIFICATION REQUESTED

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	NWTPH-Gx	NWTPH-Dx w/Silica Gel Cleanup	BTEX (8260B)	~~5 Oxygenates (MTBE, TBA, DIPE, TAME, ETBE (8260B))~~	EDC (8260B)	~~EDB (8011)~~ 8260B	Total Lead (6020)	PCBs (8082)	~~PAHs (8270C SIM)~~ cPAH 8270C	~~VOCs Full List (8260B)~~ HVOC	Pest (8080)	NWTPH-VPH	NWTPH-EPH	n-Hexane (~~8015B~~) 8260B	Naphthalene 8260B	TEMPERATURE ON RECEIPT C°	Container PID Readings or Laboratory Notes
~	SD-060493-100813-AS-SB-6-4'	10/8/13	0955	Soil						13	X	X	X	X	X	X	X	X	X	X							PID = 125.5
~	SD-060493-100813-AS-SB-7-2'	↑	1205	↓						6	X	X	X													Loc: 490	115.4
~	SD-060493-100813-AS-SB-7-4'		1215							6	X	X	X													37356	62.5
~	SD-060493-100813-AS-SB-7-8'		1230							6	X	X	X														1,370
~	SD-060493-100813-AS-SB-7-11.5'		1245							12	X	X	X						X	X		X	X	X	X		1,867 ✓

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Andrea Schweiter CRA	FedEx	10/8/13	
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	TAN 4.6	10-9-13	08:15
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

05/2/06 Revision

10/23/2013

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 490-37356-1

Login Number: 37356

List Source: TestAmerica Nashville

List Number: 1

Creator: Ford, Easton

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

Appendix D

Waste Disposal Documentation

CONESTOGA-ROVERS & ASSOCIATES
Waste Services

6520 Corporate Drive
Indianapolis, Indiana 46278
Telephone: (317) 291-7007 Fax: (317) 328-2666
www.CRAworld.com

PROJECT SUMMARY

TO:	Michael Q. Lam	REF. NO:	060493-2013-02
FROM:	Brandon Barlow/mc/ BTB	DATE:	February 14, 2014
CC:			

RE: Shell RIPR 100066 / WR1379 for Seattle, WA - Disposal of Soil Drum(s)

This summary is for: ☑ Waste Pick-up/ Disposal ☐ Price Quote/Estimate

GENERATOR/SITE INFORMATION

SAP No.: 120877 Facility Name: Shell OPUS

Location: 210 NE 45th st.
Seattle, WA 98105

WASTESTREAM INFORMATION

Profile: 350039-07 Non-Hazardous Soil

SHIPPING INFORMATION

1st Transporter: Burlington Environmental, Inc.

DISPOSAL FACILITY INFORMATION

Manifest No.:	000079633DAT	Ship Date:	11/21/13
Facility:	Burlington Environmental Services	Received Date:	11/25/13
Location:	20245 77th Avenue South Kent, WA 98032		

ATTACHMENTS

Package Checklist	☑	RIPR	☑
Waste Manifest(s)/Bill(s) of Lading	☑	Certificate of Recycling (COR)	☐
Certificate of Treatment (COT)	☐	Certificate of Destruction (COD)	☐
Vendor Profile Approval	☑	Analytical Data	☑
Other: _____	☐		

NON-HAZARDOUS RESIDUAL COMPLETED PACKAGE CHECKLIST

RIPR # 100066

Consultant Company Name: Conestoga-Rovers & Associates

Consultant Contact Name: Derek R. Eisman

Consultant Phone Number: 317-291-7007

Date Package Completed: 2/14/14

Date Package Sent to RDC: 2/21/14

No. Of Loads/Containers Shipped: 3247 Pounds

1. Final Original Copy of **Manifest** and **LDR** (If one or all originals are not available please obtain a copy from the TSDF and submit in place of the original manifest with a written explanation of why the original is not included in the package.

2. Analytical Package (When Applicable)

    A. Analytical Results
    B. Signed Coversheet from Lab
    C. Chain of Custody with all signatures

3. Profile that was completed for acceptance into the TSDF. (If Applicable)
    A. Include proof of profile approval. (Letter, Approval #, etc…)

Package completed by Derek R Eisman
(Signature)

Printed Name Derek R Eisman

Shell Pipeline Company LP

Residual Information Pick-Up Request (RIPR)

RDC: ROBERT BILLECK **RIPR Date** 10/14/2013 **RIPR #** 100066

Engineer: PINEDA, PERRY **Phone / Fax:** 925/957-0203 / 9259570903

Facility / SAP Cost Center: 120877 **Region/Dist/Area:** **Address:** 210 NE 45TH ST
SEATTLE, WA 98105-0000
County: KING

Remediation: YES **SAP Cost Element:** 276501 **Incident #:** 91880622 **Send Copies: Reimb. Invoice** NO **Direct Pay:** NO
Other Info:
Company:
Contact:

Consultant / Contractor Information
Company: CONESTOGA-ROVERS & ASSOCS. **Contact:** BARLOW, BRANDON **Address:** 6520 CORPORATE DR
INDIANAPOLIS, IN 46278
Type of Facility: SHELL **Phone / Fax:** 3172917034 / 3173282666

Material Description **Free Liquids:** NO
SOIL

Process Generating this Residual
DRILLING

Accumulation Date: 10/08/2013 **Sampling Date (if applicable):** 10/08/2013

Container Information:
Drums: Quantity / Type: 4 55 GALLON DM
Id #: D-1B, D-1C, D-1D, D-2A
Bins: Quantity / Size:
Supplied by:
Bulk Pile: Indicator / Size: NO

Other Container:
Volume: **Container Description:**
Contents/Prev. Contents:

Requirements or conditions associated with pick-up:

Comments or suggestions for local vendor:

Form Filled Out by:

Name: BARLOW, BRANDON **Date** 10/14/2013
Email: BBARLOW@CRAWORLD.COM **Phone / Fax:** 3172917034 / 3173282666

955458-13 1734963

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	WAD988483368	1	(800) 424-9300	000079633 DAT

5. Generator's Name and Mailing Address

SHELL OIL PRODUCTS US ONE SHELL PLAZA
910 LOUISIANA ST. (ROOM 555)
HOUSTON TX 77002 (713)241-7008
Generator's Phone:

Generator's Site Address (if different than mailing address)

EQUILON ENT LLC/DBA SHELL OIL PRODUCTS US, CC# 120877
210 NE 45th
SEATTLE WA 98105 (713)241-7008

6. Transporter 1 Company Name — **U.S. EPA ID Number**

BURLINGTON ENVIRONMENTAL, LLC — WAR000001743

7. Transporter 2 Company Name — **U.S. EPA ID Number**

8. Designated Facility Name and Site Address — **U.S. EPA ID Number**

BURLINGTON ENVIRONMENTAL, LLC. KENT FACILITY
20245 77TH AVENUE SOUTH
KENT, WA 98032 (253) 872-8030 — WAD991281767

Facility's Phone:

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit WL/Vol.	13. Waste Codes		
	1. SOIL WITH GASOLINE AND DIESEL, NON HAZARDOUS, NON-DOT REGULATED	5	DM	3247	P			
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information

(1) 350039-07 - NON HAZ SOIL&IPR#: 100066 & 100067 MAIL MANIFESTS TO ATTN: BRANDON BARLOW, CRA, 6520 CORPORATE DRIVE, INDIANAPOLIS, IN 46278.

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
Steve Rasmussen on behalf of SOPUS		11	21	13

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Joseph L Gonzales		11	21	13
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
~~H111~~ H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name	Signature	Month	Day	Year
Christine Crisostomo		11	25	13

GENERATOR — TRANSPORTER — INTL — DESIGNATED FACILITY

14572

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

'13 NOV 25 PM 11:24

Generator's Waste Profile 350039-07

Printed: 05 DEC 2013
Starts : 01 AUG 2013
Expires: 31 AUG 2014

Status : ACTIVE
Sales Rep 3534 Brandy Stewart
Acct Mngr 949 Stacy Toristoja

A: GENERATOR (11114) SITE INFORMATION

EQUILON ENT LLC/DBA SHELL OIL PRODUCTS US,
7655 Sunset Hwy SE
MERCER ISLAND, WA 98040-0000
> **Contact** RAY WALDING
TSDF Approval List No

EPA WAD988503876
NAICS 5541 **Neshap** N
Phone (713) 241-7008

B: CUSTOMER (14595) INFORMATION

SHELL OIL PRODUCTS US OSP 2660-A
P.O. BOX 4912
HOUSTON, TX 77210-4912

C: WASTE INFORMATION

On File > **MSDS** No **Analysis** No **Sample** No

Waste Name NON HAZ SOIL
Process FACILITY SITE WORK
Unused Commercial Product No **Spill Residue** No

D: PHYSICAL CHARACTERISTICS OF WASTE

Phys States S-Sol
Top Color DARK
Mid Color
Bot Color
% Ash
% Water
Odor None
Layers Single Phased
Spec Grav >1
BTU/Lbs
% Halogens
PH Range 4.1-12.3
Free Liq % 0-10%
Flash Test Gen Knowledge
Flash Rnge >200F
Viscosity High
Pumpable No

E: CHEMICAL COMPOSITION OF WASTE

SOIL WITH PPE (100 %)

PCB's NS **Cyanides** NS **Phenolics** NS **Sulfides** NS **Dioxins** NS
TOC <1% **VOC** <500 PPM **Information Provided By** Generator

F: METALS METHOD Total

Arsenic	<5	**Cadmium**	<1	**Chromium**	<5	**Silver**	<5
Barium	<100	**Lead**	<5	**Merc TCLP**	<0.2	**Selenium**	<1
Merc Tot		**Nickel**		**Thallium**		**Zinc**	
Copper		**Chrome-6**					

G: OTHER CHARACTERISTICS OF WASTE

Ign. Solid	No	**Oxidizer**	No	**Explosive**	No	**Shock Sensitive**	No	**Cyanide Reactive**	No	**Sulfide Reactive**	No
Explosive		**Asbestos**		**Radioactive**	No	**Water Reactive**	No	**Reactive (Other)**	No		
Herbicides	NS	**Pesticides**	NS	**Ammonia**	NS	**Infectious**	No	**Medical**	No		

H: EPA / STATE WASTE IDENTIFICATION

EPA Waste No **State Waste** No **TSCA** No **Waste Water** No **Universal Waste** No
Form W409 **Source** G16 **Origin** 1 **SubPart CC** No **NESHAPS** No **CERCLA** No **Debris** No **Reg. Organics** No

EPA Codes
State Codes
UHC
Categorical Discharge Standards No **CTW Category** N/A **DW/EHW:**

I: SHIPPING INFORMATION

Marine Pollutant No
Containers DT Dump Truck DM Metal Drum **Qty to Ship Now** 2 YARDS **Projected Volume**
DOT Descrip SOIL WITH GASOLINE AND DIESEL, NON HAZARDOUS, NON-DOT REGULATED

J: SPECIAL DISPOSAL INSTRUCTIONS

Waste Categs LF01 LFB01 STAB01

Generator's Waste Profile 350039-07

Printed: 05 DEC 2013
Starts : 01 AUG 2013
Expires: 31 AUG 2014

Status : ACTIVE
Sales Rep 3534 Brandy Stewart
Acct Mngr 949 Stacy Toristoja

GENERATOR CERTIFICATION

I hereby certify, as an authorized representative of the Generator named above, that Burlington Environmental, LLC has been fully informed of all information known about this waste, including but not limited to, the waste's generation process, composition, and physical characteristics, necessary to identify proper treatment and disposal of waste and this information is true and accurate.If this is an existing profile which is being renewed, I hereby certify that there have been no changes in this waste, chemical, physical, or regulatory designation since full characterization by sample testing.

Except as otherwise agreed to in writing between PSC Environmental Services, LLC (and/or its subsidiaries) and Customer, by signing in the space indicated below, you, on behalf of Customer, acknowledge that you have read and agree to the Standard Terms and Conditions located at http://www.pscnow.com/legal.aspx.

Signature	Printed Name	Title	Date

Burlington Environmental, LLC maintains the appropriate permits for and will accept the dangerous waste the generator is shipping as required by WAC 173-303-290(3).

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Tel: (615)726-0177

TestAmerica Job ID: 490-37345-1
Client Project/Site: 210 NE 45th St Seattle

For:
Conestoga-Rovers & Associates, Inc.
20818 44th Ave W
Suite 190
Lynnwood, Washington 98036

Attn: Michael Lam

Authorized for release by:
10/22/2013 8:35:47 AM

Ryan Fitzwater, Senior Project Manager
(615)726-0177
ryan.fitzwater@testamericainc.com

Table of Contents

Sample Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 210 NE 45th St Seattle

TestAmerica Job ID: 490-37345-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-37345-2	SO-060493-100813-AS-D-1	Solid	10/08/13 13:15	10/09/13 08:15
490-37345-3	SO-060493-100813-AS-D-2A	Solid	10/08/13 13:20	10/09/13 08:15

Job ID: 490-37345-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative
490-37345-1

Comments
No additional comments.

Receipt
The samples were received on 10/9/2013 8:15 AM; the samples arrived in good condition, properly preserved and, where required, on ice.
The temperature of the cooler at receipt was 4.6º C.

Organic Prep
No analytical or quality issues were noted.

Job ID: 490-37345-2

Laboratory: TestAmerica Nashville

Narrative

Job Narrative
490-37345-2

Comments
No additional comments.

Receipt
The samples were received on 10/9/2013 8:15 AM; the samples arrived in good condition, properly preserved and, where required, on ice.
The temperature of the cooler at receipt was 4.6º C.

GC/MS VOA
No analytical or quality issues were noted.

GC Semi VOA
No analytical or quality issues were noted.

Metals
Method(s) 7470A: The matrix spike / matrix spike duplicate (MS/MSD) percent recoveries and %RPD for batch 114031 were outside control limits. This is attributed to matrix interferences.

No other analytical or quality issues were noted.

Organic Prep
Method(s) 1311: The following sample(s) was composited by the laboratory as requested on the chain-of-custody: SO-060493-100813-AS-D-1 (490-37345-2).

No other analytical or quality issues were noted.

VOA Prep
No analytical or quality issues were noted.

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 210 NE 45th St Seattle

TestAmerica Job ID: 490-37345-1

Qualifiers

Metals

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

Glossary

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

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 210 NE 45th St Seattle

TestAmerica Job ID: 490-37345-1

Client Sample ID: SO-060493-100813-AS-D-1
Date Collected: 10/08/13 13:15
Date Received: 10/09/13 08:15

Lab Sample ID: 490-37345-2
Matrix: Solid
Percent Solids: 90.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00186		mg/Kg	☼	10/10/13 11:16	10/17/13 16:04	1
Ethylbenzene	ND		0.00186		mg/Kg	☼	10/10/13 11:16	10/17/13 16:04	1
Xylenes, Total	ND		0.00279		mg/Kg	☼	10/10/13 11:16	10/17/13 16:04	1
Toluene	ND		0.00186		mg/Kg	☼	10/10/13 11:16	10/17/13 16:04	1
GRO (C4-C12)	**0.346**		0.0929		mg/Kg	☼	10/10/13 11:16	10/17/13 16:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*10/10/13 11:16*	*10/17/13 16:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*	*10/10/13 11:16*	*10/17/13 16:04*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*	*10/10/13 11:16*	*10/17/13 16:04*	*1*
Dibromofluoromethane (Surr)	*105*		*70 - 130*	*10/10/13 11:16*	*10/17/13 16:04*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		4.98		mg/Kg	☼	10/12/13 12:01	10/14/13 21:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*62*		*50 - 150*	*10/12/13 12:01*	*10/14/13 21:44*	*1*
o-Terphenyl (Surr)	*62*		*50 - 150*	*10/12/13 12:01*	*10/14/13 21:44*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.500		mg/L		10/11/13 09:46	10/11/13 21:28	1
Barium	ND		10.0		mg/L		10/11/13 09:46	10/11/13 21:28	1
Cadmium	ND		0.100		mg/L		10/11/13 09:46	10/11/13 21:28	1
Chromium	ND		0.500		mg/L		10/11/13 09:46	10/11/13 21:28	1
Lead	**0.559**		0.500		mg/L		10/11/13 09:46	10/11/13 21:28	1
Selenium	ND		0.100		mg/L		10/11/13 09:46	10/11/13 21:28	1
Silver	ND		0.500		mg/L		10/11/13 09:46	10/11/13 21:28	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00200		mg/L		10/14/13 06:49	10/14/13 17:48	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**91**		0.10		%			10/10/13 10:46	1

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 210 NE 45th St Seattle

TestAmerica Job ID: 490-37345-1

Client Sample ID: SO-060493-100813-AS-D-2A
Date Collected: 10/08/13 13:20
Date Received: 10/09/13 08:15

Lab Sample ID: 490-37345-3
Matrix: Solid
Percent Solids: 91.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00218		mg/Kg	☼	10/10/13 11:16	10/17/13 16:31	1
Ethylbenzene	ND		0.00218		mg/Kg	☼	10/10/13 11:16	10/17/13 16:31	1
Xylenes, Total	ND		0.00326		mg/Kg	☼	10/10/13 11:16	10/17/13 16:31	1
Toluene	**0.00242**		0.00218		mg/Kg	☼	10/10/13 11:16	10/17/13 16:31	1
GRO (C4-C12)	**0.257**		0.109		mg/Kg	☼	10/10/13 11:16	10/17/13 16:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*10/10/13 11:16*	*10/17/13 16:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*	*10/10/13 11:16*	*10/17/13 16:31*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*	*10/10/13 11:16*	*10/17/13 16:31*	*1*
Dibromofluoromethane (Surr)	*101*		*70 - 130*	*10/10/13 11:16*	*10/17/13 16:31*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**16.1**		4.92		mg/Kg	☼	10/12/13 12:01	10/14/13 22:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*53*		*50 - 150*	*10/12/13 12:01*	*10/14/13 22:30*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.500		mg/L		10/11/13 09:46	10/11/13 21:31	1
Barium	ND		10.0		mg/L		10/11/13 09:46	10/11/13 21:31	1
Cadmium	ND		0.100		mg/L		10/11/13 09:46	10/11/13 21:31	1
Chromium	ND		0.500		mg/L		10/11/13 09:46	10/11/13 21:31	1
Lead	ND		0.500		mg/L		10/11/13 09:46	10/11/13 21:31	1
Selenium	ND		0.100		mg/L		10/11/13 09:46	10/11/13 21:31	1
Silver	ND		0.500		mg/L		10/11/13 09:46	10/11/13 21:31	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00200		mg/L		10/14/13 06:49	10/14/13 17:50	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**92**		0.10		%			10/10/13 10:46	1

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

Lab Sample ID: MB 490-114996/10
Matrix: Solid
Analysis Batch: 114996

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00200		mg/Kg			10/17/13 13:48	1
Ethylbenzene	ND		0.00200		mg/Kg			10/17/13 13:48	1
Xylenes, Total	ND		0.00300		mg/Kg			10/17/13 13:48	1
Toluene	ND		0.00200		mg/Kg			10/17/13 13:48	1
GRO (C4-C12)	ND		0.100		mg/Kg			10/17/13 13:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*10/17/13 13:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*		*10/17/13 13:48*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*10/17/13 13:48*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*		*10/17/13 13:48*	*1*

Lab Sample ID: LCS 490-114996/7
Matrix: Solid
Analysis Batch: 114996

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
GRO (C4-C12)			1.00	0.9200		mg/Kg		92	51 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*
Dibromofluoromethane (Surr)	*99*		*70 - 130*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 490-113912/1-A
Matrix: Solid
Analysis Batch: 114465

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113912

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		5.00		mg/Kg		10/12/13 12:01	10/15/13 17:21	1
Diesel Range Organics [C10-C28]	ND		5.00		mg/Kg		10/12/13 12:01	10/15/13 17:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*86*		*50 - 150*	*10/12/13 12:01*	*10/15/13 17:21*	*1*
o-Terphenyl (Surr)	*86*		*50 - 150*	*10/12/13 12:01*	*10/15/13 17:21*	*1*

Lab Sample ID: LCS 490-113912/2-A
Matrix: Solid
Analysis Batch: 114129

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113912

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]			40.0	34.47		mg/Kg		86	54 - 130		

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 490-113912/2-A
Matrix: Solid
Analysis Batch: 114130

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113912

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]			40.0	34.47		mg/Kg		86	54 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl (Surr)	*91*		*50 - 150*
o-Terphenyl (Surr)	*91*		*50 - 150*

Lab Sample ID: 490-37345-2 MS
Matrix: Solid
Analysis Batch: 114129

Client Sample ID: SO-060493-100813-AS-D-1
Prep Type: Total/NA
Prep Batch: 113912

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]	ND		39.1	28.27		mg/Kg	☼	60	10 - 142		
Diesel Range Organics [C10-C28]	ND		39.1	28.27		mg/Kg	☼	60	10 - 142		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
o-Terphenyl (Surr)	*84*		*50 - 150*
o-Terphenyl (Surr)	*84*		*50 - 150*

Lab Sample ID: 490-37345-2 MSD
Matrix: Solid
Analysis Batch: 114129

Client Sample ID: SO-060493-100813-AS-D-1
Prep Type: Total/NA
Prep Batch: 113912

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		39.4	25.01		mg/Kg	☼	51	10 - 142	12	47
Diesel Range Organics [C10-C28]	ND		39.4	25.01		mg/Kg	☼	51	10 - 142	12	47

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
o-Terphenyl (Surr)	*75*		*50 - 150*
o-Terphenyl (Surr)	*75*		*50 - 150*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 490-113620/1-A
Matrix: Solid
Analysis Batch: 114053

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113620

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.500		mg/L		10/11/13 09:46	10/11/13 20:30	1
Barium	ND		10.0		mg/L		10/11/13 09:46	10/11/13 20:30	1
Cadmium	ND		0.100		mg/L		10/11/13 09:46	10/11/13 20:30	1
Chromium	ND		0.500		mg/L		10/11/13 09:46	10/11/13 20:30	1
Lead	ND		0.500		mg/L		10/11/13 09:46	10/11/13 20:30	1
Selenium	ND		0.100		mg/L		10/11/13 09:46	10/11/13 20:30	1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MB 490-113620/1-A
Matrix: Solid
Analysis Batch: 114053

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 113620

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.500		mg/L		10/11/13 09:46	10/11/13 20:30	1

Lab Sample ID: LCS 490-113620/6-A
Matrix: Solid
Analysis Batch: 114053

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 113620

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	2.00	2.013		mg/L		101	80 - 120
Barium	20.0	21.86		mg/L		109	80 - 120
Cadmium	2.00	2.216		mg/L		111	80 - 120
Chromium	10.0	10.87		mg/L		109	80 - 120
Lead	10.0	11.05		mg/L		111	80 - 120
Selenium	2.00	2.134		mg/L		107	80 - 120
Silver	2.00	2.178		mg/L		109	80 - 120

Lab Sample ID: LCSD 490-113620/7-A
Matrix: Solid
Analysis Batch: 114053

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 113620

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	2.00	2.039		mg/L		102	80 - 120	1	20
Barium	20.0	22.43		mg/L		112	80 - 120	3	20
Cadmium	2.00	2.246		mg/L		112	80 - 120	1	20
Chromium	10.0	11.11		mg/L		111	80 - 120	2	20
Lead	10.0	11.09		mg/L		111	80 - 120	0	20
Selenium	2.00	2.129		mg/L		106	80 - 120	0	20
Silver	2.00	2.226		mg/L		111	80 - 120	2	20

Lab Sample ID: LB 490-113356/1-B LB
Matrix: Solid
Analysis Batch: 114053

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 113620

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.500		mg/L		10/11/13 09:46	10/11/13 20:41	1
Barium	ND		10.0		mg/L		10/11/13 09:46	10/11/13 20:41	1
Cadmium	ND		0.100		mg/L		10/11/13 09:46	10/11/13 20:41	1
Chromium	ND		0.500		mg/L		10/11/13 09:46	10/11/13 20:41	1
Lead	ND		0.500		mg/L		10/11/13 09:46	10/11/13 20:41	1
Selenium	ND		0.100		mg/L		10/11/13 09:46	10/11/13 20:41	1
Silver	ND		0.500		mg/L		10/11/13 09:46	10/11/13 20:41	1

Lab Sample ID: LB 490-113485/1-B LB
Matrix: Solid
Analysis Batch: 114053

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 113620

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.500		mg/L		10/11/13 09:46	10/11/13 20:37	1
Barium	ND		10.0		mg/L		10/11/13 09:46	10/11/13 20:37	1
Cadmium	ND		0.100		mg/L		10/11/13 09:46	10/11/13 20:37	1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LB 490-113485/1-B LB
Matrix: Solid
Analysis Batch: 114053

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 113620

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.500		mg/L		10/11/13 09:46	10/11/13 20:37	1
Lead	ND		0.500		mg/L		10/11/13 09:46	10/11/13 20:37	1
Selenium	ND		0.100		mg/L		10/11/13 09:46	10/11/13 20:37	1
Silver	ND		0.500		mg/L		10/11/13 09:46	10/11/13 20:37	1

Lab Sample ID: 490-37068-F-1-G MS
Matrix: Solid
Analysis Batch: 114053

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 113620

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	ND		2.00	2.156		mg/L		108	75 - 125
Barium	ND		20.0	23.08		mg/L		107	75 - 125
Cadmium	ND		2.00	2.198		mg/L		110	75 - 125
Chromium	ND		10.0	10.67		mg/L		107	75 - 125
Lead	ND		10.0	11.11		mg/L		109	75 - 125
Selenium	ND		2.00	2.164		mg/L		108	75 - 125
Silver	ND		2.00	2.168		mg/L		108	75 - 125

Lab Sample ID: 490-37068-F-1-H MSD
Matrix: Solid
Analysis Batch: 114053

Client Sample ID: Matrix Spike Duplicate
Prep Type: TCLP
Prep Batch: 113620

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	ND		2.00	2.093		mg/L		105	75 - 125	3	20
Barium	ND		20.0	22.88		mg/L		106	75 - 125	1	20
Cadmium	ND		2.00	2.186		mg/L		109	75 - 125	1	20
Chromium	ND		10.0	10.63		mg/L		106	75 - 125	0	20
Lead	ND		10.0	11.12		mg/L		110	75 - 125	0	20
Selenium	ND		2.00	2.187		mg/L		109	75 - 125	1	20
Silver	ND		2.00	2.169		mg/L		108	75 - 125	0	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 490-114031/1-A
Matrix: Solid
Analysis Batch: 114288

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 114031

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00200		mg/L		10/14/13 06:49	10/14/13 17:20	1

Lab Sample ID: LCS 490-114031/6-A
Matrix: Solid
Analysis Batch: 114288

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 114031

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.0200	0.01611		mg/L		81	80 - 120

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LB 490-113356/1-D LB
Matrix: Solid
Analysis Batch: 114288

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 114031

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00200		mg/L		10/14/13 06:49	10/14/13 17:22	1

Lab Sample ID: LB 490-113485/1-C LB
Matrix: Solid
Analysis Batch: 114288

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 114031

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00200		mg/L		10/14/13 06:49	10/14/13 17:26	1

Lab Sample ID: 490-37175-D-1-F MS
Matrix: Solid
Analysis Batch: 114288

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 114031

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	ND		0.0200	0.006646	F	mg/L		33	75 - 125		

Lab Sample ID: 490-37175-D-1-G MSD
Matrix: Solid
Analysis Batch: 114288

Client Sample ID: Matrix Spike Duplicate
Prep Type: TCLP
Prep Batch: 114031

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.0200	0.008801	F	mg/L		44	75 - 125	28	20

Method: Moisture - Percent Moisture

Lab Sample ID: 490-37342-A-2 DU
Matrix: Solid
Analysis Batch: 113290

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Solids	88			88		%				0.5	20

GC/MS VOA

Prep Batch: 113343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37345-2	SO-060493-100813-AS-D-1	Total/NA	Solid	5030B	
490-37345-3	SO-060493-100813-AS-D-2A	Total/NA	Solid	5030B	

Analysis Batch: 114996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37345-2	SO-060493-100813-AS-D-1	Total/NA	Solid	8260B	113343
490-37345-3	SO-060493-100813-AS-D-2A	Total/NA	Solid	8260B	113343
LCS 490-114996/7	Lab Control Sample	Total/NA	Solid	8260B	
MB 490-114996/10	Method Blank	Total/NA	Solid	8260B	

GC Semi VOA

Prep Batch: 113912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37345-2	SO-060493-100813-AS-D-1	Total/NA	Solid	3550B	
490-37345-2 MS	SO-060493-100813-AS-D-1	Total/NA	Solid	3550B	
490-37345-2 MSD	SO-060493-100813-AS-D-1	Total/NA	Solid	3550B	
490-37345-3	SO-060493-100813-AS-D-2A	Total/NA	Solid	3550B	
LCS 490-113912/2-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 490-113912/1-A	Method Blank	Total/NA	Solid	3550B	

Analysis Batch: 114129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37345-2	SO-060493-100813-AS-D-1	Total/NA	Solid	8015B	113912
490-37345-2 MS	SO-060493-100813-AS-D-1	Total/NA	Solid	8015B	113912
490-37345-2 MSD	SO-060493-100813-AS-D-1	Total/NA	Solid	8015B	113912
490-37345-3	SO-060493-100813-AS-D-2A	Total/NA	Solid	8015B	113912
LCS 490-113912/2-A	Lab Control Sample	Total/NA	Solid	8015B	113912

Analysis Batch: 114130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37345-2	SO-060493-100813-AS-D-1	Total/NA	Solid	8015B	113912
490-37345-2 MS	SO-060493-100813-AS-D-1	Total/NA	Solid	8015B	113912
490-37345-2 MSD	SO-060493-100813-AS-D-1	Total/NA	Solid	8015B	113912
LCS 490-113912/2-A	Lab Control Sample	Total/NA	Solid	8015B	113912

Analysis Batch: 114465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 490-113912/1-A	Method Blank	Total/NA	Solid	8015B	113912

Analysis Batch: 114466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 490-113912/1-A	Method Blank	Total/NA	Solid	8015B	113912

Metals

Leach Batch: 113356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37068-F-1-G MS	Matrix Spike	TCLP	Solid	1311	
490-37068-F-1-H MSD	Matrix Spike Duplicate	TCLP	Solid	1311	

Metals (Continued)

Leach Batch: 113356 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37175-D-1-F MS	Matrix Spike	TCLP	Solid	1311	
490-37175-D-1-G MSD	Matrix Spike Duplicate	TCLP	Solid	1311	
LB 490-113356/1-B LB	Method Blank	TCLP	Solid	1311	
LB 490-113356/1-D LB	Method Blank	TCLP	Solid	1311	

Leach Batch: 113485

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37345-2	SO-060493-100813-AS-D-1	TCLP	Solid	1311	
490-37345-3	SO-060493-100813-AS-D-2A	TCLP	Solid	1311	
LB 490-113485/1-B LB	Method Blank	TCLP	Solid	1311	
LB 490-113485/1-C LB	Method Blank	TCLP	Solid	1311	

Prep Batch: 113620

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37068-F-1-G MS	Matrix Spike	TCLP	Solid	3010A	113356
490-37068-F-1-H MSD	Matrix Spike Duplicate	TCLP	Solid	3010A	113356
490-37345-2	SO-060493-100813-AS-D-1	TCLP	Solid	3010A	113485
490-37345-3	SO-060493-100813-AS-D-2A	TCLP	Solid	3010A	113485
LB 490-113356/1-B LB	Method Blank	TCLP	Solid	3010A	113356
LB 490-113485/1-B LB	Method Blank	TCLP	Solid	3010A	113485
LCS 490-113620/6-A	Lab Control Sample	Total/NA	Solid	3010A	
LCSD 490-113620/7-A	Lab Control Sample Dup	Total/NA	Solid	3010A	
MB 490-113620/1-A	Method Blank	Total/NA	Solid	3010A	

Prep Batch: 114031

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37175-D-1-F MS	Matrix Spike	TCLP	Solid	7470A	113356
490-37175-D-1-G MSD	Matrix Spike Duplicate	TCLP	Solid	7470A	113356
490-37345-2	SO-060493-100813-AS-D-1	TCLP	Solid	7470A	113485
490-37345-3	SO-060493-100813-AS-D-2A	TCLP	Solid	7470A	113485
LB 490-113356/1-D LB	Method Blank	TCLP	Solid	7470A	113356
LB 490-113485/1-C LB	Method Blank	TCLP	Solid	7470A	113485
LCS 490-114031/6-A	Lab Control Sample	Total/NA	Solid	7470A	
MB 490-114031/1-A	Method Blank	Total/NA	Solid	7470A	

Analysis Batch: 114053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37068-F-1-G MS	Matrix Spike	TCLP	Solid	6010B	113620
490-37068-F-1-H MSD	Matrix Spike Duplicate	TCLP	Solid	6010B	113620
490-37345-2	SO-060493-100813-AS-D-1	TCLP	Solid	6010B	113620
490-37345-3	SO-060493-100813-AS-D-2A	TCLP	Solid	6010B	113620
LB 490-113356/1-B LB	Method Blank	TCLP	Solid	6010B	113620
LB 490-113485/1-B LB	Method Blank	TCLP	Solid	6010B	113620
LCS 490-113620/6-A	Lab Control Sample	Total/NA	Solid	6010B	113620
LCSD 490-113620/7-A	Lab Control Sample Dup	Total/NA	Solid	6010B	113620
MB 490-113620/1-A	Method Blank	Total/NA	Solid	6010B	113620

Analysis Batch: 114288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37175-D-1-F MS	Matrix Spike	TCLP	Solid	7470A	114031
490-37175-D-1-G MSD	Matrix Spike Duplicate	TCLP	Solid	7470A	114031

Metals (Continued)

Analysis Batch: 114288 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37345-2	SO-060493-100813-AS-D-1	TCLP	Solid	7470A	114031
490-37345-3	SO-060493-100813-AS-D-2A	TCLP	Solid	7470A	114031
LB 490-113356/1-D LB	Method Blank	TCLP	Solid	7470A	114031
LB 490-113485/1-C LB	Method Blank	TCLP	Solid	7470A	114031
LCS 490-114031/6-A	Lab Control Sample	Total/NA	Solid	7470A	114031
MB 490-114031/1-A	Method Blank	Total/NA	Solid	7470A	114031

General Chemistry

Analysis Batch: 113290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-37332-A-2 MS	Matrix Spike	Total/NA	Solid	Moisture	
490-37332-A-2 MSD	Matrix Spike Duplicate	Total/NA	Solid	Moisture	
490-37342-A-2 DU	Duplicate	Total/NA	Solid	Moisture	
490-37345-2	SO-060493-100813-AS-D-1	Total/NA	Solid	Moisture	
490-37345-3	SO-060493-100813-AS-D-2A	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 210 NE 45th St Seattle

TestAmerica Job ID: 490-37345-1

Client Sample ID: SO-060493-100813-AS-D-1

Lab Sample ID: 490-37345-2

Date Collected: 10/08/13 13:15
Matrix: Solid
Date Received: 10/09/13 08:15
Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			113343	10/10/13 11:16	JLP	TAL NSH
Total/NA	Analysis	8260B		1	114996	10/17/13 16:04	SNR	TAL NSH
Total/NA	Analysis	8015B		1	114129	10/14/13 21:44	GMH	TAL NSH
Total/NA	Prep	3550B			113912	10/12/13 12:01	LP	TAL NSH
Total/NA	Analysis	8015B		1	114130	10/14/13 21:44	JML	TAL NSH
TCLP	Leach	1311			113485	10/10/13 15:06	SJM	TAL NSH
TCLP	Prep	3010A			113620	10/11/13 09:46	NLI	TAL NSH
TCLP	Analysis	6010B		1	114053	10/11/13 21:28	DEB	TAL NSH
TCLP	Leach	1311			113485	10/10/13 15:06	SJM	TAL NSH
TCLP	Prep	7470A			114031	10/14/13 06:49	LTB	TAL NSH
TCLP	Analysis	7470A		1	114288	10/14/13 17:48	LTB	TAL NSH
Total/NA	Analysis	Moisture		1	113290	10/10/13 10:46	RRS	TAL NSH

Client Sample ID: SO-060493-100813-AS-D-2A

Lab Sample ID: 490-37345-3

Date Collected: 10/08/13 13:20
Matrix: Solid
Date Received: 10/09/13 08:15
Percent Solids: 91.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			113343	10/10/13 11:16	JLP	TAL NSH
Total/NA	Analysis	8260B		1	114996	10/17/13 16:31	SNR	TAL NSH
Total/NA	Prep	3550B			113912	10/12/13 12:01	LP	TAL NSH
Total/NA	Analysis	8015B		1	114129	10/14/13 22:30	GMH	TAL NSH
TCLP	Leach	1311			113485	10/10/13 15:06	SJM	TAL NSH
TCLP	Prep	3010A			113620	10/11/13 09:46	NLI	TAL NSH
TCLP	Analysis	6010B		1	114053	10/11/13 21:31	DEB	TAL NSH
TCLP	Leach	1311			113485	10/10/13 15:06	SJM	TAL NSH
TCLP	Prep	7470A			114031	10/14/13 06:49	LTB	TAL NSH
TCLP	Analysis	7470A		1	114288	10/14/13 17:50	LTB	TAL NSH
Total/NA	Analysis	Moisture		1	113290	10/10/13 10:46	RRS	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Method Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 210 NE 45th St Seattle

TestAmerica Job ID: 490-37345-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NSH
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL NSH
6010B	Metals (ICP)	SW846	TAL NSH
7470A	Mercury (CVAA)	SW846	TAL NSH
Moisture	Percent Moisture	EPA	TAL NSH

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Certification Summary

Client: Conestoga-Rovers & Associates, Inc.
Project/Site: 210 NE 45th St Seattle

TestAmerica Job ID: 490-37345-1

Laboratory: TestAmerica Nashville

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Washington	State Program	10	C789	07-19-14

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FORM

490-37345 Chain of Custody

Cooler Received/Opened On : 10/9/2013 @ 0815

Tracking # 7200 (last 4 digits, FedEx)

Courier: Fed-ex IR Gun : 12080142

1. Temperature of rep. sample or temp blank when opened: 4.6 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO (NA)

4. Were custody seals on outside of cooler? (YES)...NO...NA

If yes, how many and where: Front

5. Were the seals intact, signed, and dated correctly? (YES)...NO...NA

6. Were custody papers inside cooler? (YES)...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES (NO) and Intact YES NO (NA)

Were these signed and dated correctly? YES...NO...(NA)

8. Packing mat'l used? (Bubblewrap) Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: (Ice) Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? (YES)...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? (YES)...NO...NA

12. Did all container labels and tags agree with custody papers? (YES)...NO...NA

13a. Were VOA vials received? YES...(NO)...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...(NA)

14. Was there a Trip Blank in this cooler? YES...(NO)...NA If multiple coolers, sequence # NA

I certify that I unloaded the cooler and answered questions 7-14 (intial) PS

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...(NA)

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...(NA)

16. Was residual chlorine present? YES...NO...(NA)

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) PS

17. Were custody papers properly filled out (ink, signed, etc)? (YES)...NO...NA

18. Did you sign the custody papers in the appropriate place? (YES)...NO...NA

19. Were correct containers used for the analysis requested? (YES)...NO...NA

20. Was sufficient amount of sample sent in each container? (YES)...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) PRS

I certify that I attached a label with the unique LIMS number to each container (intial) PS

21. Were there Non-Conformance issues at login? YES...(NO) Was a NCM generated? YES...(NO)...#_____

BIS = Broken in shipment

Shell Oil Products Chain Of Custody Record

10/22/2013

LAB (LOCATION)
- ☐ CALSCIENCE (_____)
- ☐ SPL (Houston)
- ☐ XENCO (_____)
- ☒ TEST AMERICA (Nashville)
- ☐ OTHER (_____)

Please Check Appropriate Box: ☐ ENV. SERVICES ☐ MOTIVA RETAIL ☐ SHELL RETAIL ☐ MOTIVA SD&CM ☒ CONSULTANT ☐ LUBES ☐ SHELL PIPELINE ☐ OTHER

Print Bill To Contact Name:

INCIDENT # (ENV SERVICES): 9 1 8 0 6 2 2 ☐ CHECK IF NO INCIDENT # APPLIES

DATE: 10/8/13

PO #:

SAP #: 1 2 0 8 7 7

PAGE: 1 of 1

SAMPLING COMPANY: Conestoga-Rovers & Associates	LOG CODE: NA	SITE ADDRESS: Street and City: 210 NE 45th St Seattle	State: WA / GLOBAL ID NO.: NA
ADDRESS: 20818 44th Ave W., Suite 190, Lynnwood, WA 98036		EDF DELIVERABLE TO (Name, Company, Office Location): NA	PHONE NO.: NA / E-MAIL: NA / CONSULTANT PROJECT NO.: 060493
PROJECT CONTACT (Hardcopy or PDF Report to): Michael Lam		SAMPLER NAME(S) (Print): Andrea Schweiter	LAB USE ONLY
TELEPHONE: 425-563-6500	FAX: 425-563-6599	E-MAIL: mlam@craworld.com	

TURNAROUND TIME (CALENDAR DAYS): ☒ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :

TCLP benzene required if benzene ≥ 10 mg/kg

Marked TAT except for those contingent tests needed for Aquatic Bioassay determination (5 day TAT or better may apply)

cc: Derek Eisman, Deisman@craworld.com and Shell.Lab.Billing@craworld.com

☒ SHELL CONTRACT RATE APPLIES ☐ STATE REIMBURSEMENT RATE APPLIES ☐ EDD NOT NEEDED ☒ RECEIPT VERIFICATION REQUESTED

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	PAHs (8270c)	TCLP: As, Ba, Cd, Cr, Pb, Hg, Se, Ag (6010B or 6020)	PCBs (8082)	TRPH (418.1)				TEMPERATURE ON RECEIPT C° / Container PID Readings or Laboratory Notes
1/2	SO-060493-100813-AS-D-1A	10/8/13	1300	Soil						1	X	X	X												X						*
	SO-060493-100813-AS-D-1B		1305							1	X	X	X												X						*
	SO-060493-100813-AS-D-1C		1310							1	X	X	X												X						*
	SO-060493-100813-AS-D-1D		1315							1	X	X	X												X						*
3	SO-060493-100813-AS-D-2A		1320							1	X	X	X												X						

Loc: 490 37345

Relinquished by: (Signature) Andrea Schweiter, CRA	Received by: (Signature) Fedex	Date: 10/8/13	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date: 10/9/13	Time: 0815
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

09/06/11 Revision

* Please composite D-1A, D-1B, D-1C, & D-1D and call D-1

Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Job Number: 490-37345-1

Login Number: 37345

List Source: TestAmerica Nashville

List Number: 1

Creator: Buckingham, Paul

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