CONESTOGA-ROVERS & ASSOCIATES

526 Commerce Center - Building B
1420 80th Street SW, Suite A
Everett, Washington 98203
Telephone: (425) 212-5100 Fax: (425) 212-5199
www.CRAworld.com

TRANSMITTAL

DATE: December 5, 2011

REFERENCE NO.: 241809

PROJECT NAME: 11700 NE 160th St, Bothell, WA

TO: Department of Ecology - NWRO
Attn: Libby Goldstein
3190 160th Ave. SE
Bellevue, WA 98008-5452

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

Sent via:
- ☒ Mail
- ☐ Overnight Courier
- ☐ Same Day Courier
- ☒ Other Livelink

QUANTITY	DESCRIPTION
1	2011 Annual Groundwater Monitoring Report

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

COMMENTS:

Copy to: Mr. Perry Pineda, Shell Oil Products US (Livelink)

Completed by: Jing Song [Please Print] Signed:

Filing: **Correspondence File**

2011 ANNUAL GROUNDWATER MONITORING REPORT

SHELL-BRANDED WHOLESALE FACILITY
11700 NORTHEAST 160th STREET
BOTHELL, WASHINGTON

SAP CODE	120531
INCIDENT NO.	92995017
AGENCY NO.	63265631
VCP NO.	NW2053

Prepared by:
Conestoga-Rovers & Associates

20818 44th Avenue West,
Suite 190
Lynnwood, Washington
U.S.A. 98036

Office: 425-563-6500
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DECEMBER 5, 2011
REF. NO. 241809 (10)
This report is printed on recycled paper.

2011 ANNUAL GROUNDWATER MONITORING REPORT

SHELL-BRANDED WHOLESALE FACILITY
11700 NORTHEAST 160th STREET
BOTHELL, WASHINGTON

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Jing Song

Christina McClelland

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1.0 INTRODUCTION

Conestoga-Rovers & Associates (CRA) prepared this report on behalf of Equilon Enterprises LLC dba Shell Oil Products US (SOPUS). This annual report includes all groundwater monitoring data collected in 2011.

1.1 SITE INFORMATION

Site Address	11700 Northeast 160th Street, Bothell, Washington
Site Use	Shell-Branded Wholesale Facility
Shell Project Manager	Perry Pineda
CRA Project Manager	Christina McClelland
Lead Agency and Contact	WDOE, Libby Goldstein
Agency Case No.	63265631
Shell SAP Code:	120531
Shell Incident No.	92995017
VCP No.	NW2053

The most recent agency correspondence on record is from May 31, 2011.

2.0 SITE ACTIVITIES, FINDINGS, AND DISCUSSION

2.1 CURRENT ACTIVITIES

Blaine Tech Services, Inc. (Blaine) gauged and sampled wells according to the established monitoring program for this site.

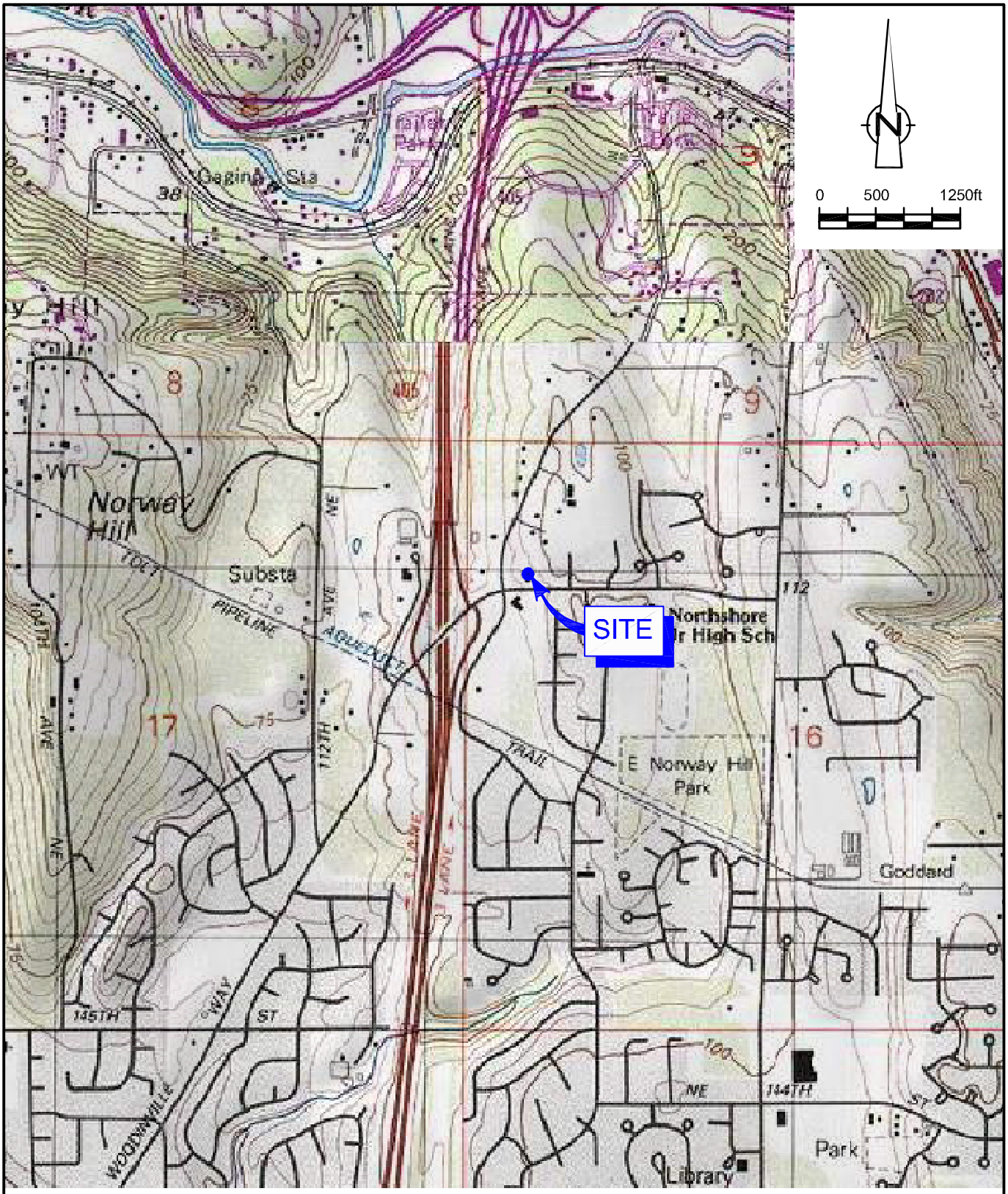
CRA prepared a vicinity map (Figure 1) and groundwater elevation and chemical concentration maps (Figures 2 and 3). CRA prepared Table 1 summarizing groundwater monitoring data and laboratory analytical results. Field forms and the laboratory analytical report are included as Appendices A and B.

2.2 FINDINGS

Quarter/Date	1st/ March 23, 2011
Groundwater Flow Direction	Groundwater is laterally discontinuous; no consistent flow direction
Hydraulic Gradient	N/A
Depth to Water	9.12 to 49.24 feet below top of well casing

Quarter/Date	3rd /September 12, 2011
Groundwater Flow Direction	Groundwater is laterally discontinuous; no consistent flow direction
Hydraulic Gradient	N/A
Depth to Water	9.91 to 49.61 feet below top of well casing

FIGURES



SOURCE: TOPO! MAPS.

figure 1

VICINITY MAP
SHELL-BRANDED WHOLESALE FACILITY
11700 NORTHEAST 160TH STREET
Bothell, Washington

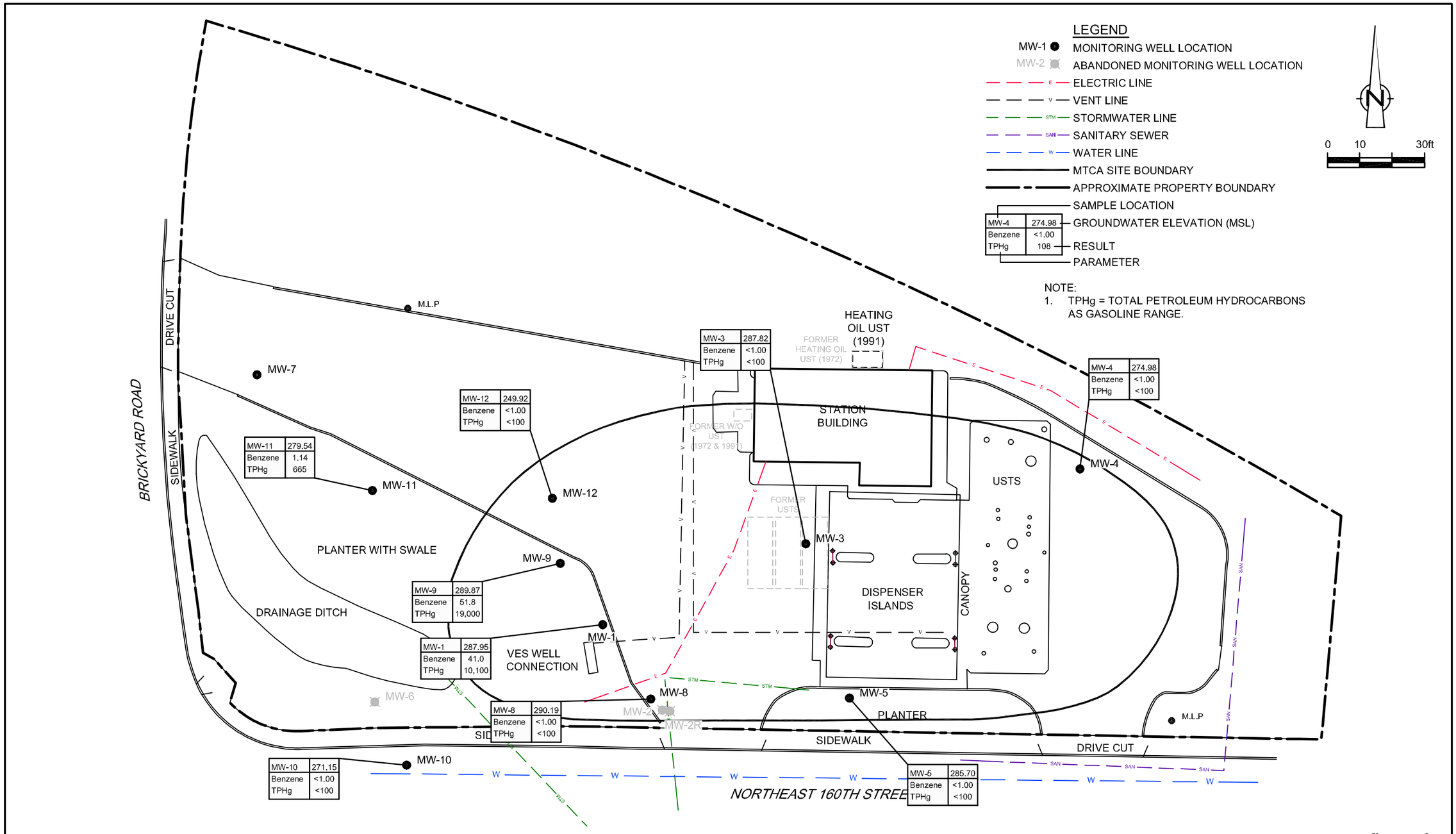


figure 2

GROUNDWATER ELEVATION AND CHEMICAL CONCENTRATION MAP - MARCH 23, 2011
SHELL-BRANDED WHOLESALE FACILITY
11700 NORTHEAST 160TH STREET
Bothell, Washington

BASEMAP MODIFIED FROM DRAWING PROVIDED BY STATEWIDE LAND SURVEYING INC.

241809-95(010)GN-WA001 NOV 02/2011

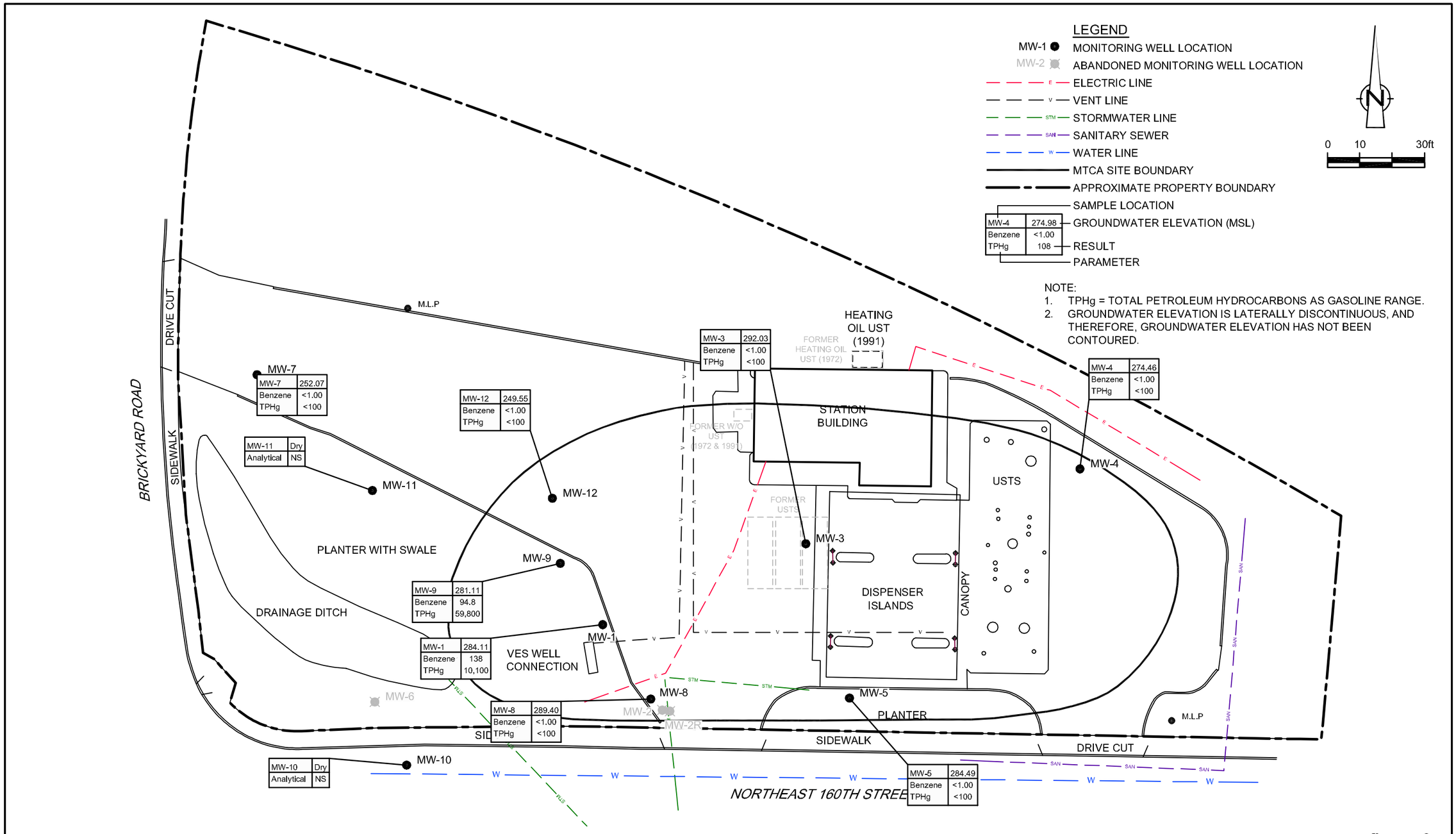


figure 3

GROUNDWATER ELEVATION AND CHEMICAL CONCENTRATION MAP - SEPTEMBER 12, 2011
SHELL-BRANDED WHOLESALE FACILITY
11700 NORTHEAST 160TH STREET
Bothell, Washington

BASEMAP MODIFIED FROM DRAWING PROVIDED BY STATEWIDE LAND SURVEYING INC.

241809-95(010)GN-WA002 NOV 02/2011

TABLES

TABLE 1

SUMMARY OF GROUNDWATER MONITORING DATA
SHELL-BRANDED WHOLESALE FACILITY
11700 NORTHEAST 160TH STREET
BOTHELL, WASHINGTON

					HYDROCARBONS			*PRIMARY VOCs*						*OXYGENATES*					*LEAD*		*PAHs*	
Sample ID	***Date***	***TOC***	***DTW***	***GWE***	***TPHg***	***TPHd***	***TPHo***	***B***	***T***	***E***	***X***	***EDB***	***EDC***	***MTBE***	***TBA***	***DIPE***	***ETBE***	***TAME***	***Total***	***Dissolved***	***Naphthalene***	***cPAHs***
Model Toxics Control Act Method A Cleanup Levels					800/1000	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	15	***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	02/07/94	94.91	13.45	81.46	**17,000**	---	---	**850**	**1,600**	460	**3,800**	---	---	---	---	---	---	---	5.3	---	---	---
MW-1[c]	02/07/94	94.91	13.45	81.46	**18,000**	---	---	**860**	**1,700**	470	**3,900**	---	---	---	---	---	---	---	---	---	---	---
MW-1	06/22/94	94.91	21.78	73.13	**55,000**	---	---	**1,200**	**7,100**	**2,800**	**13,000**	---	---	---	---	---	---	---	---	5.6	---	---
MW-1	09/19/94	94.91	17.64	77.27	**76,700**	---	---	**1,137**	**7,650**	**2,740**	**12,200**	---	---	---	---	---	---	---	---	3	---	---
MW-1	01/05/94	94.91	14.11	80.80	**27,000**	---	---	**240**	980	**1,400**	**6,000**	---	---	---	---	---	---	---	---	ND	---	---
MW-1[c]	01/05/94	94.91	14.11	80.80	**44,000**	---	---	**210**	**1,500**	**1,900**	**7,500**	---	---	---	---	---	---	---	---	---	---	---
MW-1	03/23/95	94.91	11.9	83.01	**26,000**	---	---	**190**	**1,200**	**1,600**	**5,500**	---	---	---	---	---	---	---	---	ND	---	---
MW-1	06/06/95	94.91	16.93	77.98	**40,000**	---	---	**730**	**3,800**	**2,700**	**11,000**	---	---	---	---	---	---	---	---	ND	---	---
MW-1	09/12/95	94.91	17.76	77.15	**86,000**	---	---	**1,000**	**6,500**	**3,100**	**13,000**	---	---	---	---	---	---	---	---	7	---	---
MW-1	12/05/95	94.91	10.48	84.43	**46,000**	---	---	**200**	**1,400**	**1,800**	**7,400**	---	---	---	---	---	---	---	---	3	---	---
MW-1	03/21/96	94.91	13.49	81.42	**64,000**	---	---	**340**	**2,800**	**2,600**	**9,800**	---	---	---	---	---	---	---	---	---	---	---
MW-1[c]	03/21/96	94.91	13.49	81.42	**64,000**	---	---	**300**	**2,600**	**2,500**	**9,300**	---	---	---	---	---	---	---	---	---	---	---
MW-1	06/17/96				Well inadvertently buried during site construction -- not measured																	
MW-1	09/23/96				Well inadvertently buried during site construction -- not measured																	
MW-1	12/16/96				Well inadvertently buried during site construction -- not measured																	
MW-1	06/27/97	91.10	15.15	75.95	**59,100**	---	---	**126**	**1,400**	**2,670**	**6,940**	---	---	---	---	---	---	---	---	---	---	---
MW-1[c]	06/27/97	91.10	15.15	75.95	**58,700**	---	---	**124**	**1,460**	**2,880**	**8,880**	---	---	---	---	---	---	---	---	---	---	---
MW-1	09/16/97	91.10	18.45	72.65	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	01/06/98	91.10	18.26	72.84	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-1	03/23/98	91.10	14.95	76.15	**47,300**	---	---	**160**	**1,000**	**1,660**	**6,260**	---	---	---	---	---	---	---	---	---	---	---
MW-1	06/20/98	91.10	16.52	74.58	**43,000**	---	---	**110**	474	**2,120**	**7,310**	---	---	---	---	---	---	---	---	---	---	---
MW-1	09/21/98	91.10	22.49	68.61	**37,200**	---	---	**678**	923	**2,150**	**7,120**	---	---	---	---	---	---	---	---	---	---	---
MW-1	12/16/98	91.10	15.08	76.02	**37,300**	---	---	**221**	790	**1,950**	**6,270**	---	---	---	---	---	---	---	---	---	---	---
MW-1	04/08/99	91.10	16.07	75.03	**33,200**	---	---	**86.9**	478	**1,650**	**5,600**	---	---	<500 e	---	---	---	---	---	---	---	---
MW-1	10/07/99	91.10	22.27	68.83	**42,200**	---	---	**586**	**1,690**	**2,210**	**6,880**	---	---	---	---	---	---	---	---	---	---	---
MW-1	03/21/00	91.10	16.74	74.36	**30,000**	---	---	**104**	310	**1,850**	**5,490**	---	---	---	---	---	---	---	---	---	---	---
MW-1	09/30/00	91.10	22.88	68.22	**22,700**	---	---	**590**	227	**1,760**	**3,500**	---	---	---	---	---	---	---	---	---	---	---
MW-1	02/03/01	91.10	18.57	72.53	**17,100**	---	---	**88.6**	143	**1,730**	**3,940**	---	---	<40.0 e	---	---	---	---	---	---	---	---
MW-1	07/10/01	91.10	18.92	72.18	**30,000**	---	---	**209**	309	**2,050**	**4,710**	---	---	<5.00	---	---	---	---	---	---	---	---
MW-1	02/25/02	91.10	14.35	76.75	**17,900**	---	---	**78.0**	84.1	**1,240**	**3,150**	---	---	---	---	---	---	---	---	---	---	---
MW-1	07/11/02	91.10	17.30	73.80	**32,000**	---	---	**92**	130	**1,700**	**2,800**	---	---	---	---	---	---	---	---	---	---	---
MW-1	01/02/03	91.10	21.07	70.03	**46,000**	---	---	**240**	180	**2,500**	**5,460**	---	---	---	---	---	---	---	---	---	---	---
MW-1	07/14/03	91.10	20.41	70.69	**38,000**	---	---	**320**	350	**2,200**	**5,550**	---	---	---	---	---	---	---	---	---	---	---
MW-1	01/23/04	91.10	16.45	74.65	**19,000**	---	---	**77**	<1	**880**	**1,855**	---	---	---	---	---	---	---	---	---	---	---
MW-1	07/23/04	91.10	20.84	70.26	**24,000**	---	---	**180**	250	**2,100**	**5,030**	---	---	---	---	---	---	---	---	---	---	---
MW-1	01/10/05	91.10	18.02	73.08	**12,000**	---	---	**76**	54	**880**	**1,638**	---	---	---	---	---	---	---	---	---	---	---
MW-1	07/15/05	91.10	17.20	73.90	**18,000**	---	---	**99**	66	**1,300**	**2,358**	---	---	---	---	---	---	---	---	---	---	---
MW-1	01/11/06	91.10	12.81	78.29	**11,800**	---	---	**74**	17.7	406	742	---	---	---	---	---	---	---	---	---	---	---
MW-1	02/15/07	91.10	16.00	75.10	**1,050**	---	---	**5.44**	4.09	28.2	83.4	---	---	<5.00	<50.0	<1.00	<1.00	<1.00	---	---	---	---
MW-1	09/11/07	91.10	17.44	73.66	**10,900 a,b**	---	---	**122**	144	**1,160**	**2,900**	---	---	---	---	---	---	---	---	---	---	---
MW-1	02/20/08	91.10	15.81	75.29	**15,500**	---	---	**59.4**	685	38.4	**1,360**	---	---	<5.00	<50.0	<1.00	<1.00	<1.00	---	---	---	---
MW-1	08/12/08	91.10	18.79	72.31	**14,000**	---	---	**170**	170	**2,100**	**6,350**	---	---	---	---	---	---	---	---	---	---	---
MW-1	02/04/09	91.10	15.11	75.99	**10,000**	---	---	**58**	42	630	**1,400**	---	---	<25 e	<250	<50	<50	<50	---	---	---	---
MW-1 *	08/13/09	299.53	18.80	280.73	**15,000**	**5,300 d**	<100	**190**	100	**900**	**2,500**	<0.010	<1.6	<10	<200	<10	<10	<10	1.71	---	**360**	<0.1
MW-1 g	02/05/10	299.53	14.14	285.39	**11,000**	**5,100 d**	<100	**60**	28	460	830	---	---	<1.0	<10	<2.0	<2.0	<2.0	---	---	**200**	---
MW-1 g	08/04/10	299.53	15.68	283.85	**10,000**	**6,200 d**	<100	**45**	22	200	430	---	---	---	---	---	---	---	---	---	**210**	---
MW-1	03/23/11	299.53	11.58	287.95	**10,100**	**1,780**	201	**41.0**	11.5	206	333	---	---	<1.00	<20.0	<1.00	<1.00	<1.00	---	---	47.9	---
MW-1	09/12/11	299.53	15.42	284.11	**10,100**	**2,290**	<248	**138**	33.4	255	686	---	---	---	---	---	---	---	---	---	58.5	---

TABLE 1

SUMMARY OF GROUNDWATER MONITORING DATA
SHELL-BRANDED WHOLESALE FACILITY
11700 NORTHEAST 160TH STREET
BOTHELL, WASHINGTON

					HYDROCARBONS			PRIMARY VOCs						OXYGENATES					LEAD		PAHs	
Sample ID	*Date*	*TOC*	*DTW*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*EDB*	*EDC*	*MTBE*	*TBA*	*DIPE*	*ETBE*	*TAME*	*Total*	*Dissolved*	*Naphthalene*	*cPAHs*
Model Toxics Control Act Method A Cleanup Levels					800/1000	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	15	***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-2	02/07/94	94.63	17.87	76.76	**4,200**	---	---	**230**	16	400	870	---	---	---	---	---	---	---	ND	---	---	---
MW-2	06/22/94	94.63	14.71	79.92	**4,300**	---	---	**180**	15	370	670	---	---	---	---	---	---	---	---	ND	---	---
MW-2	09/19/94	94.63	16.12	78.51	**1,650**	---	---	**79**	4.1	128	201	---	---	---	---	---	---	---	---	ND	---	---
MW-2	01/05/95	94.63	13.58	81.05	**1,900**	---	---	**85**	6.4	220	320	---	---	---	---	---	---	---	---	ND	---	---
MW-2	03/23/95	94.63	11.60	83.03	**1,500**	---	---	**74**	5.9	160	280	---	---	---	---	---	---	---	---	ND	---	---
MW-2	06/06/95	94.63	15.65	78.98	**2,800**	---	---	**154**	15	330	520	---	---	---	---	---	---	---	---	ND	---	---
MW-2	09/12/95	94.63	17.33	77.30	**2,300**	---	---	**70**	11	180	280	---	---	---	---	---	---	---	---	ND	---	---
MW-2	12/05/95	94.63	11.10	83.53	**1,300**	---	---	**41**	3.5	130	150	---	---	---	---	---	---	---	---	ND	---	---
MW-2	03/21/96	94.63	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-2	06/17/96	94.63	Well Destroyed During Widening of Northeast 160th Street																		---	---
MW-3	02/07/94	99.57	21.68	77.89	**2,500**	---	---	**220**	12	220	280.0	---	---	---	---	---	---	---	ND	---	---	---
MW-3	06/22/94	99.57	22.16	77.41	**5,300**	---	---	**270**	26	400	270.0	---	---	---	---	---	---	---	---	ND	---	---
MW-3[c]	06/22/94	99.57	22.16	77.41	**4,900**	---	---	**260**	23	400	250.0	---	---	---	---	---	---	---	---	---	---	---
MW-3	09/19/94	99.57	23.46	76.11	**1,340**	---	---	**158**	5.2	118	32.0	---	---	---	---	---	---	---	---	5	---	---
MW-3[c]	09/19/94	99.57	23.46	76.11	**1,300**	---	---	**150**	7.4	116	35.0	---	---	---	---	---	---	---	---	---	---	---
MW-3	01/05/95	99.57	22.72	76.85	**2,500**	---	---	**160**	15	180	120.0	---	---	---	---	---	---	---	---	ND	---	---
MW-3[c]	01/05/95	99.57	22.72	76.85	**2,000**	---	---	**130**	8	150	77.0	---	---	---	---	---	---	---	---	---	---	---
MW-3	03/23/95	99.57	21.82	77.75	**2,100**	---	---	**120**	13	150	84.0	---	---	---	---	---	---	---	---	ND	---	---
MW-3[c]	03/23/95	99.57	21.82	77.75	**2,200**	---	---	**120**	12	160	110.0	---	---	---	---	---	---	---	---	---	---	---
MW-3	06/06/95	99.57	22.20	77.37	**2,900**	---	---	**120**	34	190	210.0	---	---	---	---	---	---	---	---	ND	---	---
MW-3[c]	06/06/95	99.57	22.20	77.37	**3,100**	---	---	**130**	41	220	260.0	---	---	---	---	---	---	---	---	ND	---	---
MW-3	09/12/95	99.57	23.06	76.51	**1,300**	---	---	**62**	8.1	98	86.0	---	---	---	---	---	---	---	---	56	---	---
MW-3[c]	09/12/95	99.57	23.06	76.51	**1,300**	---	---	**61**	8.8	94	96.0	---	---	---	---	---	---	---	---	---	---	---
MW-3	12/05/95	99.57	22.24	77.33	**1,800**	---	---	**65**	7.7	95	90.0	---	---	---	---	---	---	---	---	---	---	---
MW-3	03/21/96	99.57	21.22	78.35	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	06/17/96	99.57	21.25	78.32	**3,920**	---	---	**121**	7.19	238	87.4	---	---	---	---	---	---	---	---	---	---	---
MW-3[c]	06/17/96	99.57	21.25	78.32	**4,290**	---	---	**87.5**	6.58	211	115.0	---	---	---	---	---	---	---	---	---	---	---
MW-3	09/23/96	99.57	22.83	76.74	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	12/16/96	99.57	22.66	76.91	**878**	---	---	**29.8**	1.1	49.5	7.6	---	---	---	---	---	---	---	---	---	---	---
MW-3[c]	12/16/96	99.57	22.66	76.91	**580**	---	---	**29.4**	1.6	41.9	7.3	---	---	---	---	---	---	---	---	---	---	---
MW-3	06/27/97	99.57	21.01	78.56	**3,580**	---	---	**42.5**	3.64	135	51.4	---	---	---	---	---	---	---	---	---	---	---
MW-3	09/16/97	99.57	21.80	77.77	**4,010**	---	---	**63.3**	4.06	171	74.6	---	---	---	---	---	---	---	---	---	---	---
MW-3	01/06/98	99.57	21.65	77.92	**1,160**	---	---	**30.3**	1.6	58.8	16.4	---	---	---	---	---	---	---	---	---	---	---
MW-3	03/23/98	99.57	26.65	72.92	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	06/20/98	99.57	21.65	77.92	**1,380**	---	---	**37.7**	2.86	67.6	18.4	---	---	---	---	---	---	---	---	---	---	---
MW-3	09/21/98	99.57	23.05	76.52	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-3	12/16/98	99.57	23.65	75.92	ND	---	---	**8.96**	0.907	ND	ND	---	---	---	---	---	---	---	---	---	---	---
MW-3	04/08/99	99.57	22.66	76.91	**959**	---	---	**12.7**	<1.40	19.0	15.1	---	---	<8.20	---	---	---	---	---	---	---	---
MW-3	10/07/99	99.57	24.27	75.30	<50.0	---	---	2.87	<0.5	<0.5	<1.0	---	---	---	---	---	---	---	---	---	---	---
MW-3	03/21/00	99.57	23.41	76.16	262	---	---	3.42	<0.5	1.8	1.6	---	---	---	---	---	---	---	---	---	---	---
MW-3	09/30/00	99.57	23.66	75.91	**8,360**	---	---	**189**	69.3	32.7	**1,200**	---	---	---	---	---	---	---	---	---	---	---
MW-3	02/03/01	99.57	24.11	75.46	430	---	---	**62.0**	5.26	7.10	15.7	---	---	---	---	---	---	---	---	---	---	---
MW-3	07/10/01	99.57	23.33	76.24	<80	---	---	**12.1**	<0.500	<0.500	<1.00	---	---	---	---	---	---	---	---	---	---	---
MW-3	02/25/02	99.57	23.13	76.44	688	---	---	**13.8**	0.795	7.39	6.63	---	---	---	---	---	---	---	---	---	---	---
MW-3	07/11/02	99.57	22.56	77.01	300	---	---	2.2	<1	3.8	1.7	---	---	---	---	---	---	---	---	---	---	---
MW-3	01/02/03	99.57	24.67	74.90	<250	---	---	**41**	<1	<1	<1	---	---	---	---	---	---	---	---	---	---	---

TABLE 1

SUMMARY OF GROUNDWATER MONITORING DATA
SHELL-BRANDED WHOLESALE FACILITY
11700 NORTHEAST 160TH STREET
BOTHELL, WASHINGTON

					HYDROCARBONS			*PRIMARY VOCs*						*OXYGENATES*					*LEAD*		*PAHs*	
Sample ID	***Date***	***TOC***	***DTW***	***GWE***	***TPHg***	***TPHd***	***TPHo***	***B***	***T***	***E***	***X***	***EDB***	***EDC***	***MTBE***	***TBA***	***DIPE***	***ETBE***	***TAME***	***Total***	***Dissolved***	***Naphthalene***	***cPAHs***
Model Toxics Control Act Method A Cleanup Levels					800/1000	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	15	***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	07/14/03	99.57	23.73	75.84	<250	---	---	**6.9**	<1	<1	1.7	---	---	---	---	---	---	---	---	---	---	---
MW-3	01/23/04	99.57	23.82	75.75	<250	---	---	**170**	<1	<1	1.5	---	---	---	---	---	---	---	---	---	---	---
MW-3	07/23/04	99.57	23.98	75.59	<250	---	---	<1	<1	<1	<1	---	---	---	---	---	---	---	---	---	---	---
MW-3	01/10/05	99.57	24.25	75.32	<250	---	---	<1	<1	<1	<1	---	---	---	---	---	---	---	---	---	---	---
MW-3	07/15/05	99.57	22.99	76.58	<50	---	---	<1	<1	<1	<1	---	---	---	---	---	---	---	---	---	---	---
MW-3	01/11/06	99.57	23.47	76.10	<50	---	---	<0.500	<0.500	<0.500	<0.1	---	---	---	---	---	---	---	---	---	---	---
MW-3	02/15/07	99.57	23.05	76.52	**1,230**	---	---	1.96	<0.500	<0.500	<3.00	---	---	<5.00	<50.0	<1.00	<1.00	<1.00	---	---	---	---
MW-3	09/11/07	99.57	24.63	74.94	<50.0	---	---	<0.500	<0.500	<0.500	<3.00	---	---	---	---	---	---	---	---	---	---	---
MW-3	02/20/08	99.57	22.73	76.84	722	---	---	1.23	<0.500	<0.500	<3.00	---	---	<5.00	<50.0	<1.00	<1.00	<1.00	---	---	---	---
MW-3	08/12/08	99.57	23.10	76.47	<100	---	---	<0.5	<1	<1	<1	---	---	---	---	---	---	---	---	---	---	---
MW-3	02/04/09	99.57	23.11	76.46	640	---	---	0.85	<1.400	<1.0	<1.0	---	---	<1.0	14.0	<2.0	<2.0	<2.0	---	---	---	---
MW-3 *	08/13/09	303.37	23.33	280.04	<100	170 d	<100	<0.50	<0.50	<0.50	<0.50	<0.010	<0.50	<0.50	4.0	<0.50	<0.50	<0.50	2.93	---	0.14	<0.1
MW-3	02/05/10	303.37	21.52	281.85	430	180 d	<100	<0.50	<1.0	<1.0	<1.0	---	---	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	---
MW-3	08/04/10	303.37	20.10	283.27	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	---	---	---	---
MW-3	03/23/11	303.37	15.55	287.82	<100	<97.1	160	<1.00	<1.00	<1.00	<3.00	---	---	<1.00	<20.0	<1.00	<1.00	<1.00	---	---	---	---
MW-3	09/12/11	303.37	11.34	292.03	<100	<98.0	<245	<1.00	<1.00	<1.00	<3.00	---	---	---	---	---	---	---	---	---	---	---
MW-4	02/07/94	102.75	31.42	71.33	ND	---	---	ND	ND	ND	ND	---	---	---	---	---	---	---	ND	---	---	---
MW-4	06/22/94	102.75	31.80	70.95	ND	---	---	ND	ND	ND	ND	---	---	---	---	---	---	---	---	ND	---	---
MW-4	09/19/94	102.75	32.95	69.80	ND	---	---	ND	ND	ND	ND	---	---	---	---	---	---	---	---	ND	---	---
MW-4	01/05/94	102.75	32.84	69.91	ND	---	---	ND	ND	ND	ND	---	---	---	---	---	---	---	---	ND	---	---
MW-4	03/23/95	102.75	31.60	71.15	ND	---	---	ND	ND	ND	ND	---	---	---	---	---	---	---	---	ND	---	---
MW-4	06/06/95	102.75	31.90	70.85	ND	---	---	ND	ND	ND	0.89	---	---	---	---	---	---	---	---	ND	---	---
MW-4	09/12/95	102.75	32.72	70.03	ND	---	---	ND	ND	ND	ND	---	---	---	---	---	---	---	---	ND	---	---
MW-4	12/05/95	102.75	32.85	69.90	ND	---	---	ND	ND	ND	ND	---	---	---	---	---	---	---	---	ND	---	---
MW-4	03/21/96	102.75	31.20	71.55	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	06/17/96	102.75	31.30	71.45	ND	---	---	ND	ND	ND	ND	---	---	---	---	---	---	---	---	---	---	---
MW-4	09/23/96	102.75	32.62	70.13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	12/16/96	102.75	32.95	69.80	ND	---	---	ND	ND	ND	ND	---	---	---	---	---	---	---	---	---	---	---
MW-4	06/27/97	102.75	35.35	67.40	ND	---	---	ND	ND	ND	ND	---	---	---	---	---	---	---	---	---	---	---
MW-4	09/16/97	102.75	31.74	71.01	ND	---	---	ND	ND	ND	ND	---	---	---	---	---	---	---	---	---	---	---
MW-4	01/06/98	102.75	31.25	71.50	ND	---	---	ND	ND	ND	ND	---	---	---	---	---	---	---	---	---	---	---
MW-4	03/23/98	102.75	30.61	72.14	--	---	---	--	--	--	--	---	---	---	---	---	---	---	---	---	---	---
MW-4	06/20/98	102.75	31.92	70.83	ND	---	---	ND	ND	ND	ND	---	---	---	---	---	---	---	---	---	---	---
MW-4	09/21/98	102.75	32.88	69.87	--	---	---	--	--	--	--	---	---	---	---	---	---	---	---	---	---	---
MW-4	12/16/98	102.75	33.50	69.25	ND	---	---	ND	ND	ND	ND	---	---	---	---	---	---	---	---	---	---	---
MW-4	04/08/99	102.75	32.82	69.93	--	---	---	--	--	--	--	---	---	---	---	---	---	---	---	---	---	---
MW-4	10/07/99	102.75	33.97	68.78	--	---	---	--	--	--	--	---	---	---	---	---	---	---	---	---	---	---
MW-4	03/21/00	102.75	33.07	69.68	--	---	---	--	--	--	--	---	---	---	---	---	---	---	---	---	---	---
MW-4	09/30/00	102.75	33.39	69.36	--	---	---	--	--	--	--	---	---	---	---	---	---	---	---	---	---	---
MW-4	02/03/01	102.75	33.60	69.15	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	07/10/01	102.75	32.83	69.92	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	02/25/02	102.75	32.41	70.34	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	07/11/02	102.75	32.45	70.30	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	01/02/03	102.75	34.33	68.42	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	07/14/03	102.75	33.37	69.38	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	01/23/04	102.75	33.68	69.07	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	07/23/04	102.75	33.87	68.88	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

TABLE 1

SUMMARY OF GROUNDWATER MONITORING DATA
SHELL-BRANDED WHOLESALE FACILITY
11700 NORTHEAST 160TH STREET
BOTHELL, WASHINGTON

					HYDROCARBONS			*PRIMARY VOCs*						*OXYGENATES*					*LEAD*		*PAHs*	
Sample ID	***Date***	***TOC***	***DTW***	***GWE***	***TPHg***	***TPHd***	***TPHo***	***B***	***T***	***E***	***X***	***EDB***	***EDC***	***MTBE***	***TBA***	***DIPE***	***ETBE***	***TAME***	***Total***	***Dissolved***	***Naphthalene***	***cPAHs***
Model Toxics Control Act Method A Cleanup Levels					800/1000	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	15	***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-4	01/10/05	102.75	33.94	68.81	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	07/15/05	102.75	32.85	69.90	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	01/11/06	102.75	33.62	69.13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	02/15/07	102.75	33.16	69.59	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-4	09/11/07	102.75	34.77	67.98	<50.0	---	---	<0.500	<0.500	<0.500	<3.00	---	---	---	---	---	---	---	---	---	---	---
MW-4	02/20/08	102.75	32.90	69.85	<50.0	---	---	<0.500	<0.500	<0.500	<3.00	---	---	<5.00	---	---	---	---	---	---	---	---
MW-4	08/12/08	102.75	33.03	69.72	<100.0	---	---	<0.5	<1	<1	<1	---	---	---	---	---	---	---	---	---	---	---
MW-4	02/04/09	102.75	33.13	69.62	<100	---	---	<0.50	<1.0	<1.0	<1.0	---	---	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	---
MW-4	08/13/09	306.58	33.20	273.38	---	<100	<100	---	---	---	---	---	---	---	---	---	---	---	4.91	---	---	---
MW-4	02/05/10	306.58	32.76	273.82	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	---	---	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	---
MW-4	08/04/10	306.58	32.67	273.91	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	---	---	---	---
MW-4	03/23/11	306.58	31.60	274.98	<100	<98.0	<98.0	<1.00	<1.00	<1.00	<3.00	---	---	<1.00	<20.0	<1.00	<1.00	<1.00	---	---	---	---
MW-4	09/12/11	306.58	32.12	274.46	<100	<96.2	<240	<1.00	<1.00	<1.00	<3.00	---	---	---	---	---	---	---	---	---	---	---
MW-5	03/21/96	94.76	20.79	73.97	ND	---	---	ND	ND	ND	ND	---	---	---	---	---	---	---	---	---	---	---
MW-5	06/17/96	94.76	20.69	74.07	ND	---	---	ND	0.647	ND	ND	---	---	---	---	---	---	---	---	---	---	---
MW-5	09/23/96	94.76	22.87	71.89	ND	---	---	ND	ND	ND	ND	---	---	---	---	---	---	---	---	---	---	---
MW-5[c]	09/23/96	94.76	22.87	71.89	ND	---	---	ND	0.633	ND	ND	---	---	---	---	---	---	---	---	---	---	---
MW-5	12/16/96	94.76	21.90	72.86	ND	---	---	ND	ND	ND	ND	---	---	---	---	---	---	---	---	---	---	---
MW-5	06/27/97	94.76	20.87	73.89	ND	---	---	ND	ND	ND	ND	---	---	---	---	---	---	---	---	---	---	---
MW-5	09/16/97	94.76	21.84	72.92	ND	---	---	ND	ND	ND	ND	---	---	---	---	---	---	---	---	---	---	---
MW-5[c]	09/16/97	94.76	21.84	72.92	ND	---	---	ND	ND	ND	ND	---	---	---	---	---	---	---	---	---	---	---
MW-5	01/06/98	94.76	21.65	73.11	ND	---	---	ND	ND	ND	ND	---	---	---	---	---	---	---	---	---	---	---
MW-5	03/23/98	94.76	20.90	73.86	ND	---	---	ND	ND	ND	ND	---	---	---	---	---	---	---	---	---	---	---
MW-5	06/20/98	94.76	21.53	73.23	ND	---	---	ND	ND	ND	ND	---	---	---	---	---	---	---	---	---	---	---
MW-5	09/21/98	94.76	23.46	71.30	ND	---	---	ND	ND	ND	ND	---	---	---	---	---	---	---	---	---	---	---
MW-5	12/16/98	94.76	22.96	71.80	ND	---	---	ND	ND	ND	ND	---	---	---	---	---	---	---	---	---	---	---
MW-5	04/08/99	94.76	21.63	73.13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	10/07/99	94.76	24.21	70.55	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	03/21/00	94.76	22.69	72.07	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	09/30/00	94.76	24.12	70.64	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	02/03/01	94.76	23.58	71.18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	07/10/01	94.76	22.56	72.20	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	02/25/02	94.76	21.54	73.22	<50	---	---	<0.500	<0.500	<0.500	<1.00	---	---	---	---	---	---	---	---	---	---	---
MW-5	07/11/02	94.76	22.14	72.62	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	01/02/03	94.76	24.68	70.08	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	07/14/03	94.76	23.15	71.61	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	01/23/04	94.76	21.73	73.03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	07/23/04	94.76	21.87	72.89	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	01/10/05	94.76	22.95	71.81	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	07/15/05	94.76	22.04	72.72	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	01/11/06	94.76	19.80	74.96	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	02/15/07	94.76	21.54	73.22	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-5	09/11/07	94.76	23.03	71.73	<50.0	---	---	<0.500	<0.500	<0.500	<3.00	---	---	---	---	---	---	---	---	---	---	---
MW-5	02/20/08	94.76	20.70	74.06	<50.0	---	---	<0.500	<0.500	<0.500	<3.00	---	---	<5.00	---	---	---	---	---	---	---	---
MW-5	08/12/08	94.76	22.18	72.58	<100	---	---	<0.5	<1	<1	<1	---	---	---	---	---	---	---	---	---	---	---
MW-5	02/04/09	94.76	20.68	74.08	<100	---	---	<0.50	<1.0	<1.0	<1.0	---	---	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	---
MW-5 *	08/13/09	303.22	21.89	281.33	<100	<100	<100	<0.50	<0.50	<0.50	<0.50	<0.010	<0.50	<0.50	<10	<0.50	<0.50	<0.50	3.93	---	<0.1	<0.1

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SUMMARY OF GROUNDWATER MONITORING DATA
SHELL-BRANDED WHOLESALE FACILITY
11700 NORTHEAST 160TH STREET
BOTHELL, WASHINGTON

					HYDROCARBONS			*PRIMARY VOCs*						*OXYGENATES*					*LEAD*		*PAHs*	
Sample ID	***Date***	***TOC***	***DTW***	***GWE***	***TPHg***	***TPHd***	***TPHo***	***B***	***T***	***E***	***X***	***EDB***	***EDC***	***MTBE***	***TBA***	***DIPE***	***ETBE***	***TAME***	***Total***	***Dissolved***	***Naphthalene***	***cPAHs***
Model Toxics Control Act Method A Cleanup Levels					800/1000	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	15	***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-5	02/05/10	303.22	20.36	282.86	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	---	---	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	---
MW-5	08/04/10	303.22	21.15	282.07	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	---	---	---	---
MW-5	03/23/11	303.22	17.52	285.70	<100	<94.3	117	<1.00	<1.00	<1.00	<3.00	---	---	<1.00	<20.0	<1.00	<1.00	<1.00	---	---	---	---
MW-5	09/12/11	303.22	18.73	284.49	<100	<98.0	<245	<1.00	<1.00	<1.00	<3.00	---	---	---	---	---	---	---	---	---	---	---
MW-6	03/21/96	Not surveyed	Dry	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-6	06/17/96	Well Destroyed During Widening of Northeast 160th Street																			---	---
MW-7	05/21/97	Not surveyed	Dry	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7	08/13/09	291.70	39.80	251.90	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7	03/23/11	291.70	Dry	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-7	09/12/11	291.70	39.63	252.07	<100	---	---	<1.00	<1.00	<1.00	<3.00	---	---	---	---	---	---	---	---	---	---	---
MW-8 *	08/13/09	299.31	15.33	283.98	<100	<100	<100	<0.50	<0.50	<0.50	<0.50	<0.010	<0.50	<0.50	<10	<0.50	<0.50	<0.50	<1.00	---	<0.1	<0.1
MW-8	02/05/10	299.31	9.95	289.36	**13,000**	**6,000 d**	<100	**40**	46	580	**1,500**	---	---	<2.0	<20	<4.0	<4.0	<4.0	---	---	---	---
MW-8f	03/11/10	299.31	13.30	286.01	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	---	---	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	---
MW-8	08/04/10	299.31	12.96	286.35	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	---	---	---	---
MW-8	03/23/11	299.31	9.12	290.19	<100	<98.0	193	<1.00	<1.00	<1.00	<3.00	---	---	<1.00	<20.0	<1.00	<1.00	<1.00	---	---	---	---
MW-8	09/12/11	299.31	9.91	289.40	<100	<99.0	<248	<1.00	<1.00	<1.00	<3.00	---	---	---	---	---	---	---	---	---	---	---
MW-9 *	08/13/09	299.13	19.30	279.83	**37,000**	**21,000 d**	<500	**34**	530	**1,600**	**10,000**	<0.010	<2.0	<12	<250	<12	<12	<12	1.64	---	**570**	<0.1
MW-9 g	02/05/10	299.13	12.50	286.63	<100	<100	<100	<0.50	<0.50	<0.50	<0.50	<0.010	<0.50	<1.0	<10	<2.0	<10	<10	---	---	<10	---
MW-9 f, g	03/11/10	299.13	10.73	288.40	**14,000**	**6,300**	<100	**22**	28	380	890	---	---	<1.0	<10	<2.0	<2.0	<2.0	---	---	79	---
MW-9 g	08/04/10	299.13	16.10	283.03	**41,000**	**22,000 d**	<500	**32**	290	**1,700**	**7,000**	---	---	---	---	---	---	---	---	---	**380**	---
MW-9	03/23/11	299.13	9.26	289.87	**19,000**	**2,890**	191	**51.8**	30.5	551	857	---	---	<1.00	<20.0	<1.00	<1.00	<1.00	---	---	42.0	---
MW-9	09/12/11	299.13	18.02	281.11	**59,800**	**5,440**	271	**94.8**	424	**2,380**	**12,200**	---	---	---	---	---	---	---	---	---	51.3	---
MW-10	01/29/10	294.78	Dry	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-10	02/05/10	294.78	24.30	270.48	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-10	08/04/10	294.78	24.40	270.38	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-10	03/23/11	294.78	23.63	271.15	<100	<97.1	<97.1	<1.00	<1.00	<1.00	<3.00	---	---	<1.00	<20.0	<1.00	<1.00	<1.00	---	---	---	---
MW-10	09/12/11	294.78	Dry	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-11	01/29/10	293.07	14.04	279.03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-11 g	02/05/10	293.07	12.32	280.75	**810**	420d	<100	1.0	2.3	<1.0	4.5	---	---	<1.0	<10	<2.0	<10	<10	---	---	12	---
MW-11	08/04/10	293.07	19.90	273.17	Insufficient Water - No Sample			---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-11	03/23/11	293.07	13.53	279.54	665	155	<105	1.14	<1.00	<1.00	<3.00	---	---	<1.00	<20.0	<1.00	<1.00	<1.00	---	---	0.814	---
MW-11	09/12/11	293.07	Dry	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-12	10/12/10	299.16	50.20	248.96	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW-12	10/19/10	299.16	50.09	249.07	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	---	---	---	---	---	---	---	---	---	<10	---
MW-12	03/23/11	299.16	49.24	249.92	<100	<98.0	<98.0	<1.00	<1.00	<1.00	<3.00	---	---	<1.00	<20.0	<1.00	<1.00	<1.00	---	---	<0.0990	---
MW-12	09/12/11	299.16	49.61	249.55	<100	<98.0	<245	<1.00	<1.00	<1.00	<3.00	---	---	---	---	---	---	---	---	---	1.43	---

TABLE 1

SUMMARY OF GROUNDWATER MONITORING DATA
SHELL-BRANDED WHOLESALE FACILITY
11700 NORTHEAST 160TH STREET
BOTHELL, WASHINGTON

					HYDROCARBONS			PRIMARY VOCs						OXYGENATES					LEAD		PAHs	
Sample ID	*Date*	*TOC*	*DTW*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*EDB*	*EDC*	*MTBE*	*TBA*	*DIPE*	*ETBE*	*TAME*	*Total*	*Dissolved*	*Naphthalene*	*cPAHs*
Model Toxics Control Act Method A Cleanup Levels					800/1000	500	500	5	1000	700	1000	0.01	5	20	NE	NE	NE	NE	15	15	***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

Notes:

DTW = Depth to Water in feet

GWE = Groundwater Elevation in feet above mean sea level; before August 13, 2009, relative to arbitrary benchmarks

TOC = Top of Casing in feet above mean sea level; before August 13, 2009, relative to arbitrary benchmarks

All results are in micrograms per liter (µg/L) unless otherwise indicated

TPHg = Total petroleum hydrocarbons as gasoline analyzed by NWTPH-Gx unless otherwise noted. The higher value is based on the assumption that no benzene is present in the groundwater sample. If any detectable amount of benzene is present in the groundwater sample, then the lower TPHg cleanup level is applicable.

TPHd = Total petroleum hydrocarbons as diesel, analyzed by NWTPH-Dx with silica gel cleanup unless otherwise noted.

TPHo = Total petroleum hydrocarbons as oil, analyzed by NWTPH-Dx with silica gel cleanup unless otherwise noted.

VOCs = Volatile organic compounds

BTEX = Benzene, toluene, ethylbenzene, and xylenes analyzed by EPA Method 8260B unless otherwise noted.

Total Xylenes = o-xylene + m,p-xylene

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 unless otherwise noted.

PAH = polycyclic aromatic hydrocarbons analyzed by EPA Method 8270C-SIM

cPAHs = carcinogenic polycyclic aromatic hydrocarbons analyzed by EPA Method 8270C-SIM

NE = Not established

<x = Not detected at laboratory reporting limit x

--- = Not analyzed

Concentrations in bold type indicate the analyte was detected above the Model Toxics Control Act (MTCA) Method A cleanup level

a = Initial analysis within holding time. Re-analysis for the required dilution was past holding time.

b = Sample container contained headspace

c = duplicate sample

d = The sample chromatographic pattern for TPH does not match the specified standard. Quantitation of the unknown hydrocarbon was based upon the specified standard.

e = Laboratory reporting limit (RL) in excess of the MTCA Method A cleanup level.

f = Monitoring well was re-sampled due to a suspected field error

g = Naphthalene analyzed by EPA Method 8260B

* = Sample also analyzed for one or more of the following: carcinogenic polycyclic aromatic hydrocarbons (cPAHs) by 8270C-SIM, polychlorinated biphenyls (PCBs) by EPA Method 8082, and halogenated volatile organic compounds (HVOCs) by EPA Method 8260B. For those constituents analyzed, no concentrations exceeded the laboratory method detection limits. Please see applicable laboratory report(s) for more information.

APPENDIX A

FIELD FORMS

WELL GAUGING DATA

Project # 110323-SL1 Date 3/23/11 Client CRA

Site Shell 11700 160th, Bothell

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-1	1050	4					11.58	36.12		
MW-3	1013	4					15.55	34.70		
MW-4	0840	4					31.60	39.44		
MW-5	0907	4					17.52	24.88		
MW-7	0810	4					Dry	40.14		
MW-8	0924	2					9.12	24.94		
MW-9	1111	2					9.26	24.43		
MW-10	0945	2					23.63	24.80		
MW-11	1030	2					13.53	20.15		
MW-12	0816	2					49.24	59.63		

SHELL WELL MONITORING DATA SHEET

BTS #: 110323-SL1	Site: 92995017
Sampler: SL	Date: 3/23/11
Well I.D.: MW-1	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 36.12	Depth to Water (DTW): 11.58
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: ———	

Purge Method: Bailer / Disposable Bailer / Middleburg / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other_____

Sampling Method: Bailer / (X) Disposable Bailer / Extraction Port / Dedicated Tubing / Other: _____

_____(Gals.) X _____ = _____ Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1100	52.3	6.44	673	24	—	clear, Odor

Did well dewater? Yes (No) Gallons actually evacuated: ———

Sampling Date: 3/23/11 Sampling Time: 1100 Depth to Water: 11.58

Sample I.D.: GW-241809-032311-SL-MW-1 Laboratory: Calscience Other (TA)

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See SOW

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 110323-SL1	Site: 92995017
Sampler: SL	Date: 3/23/11
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 34.70	Depth to Water (DTW): 15.55
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: ———	

Purge Method: Bailer / Disposable Bailer / Middleburg / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other ____

Sampling Method: Bailer / (X) Disposable Bailer / Extraction Port / Dedicated Tubing / Other: ____

____ (Gals.) X ____ = ____ Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1020	54.4	6.74	286	79	—	cloudy

Did well dewater? Yes (No) Gallons actually evacuated: ———

Sampling Date: 3/23/11 Sampling Time: 1020 Depth to Water: 15.55

Sample I.D.: GW-241809-032311-SL-MW-3 Laboratory: Calscience Other (TA)

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See SOW

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 110323-SL1	Site: 92995017
Sampler: SL	Date: 3/23/11
Well I.D.: MW-4	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 39.44	Depth to Water (DTW): 31.60
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: ———	

Purge Method: Bailer / Disposable Bailer / Middleburg / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other ____

Sampling Method: Bailer / ~~Disposable Bailer~~ / Extraction Port / Dedicated Tubing / Other: ____

____(Gals.) X ____ = ____ Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0850	49.6	7.27	538	22	—	clear

Did well dewater? Yes (No) Gallons actually evacuated: ———

Sampling Date: 3/23/11 Sampling Time: 0850 Depth to Water: 31.60

Sample I.D.: GW-241809-032311-SL-MW-4 Laboratory: Calscience Other (FA)

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See SOW

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 110323-SL1	Site: 92995017
Sampler: SL	Date: 3/23/11
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 24.88	Depth to Water (DTW): 17.52
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: ———	

Purge Method: Bailer / Disposable Bailer / Middleburg / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other ____

Sampling Method: Bailer / (X) Disposable Bailer / Extraction Port / Dedicated Tubing / Other: ____

____ (Gals.) X ____ = ____ Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0915	52.1	7.07	511	17	—	clear

Did well dewater? Yes (No) Gallons actually evacuated: ———

Sampling Date: 3/23/11 Sampling Time: 0915 Depth to Water: 17.52

Sample I.D.: GW-241809-032311-SL-MW-5 Laboratory: Calscience Other (TA)

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See SOW

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 110323-SL1	Site: 92995017
Sampler: SL	Date: 3/23/11
Well I.D.: MW-7	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 40.14	Depth to Water (DTW): Dry
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: ———	

Purge Method: Bailer / Disposable Bailer / Middleburg / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other ___

Sampling Method: Bailer / ~~Disposable Bailer~~ / Extraction Port / Dedicated Tubing / Other: ___

___ (Gals.) X ___ = ___ Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
					—	
		Well Dry → No Sample				

Did well dewater? Yes (No) Gallons actually evacuated: ———

Sampling Date: 3/23/11 Sampling Time: Depth to Water:

Sample I.D.: GW-241809-032311-SL-MW- Laboratory: Calscience Other (TA)

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See SOW

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 110323-SL1	Site: 92995017
Sampler: SL	Date: 3/23/11
Well I.D.: MW-8	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 24.94	Depth to Water (DTW): 9.12
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: —	

Purge Method: Bailer / Disposable Bailer / Middleburg / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other ____

Sampling Method: Bailer / ~~Disposable Bailer~~ / Extraction Port / Dedicated Tubing / Other: ____

____(Gals.) X ____ = ____ Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0930	57.2	6.98	536	29	—	clear

Did well dewater? Yes (No) Gallons actually evacuated: —

Sampling Date: 3/23/11 Sampling Time: 0930 Depth to Water: 9.12

Sample I.D.: GW-241809-032311-SL-MW8 Laboratory: Calscience Other (TA)

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See SOW

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 110323-SL1	Site: 92995017
Sampler: SL	Date: 3/23/11
Well I.D.: MW-9	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 24.43	Depth to Water (DTW): 9.26
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: ———	

Purge Method: Bailer / Disposable Bailer / Middleburg / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other ____

Sampling Method: Bailer / (X) Disposable Bailer / Extraction Port / Dedicated Tubing / Other: ____

____ (Gals.) X ____ = ____ Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1120	50.6	6.34	562	>1000	—	Sheen, Odor

Did well dewater? Yes (No) Gallons actually evacuated: ———

Sampling Date: 3/23/11 Sampling Time: 1120 Depth to Water: 9.26

Sample I.D.: GW-241809-032311-SL-MW-9 Laboratory: Calscience Other (FA)

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See SOW

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 110323-SL1	Site: 92995017
Sampler: SL	Date: 3/23/11
Well I.D.: MW-10	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 24.80	Depth to Water (DTW): 23.63
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: ———	

Purge Method: Bailer / Disposable Bailer / Middleburg / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other ____

Sampling Method: Bailer / (Disposable Bailer) / Extraction Port / Dedicated Tubing / Other: ____

____(Gals.) X ____ = ____ Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0950	54.9	6.79	513	>1000	—	Brown

Did well dewater? Yes (No) Gallons actually evacuated: ———

Sampling Date: 3/23/11 Sampling Time: 0950 Depth to Water: 23.63

Sample I.D.: GW-241809-032311-SL-MW-10 Laboratory: Calscience Other (TA)

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See SOW

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 110323-SL1	Site: 92995017
Sampler: SL	Date: 3/23/11
Well I.D.: MW-11	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 20.15	Depth to Water (DTW): 13.53
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: ———	

Purge Method: Bailer, Disposable Bailer, Middleburg, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other_____

Sampling Method: Bailer, (Disposable Bailer), Extraction Port, Dedicated Tubing, Other:

_____(Gals.) X _____ = _____ Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1040	49.9	6.67	294	>1000	—	Grey, Odor

Did well dewater? Yes (No) Gallons actually evacuated: —

Sampling Date: 3/23/11 Sampling Time: 1040 Depth to Water: 13.53

Sample I.D.: GW-241809-032311-SL-MW-11 Laboratory: Calscience Other (TA)

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See SOW

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 110323-SL1	Site: 92995017
Sampler: SL	Date: 3/23/11
Well I.D.: MW-12	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 59.63	Depth to Water (DTW): 49.24
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: ———	

Purge Method: Bailer / Disposable Bailer / Middleburg / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other ___

Sampling Method: Bailer / (Disposable Bailer) / Extraction Port / Dedicated Tubing / Other: ___

___ (Gals.) X ___ = ___ Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0830	52.6	6.64	1749	166	—	cloudy

Did well dewater? Yes (No) Gallons actually evacuated: —

Sampling Date: 3/23/11 Sampling Time: 0830 Depth to Water: 49.24

Sample I.D.: GW-241809-032311-SL-MW-12 Laboratory: Calscience Other (TA)

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See SOW

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

Shell Oil Products Chain Of Custody Record

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

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

Print Bill To Contact Name: Christina McClelland - 241809.2011.06

INCIDENT # (ENV SERVICES): 9 2 9 9 5 0 1 7

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 3/23/11

PAGE: 1 of 1

PO #:

SAP #: 1 2 0 5 3 1

SAMPLING COMPANY: Blaine Tech Services

LOG CODE:

SITE ADDRESS: Street and City: 11700 NE 160th, Bothell

State: WA

GLOBAL ID NO.: NA

ADDRESS: 20735 Belshaw Avenue, Carson, CA 90746

EDF DELIVERABLE TO (Name, Company, Office Location): CRA, Seattle, WA

PHONE NO.: 425-563-6500

E-MAIL: Shell-US-LabDataManagement@CRAworld.com

CONSULTANT PROJECT NO.: 110323-SC1

PROJECT CONTACT (Hardcopy or PDF Report to): Lorin King

TELEPHONE: (310) 885-4455 x 108

FAX: (310) 637-5802

E-MAIL: lking@blainetech.com

SAMPLER NAME(S) (Print): S. Lane

LAB USE ONLY

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:
1) Please upload the "CRA EQuIS 4-file EDD" to the CRA Website (http://cralabedduploadcraworld.com/equis/default.aspx) and/or send it to the Shell-US-LabDataManagement@CRAworld.com email folder. 2) Please indicate that you have uploaded the EDD by including "EDD Uploaded to CRA website" in the body of the email used to deliver the final PDF report to the Shell-US-LabDataManagement@CRAworld.com email folder.

Copy final report to Shell.Lab.Billing@craworld.com, Shell.results@craworld.com, and Shell-US-LabDataManagement@CRAworld.com

Email invoice to Shell.Lab.Billing@craworld.com

See Laboratory 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

Matrix Codes - WG (groundwater), WS (surface water), WP (drinking water source), W (Trip or Temp Blank)

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID: PROJECT NUMBER	DATE (MMDDYY)	SAMPLER INITIALS	WELL ID	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)	EDC (8011)	Total Lead (6020)	PCBs (8082)	PAHs (8070 SIM)	VOCs Full list (8260B)	Pest (8080)	NWTPH-VPH	NWTPH-EPH	n-Hexane (9071B)	Naphthalenes (8270-SIM)	TPH-D					TEMPERATURE ON RECEIPT C° / Container PID Readings or Laboratory Notes
GW	241809	032311	SL	MW-1	1100	WG	X			X		10	X	X	X	X											X	X					
GW	241809	032311	SL	MW-3	1020	WG	X					8	X	X	X	X												X					
GW	241809	032311	SL	MW-4	0850	WG	X					8	X	X	X	X												X					
GW	241809	032311	SL	MW-5	0915	WG	X					8	X	X	X	X												X					
GW	241809	032311	SL	MW-8	0930	WG	X					8	X	X	X	X												X					
GW	241809	032311	SL	MW-9	1120	WG	X			X		10	X	X	X	X											X	X					
GW	241809	032311	SL	MW-10	0950	WG	X					8	X	X	X	X												X					
GW	241809	032311	SL	MW-11	1040	WG	X			X		10	X	X	X	X											X	X					
GW	241809	032311	SL	MW-12	0830	WG	X			X		10	X	X	X	X											X	X					

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
SL	Shipped by FedEx	3/23/11	1700

WELLHEAD INSPECTION FORM

Client: CRA Site: Shell 9299501 7 Date 3/23/11

Job #: 110323-SL1 Technician: SL Page 1 of 1

Well ID	Well Inspected - No Corrective Action Required	Check Indicates deficiency: Cap non-functional	Lock non-functional	Lock missing	Bolts missing (list qty.)	Tabs stripped (list qty.)	Tabs broken (list qty.)	Annular seal incomplete	Apron damaged	Rim / Lid broken	Trip Hazard	Below Grade	Other (explain in notes)	Well Not Inspected (explain in notes)	Notes (list if cap or lock replaced, if there are access issues associated with repairs, if traffic control is required, if stand pipe damaged, or any specific details not covered by checklist)
MW-1	X														
MW-3	X														
MW-4							1/4								1/4 Helicoil
MW-5	X														
MW-7															new cap + lock
MW-8	X														
MW-9	X														
MW-10	X														
MW-11	X														
MW-12	X														

Notes:

Job Clearance Form

CONTRACTOR INSTRUCTIONS PRIOR TO START OF WORK: 1. Review form, check appropriate boxes, read and sign at the bottom of this form 2. Inform dealer, manager or site representative of the job to be performed and potential safety concerns and obtain signature

Station #	Station Address: 11700 160th Bothell		Work Order Number: 110323-SL1		Date: 3/23/11		
Contractor Company Name: BTS	Contractor person in charge (print name): S.Lane	Number of Workers: 1	JSA Reference Number: (If required)	Start Time: 0800	End Time: 1145	Labor:	Travel Time:	Travel Distance:

Problem/Work Description: Sample 10 wells

Return Call: yes / no
Damage Claim: yes / no

PPE REQUIRED (CHECK AND/OR FILL BLANK SPACE)

- [x] SAFETY VEST
- [ ] PROTECTIVE CLOTHING
- [x] HARD HAT
- [x] GLOVES
- [x] SHOES & BOOTS
- [x] SAFETY GLASSES/GOGGLES
- [ ] HEARING PROTECTION
- [ ] WELDING PPE
- [ ] RESPIRATOR
- [ ] OTHER ____________

Contractor to complete this section below if circumstances on site or specific to this job, may generate additional hazards, that are not described in the JSA

TASK STEP	Hazards not covered by JSA	How to reduce or eliminate risk - Include PPE to be Worn

Work documentation requirements — Lower Risk - no JSA required — Medium Risk / Higher Risk tasks - JSA required — Higher Risk - JSA required & appropriate check list completed (see below)

Examples of Higher / Medium tasks
- [ ] Works at heights: In all cases on open sites - on closed sites if no JSA present
- [ ] Trenching or excavation related to underground tank / product lines
- [ ] Heavy lifting
- [ ] Work in confined spaces (e.g. tank, interceptor or deep manhole entry)
- [ ] Hot work with risk of product or vapor ignition
- [ ] LPG system degassing, installation or maintenance

This form must be completed for each job and updated and re-signed if circumstances change or additional hazards identified.

SIGN IN

Operating sites: to be signed by the Site Representative
Non-operating sites: to be signed by Contractor Representative only

Contractor representative name	Signature
S.Lane	S.Lane

GENERAL SAFETY CHECKS
- Have all site personnel been informed?
- Has fuel delivery service been informed?
- Is a fuel delivery due?
- Have isolation procedures been agreed - lock out/tag out?
- Are work areas cordoned off to protect workers, site staff & public?
- Other

Site representative name	Signature
I have discussed job clearance form with contractor	
(X) Jack Cooper	

SIGN OUT

Contractor signature
S.Lane

GENERAL SAFETY CHECKS
- Has the work area been left tidy and safe?
- Are site personnel aware of status of work including remaining isolation?
- Are changes to equipment documented and communicated?
- All incidents, near incidents, unsafe situations reported?
- Other

Site representative name	Signature
I have discussed job clearance form with contractor	
Satpal Gill	[signature]

PARTS - Ordered, Replaced and/or Disposed Of (include model and serial #s as appropriate)

The contractor through its authorized representative shall sign, issue and be solely responsible for all job clearance forms and the obligations arising there under applicable to the work.

This form covers important reminders and is not intended to relieve the contractor from safely performing the work in compliance with all applicable laws and regulations.
The Site Representative may require the contractor to stop work if it appears that the contractor or any of its workers are failing to comply with the requirements in the applicable items of this form or other applicable safety requirements.

WELL GAUGING DATA

Project # 110912-SL1 Date 9/12/11 Client CRA

Site Shell 11700 NE 160th, Bothell

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-1	1306	4					15.42	36.49		
MW-3	1242	4					11.34	34.60		
MW-4	1131	4					32.12	39.50		
MW-5	1152	4					18.73	24.60		
MW-7	1051	4					39.63	40.11		
MW-8	1210	2					9.91	24.83		
MW-9	1320	2					18.02	24.40		
MW-10	1233	2					Dry	24.98		
MW-11	1300	2					Dry	20.11		
MW-12	1115	2					49.61	59.64	↓	

SHELL WELL MONITORING DATA SHEET

BTS #: 110912-SL1	Site: 92995017
Sampler: SL	Date: 9/12/11
Well I.D.: MW-1	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 36.49	Depth to Water (DTW): 15.42
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer / Disposable Bailer / Middleburg / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other_____

Sampling Method: Bailer / ~~Disposable Bailer~~ / Extraction Port / Dedicated Tubing / Other:

_____(Gals.) X _____ = _____ Gals.
1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1315	60.4	6.20	659	27	—	Odor

Did well dewater? Yes (No) Gallons actually evacuated: —

Sampling Date: 9/12/11 Sampling Time: 1315 Depth to Water: 15.42

Sample I.D.: GW-241809-091211-SL-MW-1 Laboratory: Calscience Other (TA)

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See SOW

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 110912-SL1	Site: 92995017
Sampler: SL	Date: 9/12/11
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 34.60	Depth to Water (DTW): 11.34
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer, Disposable Bailer, Middleburg, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other_____

Sampling Method: Bailer, ~~Disposable Bailer~~, Extraction Port, Dedicated Tubing, Other:_____

_____(Gals.) X _____ = _____ Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1250	62.5	7.17	178	31	—	clear

Did well dewater? Yes (No) Gallons actually evacuated: —

Sampling Date: 9/12/11 Sampling Time: 1250 Depth to Water: 11.34

Sample I.D.: GW-241809-091211-SL-MW-3 Laboratory: Calscience Other (TA)

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See SOW

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 110912-SL1	Site: 92995017
Sampler: SL	Date: 9/12/11
Well I.D.: MW-4	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 39.50	Depth to Water (DTW): 32.12
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer / Disposable Bailer / Middleburg / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other ____

Sampling Method: Bailer / ~~Disposable Bailer~~ / Extraction Port / Dedicated Tubing / Other: ____

____ (Gals.) X ____ = ____ Gals.		
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1140	58.1	6.65	342	22	—	clear

Did well dewater? Yes (No) Gallons actually evacuated: —

Sampling Date: 9/12/11 Sampling Time: 1140 Depth to Water: 32.12

Sample I.D.: GW-241809-091211-SL-MW-4 Laboratory: Calscience Other (TA)

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See SOW

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 110912-SL1	Site: 92995017
Sampler: SL	Date: 9/12/11
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 24.60	Depth to Water (DTW): 18.73
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer, Disposable Bailer, Middleburg, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other ____

Sampling Method: Bailer, ~~Disposable Bailer~~, Extraction Port, Dedicated Tubing, Other: ____

____ (Gals.) X ____ = ____ Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1200	59.1	6.87	479	17	—	clear

Did well dewater? Yes (No) Gallons actually evacuated: —

Sampling Date: 9/12/11 Sampling Time: 1200 Depth to Water: 18.73

Sample I.D.: GW-241809-091211-SL-MW-5 Laboratory: Calscience Other (TA)

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See SOW

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 110912-SL1	Site: 92995017
Sampler: SL	Date: 9/12/11
Well I.D.: MW-7	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 40.11	Depth to Water (DTW): 39.63
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer / Disposable Bailer / Middleburg / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other_____

Sampling Method: Bailer / ~~Disposable Bailer~~ / Extraction Port / Dedicated Tubing / Other:

_____(Gals.) X _____ = _____ Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1100	62.4	5.97	464	>1000	—	Dark Grey
	→ filled	6x HCl	Voas →	Insufficient		
	water	for 1L	HCl ambers (TPH-D+TPH-O)			
						DTW=39.84

Did well dewater? (Yes) No Gallons actually evacuated: —

Sampling Date: 9/12/11 Sampling Time: 1100 Depth to Water: 39.63

Sample I.D.: GW-241809-091211-SL-MW-7 Laboratory: Calscience Other (TA)

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See SOW

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 110912-SL1	Site: 92995017
Sampler: SL	Date: 9/12/11
Well I.D.: MW-8	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 24.83	Depth to Water (DTW): 9.91
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer / Disposable Bailer / Middleburg / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other ____

Sampling Method: Bailer / ~~Disposable Bailer~~ / Extraction Port / Dedicated Tubing / Other: ____

____ (Gals.) X ____ = ____ Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1220	62.7	7.00	361	27	—	clear

Did well dewater? Yes (No) Gallons actually evacuated: —

Sampling Date: 9/12/11 Sampling Time: 1220 Depth to Water: 9.91

Sample I.D.: GW-241809-091211-SL-MW-8 Laboratory: Calscience Other (TA)

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See SOW

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 110912-SL1	Site: 92995017
Sampler: SL	Date: 9/12/11
Well I.D.: MW-9	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 24.40	Depth to Water (DTW): 18.02
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer / Disposable Bailer / Middleburg / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other ____

Sampling Method: Bailer / ~~Disposable Bailer~~ / Extraction Port / Dedicated Tubing / Other: ____

____ (Gals.) X ____ = ____ Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1330	60.0	6.24	508	126	—	Odor

Did well dewater? Yes (No) Gallons actually evacuated: —

Sampling Date: 9/12/11 Sampling Time: 1330 Depth to Water: 18.02

Sample I.D.: GW-241809-091211-SL-MW-9 Laboratory: Calscience Other (TA)

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See SOW

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 110912-SL1	Site: 92995017
Sampler: SL	Date: 9/12/11
Well I.D.: MW-10	Well Diameter (2) 3 4 6 8 ____
Total Well Depth (TD): 24.98	Depth to Water (DTW): Dry
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer, Disposable Bailer, Middleburg, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other ____

Sampling Method: Bailer, ~~Disposable Bailer~~, Extraction Port, Dedicated Tubing, Other: ____

____ (Gals.) X ____ = ____ Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
					—	
	Well Dry →			No Sample		

Did well dewater? Yes No Gallons actually evacuated: —

Sampling Date: 9/12/11 Sampling Time: Depth to Water:

Sample I.D.: GW-241809-091211-SL-MW- Laboratory: Calscience Other (TA)

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See SOW

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:		mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:		mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 110912-SL1	Site: 92995017
Sampler: SL	Date: 9/12/11
Well I.D.: MW-11	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 20.11	Depth to Water (DTW): Dry
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer / Disposable Bailer / Middleburg / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other ____

Sampling Method: Bailer / ~~Disposable Bailer~~ / Extraction Port / Dedicated Tubing / Other: ____

____(Gals.) X ____ = ____ Gals.		
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
					—	
	Well Dry →			No Sample		

Did well dewater? Yes No Gallons actually evacuated: —

Sampling Date: 9/12/11 Sampling Time: Depth to Water:

Sample I.D.: GW-241807-091211-SL-MW- Laboratory: Calscience Other (TA)

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See SOW

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L	
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV	

SHELL WELL MONITORING DATA SHEET

BTS #: 110912-SL1	Site: 92995017
Sampler: SL	Date: 9/12/11
Well I.D.: MW-12	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 59.64	Depth to Water (DTW): 49.61
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer, Disposable Bailer, Middleburg, Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other ____

Sampling Method: Bailer, ~~Disposable Bailer~~, Extraction Port, Dedicated Tubing, Other: ____

____ (Gals.) X ____ = ____ Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1120	57.8	6.13	452	71000	—	Brown

Did well dewater? Yes (No) Gallons actually evacuated: —

Sampling Date: 9/12/11 Sampling Time: 1120 Depth to Water: 49.61

Sample I.D.: GW-241809-091211-SL-MW-12 Laboratory: Calscience Other (TA)

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See SOW

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

Shell Oil Products Chain Of Custody Record

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

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

Print Bill To Contact Name: Christina McClelland - 241809.2011.06

INCIDENT # (ENV SERVICES): 92995017 ☐ CHECK IF NO INCIDENT # APPLIES

DATE: 9/12/11

PAGE: 1 of 1

PO #:

SAP #: 1205311

SAMPLING COMPANY: Blaine Tech Services

LOG CODE:

SITE ADDRESS: Street and City: 11700 NE 160th, Bothell

State: WA

GLOBAL ID NO.: NA

ADDRESS: 20735 Belshaw Avenue, Carson, CA 90746

EDF DELIVERABLE TO (Name, Company, Office Location): CRA, Seattle, WA

PHONE NO.: 425-563-6500

E-MAIL: Shell-US-LabDataManagement@CRAworld.com

CONSULTANT PROJECT NO.: 110912-S1

PROJECT CONTACT (Hardcopy or PDF Report to): Lorin King

SAMPLER NAME(S) Print: S. Lane

TELEPHONE: (310) 886-4455 x 108

FAX: (310) 637-5802

E-MAIL: lking@blainetech.com

CAB USE ONLY

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:
1) Please upload the "CRA EQuIS 4-file EDD" to the CRA Website (http://cralabedduplod.craworld.com/equis/default.aspx) and/or send it to the Shell-US-LabDataManagement@CRAworld.com email folder. 2) Please indicate that you have uploaded the EDD by including "EDD Uploaded to CRA website" in the body of the email used to deliver the final PDF report to the Shell-US-LabDataManagement@CRAworld.com email folder.

Copy final report to Shell.Lab.Billing@craworld.com, Shell.results@craworld.com, and Shell-US-LabDataManagement@CRAworld.com

Email invoice to Shell.Lab.Billing@craworld.com

See Laboratory 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

Matrix Codes - WG (groundwater), WS (surface water), WP (drinking water source), W (Trip or Temp Blank)

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID	PROJECT NUMBER	DATE (MMDDYY)	SAMPLER INITIALS	WELL ID	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)	EDC (8011)	Total Lead (6020)	PCBs (8082)	PAHs (8070 SIM)	VOCs Full list (8260B)	Pest (8080)	NWTPH-VPH	NWTPH-EPH		Naphtalenes (8270-SIM)	TPH-D						TEMPERATURE ON RECEIPT	Container PID Readings or Laboratory Notes
	GW	241809	091211	SL	MW-1	1315	WG	X					8	X	X	X												X	X							
	GW	241809	091211	SL	MW-3	1250	WG	X					8	X	X	X													X							
	GW	241809	091211	SL	MW-4	1140	WG	X					8	X	X	X													X							
	GW	241809	091211	SL	MW-5	1200	WG	X					8	X	X	X													X							
	GW	241809	091211	SL	MW-7	1100	WG	X					6	X		X																				
	GW	241809	091211	SL	MW-8	1220	WG	X					8	X	X	X													X							
	GW	241809	091211	SL	MW-9	1330	WG	X					8	X	X	X													X							
	GW	241809	091211	SL	MW-12	1120	WG	X					8	X	X	X													X							

Relinquished by: (Signature): S. Lane

Received by: (Signature): Shipped by FedEx

Date: 9/12/11 Time: 1700

Relinquished by: (Signature)

Received by: (Signature)

Date: Time:

Relinquished by: (Signature)

Received by: (Signature)

Date: Time:

WELLHEAD INSPECTION FORM

Client: CRA Site: Shell 92995017 Date 9/12/11

Job #: 110912-SL1 Technician: SL Page 1 of 1

Well ID	Well Inspected - No Corrective Action Required	Check indicates deficiency: Cap non-functional	Lock non-functional	Lock missing	Bolts missing (list qty.)	Tabs stripped (list qty.)	Tabs broken (list qty.)	Annular seal incomplete	Apron damaged	Rim / Lid broken	Trip Hazard	Below Grade	Other (explain in notes)	Well Not Inspected (explain in notes)	Notes (list if cap or lock replaced, if there are access issues associated with repairs, if traffic control is required, if stand pipe damaged, or any specific details not covered by checklist)
MW-1	X														
MW-3	X														
MW-4							1/4								
MW-5	X														
MW-7	X														
MW-8	X														
MW-9	X														
MW-10						2/3									
MW-11	X														
MW-12	X														

Notes:

Job Clearance Form

CONTRACTOR INSTRUCTIONS PRIOR TO START OF WORK: 1. Review form, check appropriate boxes, read and sign at the bottom of this form. 2. Inform dealer, manager or site representative of the job to be performed and potential safety concerns and obtain signature.

Station #	Station Address: 11700 160th, Bothell		Work Order Number: 110912-SL1		Date: 9/12/11	
Contractor Company Name: BTS	Contractor person in charge (print name): S. Lane	Number of Workers: 1	JSA Reference Number: (if required)	Start Time: 1030 / End Time: 1400	Labor:	Travel Time: / Travel Distance:
Problem/Work Description: Sample 10 wells					Return Call: yes / no Damage Claim: yes / no	

PPE REQUIRED (CHECK AND/OR FILL BLANK SPACE)

- [x] SAFETY VEST
- [ ] PROTECTIVE CLOTHING
- [x] HARD HAT
- [x] GLOVES
- [x] SHOES & BOOTS
- [x] SAFETY GLASSES/GOGGLES
- [ ] HEARING PROTECTION
- [ ] WELDING PPE
- [ ] RESPIRATOR
- [ ] OTHER ____________

Contractor to complete this section below if circumstances on site or specific to this job, may generate additional hazards, that are not described in the JSA

TASK STEP	Hazards not covered by JSA	How to reduce or eliminate risk - Include PPE to be Worn

Work documentation requirements — Lower Risk - no JSA required — Medium Risk / Higher Risk tasks - JSA required — Higher Risk - JSA required & appropriate check list completed (see below)

Examples of Higher / Medium tasks:

- [ ] Works at heights: In all cases on open sites - on closed sites if no JSA present
- [ ] Trenching or excavation related to underground tank / product lines
- [ ] Heavy lifting
- [ ] Work in confined spaces (e.g. tank, interceptor or deep manhole entry)
- [ ] Hot work with risk of product or vapor ignition
- [ ] LPG system degassing, installation or maintenance

This form must be completed for each job and updated and re-signed if circumstances change or additional hazards identified.

SIGN IN

Operating sites: to be signed by the Site Representative
Non-operating sites: to be signed by Contractor Representative only

GENERAL SAFETY CHECKS

- Have all site personnel been informed?
- Has fuel delivery service been informed?
- Is a fuel delivery due?
- Have isolation procedures been agreed - lock out/tag out?
- Are work areas cordoned off to protect workers, site staff & public?
- Other

Contractor representative name	Signature
S. Lane	[signature]
Site representative name	Signature
I have discussed job clearance form with contractor	
Jack Cooper	

SIGN OUT

GENERAL SAFETY CHECKS

- Has the work area been left tidy and safe?
- Are site personnel aware of status of work including remaining isolation?
- Are changes to equipment documented and communicated?
- All incidents, near incidents, unsafe situations reported?
- Other

Contractor signature
[signature]

Site representative name	Signature
I have discussed job clearance form with contractor	
Jack Cooper	

PARTS - Ordered, Replaced and/or Disposed Of (include model and serial #s as appropriate)

The contractor through its authorized representative shall sign, issue and be solely responsible for all job clearance forms and the obligations arising there under applicable to the work.

This form covers important reminders and is not intended to relieve the contractor from safely performing the work in compliance with all applicable laws and regulations.
The Site Representative may require the contractor to stop work if it appears that the contractor or any of its workers are failing to comply with the requirements in the applicable items of this form or other applicable safety requirements.

APPENDIX B

LABORATORY ANALYTICAL REPORTS

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Road
Nashville, TN 37204
Tel: 800-765-0980

TestAmerica Job ID: NUC4095
Client Project/Site: SAP 120531
Client Project Description: 11700 NE 160th, Bothel, WA

For:
Conestoga-Rovers & Asso. (Everett)/ Shell
20818 44th Avenue West, Suite 190
Lynnwood, WA 98036

Attn: Christina McClelland

Authorized for release by:
04/07/2011 08:03:52 PM

Ryan Fitzwater
Project Manager
Ryan.Fitzwater@testamericainc.com

Table of Contents

Sample Summary

Client: Conestoga-Rovers & Asso. (Everett)/ Shell
Project/Site: SAP 120531

TestAmerica Job ID: NUC4095

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
NUC4095-01	GW-241809_SL-MW-1	Ground Water	03/23/11 11:00	03/24/11 08:30
NUC4095-02	GW-241809_SL-MW-3	Ground Water	03/23/11 10:20	03/24/11 08:30
NUC4095-03	GW-241809_SL-MW-4	Ground Water	03/23/11 08:50	03/24/11 08:30
NUC4095-04	GW-241809_SL-MW-5	Ground Water	03/23/11 09:15	03/24/11 08:30
NUC4095-05	GW-241809_SL-MW-8	Ground Water	03/23/11 09:30	03/24/11 08:30
NUC4095-06	GW-241809_SL-MW-9	Ground Water	03/23/11 11:20	03/24/11 08:30
NUC4095-07	GW-241809_SL-MW-10	Ground Water	03/23/11 09:50	03/24/11 08:30
NUC4095-08	GW-241809_SL-MW-11	Ground Water	03/23/11 10:40	03/24/11 08:30
NUC4095-09	GW-241809_SL-MW-12	Ground Water	03/23/11 08:30	03/24/11 08:30

Qualifier Definition/Glossary

Client: Conestoga-Rovers & Asso. (Everett)/ Shell
Project/Site: SAP 120531

TestAmerica Job ID: NUC4095

Qualifiers

GCMS Volatiles

Qualifier	Qualifier Description
Z2	Surrogate recovery was above the acceptance limits. Data not impacted.

GCMS Semivolatiles

Qualifier	Qualifier Description
MNR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike.

GC Volatiles

Qualifier	Qualifier Description
Z2	Surrogate recovery was above the acceptance limits. Data not impacted.
ZX	Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.

GC Semivolatiles

Qualifier	Qualifier Description
MNR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike.
QP5	There was insufficient contamination present to perform a pattern match.
QP6	The contamination did not match any standards in our library.
QP7	The hydrocarbon pattern most closely resembles a gasoline product.

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.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

Client Sample ID: GW-241809_SL-MW-1
Lab Sample ID: NUC4095-01
Date Collected: 03/23/11 11:00
Matrix: Ground Water
Date Received: 03/24/11 08:30
Sampler Name: S. Lane
Sampler Phone Number: (425) 563-6511

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tert-Amyl Methyl Ether	ND		1.00		ug/L		03/25/11 10:11	03/30/11 16:00	1.00
Benzene	**41.0**		1.00		ug/L		03/25/11 10:11	03/30/11 16:00	1.00
Ethyl tert-Butyl Ether	ND		1.00		ug/L		03/25/11 10:11	03/30/11 16:00	1.00
Toluene	**11.5**		1.00		ug/L		03/25/11 10:11	03/30/11 16:00	1.00
Diisopropyl Ether	ND		1.00		ug/L		03/25/11 10:11	03/30/11 16:00	1.00
Methyl tert-Butyl Ether	ND		1.00		ug/L		03/25/11 10:11	03/30/11 16:00	1.00
Tertiary Butyl Alcohol	ND		20.0		ug/L		03/25/11 10:11	03/30/11 16:00	1.00
Xylenes, total	**333**		3.00		ug/L		03/25/11 10:11	03/30/11 16:00	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*130*		*63 - 140*	*03/25/11 10:11*	*03/30/11 16:00*	*1.00*
Dibromofluoromethane	*114*		*73 - 131*	*03/25/11 10:11*	*03/30/11 16:00*	*1.00*
Toluene-d8	*101*		*80 - 120*	*03/25/11 10:11*	*03/30/11 16:00*	*1.00*
4-Bromofluorobenzene	*94*		*79 - 125*	*03/25/11 10:11*	*03/30/11 16:00*	*1.00*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	**206**		5.00		ug/L		03/25/11 10:11	03/31/11 19:07	5.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*121*		*63 - 140*	*03/25/11 10:11*	*03/31/11 19:07*	*5.00*
Dibromofluoromethane	*110*		*73 - 131*	*03/25/11 10:11*	*03/31/11 19:07*	*5.00*
Toluene-d8	*101*		*80 - 120*	*03/25/11 10:11*	*03/31/11 19:07*	*5.00*
4-Bromofluorobenzene	*96*		*79 - 125*	*03/25/11 10:11*	*03/31/11 19:07*	*5.00*

Method: SW846 8270CSIM - Polyaromatic Hydrocarbons by EPA 8270C SIM - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**47.9**		0.962		ug/L		03/25/11 13:40	03/27/11 03:47	10.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*60*		*27 - 120*	*03/25/11 13:40*	*03/27/11 03:47*	*10.0*
2-Fluorobiphenyl	*50*		*29 - 120*	*03/25/11 13:40*	*03/27/11 03:47*	*10.0*
Terphenyl-d14	*40*		*13 - 120*	*03/25/11 13:40*	*03/27/11 03:47*	*10.0*

Method: NWTPH-Gx - Purgeable Petroleum Hydrocarbons - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12) NW	**10100**		1000		ug/L		04/01/11 10:00	04/01/11 20:06	10.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*143*		*50 - 150*	*04/01/11 10:00*	*04/01/11 20:06*	*10.0*

Method: NWTPH-Dx - Extractable Petroleum Hydrocarbons with Silica Gel Treatment

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	**201**	**QP6**	100		ug/L		03/26/11 14:20	03/29/11 04:18	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*76*		*50 - 150*	*03/26/11 14:20*	*03/29/11 04:18*	*1.00*

Method: NWTPH-Dx - Extractable Petroleum Hydrocarbons with Silica Gel Treatment - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel	**1780**	**QP7**	400		ug/L		03/26/11 14:20	03/29/11 16:59	4.00

Client Sample ID: GW-241809_SL-MW-3
Lab Sample ID: NUC4095-02
Date Collected: 03/23/11 10:20
Matrix: Ground Water
Date Received: 03/24/11 08:30
Sampler Name: S. Lane
Sampler Phone Number: (425) 563-6511

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tert-Amyl Methyl Ether	ND		1.00		ug/L		03/25/11 10:11	03/30/11 16:26	1.00
Benzene	ND		1.00		ug/L		03/25/11 10:11	03/30/11 16:26	1.00
Ethylbenzene	ND		1.00		ug/L		03/25/11 10:11	03/30/11 16:26	1.00
Ethyl tert-Butyl Ether	ND		1.00		ug/L		03/25/11 10:11	03/30/11 16:26	1.00
Toluene	ND		1.00		ug/L		03/25/11 10:11	03/30/11 16:26	1.00
Diisopropyl Ether	ND		1.00		ug/L		03/25/11 10:11	03/30/11 16:26	1.00
Methyl tert-Butyl Ether	ND		1.00		ug/L		03/25/11 10:11	03/30/11 16:26	1.00
Tertiary Butyl Alcohol	ND		20.0		ug/L		03/25/11 10:11	03/30/11 16:26	1.00
Xylenes, total	ND		3.00		ug/L		03/25/11 10:11	03/30/11 16:26	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*117*		*63 - 140*	*03/25/11 10:11*	*03/30/11 16:26*	*1.00*
Dibromofluoromethane	*107*		*73 - 131*	*03/25/11 10:11*	*03/30/11 16:26*	*1.00*
Toluene-d8	*105*		*80 - 120*	*03/25/11 10:11*	*03/30/11 16:26*	*1.00*
4-Bromofluorobenzene	*102*		*79 - 125*	*03/25/11 10:11*	*03/30/11 16:26*	*1.00*

Method: NWTPH-Gx - Purgeable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12) NW	ND		100		ug/L		03/31/11 15:00	04/01/11 03:13	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*97*		*50 - 150*	*03/31/11 15:00*	*04/01/11 03:13*	*1.00*

Method: NWTPH-Dx - Extractable Petroleum Hydrocarbons with Silica Gel Treatment

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel	ND		97.1		ug/L		03/26/11 14:20	03/29/11 04:36	1.00
Motor Oil	**160**	**QP6**	97.1		ug/L		03/26/11 14:20	03/29/11 04:36	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*72*		*50 - 150*	*03/26/11 14:20*	*03/29/11 04:36*	*1.00*

Client Sample ID: GW-241809_SL-MW-4
Lab Sample ID: NUC4095-03
Date Collected: 03/23/11 08:50
Matrix: Ground Water
Date Received: 03/24/11 08:30
Sampler Name: S. Lane
Sampler Phone Number: (425) 563-6511

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tert-Amyl Methyl Ether	ND		1.00		ug/L		03/25/11 10:11	03/30/11 16:51	1.00
Benzene	ND		1.00		ug/L		03/25/11 10:11	03/30/11 16:51	1.00
Ethylbenzene	ND		1.00		ug/L		03/25/11 10:11	03/30/11 16:51	1.00
Ethyl tert-Butyl Ether	ND		1.00		ug/L		03/25/11 10:11	03/30/11 16:51	1.00
Toluene	ND		1.00		ug/L		03/25/11 10:11	03/30/11 16:51	1.00
Diisopropyl Ether	ND		1.00		ug/L		03/25/11 10:11	03/30/11 16:51	1.00
Methyl tert-Butyl Ether	ND		1.00		ug/L		03/25/11 10:11	03/30/11 16:51	1.00
Tertiary Butyl Alcohol	ND		20.0		ug/L		03/25/11 10:11	03/30/11 16:51	1.00
Xylenes, total	ND		3.00		ug/L		03/25/11 10:11	03/30/11 16:51	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*130*		*63 - 140*	*03/25/11 10:11*	*03/30/11 16:51*	*1.00*
Dibromofluoromethane	*111*		*73 - 131*	*03/25/11 10:11*	*03/30/11 16:51*	*1.00*
Toluene-d8	*101*		*80 - 120*	*03/25/11 10:11*	*03/30/11 16:51*	*1.00*
4-Bromofluorobenzene	*102*		*79 - 125*	*03/25/11 10:11*	*03/30/11 16:51*	*1.00*

Method: NWTPH-Gx - Purgeable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12) NW	ND		100		ug/L		03/31/11 15:00	04/01/11 03:43	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*89*		*50 - 150*	*03/31/11 15:00*	*04/01/11 03:43*	*1.00*

Method: NWTPH-Dx - Extractable Petroleum Hydrocarbons with Silica Gel Treatment

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel	ND		98.0		ug/L		03/26/11 14:20	03/29/11 04:55	1.00
Motor Oil	ND		98.0		ug/L		03/26/11 14:20	03/29/11 04:55	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*68*		*50 - 150*	*03/26/11 14:20*	*03/29/11 04:55*	*1.00*

Client Sample ID: GW-241809_SL-MW-5
Lab Sample ID: NUC4095-04
Date Collected: 03/23/11 09:15
Matrix: Ground Water
Date Received: 03/24/11 08:30
Sampler Name: S. Lane
Sampler Phone Number: (425) 563-6511

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tert-Amyl Methyl Ether	ND		1.00		ug/L		03/25/11 10:11	03/30/11 17:16	1.00
Benzene	ND		1.00		ug/L		03/25/11 10:11	03/30/11 17:16	1.00
Ethylbenzene	ND		1.00		ug/L		03/25/11 10:11	03/30/11 17:16	1.00
Ethyl tert-Butyl Ether	ND		1.00		ug/L		03/25/11 10:11	03/30/11 17:16	1.00
Toluene	ND		1.00		ug/L		03/25/11 10:11	03/30/11 17:16	1.00
Diisopropyl Ether	ND		1.00		ug/L		03/25/11 10:11	03/30/11 17:16	1.00
Methyl tert-Butyl Ether	ND		1.00		ug/L		03/25/11 10:11	03/30/11 17:16	1.00
Tertiary Butyl Alcohol	ND		20.0		ug/L		03/25/11 10:11	03/30/11 17:16	1.00
Xylenes, total	ND		3.00		ug/L		03/25/11 10:11	03/30/11 17:16	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*136*		*63 - 140*	*03/25/11 10:11*	*03/30/11 17:16*	*1.00*
Dibromofluoromethane	*113*		*73 - 131*	*03/25/11 10:11*	*03/30/11 17:16*	*1.00*
Toluene-d8	*99*		*80 - 120*	*03/25/11 10:11*	*03/30/11 17:16*	*1.00*
4-Bromofluorobenzene	*101*		*79 - 125*	*03/25/11 10:11*	*03/30/11 17:16*	*1.00*

Method: NWTPH-Gx - Purgeable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12) NW	ND		100		ug/L		03/31/11 15:00	04/01/11 04:12	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*104*		*50 - 150*	*03/31/11 15:00*	*04/01/11 04:12*	*1.00*

Method: NWTPH-Dx - Extractable Petroleum Hydrocarbons with Silica Gel Treatment

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel	ND		94.3		ug/L		03/26/11 14:20	03/29/11 05:13	1.00
Motor Oil	**117**	**QP6**	94.3		ug/L		03/26/11 14:20	03/29/11 05:13	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*77*		*50 - 150*	*03/26/11 14:20*	*03/29/11 05:13*	*1.00*

Client Sample ID: GW-241809_SL-MW-8
Lab Sample ID: NUC4095-05
Date Collected: 03/23/11 09:30
Matrix: Ground Water
Date Received: 03/24/11 08:30
Sampler Name: S. Lane
Sampler Phone Number: (425) 563-6511

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tert-Amyl Methyl Ether	ND		1.00		ug/L		03/25/11 10:11	03/30/11 17:41	1.00
Benzene	ND		1.00		ug/L		03/25/11 10:11	03/30/11 17:41	1.00
Ethylbenzene	ND		1.00		ug/L		03/25/11 10:11	03/30/11 17:41	1.00
Ethyl tert-Butyl Ether	ND		1.00		ug/L		03/25/11 10:11	03/30/11 17:41	1.00
Toluene	ND		1.00		ug/L		03/25/11 10:11	03/30/11 17:41	1.00
Diisopropyl Ether	ND		1.00		ug/L		03/25/11 10:11	03/30/11 17:41	1.00
Methyl tert-Butyl Ether	ND		1.00		ug/L		03/25/11 10:11	03/30/11 17:41	1.00
Tertiary Butyl Alcohol	ND		20.0		ug/L		03/25/11 10:11	03/30/11 17:41	1.00
Xylenes, total	ND		3.00		ug/L		03/25/11 10:11	03/30/11 17:41	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*137*		*63 - 140*	*03/25/11 10:11*	*03/30/11 17:41*	*1.00*
Dibromofluoromethane	*114*		*73 - 131*	*03/25/11 10:11*	*03/30/11 17:41*	*1.00*
Toluene-d8	*101*		*80 - 120*	*03/25/11 10:11*	*03/30/11 17:41*	*1.00*
4-Bromofluorobenzene	*103*		*79 - 125*	*03/25/11 10:11*	*03/30/11 17:41*	*1.00*

Method: NWTPH-Gx - Purgeable Petroleum Hydrocarbons - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12) NW	ND		100		ug/L		04/01/11 10:00	04/01/11 19:36	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*103*		*50 - 150*	*04/01/11 10:00*	*04/01/11 19:36*	*1.00*

Method: NWTPH-Dx - Extractable Petroleum Hydrocarbons with Silica Gel Treatment

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel	ND		98.0		ug/L		03/26/11 14:20	03/29/11 05:32	1.00
Motor Oil	**193**	**QP6**	98.0		ug/L		03/26/11 14:20	03/29/11 05:32	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*75*		*50 - 150*	*03/26/11 14:20*	*03/29/11 05:32*	*1.00*

Client Sample ID: GW-241809_SL-MW-9
Lab Sample ID: NUC4095-06
Date Collected: 03/23/11 11:20
Matrix: Ground Water
Date Received: 03/24/11 08:30
Sampler Name: S. Lane
Sampler Phone Number: (425) 563-6511

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tert-Amyl Methyl Ether	ND		1.00		ug/L		03/25/11 10:11	03/30/11 18:07	1.00
Benzene	**51.8**		1.00		ug/L		03/25/11 10:11	03/30/11 18:07	1.00
Ethyl tert-Butyl Ether	ND		1.00		ug/L		03/25/11 10:11	03/30/11 18:07	1.00
Toluene	**30.5**		1.00		ug/L		03/25/11 10:11	03/30/11 18:07	1.00
Diisopropyl Ether	ND		1.00		ug/L		03/25/11 10:11	03/30/11 18:07	1.00
Methyl tert-Butyl Ether	ND		1.00		ug/L		03/25/11 10:11	03/30/11 18:07	1.00
Tertiary Butyl Alcohol	ND		20.0		ug/L		03/25/11 10:11	03/30/11 18:07	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*129*		*63 - 140*	*03/25/11 10:11*	*03/30/11 18:07*	*1.00*
Dibromofluoromethane	*111*		*73 - 131*	*03/25/11 10:11*	*03/30/11 18:07*	*1.00*
Toluene-d8	*96*		*80 - 120*	*03/25/11 10:11*	*03/30/11 18:07*	*1.00*
4-Bromofluorobenzene	*105*		*79 - 125*	*03/25/11 10:11*	*03/30/11 18:07*	*1.00*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	**551**		10.0		ug/L		03/25/11 10:11	03/31/11 19:32	10.0
Xylenes, total	**857**		30.0		ug/L		03/25/11 10:11	03/31/11 19:32	10.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*116*		*63 - 140*	*03/25/11 10:11*	*03/31/11 19:32*	*10.0*
Dibromofluoromethane	*105*		*73 - 131*	*03/25/11 10:11*	*03/31/11 19:32*	*10.0*
Toluene-d8	*99*		*80 - 120*	*03/25/11 10:11*	*03/31/11 19:32*	*10.0*
4-Bromofluorobenzene	*92*		*79 - 125*	*03/25/11 10:11*	*03/31/11 19:32*	*10.0*

Method: SW846 8270CSIM - Polyaromatic Hydrocarbons by EPA 8270C SIM - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**42.0**		1.98		ug/L		03/25/11 13:40	03/27/11 04:08	20.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*60*		*27 - 120*	*03/25/11 13:40*	*03/27/11 04:08*	*20.0*
2-Fluorobiphenyl	*60*		*29 - 120*	*03/25/11 13:40*	*03/27/11 04:08*	*20.0*
Terphenyl-d14	*60*		*13 - 120*	*03/25/11 13:40*	*03/27/11 04:08*	*20.0*

Method: NWTPH-Gx - Purgeable Petroleum Hydrocarbons - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12) NW	**19000**		2500		ug/L		04/01/11 10:00	04/01/11 20:35	25.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*97*		*50 - 150*	*04/01/11 10:00*	*04/01/11 20:35*	*25.0*

Method: NWTPH-Dx - Extractable Petroleum Hydrocarbons with Silica Gel Treatment

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	**191**	**QP6**	95.2		ug/L		03/26/11 14:20	03/29/11 05:50	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*70*		*50 - 150*	*03/26/11 14:20*	*03/29/11 05:50*	*1.00*

Method: NWTPH-Dx - Extractable Petroleum Hydrocarbons with Silica Gel Treatment - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel	**2890**	**QP7**	381		ug/L		03/26/11 14:20	03/29/11 17:15	4.00

Client Sample ID: GW-241809_SL-MW-10
Lab Sample ID: NUC4095-07
Date Collected: 03/23/11 09:50
Matrix: Ground Water
Date Received: 03/24/11 08:30
Sampler Name: S. Lane
Sampler Phone Number: (425) 563-6511

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tert-Amyl Methyl Ether	ND		1.00		ug/L		03/25/11 10:11	03/30/11 18:32	1.00
Benzene	ND		1.00		ug/L		03/25/11 10:11	03/30/11 18:32	1.00
Ethylbenzene	ND		1.00		ug/L		03/25/11 10:11	03/30/11 18:32	1.00
Ethyl tert-Butyl Ether	ND		1.00		ug/L		03/25/11 10:11	03/30/11 18:32	1.00
Toluene	ND		1.00		ug/L		03/25/11 10:11	03/30/11 18:32	1.00
Diisopropyl Ether	ND		1.00		ug/L		03/25/11 10:11	03/30/11 18:32	1.00
Methyl tert-Butyl Ether	ND		1.00		ug/L		03/25/11 10:11	03/30/11 18:32	1.00
Tertiary Butyl Alcohol	ND		20.0		ug/L		03/25/11 10:11	03/30/11 18:32	1.00
Xylenes, total	ND		3.00		ug/L		03/25/11 10:11	03/30/11 18:32	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*108*		*63 - 140*	*03/25/11 10:11*	*03/30/11 18:32*	*1.00*
Dibromofluoromethane	*106*		*73 - 131*	*03/25/11 10:11*	*03/30/11 18:32*	*1.00*
Toluene-d8	*100*		*80 - 120*	*03/25/11 10:11*	*03/30/11 18:32*	*1.00*
4-Bromofluorobenzene	*98*		*79 - 125*	*03/25/11 10:11*	*03/30/11 18:32*	*1.00*

Method: NWTPH-Gx - Purgeable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12) NW	ND		100		ug/L		03/31/11 15:00	04/01/11 05:40	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*113*		*50 - 150*	*03/31/11 15:00*	*04/01/11 05:40*	*1.00*

Method: NWTPH-Dx - Extractable Petroleum Hydrocarbons with Silica Gel Treatment

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel	ND		97.1		ug/L		03/26/11 14:20	03/29/11 06:08	1.00
Motor Oil	ND		97.1		ug/L		03/26/11 14:20	03/29/11 06:08	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*78*		*50 - 150*	*03/26/11 14:20*	*03/29/11 06:08*	*1.00*

Client Sample ID: GW-241809_SL-MW-11 — **Lab Sample ID: NUC4095-08**

Date Collected: 03/23/11 10:40 — **Matrix: Ground Water**

Date Received: 03/24/11 08:30

Sampler Name: S. Lane — **Sampler Phone Number: (425) 563-6511**

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tert-Amyl Methyl Ether	ND		1.00		ug/L		03/25/11 10:11	03/30/11 18:57	1.00
Benzene	**1.14**		1.00		ug/L		03/25/11 10:11	03/30/11 18:57	1.00
Ethylbenzene	ND		1.00		ug/L		03/25/11 10:11	03/30/11 18:57	1.00
Ethyl tert-Butyl Ether	ND		1.00		ug/L		03/25/11 10:11	03/30/11 18:57	1.00
Toluene	ND		1.00		ug/L		03/25/11 10:11	03/30/11 18:57	1.00
Diisopropyl Ether	ND		1.00		ug/L		03/25/11 10:11	03/30/11 18:57	1.00
Methyl tert-Butyl Ether	ND		1.00		ug/L		03/25/11 10:11	03/30/11 18:57	1.00
Tertiary Butyl Alcohol	ND		20.0		ug/L		03/25/11 10:11	03/30/11 18:57	1.00
Xylenes, total	ND		3.00		ug/L		03/25/11 10:11	03/30/11 18:57	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*111*		*63 - 140*	*03/25/11 10:11*	*03/30/11 18:57*	*1.00*
Dibromofluoromethane	*106*		*73 - 131*	*03/25/11 10:11*	*03/30/11 18:57*	*1.00*
Toluene-d8	*103*		*80 - 120*	*03/25/11 10:11*	*03/30/11 18:57*	*1.00*
4-Bromofluorobenzene	*99*		*79 - 125*	*03/25/11 10:11*	*03/30/11 18:57*	*1.00*

Method: SW846 8270CSIM - Polyaromatic Hydrocarbons by EPA 8270C SIM

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**0.814**		0.0980		ug/L		03/25/11 13:40	03/27/11 11:32	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*71*		*27 - 120*	*03/25/11 13:40*	*03/27/11 11:32*	*1.00*
2-Fluorobiphenyl	*58*		*29 - 120*	*03/25/11 13:40*	*03/27/11 11:32*	*1.00*
Terphenyl-d14	*39*		*13 - 120*	*03/25/11 13:40*	*03/27/11 11:32*	*1.00*

Method: NWTPH-Gx - Purgeable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12) NW	**665**		100		ug/L		03/31/11 15:00	04/01/11 06:09	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*99*		*50 - 150*	*03/31/11 15:00*	*04/01/11 06:09*	*1.00*

Method: NWTPH-Dx - Extractable Petroleum Hydrocarbons with Silica Gel Treatment

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel	**155**	**QP5**	105		ug/L		03/26/11 14:20	03/29/11 06:27	1.00
Motor Oil	ND		105		ug/L		03/26/11 14:20	03/29/11 06:27	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*80*		*50 - 150*	*03/26/11 14:20*	*03/29/11 06:27*	*1.00*

Client Sample ID: GW-241809_SL-MW-12
Lab Sample ID: NUC4095-09
Date Collected: 03/23/11 08:30
Matrix: Ground Water
Date Received: 03/24/11 08:30
Sampler Name: S. Lane
Sampler Phone Number: (425) 563-6511

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tert-Amyl Methyl Ether	ND		1.00		ug/L		03/25/11 10:11	03/30/11 19:22	1.00
Benzene	ND		1.00		ug/L		03/25/11 10:11	03/30/11 19:22	1.00
Ethylbenzene	ND		1.00		ug/L		03/25/11 10:11	03/30/11 19:22	1.00
Ethyl tert-Butyl Ether	ND		1.00		ug/L		03/25/11 10:11	03/30/11 19:22	1.00
Toluene	ND		1.00		ug/L		03/25/11 10:11	03/30/11 19:22	1.00
Diisopropyl Ether	ND		1.00		ug/L		03/25/11 10:11	03/30/11 19:22	1.00
Methyl tert-Butyl Ether	ND		1.00		ug/L		03/25/11 10:11	03/30/11 19:22	1.00
Tertiary Butyl Alcohol	ND		20.0		ug/L		03/25/11 10:11	03/30/11 19:22	1.00
Xylenes, total	ND		3.00		ug/L		03/25/11 10:11	03/30/11 19:22	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*126*		*63 - 140*	*03/25/11 10:11*	*03/30/11 19:22*	*1.00*
Dibromofluoromethane	*111*		*73 - 131*	*03/25/11 10:11*	*03/30/11 19:22*	*1.00*
Toluene-d8	*101*		*80 - 120*	*03/25/11 10:11*	*03/30/11 19:22*	*1.00*
4-Bromofluorobenzene	*101*		*79 - 125*	*03/25/11 10:11*	*03/30/11 19:22*	*1.00*

Method: SW846 8270CSIM - Polyaromatic Hydrocarbons by EPA 8270C SIM

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.0990		ug/L		03/25/11 13:40	03/27/11 11:53	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*77*		*27 - 120*	*03/25/11 13:40*	*03/27/11 11:53*	*1.00*
2-Fluorobiphenyl	*61*		*29 - 120*	*03/25/11 13:40*	*03/27/11 11:53*	*1.00*
Terphenyl-d14	*59*		*13 - 120*	*03/25/11 13:40*	*03/27/11 11:53*	*1.00*

Method: NWTPH-Gx - Purgeable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12) NW	ND		100		ug/L		03/31/11 15:00	04/01/11 06:38	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*66*		*50 - 150*	*03/31/11 15:00*	*04/01/11 06:38*	*1.00*

Method: NWTPH-Dx - Extractable Petroleum Hydrocarbons with Silica Gel Treatment

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel	ND		98.0		ug/L		03/26/11 14:20	03/29/11 06:45	1.00
Motor Oil	ND		98.0		ug/L		03/26/11 14:20	03/29/11 06:45	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*76*		*50 - 150*	*03/26/11 14:20*	*03/29/11 06:45*	*1.00*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Lab Sample ID: 11C6289-BLK1
Matrix: Water
Analysis Batch: U005364

Client Sample ID: 11C6289-BLK1
Prep Type: total
Prep Batch: 11C6289_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L		03/25/11 10:11	03/31/11 14:54	1.00
Ethylbenzene	ND		1.00		ug/L		03/25/11 10:11	03/31/11 14:54	1.00
Toluene	ND		1.00		ug/L		03/25/11 10:11	03/31/11 14:54	1.00
Xylenes, total	ND		3.00		ug/L		03/25/11 10:11	03/31/11 14:54	1.00

Surrogate	*Blank % Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*137*		*63 - 140*	*03/25/11 10:11*	*03/31/11 14:54*	*1.00*
Dibromofluoromethane	*116*		*73 - 131*	*03/25/11 10:11*	*03/31/11 14:54*	*1.00*
Toluene-d8	*100*		*80 - 120*	*03/25/11 10:11*	*03/31/11 14:54*	*1.00*
4-Bromofluorobenzene	*101*		*79 - 125*	*03/25/11 10:11*	*03/31/11 14:54*	*1.00*

Lab Sample ID: 11C6289-BS1
Matrix: Water
Analysis Batch: U005364

Client Sample ID: 11C6289-BS1
Prep Type: total
Prep Batch: 11C6289_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Benzene	20.0	19.9		ug/L		100	80 - 121
Ethylbenzene	20.0	22.2		ug/L		111	78 - 133
Toluene	20.0	21.0		ug/L		105	78 - 125
Xylenes, total	60.0	69.2		ug/L		115	78 - 134

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4	*142*	*Z2*	*63 - 140*
Dibromofluoromethane	*114*		*73 - 131*
Toluene-d8	*100*		*80 - 120*
4-Bromofluorobenzene	*95*		*79 - 125*

Lab Sample ID: 11C6289-MS1
Matrix: Water
Analysis Batch: U005364

Client Sample ID: GW-241809_SL-MW-1
Prep Type: total
Prep Batch: 11C6289_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits
Benzene	42.8		250	267		ug/L		90	65 - 151
Ethylbenzene	206		250	483		ug/L		111	68 - 157
Toluene	12.8		250	254		ug/L		97	61 - 153
Xylenes, total	343		750	1190		ug/L		112	68 - 158

Surrogate	*Matrix Spike % Recovery*	*Matrix Spike Qualifier*	*Limits*
1,2-Dichloroethane-d4	*132*		*63 - 140*
Dibromofluoromethane	*120*		*73 - 131*
Toluene-d8	*100*		*80 - 120*
4-Bromofluorobenzene	*94*		*79 - 125*

Lab Sample ID: 11C6289-MSD1
Matrix: Water
Analysis Batch: U005364

Client Sample ID: GW-241809_SL-MW-1
Prep Type: total
Prep Batch: 11C6289_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Benzene	42.8		250	282		ug/L		96	65 - 151	5	12

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11C6289-MSD1
Matrix: Water
Analysis Batch: U005364

Client Sample ID: GW-241809_SL-MW-1
Prep Type: total
Prep Batch: 11C6289_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Ethylbenzene	206		250	461		ug/L		102	68 - 157	5	12
Toluene	12.8		250	251		ug/L		95	61 - 153	1	35
Xylenes, total	343		750	1110		ug/L		102	68 - 158	6	18

Surrogate	*Matrix Spike Dup % Recovery*	*Matrix Spike Dup Qualifier*	*Limits*
1,2-Dichloroethane-d4	*125*		*63 - 140*
Dibromofluoromethane	*115*		*73 - 131*
Toluene-d8	*100*		*80 - 120*
4-Bromofluorobenzene	*97*		*79 - 125*

Lab Sample ID: 11C6600-BLK1
Matrix: Water
Analysis Batch: U005345

Client Sample ID: 11C6600-BLK1
Prep Type: total
Prep Batch: 11C6600_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tert-Amyl Methyl Ether	ND		1.00		ug/L		03/26/11 13:02	03/30/11 14:33	1.00
Benzene	ND		1.00		ug/L		03/26/11 13:02	03/30/11 14:33	1.00
Ethylbenzene	ND		1.00		ug/L		03/26/11 13:02	03/30/11 14:33	1.00
Ethyl tert-Butyl Ether	ND		1.00		ug/L		03/26/11 13:02	03/30/11 14:33	1.00
Toluene	ND		1.00		ug/L		03/26/11 13:02	03/30/11 14:33	1.00
Diisopropyl Ether	ND		1.00		ug/L		03/26/11 13:02	03/30/11 14:33	1.00
Methyl tert-Butyl Ether	ND		1.00		ug/L		03/26/11 13:02	03/30/11 14:33	1.00
Tertiary Butyl Alcohol	ND		20.0		ug/L		03/26/11 13:02	03/30/11 14:33	1.00
Xylenes, total	ND		3.00		ug/L		03/26/11 13:02	03/30/11 14:33	1.00

Surrogate	*Blank % Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*140*		*63 - 140*	*03/26/11 13:02*	*03/30/11 14:33*	*1.00*
Dibromofluoromethane	*114*		*73 - 131*	*03/26/11 13:02*	*03/30/11 14:33*	*1.00*
Toluene-d8	*100*		*80 - 120*	*03/26/11 13:02*	*03/30/11 14:33*	*1.00*
4-Bromofluorobenzene	*101*		*79 - 125*	*03/26/11 13:02*	*03/30/11 14:33*	*1.00*

Lab Sample ID: 11C6600-BS1
Matrix: Water
Analysis Batch: U005345

Client Sample ID: 11C6600-BS1
Prep Type: total
Prep Batch: 11C6600_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Tert-Amyl Methyl Ether	20.0	15.7		ug/L		79	70 - 133
Benzene	20.0	20.8		ug/L		104	80 - 121
Ethylbenzene	20.0	22.6		ug/L		113	78 - 133
Ethyl tert-Butyl Ether	20.0	17.5		ug/L		88	68 - 138
Toluene	20.0	21.9		ug/L		109	78 - 125
Diisopropyl Ether	20.0	19.7		ug/L		98	63 - 136
Methyl tert-Butyl Ether	20.0	19.9		ug/L		100	76 - 120
Tertiary Butyl Alcohol	200	209		ug/L		105	60 - 140
Xylenes, total	60.0	69.7		ug/L		116	78 - 134

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4	*135*		*63 - 140*
Dibromofluoromethane	*112*		*73 - 131*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11C6600-BS1
Matrix: Water
Analysis Batch: U005345

Client Sample ID: 11C6600-BS1
Prep Type: total
Prep Batch: 11C6600_P

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8	*99*		*80 - 120*
4-Bromofluorobenzene	*97*		*79 - 125*

Lab Sample ID: 11C6600-MS1
Matrix: Water
Analysis Batch: U005345

Client Sample ID: NUC4104-04RE1
Prep Type: total
Prep Batch: 11C6600_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits
Tert-Amyl Methyl Ether	ND		2500	1960		ug/L		78	69 - 139
Benzene	3390		2500	5440		ug/L		82	65 - 151
Ethylbenzene	1060		2500	3440		ug/L		95	68 - 157
Ethyl tert-Butyl Ether	ND		2500	2070		ug/L		83	68 - 139
Toluene	888		2500	3300		ug/L		97	61 - 153
Diisopropyl Ether	ND		2500	2300		ug/L		92	59 - 145
Methyl tert-Butyl Ether	ND		2500	2190		ug/L		88	56 - 152
Tertiary Butyl Alcohol	ND		25000	23300		ug/L		93	14 - 200
Xylenes, total	3740		7500	10400		ug/L		89	68 - 158

Surrogate	*Matrix Spike % Recovery*	*Matrix Spike Qualifier*	*Limits*
1,2-Dichloroethane-d4	*99*		*63 - 140*
Dibromofluoromethane	*100*		*73 - 131*
Toluene-d8	*101*		*80 - 120*
4-Bromofluorobenzene	*102*		*79 - 125*

Lab Sample ID: 11C6600-MSD1
Matrix: Water
Analysis Batch: U005345

Client Sample ID: NUC4104-04RE1
Prep Type: total
Prep Batch: 11C6600_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Tert-Amyl Methyl Ether	ND		2500	1980		ug/L		79	69 - 139	0.9	16
Benzene	3390		2500	5400		ug/L		80	65 - 151	0.6	12
Ethylbenzene	1060		2500	3430		ug/L		95	68 - 157	0.2	12
Ethyl tert-Butyl Ether	ND		2500	2080		ug/L		83	68 - 139	0.3	16
Toluene	888		2500	3240		ug/L		94	61 - 153	2	35
Diisopropyl Ether	ND		2500	2240		ug/L		90	59 - 145	3	32
Methyl tert-Butyl Ether	ND		2500	2200		ug/L		88	56 - 152	0.2	32
Tertiary Butyl Alcohol	ND		25000	24100		ug/L		96	14 - 200	3	30
Xylenes, total	3740		7500	10500		ug/L		90	68 - 158	0.4	18

Surrogate	*Matrix Spike Dup % Recovery*	*Matrix Spike Dup Qualifier*	*Limits*
1,2-Dichloroethane-d4	*103*		*63 - 140*
Dibromofluoromethane	*102*		*73 - 131*
Toluene-d8	*100*		*80 - 120*
4-Bromofluorobenzene	*99*		*79 - 125*

Method: SW846 8270CSIM - Polyaromatic Hydrocarbons by EPA 8270C SIM

Lab Sample ID: 11C6253-BLK1
Matrix: Water
Analysis Batch: 11C6253

Client Sample ID: 11C6253-BLK1
Prep Type: total
Prep Batch: 11C6253_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.100		ug/L		03/25/11 13:40	03/26/11 18:25	1.00
Acenaphthylene	ND		0.100		ug/L		03/25/11 13:40	03/26/11 18:25	1.00
Anthracene	ND		0.100		ug/L		03/25/11 13:40	03/26/11 18:25	1.00
Benzo (a) anthracene	ND		0.100		ug/L		03/25/11 13:40	03/26/11 18:25	1.00
Benzo (a) pyrene	ND		0.100		ug/L		03/25/11 13:40	03/26/11 18:25	1.00
Benzo (b) fluoranthene	ND		0.100		ug/L		03/25/11 13:40	03/26/11 18:25	1.00
Benzo (g,h,i) perylene	ND		0.100		ug/L		03/25/11 13:40	03/26/11 18:25	1.00
Benzo (k) fluoranthene	ND		0.100		ug/L		03/25/11 13:40	03/26/11 18:25	1.00
Chrysene	ND		0.100		ug/L		03/25/11 13:40	03/26/11 18:25	1.00
Dibenz (a,h) anthracene	ND		0.100		ug/L		03/25/11 13:40	03/26/11 18:25	1.00
Fluoranthene	ND		0.100		ug/L		03/25/11 13:40	03/26/11 18:25	1.00
Fluorene	ND		0.100		ug/L		03/25/11 13:40	03/26/11 18:25	1.00
Indeno (1,2,3-cd) pyrene	ND		0.100		ug/L		03/25/11 13:40	03/26/11 18:25	1.00
1-Methylnaphthalene	ND		0.100		ug/L		03/25/11 13:40	03/26/11 18:25	1.00
2-Methylnaphthalene	ND		0.100		ug/L		03/25/11 13:40	03/26/11 18:25	1.00
Naphthalene	ND		0.100		ug/L		03/25/11 13:40	03/26/11 18:25	1.00
Phenanthrene	ND		0.100		ug/L		03/25/11 13:40	03/26/11 18:25	1.00
Pyrene	ND		0.100		ug/L		03/25/11 13:40	03/26/11 18:25	1.00

Surrogate	*Blank % Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*86*		*27 - 120*	*03/25/11 13:40*	*03/26/11 18:25*	*1.00*
2-Fluorobiphenyl	*75*		*29 - 120*	*03/25/11 13:40*	*03/26/11 18:25*	*1.00*
Terphenyl-d14	*78*		*13 - 120*	*03/25/11 13:40*	*03/26/11 18:25*	*1.00*

Lab Sample ID: 11C6253-BS1
Matrix: Water
Analysis Batch: 11C6253

Client Sample ID: 11C6253-BS1
Prep Type: total
Prep Batch: 11C6253_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acenaphthene	1.00	0.630	MNR1	ug/L		63	43 - 122
Acenaphthylene	1.00	0.560	MNR1	ug/L		56	43 - 129
Anthracene	1.00	0.640	MNR1	ug/L		64	50 - 138
Benzo (a) anthracene	1.00	0.650	MNR1	ug/L		65	50 - 135
Benzo (a) pyrene	1.00	0.730	MNR1	ug/L		73	46 - 136
Benzo (b) fluoranthene	1.00	0.590	MNR1	ug/L		59	37 - 147
Benzo (g,h,i) perylene	1.00	0.660	MNR1	ug/L		66	30 - 145
Benzo (k) fluoranthene	1.00	0.960	MNR1	ug/L		96	47 - 135
Chrysene	1.00	0.810	MNR1	ug/L		81	47 - 138
Dibenz (a,h) anthracene	1.00	0.580	MNR1	ug/L		58	36 - 144
Fluoranthene	1.00	0.640	MNR1	ug/L		64	51 - 139
Fluorene	1.00	0.640	MNR1	ug/L		64	47 - 128
Indeno (1,2,3-cd) pyrene	1.00	0.580	MNR1	ug/L		58	32 - 142
1-Methylnaphthalene	1.00	0.530	MNR1	ug/L		53	37 - 126
2-Methylnaphthalene	1.00	0.580	MNR1	ug/L		58	41 - 121
Naphthalene	1.00	0.630	MNR1	ug/L		63	38 - 120
Phenanthrene	1.00	0.750	MNR1	ug/L		75	45 - 133
Pyrene	1.00	0.750	MNR1	ug/L		75	50 - 146

Method: SW846 8270CSIM - Polyaromatic Hydrocarbons by EPA 8270C SIM (Continued)

Lab Sample ID: 11C6253-BS1
Matrix: Water
Analysis Batch: 11C6253

Client Sample ID: 11C6253-BS1
Prep Type: total
Prep Batch: 11C6253_P

Surrogate	LCS % Recovery	LCS Qualifier	Limits
Nitrobenzene-d5	*80*		*27 - 120*
2-Fluorobiphenyl	*72*		*29 - 120*
Terphenyl-d14	*83*		*13 - 120*

Method: NWTPH-Gx - Purgeable Petroleum Hydrocarbons

Lab Sample ID: 11C7961-BLK1
Matrix: Water
Analysis Batch: U005465

Client Sample ID: 11C7961-BLK1
Prep Type: total
Prep Batch: 11C7961_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12) NW	ND		100		ug/L		03/31/11 00:00	03/31/11 19:24	1.00

Surrogate	Blank % Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	*124*		*50 - 150*	*03/31/11 00:00*	*03/31/11 19:24*	*1.00*

Lab Sample ID: 11C7961-BLK2
Matrix: Water
Analysis Batch: U005465

Client Sample ID: 11C7961-BLK2
Prep Type: total
Prep Batch: 11C7961_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12) NW	ND		100		ug/L		03/31/11 00:00	04/01/11 02:15	1.00

Surrogate	Blank % Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	*109*		*50 - 150*	*03/31/11 00:00*	*04/01/11 02:15*	*1.00*

Lab Sample ID: 11C7961-BS1
Matrix: Water
Analysis Batch: U005465

Client Sample ID: 11C7961-BS1
Prep Type: total
Prep Batch: 11C7961_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
GRO (C4-C12) NW	1000	1030		ug/L		103	70 - 130

Surrogate	LCS % Recovery	LCS Qualifier	Limits
a,a,a-Trifluorotoluene	*171*	*Z2*	*50 - 150*

Lab Sample ID: 11C7961-BS2
Matrix: Water
Analysis Batch: U005465

Client Sample ID: 11C7961-BS2
Prep Type: total
Prep Batch: 11C7961_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
GRO (C4-C12) NW	1000	1040		ug/L		104	70 - 130

Surrogate	LCS % Recovery	LCS Qualifier	Limits
a,a,a-Trifluorotoluene	*167*	*Z2*	*50 - 150*

Method: NWTPH-Gx - Purgeable Petroleum Hydrocarbons (Continued)

Lab Sample ID: 11C7961-BSD1 — **Client Sample ID: 11C7961-BSD1**
Matrix: Water — **Prep Type: total**
Analysis Batch: U005465 — **Prep Batch: 11C7961_P**

Analyte			Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
GRO (C4-C12) NW			1000	993		ug/L		99	70 - 130	4	37

Surrogate	*LCS Dup % Recovery*	*LCS Dup Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*202*	*Z2*	*50 - 150*

Lab Sample ID: 11C7961-MS1 — **Client Sample ID: NUC4249-03**
Matrix: Water — **Prep Type: total**
Analysis Batch: U005465 — **Prep Batch: 11C7961_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits
GRO (C4-C12) NW	163		1000	1020		ug/L		86	58 - 139

Surrogate	*Matrix Spike % Recovery*	*Matrix Spike Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*187*	*ZX*	*50 - 150*

Lab Sample ID: 11C7961-MS2 — **Client Sample ID: GW-241809_SL-MW-4**
Matrix: Water — **Prep Type: total**
Analysis Batch: U005465 — **Prep Batch: 11C7961_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits
GRO (C4-C12) NW	ND		1000	1160		ug/L		116	58 - 139

Surrogate	*Matrix Spike % Recovery*	*Matrix Spike Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*172*	*ZX*	*50 - 150*

Lab Sample ID: 11C7961-MSD1 — **Client Sample ID: NUC4249-03**
Matrix: Water — **Prep Type: total**
Analysis Batch: U005465 — **Prep Batch: 11C7961_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
GRO (C4-C12) NW	163		1000	1040		ug/L		88	58 - 139	2	37

Surrogate	*Matrix Spike Dup % Recovery*	*Matrix Spike Dup Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*178*	*ZX*	*50 - 150*

Lab Sample ID: 11C7961-MSD2 — **Client Sample ID: GW-241809_SL-MW-4**
Matrix: Water — **Prep Type: total**
Analysis Batch: U005465 — **Prep Batch: 11C7961_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
GRO (C4-C12) NW	ND		1000	1200		ug/L		120	58 - 139	4	37

Surrogate	*Matrix Spike Dup % Recovery*	*Matrix Spike Dup Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*180*	*ZX*	*50 - 150*

Method: NWTPH-Gx - Purgeable Petroleum Hydrocarbons (Continued)

Lab Sample ID: 11C7961-DUP1 — **Client Sample ID: GW-241809_SL-MW-11**
Matrix: Water — **Prep Type: total**
Analysis Batch: U005465 — **Prep Batch: 11C7961_P**

Analyte	Sample Result	Sample Qualifier		Duplicate Result	Duplicate Qualifier	Unit	D			RPD	RPD Limit
GRO (C4-C12) NW	665			673		ug/L				1	37

Surrogate	*Duplicate % Recovery*	*Duplicate Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*105*		*50 - 150*

Lab Sample ID: 11D0230-BLK1 — **Client Sample ID: 11D0230-BLK1**
Matrix: Water — **Prep Type: total**
Analysis Batch: U005529 — **Prep Batch: 11D0230_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12) NW	ND		100		ug/L		04/01/11 00:00	04/01/11 18:31	1.00

Surrogate	*Blank % Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*85*		*50 - 150*	*04/01/11 00:00*	*04/01/11 18:31*	*1.00*

Lab Sample ID: 11D0230-BLK2 — **Client Sample ID: 11D0230-BLK2**
Matrix: Water — **Prep Type: total**
Analysis Batch: 11D0230 — **Prep Batch: 11D0230_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12) NW	ND		100		ug/L		04/01/11 00:00	04/02/11 00:59	1.00

Surrogate	*Blank % Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*112*		*50 - 150*	*04/01/11 00:00*	*04/02/11 00:59*	*1.00*

Lab Sample ID: 11D0230-BLK3 — **Client Sample ID: 11D0230-BLK3**
Matrix: Water — **Prep Type: total**
Analysis Batch: U005529 — **Prep Batch: 11D0230_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12) NW	ND		100		ug/L		04/01/11 00:00	04/02/11 07:49	1.00

Surrogate	*Blank % Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*72*		*50 - 150*	*04/01/11 00:00*	*04/02/11 07:49*	*1.00*

Lab Sample ID: 11D0230-BS1 — **Client Sample ID: 11D0230-BS1**
Matrix: Water — **Prep Type: total**
Analysis Batch: U005529 — **Prep Batch: 11D0230_P**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
GRO (C4-C12) NW			1000	1030		ug/L		103	70 - 130		

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*183*	*Z2*	*50 - 150*

Method: NWTPH-Gx - Purgeable Petroleum Hydrocarbons (Continued)

Lab Sample ID: 11D0230-BS2 — **Client Sample ID: 11D0230-BS2**
Matrix: Water — **Prep Type: total**
Analysis Batch: U005529 — **Prep Batch: 11D0230_P**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
GRO (C4-C12) NW			1000	985		ug/L		99	70 - 130		

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*181*	*Z2*	*50 - 150*

Lab Sample ID: 11D0230-BS3 — **Client Sample ID: 11D0230-BS3**
Matrix: Water — **Prep Type: total**
Analysis Batch: U005529 — **Prep Batch: 11D0230_P**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
GRO (C4-C12) NW			1000	895		ug/L		90	70 - 130		

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*175*	*Z2*	*50 - 150*

Lab Sample ID: 11D0230-BSD3 — **Client Sample ID: 11D0230-BSD3**
Matrix: Water — **Prep Type: total**
Analysis Batch: U005529 — **Prep Batch: 11D0230_P**

Analyte			Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
GRO (C4-C12) NW			1000	894		ug/L		89	70 - 130	0.1	37

Surrogate	*LCS Dup % Recovery*	*LCS Dup Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*139*		*50 - 150*

Lab Sample ID: 11D0230-MS1 — **Client Sample ID: NUC4426-01**
Matrix: Water — **Prep Type: total**
Analysis Batch: U005529 — **Prep Batch: 11D0230_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits		
GRO (C4-C12) NW	154		1000	1090		ug/L		93	58 - 139		

Surrogate	*Matrix Spike % Recovery*	*Matrix Spike Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*176*	*Z2*	*50 - 150*

Lab Sample ID: 11D0230-MS2 — **Client Sample ID: NUC4132-01**
Matrix: Water — **Prep Type: total**
Analysis Batch: U005529 — **Prep Batch: 11D0230_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits		
GRO (C4-C12) NW	ND		1000	1030		ug/L		103	58 - 139		

Surrogate	*Matrix Spike % Recovery*	*Matrix Spike Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*188*	*Z2*	*50 - 150*

Method: NWTPH-Gx - Purgeable Petroleum Hydrocarbons (Continued)

Lab Sample ID: 11D0230-MSD1 — **Client Sample ID: NUC4426-01**
Matrix: Water — **Prep Type: total**
Analysis Batch: U005529 — **Prep Batch: 11D0230_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
GRO (C4-C12) NW	154		1000	1190		ug/L		104	58 - 139	9	37

Surrogate	*Matrix Spike Dup % Recovery*	*Matrix Spike Dup Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*172*	*Z2*	*50 - 150*

Lab Sample ID: 11D0230-MSD2 — **Client Sample ID: NUC4132-01**
Matrix: Water — **Prep Type: total**
Analysis Batch: U005529 — **Prep Batch: 11D0230_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
GRO (C4-C12) NW	ND		1000	1080		ug/L		108	58 - 139	5	37

Surrogate	*Matrix Spike Dup % Recovery*	*Matrix Spike Dup Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*192*	*Z2*	*50 - 150*

Lab Sample ID: 11D0230-DUP1 — **Client Sample ID: NUC4319-05**
Matrix: Water — **Prep Type: total**
Analysis Batch: U005529 — **Prep Batch: 11D0230_P**

Analyte	Sample Result	Sample Qualifier	Duplicate Result	Duplicate Qualifier	Unit	D	RPD	RPD Limit
GRO (C4-C12) NW	394		359		ug/L		9	37

Surrogate	*Duplicate % Recovery*	*Duplicate Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*114*		*50 - 150*

Method: NWTPH-Dx - Extractable Petroleum Hydrocarbons with Silica Gel Treatment

Lab Sample ID: 11C6256-BLK1 — **Client Sample ID: 11C6256-BLK1**
Matrix: Water — **Prep Type: total**
Analysis Batch: U005121 — **Prep Batch: 11C6256_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel	ND		100		ug/L		03/25/11 09:27	03/29/11 03:23	1.00
Motor Oil	ND		100		ug/L		03/25/11 09:27	03/29/11 03:23	1.00

Surrogate	*Blank % Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*71*		*50 - 150*	*03/25/11 09:27*	*03/29/11 03:23*	*1.00*

Lab Sample ID: 11C6256-BS1 — **Client Sample ID: 11C6256-BS1**
Matrix: Water — **Prep Type: total**
Analysis Batch: U005121 — **Prep Batch: 11C6256_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Diesel	1000	982	MNR1	ug/L		98	57 - 132

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

GCMS Volatiles

Prep Batch: 11C6289_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11C6289-BS1	11C6289-BS1	total	Water	EPA 5030B	
11C6289-BLK1	11C6289-BLK1	total	Water	EPA 5030B	
NUC4095-01 - RE1	GW-241809_SL-MW-1	total	Ground Water	EPA 5030B	
NUC4095-06 - RE1	GW-241809_SL-MW-9	total	Ground Water	EPA 5030B	
11C6289-MS1	GW-241809_SL-MW-1	total	Water	EPA 5030B	
11C6289-MSD1	GW-241809_SL-MW-1	total	Water	EPA 5030B	

Prep Batch: 11C6600_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11C6600-BS1	11C6600-BS1	total	Water	EPA 5030B	
11C6600-BLK1	11C6600-BLK1	total	Water	EPA 5030B	
NUC4095-01	GW-241809_SL-MW-1	total	Ground Water	EPA 5030B	
NUC4095-02	GW-241809_SL-MW-3	total	Ground Water	EPA 5030B	
NUC4095-03	GW-241809_SL-MW-4	total	Ground Water	EPA 5030B	
NUC4095-04	GW-241809_SL-MW-5	total	Ground Water	EPA 5030B	
NUC4095-05	GW-241809_SL-MW-8	total	Ground Water	EPA 5030B	
NUC4095-06	GW-241809_SL-MW-9	total	Ground Water	EPA 5030B	
NUC4095-07	GW-241809_SL-MW-10	total	Ground Water	EPA 5030B	
NUC4095-08	GW-241809_SL-MW-11	total	Ground Water	EPA 5030B	
NUC4095-09	GW-241809_SL-MW-12	total	Ground Water	EPA 5030B	
11C6600-MS1	NUC4104-04RE1	total	Water	EPA 5030B	
11C6600-MSD1	NUC4104-04RE1	total	Water	EPA 5030B	

Analysis Batch: U005345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11C6600-BS1	11C6600-BS1	total	Water	SW846 8260B	11C6600_P
11C6600-BLK1	11C6600-BLK1	total	Water	SW846 8260B	11C6600_P
NUC4095-01	GW-241809_SL-MW-1	total	Ground Water	SW846 8260B	11C6600_P
NUC4095-02	GW-241809_SL-MW-3	total	Ground Water	SW846 8260B	11C6600_P
NUC4095-03	GW-241809_SL-MW-4	total	Ground Water	SW846 8260B	11C6600_P
NUC4095-04	GW-241809_SL-MW-5	total	Ground Water	SW846 8260B	11C6600_P
NUC4095-05	GW-241809_SL-MW-8	total	Ground Water	SW846 8260B	11C6600_P
NUC4095-06	GW-241809_SL-MW-9	total	Ground Water	SW846 8260B	11C6600_P
NUC4095-07	GW-241809_SL-MW-10	total	Ground Water	SW846 8260B	11C6600_P
NUC4095-08	GW-241809_SL-MW-11	total	Ground Water	SW846 8260B	11C6600_P
NUC4095-09	GW-241809_SL-MW-12	total	Ground Water	SW846 8260B	11C6600_P
11C6600-MS1	NUC4104-04RE1	total	Water	SW846 8260B	11C6600_P
11C6600-MSD1	NUC4104-04RE1	total	Water	SW846 8260B	11C6600_P

Analysis Batch: U005364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11C6289-BS1	11C6289-BS1	total	Water	SW846 8260B	11C6289_P
11C6289-BLK1	11C6289-BLK1	total	Water	SW846 8260B	11C6289_P
NUC4095-01 - RE1	GW-241809_SL-MW-1	total	Ground Water	SW846 8260B	11C6289_P
NUC4095-06 - RE1	GW-241809_SL-MW-9	total	Ground Water	SW846 8260B	11C6289_P
11C6289-MS1	GW-241809_SL-MW-1	total	Water	SW846 8260B	11C6289_P
11C6289-MSD1	GW-241809_SL-MW-1	total	Water	SW846 8260B	11C6289_P

GCMS Semivolatiles

Analysis Batch: 11C6253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11C6253-BLK1	11C6253-BLK1	total	Water	SW846 8270CSIM	11C6253_P
11C6253-BS1	11C6253-BS1	total	Water	SW846 8270CSIM	11C6253_P
NUC4095-01 - RE1	GW-241809_SL-MW-1	total	Ground Water	SW846 8270CSIM	11C6253_P
NUC4095-06 - RE1	GW-241809_SL-MW-9	total	Ground Water	SW846 8270CSIM	11C6253_P
NUC4095-08	GW-241809_SL-MW-11	total	Ground Water	SW846 8270CSIM	11C6253_P
NUC4095-09	GW-241809_SL-MW-12	total	Ground Water	SW846 8270CSIM	11C6253_P

Prep Batch: 11C6253_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11C6253-BLK1	11C6253-BLK1	total	Water	EPA 3510C	
11C6253-BS1	11C6253-BS1	total	Water	EPA 3510C	
NUC4095-01 - RE1	GW-241809_SL-MW-1	total	Ground Water	EPA 3510C	
NUC4095-06 - RE1	GW-241809_SL-MW-9	total	Ground Water	EPA 3510C	
NUC4095-08	GW-241809_SL-MW-11	total	Ground Water	EPA 3510C	
NUC4095-09	GW-241809_SL-MW-12	total	Ground Water	EPA 3510C	

GC Volatiles

Prep Batch: 11C7961_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11C7961-BLK1	11C7961-BLK1	total	Water	EPA 5030B (GC)	
11C7961-BS1	11C7961-BS1	total	Water	EPA 5030B (GC)	
11C7961-BSD1	11C7961-BSD1	total	Water	EPA 5030B (GC)	
11C7961-BLK2	11C7961-BLK2	total	Water	EPA 5030B (GC)	
NUC4095-02	GW-241809_SL-MW-3	total	Ground Water	EPA 5030B (GC)	
NUC4095-03	GW-241809_SL-MW-4	total	Ground Water	EPA 5030B (GC)	
NUC4095-04	GW-241809_SL-MW-5	total	Ground Water	EPA 5030B (GC)	
NUC4095-07	GW-241809_SL-MW-10	total	Ground Water	EPA 5030B (GC)	
NUC4095-08	GW-241809_SL-MW-11	total	Ground Water	EPA 5030B (GC)	
NUC4095-09	GW-241809_SL-MW-12	total	Ground Water	EPA 5030B (GC)	
11C7961-BS2	11C7961-BS2	total	Water	EPA 5030B (GC)	
11C7961-DUP1	GW-241809_SL-MW-11	total	Water	EPA 5030B (GC)	
11C7961-MS1	NUC4249-03	total	Water	EPA 5030B (GC)	
11C7961-MSD1	NUC4249-03	total	Water	EPA 5030B (GC)	
11C7961-MS2	GW-241809_SL-MW-4	total	Water	EPA 5030B (GC)	
11C7961-MSD2	GW-241809_SL-MW-4	total	Water	EPA 5030B (GC)	

Analysis Batch: 11D0230

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11D0230-BLK2	11D0230-BLK2	total	Water	NWTPH-Gx	11D0230_P

GC Volatiles (Continued)

Prep Batch: 11D0230_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11D0230-BS1	11D0230-BS1	total	Water	EPA 5030B (GC)	
11D0230-BLK1	11D0230-BLK1	total	Water	EPA 5030B (GC)	
NUC4095-05 - RE1	GW-241809_SL-MW-8	total	Ground Water	EPA 5030B (GC)	
NUC4095-01 - RE1	GW-241809_SL-MW-1	total	Ground Water	EPA 5030B (GC)	
NUC4095-06 - RE1	GW-241809_SL-MW-9	total	Ground Water	EPA 5030B (GC)	
11D0230-BS2	11D0230-BS2	total	Water	EPA 5030B (GC)	
11D0230-BLK2	11D0230-BLK2	total	Water	EPA 5030B (GC)	
11D0230-BSD3	11D0230-BSD3	total	Water	EPA 5030B (GC)	
11D0230-BLK3	11D0230-BLK3	total	Water	EPA 5030B (GC)	
11D0230-DUP1	NUC4319-05	total	Water	EPA 5030B (GC)	
11D0230-MS1	NUC4426-01	total	Water	EPA 5030B (GC)	
11D0230-MSD1	NUC4426-01	total	Water	EPA 5030B (GC)	
11D0230-MS2	NUC4132-01	total	Water	EPA 5030B (GC)	
11D0230-MSD2	NUC4132-01	total	Water	EPA 5030B (GC)	
11D0230-BS3	11D0230-BS3	total	Water	EPA 5030B (GC)	

Analysis Batch: U005465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11C7961-BLK1	11C7961-BLK1	total	Water	NWTPH-Gx	11C7961_P
11C7961-BS1	11C7961-BS1	total	Water	NWTPH-Gx	11C7961_P
11C7961-BSD1	11C7961-BSD1	total	Water	NWTPH-Gx	11C7961_P
11C7961-BLK2	11C7961-BLK2	total	Water	NWTPH-Gx	11C7961_P
NUC4095-02	GW-241809_SL-MW-3	total	Ground Water	NWTPH-Gx	11C7961_P
NUC4095-03	GW-241809_SL-MW-4	total	Ground Water	NWTPH-Gx	11C7961_P
NUC4095-04	GW-241809_SL-MW-5	total	Ground Water	NWTPH-Gx	11C7961_P
NUC4095-07	GW-241809_SL-MW-10	total	Ground Water	NWTPH-Gx	11C7961_P
NUC4095-08	GW-241809_SL-MW-11	total	Ground Water	NWTPH-Gx	11C7961_P
NUC4095-09	GW-241809_SL-MW-12	total	Ground Water	NWTPH-Gx	11C7961_P
11C7961-BS2	11C7961-BS2	total	Water	NWTPH-Gx	11C7961_P
11C7961-DUP1	GW-241809_SL-MW-11	total	Water	NWTPH-Gx	11C7961_P
11C7961-MS1	NUC4249-03	total	Water	NWTPH-Gx	11C7961_P
11C7961-MSD1	NUC4249-03	total	Water	NWTPH-Gx	11C7961_P
11C7961-MS2	GW-241809_SL-MW-4	total	Water	NWTPH-Gx	11C7961_P
11C7961-MSD2	GW-241809_SL-MW-4	total	Water	NWTPH-Gx	11C7961_P

Analysis Batch: U005529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11D0230-BS1	11D0230-BS1	total	Water	NWTPH-Gx	11D0230_P
11D0230-BLK1	11D0230-BLK1	total	Water	NWTPH-Gx	11D0230_P
NUC4095-05 - RE1	GW-241809_SL-MW-8	total	Ground Water	NWTPH-Gx	11D0230_P
NUC4095-01 - RE1	GW-241809_SL-MW-1	total	Ground Water	NWTPH-Gx	11D0230_P
NUC4095-06 - RE1	GW-241809_SL-MW-9	total	Ground Water	NWTPH-Gx	11D0230_P
11D0230-BS2	11D0230-BS2	total	Water	NWTPH-Gx	11D0230_P
11D0230-BSD3	11D0230-BSD3	total	Water	NWTPH-Gx	11D0230_P

GC Volatiles (Continued)

Analysis Batch: U005529 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11D0230-BLK3	11D0230-BLK3	total	Water	NWTPH-Gx	11D0230_P
11D0230-DUP1	NUC4319-05	total	Water	NWTPH-Gx	11D0230_P
11D0230-MS1	NUC4426-01	total	Water	NWTPH-Gx	11D0230_P
11D0230-MSD1	NUC4426-01	total	Water	NWTPH-Gx	11D0230_P
11D0230-MS2	NUC4132-01	total	Water	NWTPH-Gx	11D0230_P
11D0230-MSD2	NUC4132-01	total	Water	NWTPH-Gx	11D0230_P
11D0230-BS3	11D0230-BS3	total	Water	NWTPH-Gx	11D0230_P

GC Semivolatiles

Prep Batch: 11C6256_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11C6256-BLK1	11C6256-BLK1	total	Water	EPA 3510C	
11C6256-BS1	11C6256-BS1	total	Water	EPA 3510C	
NUC4095-01	GW-241809_SL-MW-1	total	Ground Water	EPA 3510C	
NUC4095-02	GW-241809_SL-MW-3	total	Ground Water	EPA 3510C	
NUC4095-03	GW-241809_SL-MW-4	total	Ground Water	EPA 3510C	
NUC4095-04	GW-241809_SL-MW-5	total	Ground Water	EPA 3510C	
NUC4095-05	GW-241809_SL-MW-8	total	Ground Water	EPA 3510C	
NUC4095-06	GW-241809_SL-MW-9	total	Ground Water	EPA 3510C	
NUC4095-07	GW-241809_SL-MW-10	total	Ground Water	EPA 3510C	
NUC4095-08	GW-241809_SL-MW-11	total	Ground Water	EPA 3510C	
NUC4095-09	GW-241809_SL-MW-12	total	Ground Water	EPA 3510C	
NUC4095-01 - RE1	GW-241809_SL-MW-1	total	Ground Water	EPA 3510C	
NUC4095-06 - RE1	GW-241809_SL-MW-9	total	Ground Water	EPA 3510C	

Analysis Batch: U005121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11C6256-BLK1	11C6256-BLK1	total	Water	NWTPH-Dx	11C6256_P
11C6256-BS1	11C6256-BS1	total	Water	NWTPH-Dx	11C6256_P
NUC4095-01	GW-241809_SL-MW-1	total	Ground Water	NWTPH-Dx	11C6256_P
NUC4095-02	GW-241809_SL-MW-3	total	Ground Water	NWTPH-Dx	11C6256_P
NUC4095-03	GW-241809_SL-MW-4	total	Ground Water	NWTPH-Dx	11C6256_P
NUC4095-04	GW-241809_SL-MW-5	total	Ground Water	NWTPH-Dx	11C6256_P
NUC4095-05	GW-241809_SL-MW-8	total	Ground Water	NWTPH-Dx	11C6256_P
NUC4095-06	GW-241809_SL-MW-9	total	Ground Water	NWTPH-Dx	11C6256_P
NUC4095-07	GW-241809_SL-MW-10	total	Ground Water	NWTPH-Dx	11C6256_P
NUC4095-08	GW-241809_SL-MW-11	total	Ground Water	NWTPH-Dx	11C6256_P
NUC4095-09	GW-241809_SL-MW-12	total	Ground Water	NWTPH-Dx	11C6256_P

Analysis Batch: U005177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NUC4095-01 - RE1	GW-241809_SL-MW-1	total	Ground Water	NWTPH-Dx	11C6256_P
NUC4095-06 - RE1	GW-241809_SL-MW-9	total	Ground Water	NWTPH-Dx	11C6256_P

Client Sample ID: GW-241809_SL-MW-1

Lab Sample ID: NUC4095-01

Date Collected: 03/23/11 11:00

Matrix: Ground Water

Date Received: 03/24/11 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
total	Prep	EPA 5030B		1.00	11C6600_P	03/25/11 10:11	TSP	TestAmerica Nashville
total	Analysis	SW846 8260B		1.00	U005345	03/30/11 16:00	JJR	TestAmerica Nashville
total	Prep	EPA 5030B	RE1	1.00	11C6289_P	03/25/11 10:11	TSP	TestAmerica Nashville
total	Analysis	SW846 8260B	RE1	5.00	U005364	03/31/11 19:07	JJR	TestAmerica Nashville
total	Prep	EPA 3510C	RE1	0.962	11C6253_P	03/25/11 13:40	RCH2	TestAmerica Nashville
total	Analysis	SW846 8270CSIM	RE1	10.0	11C6253	03/27/11 03:47	BES	TestAmerica Nashville
total	Prep	EPA 5030B (GC)	RE1	1.00	11D0230_P	04/01/11 10:00	AMC2	TestAmerica Nashville
total	Analysis	NWTPH-Gx	RE1	10.0	U005529	04/01/11 20:06	AMC2	TestAmerica Nashville
total	Prep	EPA 3510C		1.00	11C6256_P	03/26/11 14:20	MAH	TestAmerica Nashville
total	Analysis	NWTPH-Dx		1.00	U005121	03/29/11 04:18	cec	TestAmerica Nashville
total	Prep	EPA 3510C	RE1	1.00	11C6256_P	03/26/11 14:20	MAH	TestAmerica Nashville
total	Analysis	NWTPH-Dx	RE1	4.00	U005177	03/29/11 16:59	cec	TestAmerica Nashville

Client Sample ID: GW-241809_SL-MW-3

Lab Sample ID: NUC4095-02

Date Collected: 03/23/11 10:20

Matrix: Ground Water

Date Received: 03/24/11 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
total	Prep	EPA 5030B		1.00	11C6600_P	03/25/11 10:11	TSP	TestAmerica Nashville
total	Analysis	SW846 8260B		1.00	U005345	03/30/11 16:26	JJR	TestAmerica Nashville
total	Prep	EPA 5030B (GC)		1.00	11C7961_P	03/31/11 15:00	AMC2	TestAmerica Nashville
total	Analysis	NWTPH-Gx		1.00	U005465	04/01/11 03:13	AMC2	TestAmerica Nashville
total	Prep	EPA 3510C		0.971	11C6256_P	03/26/11 14:20	MAH	TestAmerica Nashville
total	Analysis	NWTPH-Dx		1.00	U005121	03/29/11 04:36	cec	TestAmerica Nashville

Client Sample ID: GW-241809_SL-MW-4

Lab Sample ID: NUC4095-03

Date Collected: 03/23/11 08:50

Matrix: Ground Water

Date Received: 03/24/11 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
total	Prep	EPA 5030B		1.00	11C6600_P	03/25/11 10:11	TSP	TestAmerica Nashville
total	Analysis	SW846 8260B		1.00	U005345	03/30/11 16:51	JJR	TestAmerica Nashville
total	Prep	EPA 5030B (GC)		1.00	11C7961_P	03/31/11 15:00	AMC2	TestAmerica Nashville
total	Analysis	NWTPH-Gx		1.00	U005465	04/01/11 03:43	AMC2	TestAmerica Nashville
total	Prep	EPA 3510C		0.980	11C6256_P	03/26/11 14:20	MAH	TestAmerica Nashville
total	Analysis	NWTPH-Dx		1.00	U005121	03/29/11 04:55	cec	TestAmerica Nashville

Client Sample ID: GW-241809_SL-MW-5

Lab Sample ID: NUC4095-04

Date Collected: 03/23/11 09:15

Matrix: Ground Water

Date Received: 03/24/11 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
total	Prep	EPA 5030B		1.00	11C6600_P	03/25/11 10:11	TSP	TestAmerica Nashville

Client Sample ID: GW-241809_SL-MW-5

Lab Sample ID: NUC4095-04

Date Collected: 03/23/11 09:15

Matrix: Ground Water

Date Received: 03/24/11 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
total	Analysis	SW846 8260B		1.00	U005345	03/30/11 17:16	JJR	TestAmerica Nashville
total	Prep	EPA 5030B (GC)		1.00	11C7961_P	03/31/11 15:00	AMC2	TestAmerica Nashville
total	Analysis	NWTPH-Gx		1.00	U005465	04/01/11 04:12	AMC2	TestAmerica Nashville
total	Prep	EPA 3510C		0.943	11C6256_P	03/26/11 14:20	MAH	TestAmerica Nashville
total	Analysis	NWTPH-Dx		1.00	U005121	03/29/11 05:13	cec	TestAmerica Nashville

Client Sample ID: GW-241809_SL-MW-8

Lab Sample ID: NUC4095-05

Date Collected: 03/23/11 09:30

Matrix: Ground Water

Date Received: 03/24/11 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
total	Prep	EPA 5030B		1.00	11C6600_P	03/25/11 10:11	TSP	TestAmerica Nashville
total	Analysis	SW846 8260B		1.00	U005345	03/30/11 17:41	JJR	TestAmerica Nashville
total	Prep	EPA 5030B (GC)	RE1	1.00	11D0230_P	04/01/11 10:00	AMC2	TestAmerica Nashville
total	Analysis	NWTPH-Gx	RE1	1.00	U005529	04/01/11 19:36	AMC2	TestAmerica Nashville
total	Prep	EPA 3510C		0.980	11C6256_P	03/26/11 14:20	MAH	TestAmerica Nashville
total	Analysis	NWTPH-Dx		1.00	U005121	03/29/11 05:32	cec	TestAmerica Nashville

Client Sample ID: GW-241809_SL-MW-9

Lab Sample ID: NUC4095-06

Date Collected: 03/23/11 11:20

Matrix: Ground Water

Date Received: 03/24/11 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
total	Prep	EPA 5030B		1.00	11C6600_P	03/25/11 10:11	TSP	TestAmerica Nashville
total	Analysis	SW846 8260B		1.00	U005345	03/30/11 18:07	JJR	TestAmerica Nashville
total	Prep	EPA 5030B	RE1	1.00	11C6289_P	03/25/11 10:11	TSP	TestAmerica Nashville
total	Analysis	SW846 8260B	RE1	10.0	U005364	03/31/11 19:32	JJR	TestAmerica Nashville
total	Prep	EPA 3510C	RE1	0.990	11C6253_P	03/25/11 13:40	RCH2	TestAmerica Nashville
total	Analysis	SW846 8270CSIM	RE1	20.0	11C6253	03/27/11 04:08	BES	TestAmerica Nashville
total	Prep	EPA 5030B (GC)	RE1	1.00	11D0230_P	04/01/11 10:00	AMC2	TestAmerica Nashville
total	Analysis	NWTPH-Gx	RE1	25.0	U005529	04/01/11 20:35	AMC2	TestAmerica Nashville
total	Prep	EPA 3510C		0.952	11C6256_P	03/26/11 14:20	MAH	TestAmerica Nashville
total	Analysis	NWTPH-Dx		1.00	U005121	03/29/11 05:50	cec	TestAmerica Nashville
total	Prep	EPA 3510C	RE1	0.952	11C6256_P	03/26/11 14:20	MAH	TestAmerica Nashville
total	Analysis	NWTPH-Dx	RE1	4.00	U005177	03/29/11 17:15	cec	TestAmerica Nashville

Client Sample ID: GW-241809_SL-MW-10

Lab Sample ID: NUC4095-07

Date Collected: 03/23/11 09:50

Matrix: Ground Water

Date Received: 03/24/11 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
total	Prep	EPA 5030B		1.00	11C6600_P	03/25/11 10:11	TSP	TestAmerica Nashville
total	Analysis	SW846 8260B		1.00	U005345	03/30/11 18:32	JJR	TestAmerica Nashville

Client Sample ID: GW-241809_SL-MW-10

Lab Sample ID: NUC4095-07

Date Collected: 03/23/11 09:50

Matrix: Ground Water

Date Received: 03/24/11 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
total	Prep	EPA 5030B (GC)		1.00	11C7961_P	03/31/11 15:00	AMC2	TestAmerica Nashville
total	Analysis	NWTPH-Gx		1.00	U005465	04/01/11 05:40	AMC2	TestAmerica Nashville
total	Prep	EPA 3510C		0.971	11C6256_P	03/26/11 14:20	MAH	TestAmerica Nashville
total	Analysis	NWTPH-Dx		1.00	U005121	03/29/11 06:08	cec	TestAmerica Nashville

Client Sample ID: GW-241809_SL-MW-11

Lab Sample ID: NUC4095-08

Date Collected: 03/23/11 10:40

Matrix: Ground Water

Date Received: 03/24/11 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
total	Prep	EPA 5030B		1.00	11C6600_P	03/25/11 10:11	TSP	TestAmerica Nashville
total	Analysis	SW846 8260B		1.00	U005345	03/30/11 18:57	JJR	TestAmerica Nashville
total	Prep	EPA 3510C		0.980	11C6253_P	03/25/11 13:40	RCH2	TestAmerica Nashville
total	Analysis	SW846 8270CSIM		1.00	11C6253	03/27/11 11:32	BES	TestAmerica Nashville
total	Prep	EPA 5030B (GC)		1.00	11C7961_P	03/31/11 15:00	AMC2	TestAmerica Nashville
total	Analysis	NWTPH-Gx		1.00	U005465	04/01/11 06:09	AMC2	TestAmerica Nashville
total	Prep	EPA 3510C		1.05	11C6256_P	03/26/11 14:20	MAH	TestAmerica Nashville
total	Analysis	NWTPH-Dx		1.00	U005121	03/29/11 06:27	cec	TestAmerica Nashville

Client Sample ID: GW-241809_SL-MW-12

Lab Sample ID: NUC4095-09

Date Collected: 03/23/11 08:30

Matrix: Ground Water

Date Received: 03/24/11 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
total	Prep	EPA 5030B		1.00	11C6600_P	03/25/11 10:11	TSP	TestAmerica Nashville
total	Analysis	SW846 8260B		1.00	U005345	03/30/11 19:22	JJR	TestAmerica Nashville
total	Prep	EPA 3510C		0.990	11C6253_P	03/25/11 13:40	RCH2	TestAmerica Nashville
total	Analysis	SW846 8270CSIM		1.00	11C6253	03/27/11 11:53	BES	TestAmerica Nashville
total	Prep	EPA 5030B (GC)		1.00	11C7961_P	03/31/11 15:00	AMC2	TestAmerica Nashville
total	Analysis	NWTPH-Gx		1.00	U005465	04/01/11 06:38	AMC2	TestAmerica Nashville
total	Prep	EPA 3510C		0.980	11C6256_P	03/26/11 14:20	MAH	TestAmerica Nashville
total	Analysis	NWTPH-Dx		1.00	U005121	03/29/11 06:45	cec	TestAmerica Nashville

Method Summary

Client: Conestoga-Rovers & Asso. (Everett)/ Shell
Project/Site: SAP 120531

TestAmerica Job ID: NUC4095

Method	Method Description	Protocol	Laboratory
SW846 8260B	Volatile Organic Compounds by EPA Method 8260B		TAL NSH
SW846 8270CSIM	Polyaromatic Hydrocarbons by EPA 8270C SIM		TAL NSH
NWTPH-Gx	Purgeable Petroleum Hydrocarbons		TAL NSH
NWTPH-Dx	Extractable Petroleum Hydrocarbons with Silica Gel Treatment		TAL NSH

Protocol References:

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

Certification Summary

Client: Conestoga-Rovers & Asso. (Everett)/ Shell
Project/Site: SAP 120531

TestAmerica Job ID: NUC4095

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Nashville		AIHA		100790
TestAmerica Nashville		USDA		S-48469
TestAmerica Nashville	A2LA	A2LA	0	0453.07
TestAmerica Nashville	A2LA	WY UST	0	453.07
TestAmerica Nashville	Alabama	State Program	4	41150
TestAmerica Nashville	Alaska	Alaska UST	10	UST-087
TestAmerica Nashville	Arizona	State Program	9	AZ0473
TestAmerica Nashville	Arkansas	State Program	6	88-0737
TestAmerica Nashville	CALA	CALA	0	3744
TestAmerica Nashville	California	NELAC	9	1168CA
TestAmerica Nashville	Colorado	State Program	8	N/A
TestAmerica Nashville	Connecticut	State Program	1	PH-0220
TestAmerica Nashville	Florida	NELAC	4	E87358
TestAmerica Nashville	Illinois	NELAC	5	200010
TestAmerica Nashville	Iowa	State Program	7	131
TestAmerica Nashville	Kansas	NELAC	7	E-10229
TestAmerica Nashville	Kentucky	Kentucky UST	4	19
TestAmerica Nashville	Kentucky	State Program	4	90038
TestAmerica Nashville	Louisiana	NELAC	6	30613
TestAmerica Nashville	Louisiana	NELAC	6	LA100011
TestAmerica Nashville	Massachusetts	State Program	1	M-TN032
TestAmerica Nashville	Minnesota	NELAC	5	047-999-345
TestAmerica Nashville	Mississippi	State Program	4	N/A
TestAmerica Nashville	Montana	MT DEQ UST	8	NA
TestAmerica Nashville	Nevada	State Program	9	TN00032
TestAmerica Nashville	New Hampshire	NELAC	1	2963
TestAmerica Nashville	New Jersey	NELAC	2	TN965
TestAmerica Nashville	New York	NELAC	2	11342
TestAmerica Nashville	North Carolina	North Carolina DENR	4	387
TestAmerica Nashville	North Dakota	State Program	8	R-146
TestAmerica Nashville	Ohio	OVAP	5	CL0033
TestAmerica Nashville	Oklahoma	State Program	6	9412
TestAmerica Nashville	Oregon	NELAC	10	TN200001
TestAmerica Nashville	Pennsylvania	NELAC	3	68-00585
TestAmerica Nashville	Rhode Island	State Program	1	LAO00268
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	Tennessee	State Program	4	2008
TestAmerica Nashville	Texas	NELAC	6	T104704077-09-TX
TestAmerica Nashville	Utah	NELAC	8	TAN
TestAmerica Nashville	Virginia	State Program	3	00323
TestAmerica Nashville	Washington	State Program	10	C789
TestAmerica Nashville	West Virginia	West Virginia DEP	3	219
TestAmerica Nashville	Wisconsin	State Program	5	998020430

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEI

NUC4095

Cooler Received/Opened On 3/24/2011@ 8:30

1. Tracking # 9521 (last 4 digits, FedEx)

Courier: Fedex IR Gun ID Raynger

2. Temperature of rep. sample or temp blank when opened 0.4 *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) TH

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) TH

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) TH

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) TH

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

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

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 6/24/09

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

NUC4095
04/07/11 23:59

COOLER RECEIPT FORM

Cooler Received/Opened On 3/24/2011 @ 08:30

1. Tracking # 5609 (last 4 digits, FedEx)

Courier: FEDEX IR Gun ID 96210146

2. Temperature of rep. sample or temp blank when opened: 3.6 *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) P.H.

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) CH

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) CH

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) CH

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

21. Were there Non-Conformance issues at login? YES...NO Was a PIPE generated? YES...NO...#

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 6/24/09

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FORM

NUC4095
04/07/11 23:59

Cooler Received/Opened On_03/24/11 @ 08:30

1. Tracking #_____5583_____(last 4 digits, FedEx)

Courier: ___FED-EX IR-GUN-97310166

2. Temperature of rep. sample or temp blank when opened:_4.1_ *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

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 PIPE generated? YES...NO...# _____

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 9/6/07

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FORM

NUC4095
04/07/11 23:59

Cooler Received/Opened On 3/24/2011 @ 08:30

1. Tracking # 5561 (last 4 digits, FedEx)

Courier: FEDEX IR Gun ID 96210146

2. Temperature of rep. sample or temp blank when opened: 3.9 *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) P.H.

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 # N/A

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

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) JH

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) JH

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

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

BIS = Broken in shipment

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FORM

Cooler Received/Opened On 3/24/2011 @ 8:30

1. Tracking # 5594 (last 4 digits, FedEx)

Courier: FEDEX IR Gun ID 12080142

2. Temperature of rep. sample or temp blank when opened: 2.9 *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) J.G.

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) JH

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) JH

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) JH

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

21. Were there Non-Conformance issues at login? YES...NO Was a PIPE generated? YES...NO...#

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-I
End of Form

Revised 6/24/09

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FORM

NUC4095
04/07/11 23:59

Cooler Received/Opened On 3/24/2011 @ 08:30

1. Tracking # 5572 (last 4 digits, FedEx)

Courier: FEDEX IR Gun ID 96210146

2. Temperature of rep. sample or temp blank when opened: 1.2 *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) P.H

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 # 1 of 1

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

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) CJH

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) CJH

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

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

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 6/24/09

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Nashville, TN

NUC4095
04/07/11 23:59

COOLER RECEIPT FORM

Cooler Received/Opened On_03/24/11 @ 08:30

1. Tracking # 5550 (last 4 digits, FedEx)

Courier: ___FED-EX IR-GUN-97310166

2. Temperature of rep. sample or temp blank when opened: 3.4 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) AD

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) CH

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) CH

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) CH

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

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

BIS = Broken in shipment
Cooler Receipt Form.doc

Shell Oil Products Chain Of Custody Record

04/07/2011

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

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

Print Bill To Contact Name: Christina McClelland - 241809.2011.06

INCIDENT # (ENV SERVICES): 9 2 9 9 5 0 1 7 ☐ CHECK IF NO INCIDENT # APPLIES

DATE: 3/23/11

PAGE: 1 of 1

PO #

SAP #: 1 2 0 5 3 1

SAMPLING COMPANY: Blaine Tech Services

LOG CODE:

SITE ADDRESS: Street and City: 11700 NE 160th, Bothell

State: WA

GLOBAL ID NO.: NA

ADDRESS: 20735 Belshaw Avenue, Carson, CA 90746

EDF DELIVERABLE TO (Name, Company, Office Location): CRA, Seattle, WA

PHONE NO.: 425-563-6500

E-MAIL: Shell-US-LabDataManagement@CRAworld.com

CONSULTANT PROJECT NO.: 110323-SL1

PROJECT CONTACT (Hardcopy or PDF Report to): Lorin King

SAMPLER NAME(S) (Print): S. Lane

TELEPHONE: (310) 885-4455 x 108

FAX: (310) 637-5802

E-MAIL: lking@blainetech.com

LAB USE ONLY

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:

REQUESTED ANALYSIS

NUC4095

04/07/11 23:59

SPECIAL INSTRUCTIONS OR NOTES:

1) Please upload the "CRA EQuIS 4-file EDD" to the CRA Website (http://cralabedduplload.craworld.com/equis/default.aspx) and/or send it to the Shell-US-LabDataManagement@CRAworld.com email folder. 2) Please indicate that you have uploaded the EDD by including "EDD Uploaded to CRA website" in the body of the email used to deliver the final PDF report to the Shell-US-LabDataManagement@CRAworld.com email folder

Copy final report to Shell.Lab.Billing@craworld.com, Shell.results@craworld.com, and Shell-US-LabDataManagement@CRAworld.com

Email invoice to Shell.Lab.Billing@craworld.com

See Laboratory 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

Matrix Codes - WG (groundwater), WS (surface water), WP (drinking water source), W (Trip or Temp Blank)

TEMPERATURE ON RECEIPT C°

LAB USE ONLY	SAMPLE ID: PROJECT NUMBER	DATE (MMDDYY)	SAMPLER INITIALS	WELL ID	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)	EDC (8011)	Total Lead (6020)	PCBs (8082)	PAHs (8070 SIM)	VOCs Full list (8260B)	Pest (8080)	NWTPH-VPH	NWTPH-EPH	n-Hexane (9071B)	Napthalenes (8270-SIM)	TPH-D	Container PID Readings or Laboratory Notes
	GW - 241809	032311	SL	MW-1	1100	WG	X			X		10	X	X	X	X											X	X	
	GW 241809	032311	SL	MW-3	1020	WG	X					8	X	X	X	X												X	
	GW 241809	032311	SL	MW-4	0850	WG	X					8	X	X	X	X												X	
	GW 241809	032311	SL	MW-5	0915	WG	X					8	X	X	X	X												X	
	GW 241809	032311	SL	MW-8	0930	WG	X					8	X	X	X	X												X	
	GW 241809	032311	SL	MW-9	1120	WG	X			X		10	X	X	X	X											X	X	
	GW 241809	032311	SL	MW-10	0950	WG	X					8	X	X	X	X												X	
	GW 241809	032311	SL	MW-11	1040	WG	X			X		10	X	X	X	X											X	X	
	GW 241809	032311	SL	MW-12	0830	WG	X			X		10	X	X	X	X											X	X	

Relinquished by: (Signature) SL	Received by: (Signature) shipped by Fed Ex	Date: 3/23/11	Time: 1700
Relinquished by: (Signature)	Received by: (Signature)	Date: 3/24/11	Time: 08:30
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Road
Nashville, TN 37204
Tel: 800-765-0980

TestAmerica Job ID: NUI1393
Client Project/Site: SAP 120531
Client Project Description: 11700 NE 160th, Bothel, WA

For:
Conestoga-Rovers & Asso. (Everett)/ Shell
20818 44th Avenue West, Suite 190
Lynnwood, WA 98036

Attn: Christina McClelland

Authorized for release by:
09/27/2011 12:58:54 PM

Ryan Fitzwater
Project Manager
Ryan.Fitzwater@testamericainc.com

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

Table of Contents

Sample Summary

Client: Conestoga-Rovers & Asso. (Everett)/ Shell
Project/Site: SAP 120531

TestAmerica Job ID: NUI1393

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
NUI1393-01	GW-241809-091211-SL-MW-1	Water	09/12/11 13:15	09/13/11 08:35
NUI1393-02	GW-241809-091211-SL-MW-3	Water	09/12/11 12:50	09/13/11 08:35
NUI1393-03	GW-241809-091211-SL-MW-4	Water	09/12/11 11:40	09/13/11 08:35
NUI1393-04	GW-241809-091211-SL-MW-5	Water	09/12/11 12:00	09/13/11 08:35
NUI1393-05	GW-241809-091211-SL-MW-7	Water	09/12/11 11:00	09/13/11 08:35
NUI1393-06	GW-241809-091211-SL-MW-8	Water	09/12/11 12:20	09/13/11 08:35
NUI1393-07	GW-241809-091211-SL-MW-9	Water	09/12/11 13:30	09/13/11 08:35
NUI1393-08	GW-241809-091211-SL-MW-12	Water	09/12/11 11:20	09/13/11 08:35

Client: Conestoga-Rovers & Asso. (Everett)/ Shell
Project/Site: SAP 120531

TestAmerica Job ID: NUI1393

Job ID: NUI1393

Laboratory: TestAmerica Nashville

Narrative

All samples were received in good condition, properly preserved, and properly labeled. All analyses were completed within holding times. There were no relevant protocol specific QC and/or performance standard non-conformances to report with the following exceptions:

No 8270C SIM PAH matrix spike or matrix spike duplicate analyzed for sample batch 11I2330due to insufficient sample volume.

No TPH DRO byNWTPH-Dx matrix spike or matrix spike duplicate analyzed for sample batch 11I2330 due to insufficient sample volume. The TPH DRO by NWTPH-Dx sample surrogate, o-Terphenyl, for sample GW-241809-091211-SL-MW-9 (NUI1393-07) is below QC limits. No sample volume remaining for re-extraction and re-analysis of the sample.

The TPH NWTPH-Gx duplicate (DUP1) RPD for batch 11I2548 exceeds the acceptance limit.

Client: Conestoga-Rovers & Asso. (Everett)/ Shell
Project/Site: SAP 120531

TestAmerica Job ID: NUI1393

Qualifiers

GCMS Semivolatiles

Qualifier	Qualifier Description
MNR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike.

GC Volatiles

Qualifier	Qualifier Description
R2	The RPD exceeded the acceptance limit.

GC Semivolatiles

Qualifier	Qualifier Description
MNR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike.
QP5	There was insufficient contamination present to perform a pattern match.
QP7	The hydrocarbon pattern most closely resembles a gasoline and lightweight hydrocarbon product.
QP6	The contamination did not match any standards in our library.
S10	Insufficient sample available for reanalysis.
Z6	Surrogate recovery was below acceptance 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
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
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 & Asso. (Everett)/ Shell
Project/Site: SAP 120531

TestAmerica Job ID: NUI1393

Client Sample ID: GW-241809-091211-SL-MW-1
Date Collected: 09/12/11 13:15
Date Received: 09/13/11 08:35

Lab Sample ID: NUI1393-01
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	138		10.0		ug/L		09/13/11 11:35	09/14/11 05:15	10.0
Ethylbenzene	255		10.0		ug/L		09/13/11 11:35	09/14/11 05:15	10.0
Toluene	33.4		10.0		ug/L		09/13/11 11:35	09/14/11 05:15	10.0
Xylenes, total	686		30.0		ug/L		09/13/11 11:35	09/14/11 05:15	10.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*102*		*70 - 130*	*09/13/11 11:35*	*09/14/11 05:15*	*10.0*
Dibromofluoromethane	*96*		*70 - 130*	*09/13/11 11:35*	*09/14/11 05:15*	*10.0*
Toluene-d8	*107*		*70 - 130*	*09/13/11 11:35*	*09/14/11 05:15*	*10.0*
4-Bromofluorobenzene	*97*		*70 - 130*	*09/13/11 11:35*	*09/14/11 05:15*	*10.0*

Method: SW846 8270CSIM - Polyaromatic Hydrocarbons by EPA 8270C SIM

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	58.5		0.0980		ug/L		09/13/11 14:50	09/19/11 22:07	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*78*		*27 - 120*	*09/13/11 14:50*	*09/19/11 22:07*	*1.00*
2-Fluorobiphenyl	*62*		*29 - 120*	*09/13/11 14:50*	*09/19/11 22:07*	*1.00*
Terphenyl-d14	*77*		*13 - 120*	*09/13/11 14:50*	*09/19/11 22:07*	*1.00*

Method: NWTPH-Gx - Purgeable Petroleum Hydrocarbons - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12) NW	10100		500		ug/L		09/12/11 13:15	09/14/11 16:32	5.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*106*		*50 - 150*	*09/12/11 13:15*	*09/14/11 16:32*	*5.00*

Method: NWTPH-Dx - Extractable Petroleum Hydrocarbons with Silica Gel Treatment

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	ND	QP5	248		ug/L		09/14/11 06:00	09/14/11 14:46	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*90*		*50 - 150*	*09/14/11 06:00*	*09/14/11 14:46*	*1.00*

Method: NWTPH-Dx - Extractable Petroleum Hydrocarbons with Silica Gel Treatment - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel	2290	QP7	198		ug/L		09/14/11 06:00	09/15/11 10:42	2.00

Client: Conestoga-Rovers & Asso. (Everett)/ Shell
Project/Site: SAP 120531

TestAmerica Job ID: NUI1393

Client Sample ID: GW-241809-091211-SL-MW-3
Date Collected: 09/12/11 12:50
Date Received: 09/13/11 08:35

Lab Sample ID: NUI1393-02
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L		09/13/11 11:35	09/14/11 01:25	1.00
Ethylbenzene	ND		1.00		ug/L		09/13/11 11:35	09/14/11 01:25	1.00
Toluene	ND		1.00		ug/L		09/13/11 11:35	09/14/11 01:25	1.00
Xylenes, total	ND		3.00		ug/L		09/13/11 11:35	09/14/11 01:25	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*109*		*70 - 130*	*09/13/11 11:35*	*09/14/11 01:25*	*1.00*
Dibromofluoromethane	*106*		*70 - 130*	*09/13/11 11:35*	*09/14/11 01:25*	*1.00*
Toluene-d8	*103*		*70 - 130*	*09/13/11 11:35*	*09/14/11 01:25*	*1.00*
4-Bromofluorobenzene	*95*		*70 - 130*	*09/13/11 11:35*	*09/14/11 01:25*	*1.00*

Method: NWTPH-Gx - Purgeable Petroleum Hydrocarbons - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12) NW	ND		100		ug/L		09/12/11 12:50	09/14/11 14:20	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*96*		*50 - 150*	*09/12/11 12:50*	*09/14/11 14:20*	*1.00*

Method: NWTPH-Dx - Extractable Petroleum Hydrocarbons with Silica Gel Treatment

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel	ND		98.0		ug/L		09/14/11 06:00	09/14/11 15:10	1.00
Motor Oil	ND		245		ug/L		09/14/11 06:00	09/14/11 15:10	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*94*		*50 - 150*	*09/14/11 06:00*	*09/14/11 15:10*	*1.00*

Client: Conestoga-Rovers & Asso. (Everett)/ Shell
Project/Site: SAP 120531

TestAmerica Job ID: NUI1393

Client Sample ID: GW-241809-091211-SL-MW-4
Date Collected: 09/12/11 11:40
Date Received: 09/13/11 08:35

Lab Sample ID: NUI1393-03
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L		09/13/11 11:35	09/14/11 01:51	1.00
Ethylbenzene	ND		1.00		ug/L		09/13/11 11:35	09/14/11 01:51	1.00
Toluene	ND		1.00		ug/L		09/13/11 11:35	09/14/11 01:51	1.00
Xylenes, total	ND		3.00		ug/L		09/13/11 11:35	09/14/11 01:51	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*108*		*70 - 130*	*09/13/11 11:35*	*09/14/11 01:51*	*1.00*
Dibromofluoromethane	*103*		*70 - 130*	*09/13/11 11:35*	*09/14/11 01:51*	*1.00*
Toluene-d8	*104*		*70 - 130*	*09/13/11 11:35*	*09/14/11 01:51*	*1.00*
4-Bromofluorobenzene	*94*		*70 - 130*	*09/13/11 11:35*	*09/14/11 01:51*	*1.00*

Method: NWTPH-Gx - Purgeable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12) NW	ND		100		ug/L		09/13/11 17:30	09/14/11 02:40	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*92*		*50 - 150*	*09/13/11 17:30*	*09/14/11 02:40*	*1.00*

Method: NWTPH-Dx - Extractable Petroleum Hydrocarbons with Silica Gel Treatment

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel	ND		96.2		ug/L		09/14/11 06:00	09/14/11 15:34	1.00
Motor Oil	ND		240		ug/L		09/14/11 06:00	09/14/11 15:34	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*91*		*50 - 150*	*09/14/11 06:00*	*09/14/11 15:34*	*1.00*

Client: Conestoga-Rovers & Asso. (Everett)/ Shell
Project/Site: SAP 120531

TestAmerica Job ID: NUI1393

Client Sample ID: GW-241809-091211-SL-MW-5
Date Collected: 09/12/11 12:00
Date Received: 09/13/11 08:35

Lab Sample ID: NUI1393-04
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L		09/13/11 11:35	09/14/11 02:16	1.00
Ethylbenzene	ND		1.00		ug/L		09/13/11 11:35	09/14/11 02:16	1.00
Toluene	ND		1.00		ug/L		09/13/11 11:35	09/14/11 02:16	1.00
Xylenes, total	ND		3.00		ug/L		09/13/11 11:35	09/14/11 02:16	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*109*		*70 - 130*	*09/13/11 11:35*	*09/14/11 02:16*	*1.00*
Dibromofluoromethane	*100*		*70 - 130*	*09/13/11 11:35*	*09/14/11 02:16*	*1.00*
Toluene-d8	*103*		*70 - 130*	*09/13/11 11:35*	*09/14/11 02:16*	*1.00*
4-Bromofluorobenzene	*98*		*70 - 130*	*09/13/11 11:35*	*09/14/11 02:16*	*1.00*

Method: NWTPH-Gx - Purgeable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12) NW	ND		100		ug/L		09/13/11 17:30	09/14/11 03:13	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*92*		*50 - 150*	*09/13/11 17:30*	*09/14/11 03:13*	*1.00*

Method: NWTPH-Dx - Extractable Petroleum Hydrocarbons with Silica Gel Treatment

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel	ND		98.0		ug/L		09/14/11 06:00	09/14/11 15:58	1.00
Motor Oil	ND		245		ug/L		09/14/11 06:00	09/14/11 15:58	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*96*		*50 - 150*	*09/14/11 06:00*	*09/14/11 15:58*	*1.00*

Client: Conestoga-Rovers & Asso. (Everett)/ Shell
Project/Site: SAP 120531

TestAmerica Job ID: NUI1393

Client Sample ID: GW-241809-091211-SL-MW-7
Date Collected: 09/12/11 11:00
Date Received: 09/13/11 08:35

Lab Sample ID: NUI1393-05
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L		09/13/11 11:35	09/14/11 11:57	1.00
Ethylbenzene	ND		1.00		ug/L		09/13/11 11:35	09/14/11 11:57	1.00
Toluene	ND		1.00		ug/L		09/13/11 11:35	09/14/11 11:57	1.00
Xylenes, total	ND		3.00		ug/L		09/13/11 11:35	09/14/11 11:57	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*110*		*70 - 130*	*09/13/11 11:35*	*09/14/11 11:57*	*1.00*
Dibromofluoromethane	*103*		*70 - 130*	*09/13/11 11:35*	*09/14/11 11:57*	*1.00*
Toluene-d8	*103*		*70 - 130*	*09/13/11 11:35*	*09/14/11 11:57*	*1.00*
4-Bromofluorobenzene	*100*		*70 - 130*	*09/13/11 11:35*	*09/14/11 11:57*	*1.00*

Method: NWTPH-Gx - Purgeable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12) NW	ND		100		ug/L		09/13/11 17:30	09/14/11 03:46	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*95*		*50 - 150*	*09/13/11 17:30*	*09/14/11 03:46*	*1.00*

Client: Conestoga-Rovers & Asso. (Everett)/ Shell
Project/Site: SAP 120531

TestAmerica Job ID: NUI1393

Client Sample ID: GW-241809-091211-SL-MW-8
Date Collected: 09/12/11 12:20
Date Received: 09/13/11 08:35

Lab Sample ID: NUI1393-06
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L		09/13/11 11:35	09/14/11 02:42	1.00
Ethylbenzene	ND		1.00		ug/L		09/13/11 11:35	09/14/11 02:42	1.00
Toluene	ND		1.00		ug/L		09/13/11 11:35	09/14/11 02:42	1.00
Xylenes, total	ND		3.00		ug/L		09/13/11 11:35	09/14/11 02:42	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*110*		*70 - 130*	*09/13/11 11:35*	*09/14/11 02:42*	*1.00*
Dibromofluoromethane	*106*		*70 - 130*	*09/13/11 11:35*	*09/14/11 02:42*	*1.00*
Toluene-d8	*101*		*70 - 130*	*09/13/11 11:35*	*09/14/11 02:42*	*1.00*
4-Bromofluorobenzene	*98*		*70 - 130*	*09/13/11 11:35*	*09/14/11 02:42*	*1.00*

Method: NWTPH-Gx - Purgeable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12) NW	ND		100		ug/L		09/13/11 17:30	09/14/11 04:18	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*96*		*50 - 150*	*09/13/11 17:30*	*09/14/11 04:18*	*1.00*

Method: NWTPH-Dx - Extractable Petroleum Hydrocarbons with Silica Gel Treatment

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel	ND		99.0		ug/L		09/14/11 06:00	09/14/11 16:22	1.00
Motor Oil	ND		248		ug/L		09/14/11 06:00	09/14/11 16:22	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*99*		*50 - 150*	*09/14/11 06:00*	*09/14/11 16:22*	*1.00*

Client: Conestoga-Rovers & Asso. (Everett)/ Shell
Project/Site: SAP 120531

TestAmerica Job ID: NUI1393

Client Sample ID: GW-241809-091211-SL-MW-9
Date Collected: 09/12/11 13:30
Date Received: 09/13/11 08:35

Lab Sample ID: NUI1393-07
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	94.8		10.0		ug/L		09/13/11 11:35	09/14/11 06:07	10.0
Toluene	424		10.0		ug/L		09/13/11 11:35	09/14/11 06:07	10.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*101*		*70 - 130*	*09/13/11 11:35*	*09/14/11 06:07*	*10.0*
Dibromofluoromethane	*100*		*70 - 130*	*09/13/11 11:35*	*09/14/11 06:07*	*10.0*
Toluene-d8	*104*		*70 - 130*	*09/13/11 11:35*	*09/14/11 06:07*	*10.0*
4-Bromofluorobenzene	*91*		*70 - 130*	*09/13/11 11:35*	*09/14/11 06:07*	*10.0*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	2380		50.0		ug/L		09/13/11 11:35	09/14/11 13:40	50.0
Xylenes, total	12200		150		ug/L		09/13/11 11:35	09/14/11 13:40	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*108*		*70 - 130*	*09/13/11 11:35*	*09/14/11 13:40*	*50.0*
Dibromofluoromethane	*107*		*70 - 130*	*09/13/11 11:35*	*09/14/11 13:40*	*50.0*
Toluene-d8	*102*		*70 - 130*	*09/13/11 11:35*	*09/14/11 13:40*	*50.0*
4-Bromofluorobenzene	*94*		*70 - 130*	*09/13/11 11:35*	*09/14/11 13:40*	*50.0*

Method: SW846 8270CSIM - Polyaromatic Hydrocarbons by EPA 8270C SIM

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	51.3		0.0980		ug/L		09/13/11 14:50	09/19/11 22:27	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*46*		*27 - 120*	*09/13/11 14:50*	*09/19/11 22:27*	*1.00*
2-Fluorobiphenyl	*64*		*29 - 120*	*09/13/11 14:50*	*09/19/11 22:27*	*1.00*
Terphenyl-d14	*52*		*13 - 120*	*09/13/11 14:50*	*09/19/11 22:27*	*1.00*

Method: NWTPH-Gx - Purgeable Petroleum Hydrocarbons - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12) NW	59800		5000		ug/L		09/12/11 13:30	09/14/11 15:59	50.0

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*98*		*50 - 150*	*09/12/11 13:30*	*09/14/11 15:59*	*50.0*

Method: NWTPH-Dx - Extractable Petroleum Hydrocarbons with Silica Gel Treatment

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil	271	QP6	250		ug/L		09/14/11 06:00	09/14/11 16:46	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*23*	*S10 Z6*	*50 - 150*	*09/14/11 06:00*	*09/14/11 16:46*	*1.00*

Method: NWTPH-Dx - Extractable Petroleum Hydrocarbons with Silica Gel Treatment - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel	5440	QP7	500		ug/L		09/14/11 06:00	09/15/11 11:06	5.00

Client: Conestoga-Rovers & Asso. (Everett)/ Shell
Project/Site: SAP 120531

TestAmerica Job ID: NUI1393

Client Sample ID: GW-241809-091211-SL-MW-12
Date Collected: 09/12/11 11:20
Date Received: 09/13/11 08:35

Lab Sample ID: NUI1393-08
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L		09/13/11 11:35	09/14/11 03:08	1.00
Ethylbenzene	ND		1.00		ug/L		09/13/11 11:35	09/14/11 03:08	1.00
Toluene	ND		1.00		ug/L		09/13/11 11:35	09/14/11 03:08	1.00
Xylenes, total	ND		3.00		ug/L		09/13/11 11:35	09/14/11 03:08	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*109*		*70 - 130*	*09/13/11 11:35*	*09/14/11 03:08*	*1.00*
Dibromofluoromethane	*105*		*70 - 130*	*09/13/11 11:35*	*09/14/11 03:08*	*1.00*
Toluene-d8	*102*		*70 - 130*	*09/13/11 11:35*	*09/14/11 03:08*	*1.00*
4-Bromofluorobenzene	*97*		*70 - 130*	*09/13/11 11:35*	*09/14/11 03:08*	*1.00*

Method: SW846 8270CSIM - Polyaromatic Hydrocarbons by EPA 8270C SIM

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**1.43**		0.0971		ug/L		09/13/11 14:50	09/19/11 22:47	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*69*		*27 - 120*	*09/13/11 14:50*	*09/19/11 22:47*	*1.00*
2-Fluorobiphenyl	*64*		*29 - 120*	*09/13/11 14:50*	*09/19/11 22:47*	*1.00*
Terphenyl-d14	*76*		*13 - 120*	*09/13/11 14:50*	*09/19/11 22:47*	*1.00*

Method: NWTPH-Gx - Purgeable Petroleum Hydrocarbons - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12) NW	ND		100		ug/L		09/12/11 11:20	09/14/11 14:53	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*97*		*50 - 150*	*09/12/11 11:20*	*09/14/11 14:53*	*1.00*

Method: NWTPH-Dx - Extractable Petroleum Hydrocarbons with Silica Gel Treatment

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel	ND		98.0		ug/L		09/14/11 06:00	09/14/11 17:10	1.00
Motor Oil	ND		245		ug/L		09/14/11 06:00	09/14/11 17:10	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*82*		*50 - 150*	*09/14/11 06:00*	*09/14/11 17:10*	*1.00*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Lab Sample ID: 11I1981-BLK1
Matrix: Water
Analysis Batch: U016246

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11I1981_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L		09/10/11 16:54	09/13/11 22:51	1.00
Ethylbenzene	ND		1.00		ug/L		09/10/11 16:54	09/13/11 22:51	1.00
Toluene	ND		1.00		ug/L		09/10/11 16:54	09/13/11 22:51	1.00
Xylenes, total	ND		3.00		ug/L		09/10/11 16:54	09/13/11 22:51	1.00

Surrogate	*Blank % Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*109*		*70 - 130*	*09/10/11 16:54*	*09/13/11 22:51*	*1.00*
Dibromofluoromethane	*103*		*70 - 130*	*09/10/11 16:54*	*09/13/11 22:51*	*1.00*
Toluene-d8	*103*		*70 - 130*	*09/10/11 16:54*	*09/13/11 22:51*	*1.00*
4-Bromofluorobenzene	*101*		*70 - 130*	*09/10/11 16:54*	*09/13/11 22:51*	*1.00*

Lab Sample ID: 11I1981-BS1
Matrix: Water
Analysis Batch: U016246

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11I1981_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Benzene	20.0	21.3		ug/L		106	80 - 121
Ethylbenzene	20.0	22.0		ug/L		110	80 - 130
Toluene	20.0	23.0		ug/L		115	80 - 126
Xylenes, total	60.0	68.0		ug/L		113	80 - 132

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4	*105*		*70 - 130*
Dibromofluoromethane	*106*		*70 - 130*
Toluene-d8	*104*		*70 - 130*
4-Bromofluorobenzene	*94*		*70 - 130*

Lab Sample ID: 11I1981-MS1
Matrix: Water
Analysis Batch: U016246

Client Sample ID: Matrix Spike
Prep Type: Total
Prep Batch: 11I1981_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits
Benzene	ND		50.0	52.5		ug/L		105	75 - 133
Ethylbenzene	ND		50.0	56.0		ug/L		112	79 - 139
Toluene	ND		50.0	57.3		ug/L		115	75 - 136
Xylenes, total	ND		150	172		ug/L		114	74 - 141

Surrogate	*Matrix Spike % Recovery*	*Matrix Spike Qualifier*	*Limits*
1,2-Dichloroethane-d4	*102*		*70 - 130*
Dibromofluoromethane	*107*		*70 - 130*
Toluene-d8	*102*		*70 - 130*
4-Bromofluorobenzene	*93*		*70 - 130*

Lab Sample ID: 11I1981-MSD1
Matrix: Water
Analysis Batch: U016246

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total
Prep Batch: 11I1981_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Benzene	ND		50.0	51.3		ug/L		103	75 - 133	2	17

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11I1981-MSD1
Matrix: Water
Analysis Batch: U016246

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total
Prep Batch: 11I1981_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Ethylbenzene	ND		50.0	53.3		ug/L		107	79 - 139	5	15
Toluene	ND		50.0	54.9		ug/L		110	75 - 136	4	15
Xylenes, total	ND		150	162		ug/L		108	74 - 141	6	15

Surrogate	*Matrix Spike Dup % Recovery*	*Matrix Spike Dup Qualifier*	*Limits*
1,2-Dichloroethane-d4	*107*		*70 - 130*
Dibromofluoromethane	*109*		*70 - 130*
Toluene-d8	*101*		*70 - 130*
4-Bromofluorobenzene	*90*		*70 - 130*

Lab Sample ID: 11I2637-BLK1
Matrix: Water
Analysis Batch: U016319

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11I2637_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L		09/14/11 00:00	09/14/11 11:32	1.00
Ethylbenzene	ND		1.00		ug/L		09/14/11 00:00	09/14/11 11:32	1.00
Toluene	ND		1.00		ug/L		09/14/11 00:00	09/14/11 11:32	1.00
Xylenes, total	ND		3.00		ug/L		09/14/11 00:00	09/14/11 11:32	1.00

Surrogate	*Blank % Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*107*		*70 - 130*	*09/14/11 00:00*	*09/14/11 11:32*	*1.00*
Dibromofluoromethane	*102*		*70 - 130*	*09/14/11 00:00*	*09/14/11 11:32*	*1.00*
Toluene-d8	*105*		*70 - 130*	*09/14/11 00:00*	*09/14/11 11:32*	*1.00*
4-Bromofluorobenzene	*98*		*70 - 130*	*09/14/11 00:00*	*09/14/11 11:32*	*1.00*

Lab Sample ID: 11I2637-BS1
Matrix: Water
Analysis Batch: U016319

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11I2637_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Benzene	20.0	22.7		ug/L		114	80 - 121
Ethylbenzene	20.0	23.0		ug/L		115	80 - 130
Toluene	20.0	24.0		ug/L		120	80 - 126
Xylenes, total	60.0	71.7		ug/L		120	80 - 132

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4	*107*		*70 - 130*
Dibromofluoromethane	*109*		*70 - 130*
Toluene-d8	*103*		*70 - 130*
4-Bromofluorobenzene	*93*		*70 - 130*

Lab Sample ID: 11I2637-MS1
Matrix: Water
Analysis Batch: U016319

Client Sample ID: Matrix Spike
Prep Type: Total
Prep Batch: 11I2637_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits
Benzene	616		2500	3050		ug/L		97	75 - 133
Ethylbenzene	1440		2500	3870		ug/L		97	79 - 139

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11I2637-MS1
Matrix: Water
Analysis Batch: U016319

Client Sample ID: Matrix Spike
Prep Type: Total
Prep Batch: 11I2637_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits		
Toluene	49.5		2500	2780		ug/L		109	75 - 136		
Xylenes, total	5600		7500	12200		ug/L		88	74 - 141		

Surrogate	*Matrix Spike % Recovery*	*Matrix Spike Qualifier*	*Limits*
1,2-Dichloroethane-d4	*95*		*70 - 130*
Dibromofluoromethane	*99*		*70 - 130*
Toluene-d8	*105*		*70 - 130*
4-Bromofluorobenzene	*97*		*70 - 130*

Lab Sample ID: 11I2637-MSD1
Matrix: Water
Analysis Batch: U016319

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total
Prep Batch: 11I2637_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Benzene	616		2500	3090		ug/L		99	75 - 133	1	17
Ethylbenzene	1440		2500	3890		ug/L		98	79 - 139	0.4	15
Toluene	49.5		2500	2740		ug/L		108	75 - 136	1	15
Xylenes, total	5600		7500	12300		ug/L		89	74 - 141	0.7	15

Surrogate	*Matrix Spike Dup % Recovery*	*Matrix Spike Dup Qualifier*	*Limits*
1,2-Dichloroethane-d4	*94*		*70 - 130*
Dibromofluoromethane	*105*		*70 - 130*
Toluene-d8	*105*		*70 - 130*
4-Bromofluorobenzene	*93*		*70 - 130*

Method: SW846 8270CSIM - Polyaromatic Hydrocarbons by EPA 8270C SIM

Lab Sample ID: 11I2330-BLK1
Matrix: Water
Analysis Batch: 11I2330

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11I2330_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.100		ug/L		09/13/11 14:50	09/19/11 21:07	1.00
Acenaphthylene	ND		0.100		ug/L		09/13/11 14:50	09/19/11 21:07	1.00
Anthracene	ND		0.100		ug/L		09/13/11 14:50	09/19/11 21:07	1.00
Benzo (a) anthracene	ND		0.100		ug/L		09/13/11 14:50	09/19/11 21:07	1.00
Benzo (a) pyrene	ND		0.100		ug/L		09/13/11 14:50	09/19/11 21:07	1.00
Benzo (b) fluoranthene	ND		0.100		ug/L		09/13/11 14:50	09/19/11 21:07	1.00
Benzo (g,h,i) perylene	ND		0.100		ug/L		09/13/11 14:50	09/19/11 21:07	1.00
Benzo (k) fluoranthene	ND		0.100		ug/L		09/13/11 14:50	09/19/11 21:07	1.00
Chrysene	ND		0.100		ug/L		09/13/11 14:50	09/19/11 21:07	1.00
Dibenz (a,h) anthracene	ND		0.100		ug/L		09/13/11 14:50	09/19/11 21:07	1.00
Fluoranthene	ND		0.100		ug/L		09/13/11 14:50	09/19/11 21:07	1.00
Fluorene	ND		0.100		ug/L		09/13/11 14:50	09/19/11 21:07	1.00
Indeno (1,2,3-cd) pyrene	ND		0.100		ug/L		09/13/11 14:50	09/19/11 21:07	1.00
1-Methylnaphthalene	ND		0.100		ug/L		09/13/11 14:50	09/19/11 21:07	1.00
2-Methylnaphthalene	ND		0.100		ug/L		09/13/11 14:50	09/19/11 21:07	1.00
Naphthalene	ND		0.100		ug/L		09/13/11 14:50	09/19/11 21:07	1.00
Phenanthrene	ND		0.100		ug/L		09/13/11 14:50	09/19/11 21:07	1.00

Method: SW846 8270CSIM - Polyaromatic Hydrocarbons by EPA 8270C SIM (Continued)

Lab Sample ID: 11I2330-BLK1
Matrix: Water
Analysis Batch: 11I2330

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11I2330_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	ND		0.100		ug/L		09/13/11 14:50	09/19/11 21:07	1.00

Surrogate	*Blank % Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*73*		*27 - 120*	*09/13/11 14:50*	*09/19/11 21:07*	*1.00*
2-Fluorobiphenyl	*68*		*29 - 120*	*09/13/11 14:50*	*09/19/11 21:07*	*1.00*
Terphenyl-d14	*90*		*13 - 120*	*09/13/11 14:50*	*09/19/11 21:07*	*1.00*

Lab Sample ID: 11I2330-BS1
Matrix: Water
Analysis Batch: 11I2330

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11I2330_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acenaphthene	1.00	0.780	MNR1	ug/L		78	46 - 120
Acenaphthylene	1.00	0.790	MNR1	ug/L		79	48 - 120
Anthracene	1.00	0.850	MNR1	ug/L		85	58 - 130
Benzo (a) anthracene	1.00	0.900	MNR1	ug/L		90	57 - 120
Benzo (a) pyrene	1.00	0.810	MNR1	ug/L		81	57 - 124
Benzo (b) fluoranthene	1.00	0.830	MNR1	ug/L		83	51 - 125
Benzo (g,h,i) perylene	1.00	0.840	MNR1	ug/L		84	51 - 123
Benzo (k) fluoranthene	1.00	0.780	MNR1	ug/L		78	51 - 120
Chrysene	1.00	0.780	MNR1	ug/L		78	55 - 120
Dibenz (a,h) anthracene	1.00	0.720	MNR1	ug/L		72	50 - 125
Fluoranthene	1.00	0.860	MNR1	ug/L		86	56 - 120
Fluorene	1.00	0.820	MNR1	ug/L		82	52 - 120
Indeno (1,2,3-cd) pyrene	1.00	0.830	MNR1	ug/L		83	54 - 125
1-Methylnaphthalene	1.00	0.630	MNR1	ug/L		63	36 - 120
2-Methylnaphthalene	1.00	0.750	MNR1	ug/L		75	31 - 120
Naphthalene	1.00	0.830	MNR1	ug/L		83	37 - 120
Phenanthrene	1.00	0.810	MNR1	ug/L		81	56 - 120
Pyrene	1.00	0.830	MNR1	ug/L		83	53 - 122

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5	*75*		*27 - 120*
2-Fluorobiphenyl	*70*		*29 - 120*
Terphenyl-d14	*91*		*13 - 120*

Method: NWTPH-Gx - Purgeable Petroleum Hydrocarbons

Lab Sample ID: 11I2449-BLK1
Matrix: Water
Analysis Batch: U016237

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11I2449_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12) NW	ND		100		ug/L		09/13/11 00:00	09/13/11 20:36	1.00

Surrogate	*Blank % Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*95*		*50 - 150*	*09/13/11 00:00*	*09/13/11 20:36*	*1.00*

Method: NWTPH-Gx - Purgeable Petroleum Hydrocarbons (Continued)

Lab Sample ID: 11I2449-BS1
Matrix: Water
Analysis Batch: U016237

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11I2449_P

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
GRO (C4-C12) NW			1000	1040		ug/L		104	39 - 143		

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*105*		*50 - 150*

Lab Sample ID: 11I2449-DUP1
Matrix: Water
Analysis Batch: U016237

Client Sample ID: Duplicate
Prep Type: Total
Prep Batch: 11I2449_P

Analyte	Sample Result	Sample Qualifier		Duplicate Result	Duplicate Qualifier	Unit	D			RPD	RPD Limit
GRO (C4-C12) NW	291			294		ug/L				1	18

Surrogate	*Duplicate % Recovery*	*Duplicate Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*99*		*50 - 150*

Lab Sample ID: 11I2548-BLK1
Matrix: Water
Analysis Batch: U016303

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11I2548_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12) NW	ND		100		ug/L		09/14/11 00:00	09/14/11 13:07	1.00

Surrogate	*Blank % Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*97*		*50 - 150*	*09/14/11 00:00*	*09/14/11 13:07*	*1.00*

Lab Sample ID: 11I2548-BS1
Matrix: Water
Analysis Batch: U016303

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11I2548_P

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
GRO (C4-C12) NW			1000	1080		ug/L		108	39 - 143		

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*106*		*50 - 150*

Lab Sample ID: 11I2548-DUP1
Matrix: Water
Analysis Batch: U016303

Client Sample ID: Duplicate
Prep Type: Total
Prep Batch: 11I2548_P

Analyte	Sample Result	Sample Qualifier		Duplicate Result	Duplicate Qualifier	Unit	D			RPD	RPD Limit
GRO (C4-C12) NW	101			77.4	R2	ug/L				27	18

Surrogate	*Duplicate % Recovery*	*Duplicate Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*94*		*50 - 150*

Client: Conestoga-Rovers & Asso. (Everett)/ Shell
Project/Site: SAP 120531

TestAmerica Job ID: NUI1393

Method: NWTPH-Dx - Extractable Petroleum Hydrocarbons with Silica Gel Treatment

Lab Sample ID: 11I2436-BLK1
Matrix: Water
Analysis Batch: U016270

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11I2436_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel	ND		100		ug/L		09/14/11 06:00	09/14/11 13:58	1.00
Motor Oil	ND		250		ug/L		09/14/11 06:00	09/14/11 13:58	1.00

Surrogate	*Blank % Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*90*		*50 - 150*	*09/14/11 06:00*	*09/14/11 13:58*	*1.00*

Lab Sample ID: 11I2436-BS1
Matrix: Water
Analysis Batch: U016270

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11I2436_P

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
Diesel			1000	1160	MNR1	ug/L		116	51 - 132		

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*83*		*50 - 150*

GCMS Volatiles

Analysis Batch: U016246

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11I1981-BLK1	Method Blank	Total	Water	SW846 8260B	11I1981_P
11I1981-BS1	Lab Control Sample	Total	Water	SW846 8260B	11I1981_P
11I1981-MS1	Matrix Spike	Total	Water	SW846 8260B	11I1981_P
11I1981-MSD1	Matrix Spike Duplicate	Total	Water	SW846 8260B	11I1981_P
NUI1393-01	GW-241809-091211-SL-MW-1	Total	Water	SW846 8260B	11I1981_P
NUI1393-02	GW-241809-091211-SL-MW-3	Total	Water	SW846 8260B	11I1981_P
NUI1393-03	GW-241809-091211-SL-MW-4	Total	Water	SW846 8260B	11I1981_P
NUI1393-04	GW-241809-091211-SL-MW-5	Total	Water	SW846 8260B	11I1981_P
NUI1393-06	GW-241809-091211-SL-MW-8	Total	Water	SW846 8260B	11I1981_P
NUI1393-07	GW-241809-091211-SL-MW-9	Total	Water	SW846 8260B	11I1981_P
NUI1393-08	GW-241809-091211-SL-MW-12	Total	Water	SW846 8260B	11I1981_P

Analysis Batch: U016319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11I2637-BLK1	Method Blank	Total	Water	SW846 8260B	11I2637_P
11I2637-BS1	Lab Control Sample	Total	Water	SW846 8260B	11I2637_P
11I2637-MS1	Matrix Spike	Total	Water	SW846 8260B	11I2637_P
11I2637-MSD1	Matrix Spike Duplicate	Total	Water	SW846 8260B	11I2637_P
NUI1393-05 - RE1	GW-241809-091211-SL-MW-7	Total	Water	SW846 8260B	11I2637_P
NUI1393-07 - RE1	GW-241809-091211-SL-MW-9	Total	Water	SW846 8260B	11I2637_P

Prep Batch: 11I1981_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11I1981-BLK1	Method Blank	Total	Water	EPA 5030B	
11I1981-BS1	Lab Control Sample	Total	Water	EPA 5030B	
11I1981-MS1	Matrix Spike	Total	Water	EPA 5030B	
11I1981-MSD1	Matrix Spike Duplicate	Total	Water	EPA 5030B	
NUI1393-01	GW-241809-091211-SL-MW-1	Total	Water	EPA 5030B	
NUI1393-02	GW-241809-091211-SL-MW-3	Total	Water	EPA 5030B	
NUI1393-03	GW-241809-091211-SL-MW-4	Total	Water	EPA 5030B	
NUI1393-04	GW-241809-091211-SL-MW-5	Total	Water	EPA 5030B	
NUI1393-06	GW-241809-091211-SL-MW-8	Total	Water	EPA 5030B	
NUI1393-07	GW-241809-091211-SL-MW-9	Total	Water	EPA 5030B	
NUI1393-08	GW-241809-091211-SL-MW-12	Total	Water	EPA 5030B	

Prep Batch: 11I2637_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11I2637-BLK1	Method Blank	Total	Water	EPA 5030B	
11I2637-BS1	Lab Control Sample	Total	Water	EPA 5030B	
11I2637-MS1	Matrix Spike	Total	Water	EPA 5030B	
11I2637-MSD1	Matrix Spike Duplicate	Total	Water	EPA 5030B	
NUI1393-05 - RE1	GW-241809-091211-SL-MW-7	Total	Water	EPA 5030B	
NUI1393-07 - RE1	GW-241809-091211-SL-MW-9	Total	Water	EPA 5030B	

GCMS Semivolatiles

Analysis Batch: 11I2330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11I2330-BLK1	Method Blank	Total	Water	SW846 8270CSIM	11I2330_P
11I2330-BS1	Lab Control Sample	Total	Water	SW846 8270CSIM	11I2330_P

GCMS Semivolatiles (Continued)

Analysis Batch: 11I2330 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NUI1393-01	GW-241809-091211-SL-MW-1	Total	Water	SW846 8270CSIM	11I2330_P
NUI1393-07	GW-241809-091211-SL-MW-9	Total	Water	SW846 8270CSIM	11I2330_P
NUI1393-08	GW-241809-091211-SL-MW-12	Total	Water	SW846 8270CSIM	11I2330_P

Prep Batch: 11I2330_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11I2330-BLK1	Method Blank	Total	Water	EPA 3510C	
11I2330-BS1	Lab Control Sample	Total	Water	EPA 3510C	
NUI1393-01	GW-241809-091211-SL-MW-1	Total	Water	EPA 3510C	
NUI1393-07	GW-241809-091211-SL-MW-9	Total	Water	EPA 3510C	
NUI1393-08	GW-241809-091211-SL-MW-12	Total	Water	EPA 3510C	

GC Volatiles

Analysis Batch: U016237

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11I2449-BLK1	Method Blank	Total	Water	NWTPH-Gx	11I2449_P
11I2449-BS1	Lab Control Sample	Total	Water	NWTPH-Gx	11I2449_P
11I2449-DUP1	Duplicate	Total	Water	NWTPH-Gx	11I2449_P
NUI1393-03	GW-241809-091211-SL-MW-4	Total	Water	NWTPH-Gx	11I2449_P
NUI1393-04	GW-241809-091211-SL-MW-5	Total	Water	NWTPH-Gx	11I2449_P
NUI1393-05	GW-241809-091211-SL-MW-7	Total	Water	NWTPH-Gx	11I2449_P
NUI1393-06	GW-241809-091211-SL-MW-8	Total	Water	NWTPH-Gx	11I2449_P

Analysis Batch: U016303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11I2548-BLK1	Method Blank	Total	Water	NWTPH-Gx	11I2548_P
11I2548-BS1	Lab Control Sample	Total	Water	NWTPH-Gx	11I2548_P
11I2548-DUP1	Duplicate	Total	Water	NWTPH-Gx	11I2548_P
NUI1393-01 - RE1	GW-241809-091211-SL-MW-1	Total	Water	NWTPH-Gx	11I2548_P
NUI1393-02 - RE1	GW-241809-091211-SL-MW-3	Total	Water	NWTPH-Gx	11I2548_P
NUI1393-07 - RE1	GW-241809-091211-SL-MW-9	Total	Water	NWTPH-Gx	11I2548_P
NUI1393-08 - RE1	GW-241809-091211-SL-MW-12	Total	Water	NWTPH-Gx	11I2548_P

Prep Batch: 11I2449_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11I2449-BLK1	Method Blank	Total	Water	EPA 5030B (GC)	
11I2449-BS1	Lab Control Sample	Total	Water	EPA 5030B (GC)	
11I2449-DUP1	Duplicate	Total	Water	EPA 5030B (GC)	
NUI1393-03	GW-241809-091211-SL-MW-4	Total	Water	EPA 5030B (GC)	
NUI1393-04	GW-241809-091211-SL-MW-5	Total	Water	EPA 5030B (GC)	
NUI1393-05	GW-241809-091211-SL-MW-7	Total	Water	EPA 5030B (GC)	
NUI1393-06	GW-241809-091211-SL-MW-8	Total	Water	EPA 5030B (GC)	

Prep Batch: 11I2548_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11I2548-BLK1	Method Blank	Total	Water	EPA 5030B (GC)	
11I2548-BS1	Lab Control Sample	Total	Water	EPA 5030B (GC)	
11I2548-DUP1	Duplicate	Total	Water	EPA 5030B (GC)	
NUI1393-01 - RE1	GW-241809-091211-SL-MW-1	Total	Water	EPA 5030B (GC)	

GC Volatiles (Continued)

Prep Batch: 11I2548_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NUI1393-02 - RE1	GW-241809-091211-SL-MW-3	Total	Water	EPA 5030B (GC)	
NUI1393-07 - RE1	GW-241809-091211-SL-MW-9	Total	Water	EPA 5030B (GC)	
NUI1393-08 - RE1	GW-241809-091211-SL-MW-12	Total	Water	EPA 5030B (GC)	

GC Semivolatiles

Analysis Batch: U016270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11I2436-BLK1	Method Blank	Total	Water	NWTPH-Dx	11I2436_P
11I2436-BS1	Lab Control Sample	Total	Water	NWTPH-Dx	11I2436_P
NUI1393-01	GW-241809-091211-SL-MW-1	Total	Water	NWTPH-Dx	11I2436_P
NUI1393-02	GW-241809-091211-SL-MW-3	Total	Water	NWTPH-Dx	11I2436_P
NUI1393-03	GW-241809-091211-SL-MW-4	Total	Water	NWTPH-Dx	11I2436_P
NUI1393-04	GW-241809-091211-SL-MW-5	Total	Water	NWTPH-Dx	11I2436_P
NUI1393-06	GW-241809-091211-SL-MW-8	Total	Water	NWTPH-Dx	11I2436_P
NUI1393-07	GW-241809-091211-SL-MW-9	Total	Water	NWTPH-Dx	11I2436_P
NUI1393-08	GW-241809-091211-SL-MW-12	Total	Water	NWTPH-Dx	11I2436_P

Analysis Batch: U016310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NUI1393-01 - RE1	GW-241809-091211-SL-MW-1	Total	Water	NWTPH-Dx	11I2436_P
NUI1393-07 - RE1	GW-241809-091211-SL-MW-9	Total	Water	NWTPH-Dx	11I2436_P

Prep Batch: 11I2436_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11I2436-BLK1	Method Blank	Total	Water	EPA 3510C	
11I2436-BS1	Lab Control Sample	Total	Water	EPA 3510C	
NUI1393-01	GW-241809-091211-SL-MW-1	Total	Water	EPA 3510C	
NUI1393-01 - RE1	GW-241809-091211-SL-MW-1	Total	Water	EPA 3510C	
NUI1393-02	GW-241809-091211-SL-MW-3	Total	Water	EPA 3510C	
NUI1393-03	GW-241809-091211-SL-MW-4	Total	Water	EPA 3510C	
NUI1393-04	GW-241809-091211-SL-MW-5	Total	Water	EPA 3510C	
NUI1393-06	GW-241809-091211-SL-MW-8	Total	Water	EPA 3510C	
NUI1393-07	GW-241809-091211-SL-MW-9	Total	Water	EPA 3510C	
NUI1393-07 - RE1	GW-241809-091211-SL-MW-9	Total	Water	EPA 3510C	
NUI1393-08	GW-241809-091211-SL-MW-12	Total	Water	EPA 3510C	

Lab Chronicle

Client: Conestoga-Rovers & Asso. (Everett)/ Shell
Project/Site: SAP 120531

TestAmerica Job ID: NUI1393

Client Sample ID: GW-241809-091211-SL-MW-1

Lab Sample ID: NUI1393-01

Date Collected: 09/12/11 13:15

Matrix: Water

Date Received: 09/13/11 08:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	11I1981_P	09/13/11 11:35	TSP	TAL NSH
Total	Analysis	SW846 8260B		10.0	U016246	09/14/11 05:15	JJR	TAL NSH
Total	Prep	EPA 3510C		0.980	11I2330_P	09/13/11 14:50	MSR	TAL NSH
Total	Analysis	SW846 8270CSIM		1.00	11I2330	09/19/11 22:07	CLJ	TAL NSH
Total	Prep	EPA 5030B (GC)	RE1	1.00	11I2548_P	09/12/11 13:15	KAR2	TAL NSH
Total	Analysis	NWTPH-Gx	RE1	5.00	U016303	09/14/11 16:32	KAR2	TAL NSH
Total	Prep	EPA 3510C		0.990	11I2436_P	09/14/11 06:00	MSR	TAL NSH
Total	Analysis	NWTPH-Dx		1.00	U016270	09/14/11 14:46	KKH	TAL NSH
Total	Prep	EPA 3510C	RE1	0.990	11I2436_P	09/14/11 06:00	MSR	TAL NSH
Total	Analysis	NWTPH-Dx	RE1	2.00	U016310	09/15/11 10:42	KKH	TAL NSH

Client Sample ID: GW-241809-091211-SL-MW-3

Lab Sample ID: NUI1393-02

Date Collected: 09/12/11 12:50

Matrix: Water

Date Received: 09/13/11 08:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	11I1981_P	09/13/11 11:35	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	U016246	09/14/11 01:25	JJR	TAL NSH
Total	Prep	EPA 5030B (GC)	RE1	1.00	11I2548_P	09/12/11 12:50	KAR2	TAL NSH
Total	Analysis	NWTPH-Gx	RE1	1.00	U016303	09/14/11 14:20	KAR2	TAL NSH
Total	Prep	EPA 3510C		0.980	11I2436_P	09/14/11 06:00	MSR	TAL NSH
Total	Analysis	NWTPH-Dx		1.00	U016270	09/14/11 15:10	KKH	TAL NSH

Client Sample ID: GW-241809-091211-SL-MW-4

Lab Sample ID: NUI1393-03

Date Collected: 09/12/11 11:40

Matrix: Water

Date Received: 09/13/11 08:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	11I1981_P	09/13/11 11:35	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	U016246	09/14/11 01:51	JJR	TAL NSH
Total	Prep	EPA 5030B (GC)		1.00	11I2449_P	09/13/11 17:30	KAR2	TAL NSH
Total	Analysis	NWTPH-Gx		1.00	U016237	09/14/11 02:40	KAR2	TAL NSH
Total	Prep	EPA 3510C		0.962	11I2436_P	09/14/11 06:00	MSR	TAL NSH
Total	Analysis	NWTPH-Dx		1.00	U016270	09/14/11 15:34	KKH	TAL NSH

Client Sample ID: GW-241809-091211-SL-MW-5

Lab Sample ID: NUI1393-04

Date Collected: 09/12/11 12:00

Matrix: Water

Date Received: 09/13/11 08:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	11I1981_P	09/13/11 11:35	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	U016246	09/14/11 02:16	JJR	TAL NSH
Total	Prep	EPA 5030B (GC)		1.00	11I2449_P	09/13/11 17:30	KAR2	TAL NSH
Total	Analysis	NWTPH-Gx		1.00	U016237	09/14/11 03:13	KAR2	TAL NSH

Lab Chronicle

Client: Conestoga-Rovers & Asso. (Everett)/ Shell
Project/Site: SAP 120531

TestAmerica Job ID: NUI1393

Client Sample ID: GW-241809-091211-SL-MW-5

Lab Sample ID: NUI1393-04

Date Collected: 09/12/11 12:00

Matrix: Water

Date Received: 09/13/11 08:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 3510C		0.980	11I2436_P	09/14/11 06:00	MSR	TAL NSH
Total	Analysis	NWTPH-Dx		1.00	U016270	09/14/11 15:58	KKH	TAL NSH

Client Sample ID: GW-241809-091211-SL-MW-7

Lab Sample ID: NUI1393-05

Date Collected: 09/12/11 11:00

Matrix: Water

Date Received: 09/13/11 08:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B	RE1	1.00	11I2637_P	09/13/11 11:35	TSP	TAL NSH
Total	Analysis	SW846 8260B	RE1	1.00	U016319	09/14/11 11:57	JJR	TAL NSH
Total	Prep	EPA 5030B (GC)		1.00	11I2449_P	09/13/11 17:30	KAR2	TAL NSH
Total	Analysis	NWTPH-Gx		1.00	U016237	09/14/11 03:46	KAR2	TAL NSH

Client Sample ID: GW-241809-091211-SL-MW-8

Lab Sample ID: NUI1393-06

Date Collected: 09/12/11 12:20

Matrix: Water

Date Received: 09/13/11 08:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	11I1981_P	09/13/11 11:35	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	U016246	09/14/11 02:42	JJR	TAL NSH
Total	Prep	EPA 5030B (GC)		1.00	11I2449_P	09/13/11 17:30	KAR2	TAL NSH
Total	Analysis	NWTPH-Gx		1.00	U016237	09/14/11 04:18	KAR2	TAL NSH
Total	Prep	EPA 3510C		0.990	11I2436_P	09/14/11 06:00	MSR	TAL NSH
Total	Analysis	NWTPH-Dx		1.00	U016270	09/14/11 16:22	KKH	TAL NSH

Client Sample ID: GW-241809-091211-SL-MW-9

Lab Sample ID: NUI1393-07

Date Collected: 09/12/11 13:30

Matrix: Water

Date Received: 09/13/11 08:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	11I1981_P	09/13/11 11:35	TSP	TAL NSH
Total	Analysis	SW846 8260B		10.0	U016246	09/14/11 06:07	JJR	TAL NSH
Total	Prep	EPA 5030B	RE1	1.00	11I2637_P	09/13/11 11:35	TSP	TAL NSH
Total	Analysis	SW846 8260B	RE1	50.0	U016319	09/14/11 13:40	JJR	TAL NSH
Total	Prep	EPA 3510C		0.980	11I2330_P	09/13/11 14:50	MSR	TAL NSH
Total	Analysis	SW846 8270CSIM		1.00	11I2330	09/19/11 22:27	CLJ	TAL NSH
Total	Prep	EPA 5030B (GC)	RE1	1.00	11I2548_P	09/12/11 13:30	KAR2	TAL NSH
Total	Analysis	NWTPH-Gx	RE1	50.0	U016303	09/14/11 15:59	KAR2	TAL NSH
Total	Prep	EPA 3510C		1.00	11I2436_P	09/14/11 06:00	MSR	TAL NSH
Total	Analysis	NWTPH-Dx		1.00	U016270	09/14/11 16:46	KKH	TAL NSH
Total	Prep	EPA 3510C	RE1	1.00	11I2436_P	09/14/11 06:00	MSR	TAL NSH
Total	Analysis	NWTPH-Dx	RE1	5.00	U016310	09/15/11 11:06	KKH	TAL NSH

Lab Chronicle

Client: Conestoga-Rovers & Asso. (Everett)/ Shell
Project/Site: SAP 120531

TestAmerica Job ID: NUI1393

Client Sample ID: GW-241809-091211-SL-MW-12
Date Collected: 09/12/11 11:20
Date Received: 09/13/11 08:35

Lab Sample ID: NUI1393-08
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	11I1981_P	09/13/11 11:35	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	U016246	09/14/11 03:08	JJR	TAL NSH
Total	Prep	EPA 3510C		0.971	11I2330_P	09/13/11 14:50	MSR	TAL NSH
Total	Analysis	SW846 8270CSIM		1.00	11I2330	09/19/11 22:47	CLJ	TAL NSH
Total	Prep	EPA 5030B (GC)	RE1	1.00	11I2548_P	09/12/11 11:20	KAR2	TAL NSH
Total	Analysis	NWTPH-Gx	RE1	1.00	U016303	09/14/11 14:53	KAR2	TAL NSH
Total	Prep	EPA 3510C		0.980	11I2436_P	09/14/11 06:00	MSR	TAL NSH
Total	Analysis	NWTPH-Dx		1.00	U016270	09/14/11 17:10	KKH	TAL NSH

Laboratory References:
TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

Method Summary

Client: Conestoga-Rovers & Asso. (Everett)/ Shell
Project/Site: SAP 120531

TestAmerica Job ID: NUI1393

Method	Method Description	Protocol	Laboratory
SW846 8260B	Volatile Organic Compounds by EPA Method 8260B		TAL NSH
SW846 8270CSIM	Polyaromatic Hydrocarbons by EPA 8270C SIM		TAL NSH
NWTPH-Gx	Purgeable Petroleum Hydrocarbons		TAL NSH
NWTPH-Dx	Extractable Petroleum Hydrocarbons with Silica Gel Treatment		TAL NSH

Protocol References:

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

Certification Summary

Client: Conestoga-Rovers & Asso. (Everett)/ Shell
Project/Site: SAP 120531

TestAmerica Job ID: NUI1393

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Nashville	A2LA	ISO/IEC 17025		0453.07
TestAmerica Nashville	A2LA	WY UST		453.07
TestAmerica Nashville	AIHA	IHLAP		100790
TestAmerica Nashville	Alabama	State Program	4	41150
TestAmerica Nashville	Alaska	Alaska UST	10	UST-087
TestAmerica Nashville	Arizona	State Program	9	AZ0473
TestAmerica Nashville	Arkansas	State Program	6	88-0737
TestAmerica Nashville	CALA	CALA		3744
TestAmerica Nashville	California	NELAC	9	1168CA
TestAmerica Nashville	Colorado	State Program	8	N/A
TestAmerica Nashville	Connecticut	State Program	1	PH-0220
TestAmerica Nashville	Florida	NELAC	4	E87358
TestAmerica Nashville	Illinois	NELAC	5	200010
TestAmerica Nashville	Iowa	State Program	7	131
TestAmerica Nashville	Kansas	NELAC	7	E-10229
TestAmerica Nashville	Kentucky	Kentucky UST	4	19
TestAmerica Nashville	Kentucky	State Program	4	90038
TestAmerica Nashville	Louisiana	NELAC	6	30613
TestAmerica Nashville	Louisiana	NELAC	6	LA100011
TestAmerica Nashville	Maryland	State Program	3	316
TestAmerica Nashville	Massachusetts	State Program	1	M-TN032
TestAmerica Nashville	Minnesota	NELAC	5	047-999-345
TestAmerica Nashville	Mississippi	State Program	4	N/A
TestAmerica Nashville	Montana	MT DEQ UST	8	NA
TestAmerica Nashville	Nevada	State Program	9	TN00032
TestAmerica Nashville	New Hampshire	NELAC	1	2963
TestAmerica Nashville	New Jersey	NELAC	2	TN965
TestAmerica Nashville	New York	NELAC	2	11342
TestAmerica Nashville	North Carolina	North Carolina DENR	4	387
TestAmerica Nashville	North Dakota	State Program	8	R-146
TestAmerica Nashville	Ohio	OVAP	5	CL0033
TestAmerica Nashville	Oklahoma	State Program	6	9412
TestAmerica Nashville	Oregon	NELAC	10	TN200001
TestAmerica Nashville	Pennsylvania	NELAC	3	68-00585
TestAmerica Nashville	Rhode Island	State Program	1	LAO00268
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	Tennessee	State Program	4	2008
TestAmerica Nashville	Texas	NELAC	6	T104704077-09-TX
TestAmerica Nashville	USDA	USDA		S-48469
TestAmerica Nashville	Utah	NELAC	8	TAN
TestAmerica Nashville	Virginia	NELAC Secondary AB	3	460152
TestAmerica Nashville	Virginia	State Program	3	00323
TestAmerica Nashville	Washington	State Program	10	C789
TestAmerica Nashville	West Virginia	West Virginia DEP	3	219

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECI

NUI1393

Cooler Received/Opened On 9/13/2011 @ 0835

1. Tracking # 0435 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 97460373

2. Temperature of rep. sample or temp blank when opened: 1.9 *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) CT

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 # 1

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

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) EB

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) EB

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

21. Were there Non-Conformance issues at login? YES...NO Was a PIPE generated? YES...NO...#

BIS = Broken in shipment
Cooler Receipt Form.doc

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

NUI1393
09/27/11 23 59

COOLER RECEIPT FORM

Cooler Received/Opened On 9/13/2011 @ 0835

1. Tracking # 0424 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 97460373

2. Temperature of rep. sample or temp blank when opened: 0.2 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) JH

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 # 2

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

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) EB

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) EB

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

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

BIS = Broken in shipment
Cooler Receipt Form.doc

NUI1393

09/27/11 23:59

Shell Oil Products Chain Of Custody Record

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

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

Print Bill To Contact Name: Christina McClelland - 241809.2011.06

PO #

INCIDENT # (ENV SERVICES): 9 2 9 9 5 0 1 7

SAP #: 1 2 0 5 3 1

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 9/12/11

PAGE: 1 of 1

SAMPLING COMPANY: Blaine Tech Services

LOG CODE:

ADDRESS: 20735 Belshaw Avenue, Carson, CA 90746

PROJECT CONTACT (Hardcopy or PDF Report to): Lorin King

TELEPHONE: (310) 885-4455 x 108

FAX: (310) 637-5802

E-MAIL: lking@blainetech.com

SITE ADDRESS: Street and City: 11700 NE 160th, Bothell

State: WA

GLOBAL ID NO.: NA

EDF DELIVERABLE TO (Name, Company, Office Location): CRA, Seattle, WA

PHONE NO.: 425-563-6500

E-MAIL:

CONSULTANT PROJECT NO.: 116912-541

SAMPLER NAME(S) (Print): S. Lane

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:

LAB USE ONLY

SPECIAL INSTRUCTIONS OR NOTES:

1) Please upload the "CRA EQuIS 4-file EDD" to the CRA Website (http://cralabeddupload.craworld.com/equis/default.aspx) and/or send it to the Shell-US-LabDataManagement@CRAworld.com email folder. 2) Please indicate that you have uploaded the EDD by including "EDD Uploaded to CRA website" in the body of the email used to deliver the final PDF report to the Shell-US-LabDataManagement@CRAworld.com email folder.

Copy final report to Shell.Lab.Billing@craworld.com, Shell.results@craworld.com, and Shell-US-LabDataManagement@CRAworld.com

Email invoice to Shell.Lab.Billing@craworld.com

See Laboratory 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

Matrix Codes - WG (groundwater), WS (surface water), WP (drinking water source), W (Trip or Temp Blank)

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID	PROJECT NUMBER	DATE (MMDDYY)	SAMPLER INITIALS	WELL ID	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)	EDC (8011)	Total Lead (6020)	PCBs (8082)	PAHs (8070 SIM)	VOCs Full list (8260B)	Pest (8080)	NWTPH-VPH	NWTPH-EPH	Napthalenes (8270-SIM)	TPH-O	TEMPERATURE ON RECEIPT C°	Container PID Readings or Laboratory Notes
	GW	241809	091211	SL	MW-1	1315	WG	X					8	X	X	X											X	X		
	GW	241809	091211	SL	MW-3	1250	WG	X					8	X	X	X												X		
	GW	241809	091211	SL	MW-4	1140	WG	X					8	X	X	X												X		
	GW	241809	091211	SL	MW-5	1220	WG	X					8	X	X	X												X		
	GW	241809	091211	SL	MW-7	1100	WG	X					8	X	X	X												X		
	GW	241809	091211	SL	MW-8	1220	WG	X					6	X		X												X		
	GW	241809	091211	SL	MW-9	1330	WG	X					8	X	X	X												X		
	GW	241809	091211	SL	MW-12	1120	WG	X					8	X	X	X												X		
																											X	X		
																											X	X		

Relinquished by (Signature): S. Lane — Date: 9/12/11 — Time: 1700

Relinquished by (Signature):

Relinquished by (Signature):

Received by (Signature): shipped by FedEx

Received by (Signature):

Received by (Signature): Emmer Bonilla — Date: 9/13/11 — Time: 8:35

Multi

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09/27/2011