CLEANUP ACTION REPORT

FORMER JIFFY LUBE FACILITY
6317 NE FOURTH PLAIN BOULEVARD
VANCOUVER, WA

SAP CODE	174665
INCIDENT NO.	97807256
ECOLOGY F/S NO.	62389552
VCP NO.	SW1069

Prepared For:
Shell Oil Products US
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Prepared by:
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AUGUST 12, 2011
REF. NO. 060616 (2)
This report is printed on recycled paper.

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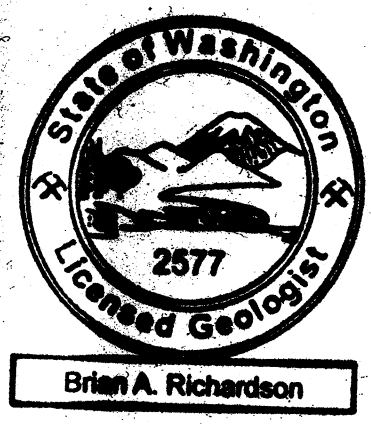
Brian Peters, LG

Brian Richardson, LG



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1.0 INTRODUCTION

1.1 SITE INFORMATION

Site Name:	Former Jiffy Lube Facility
Site Address:	6317 NE Fourth Plain Boulevard, Vancouver, WA
Voluntary Cleanup Program Number:	SW1069
Project Consultant:	Conestoga-Rovers & Associates
Project Consultant Contact Information:	Brian Richardson, LG 20818 44th Avenue W., Suite 190 Lynnwood, Washington, 98036 Office – 425.563-6500 Direct – 425.563-6511
Current Owner/Operator:	Vancouver Housing Authority

1.2 PURPOSE

Conestoga-Rovers & Associates (CRA) prepared this Cleanup Action (CA) report on behalf of Equilon Enterprises LLC dba Shell Oil Products US (SOPUS) for the former Jiffy Lube International (JLI) facility located at 6317 Northeast Fourth Plain Boulevard, Vancouver, Clark County, Washington (Property; Figure 1).

This CA report was prepared following the June 29, 2011 groundwater sampling event, which was the final compliance monitoring event outlined in the Washington State Department of Ecology (Ecology) approved Cleanup Action Plan (CAP) by URS dated January 27, 2010. This CA report along with the Remedial Investigation (RI)/CA report by URS Dated September 23, 2010 demonstrate that all the requirements under Washington Administrative Code (WAC) 173-340 have been met for a No Further Action (NFA) determination based on Site conditions and all environmental investigation findings associated with the petroleum hydrocarbon release at the Site.

1.3 SITE DESCRIPTION AND BACKGROUND

The Property includes two parcels with three addresses: 6221, 6317, and 6321 Northeast Fourth Plain Boulevard. The eastern parcel is developed includes the former JLI building with an attached shed and a restaurant, the western parcel is currently a vacant lot (Figure 2). Both parcels are currently owned by the Vancouver Housing Authority. The Property is zoned as commercial mixed use.

The Washington State Department of Ecology (Ecology) Model Toxics Control Act (MTCA; WAC 173-340) defines a "Site" as all affected areas from the petroleum release associated with the Property and potentially impacted adjacent parcels. The Site boundary is presented in Figure 2.

A prior Phase I Environmental Site Assessment (ESA) report indicated that the restaurant and oil change service buildings were constructed on the Property sometime between 1983 and 1985. Three underground storage tanks (USTs) were installed beneath the oil change building at the time of construction. In September 1993 the Property was purchased by JLI. In December 1995 the three USTs were decommissioned, two 550-gallon new oil, and one 550-gallon used oil. The USTs were closed in place using controlled density fill slurry and replaced with above ground storage tanks (ASTs). The ASTs were removed after 2006 and the above ground product piping was left in place. The Property was operated as an oil change service station from approximately 1985 through approximately 2005.

2.0 SITE CHARACTERIZATION

2.1 RELEASE DISCOVERY

In 2005 Hahn and Associates conducted Phase I and II ESAs to assess property conditions when JLI ceased operations. Phase II soil and groundwater sampling included borings in the vicinity of the oil change facility building as well as all catch basins and dry wells on the Property. Soil and groundwater samples were reported either less than the laboratory reporting limits or less than MTCA Method A cleanup levels for petroleum compounds on both parcels. Soil analytical results are presented in Table 1. Groundwater analytical results are presented in Table 2.

In January 2009, staining was observed in the former AST shed and on the paved parking area adjacent to the shed during a Phase I ESA conducted for the Property owner. The stains extended down slope to the westernmost storm drain. Inspection of the storm drain revealed standing water with a sheen. The storm drain was connected to the dry well located approximately 10 feet to the west of the Jiffy Lube operations boundary (Figure 2). In response to the findings, a soil and groundwater investigation was completed during January and February 2009 in the vicinity of the AST shed, decommissioned USTs, storm drains, and dry wells. Laboratory analysis of the soil and groundwater samples indicated concentrations of petroleum hydrocarbons exceeding MTCA Method A cleanup levels in the vicinity of the dry well (Tables 1 and 2). The impacted soil was apparently sourced from the AST product lines based on surface staining in the AST storage shed and parking lot, which terminated at the westernmost storm drain.

Soil borings were also advanced adjacent to the service bay entries and beneath the concrete slab in the AST shed and all soil and groundwater samples were below laboratory reporting limits or MTCA Method A cleanup levels for compounds listed in MTCA 173-340-900 Table 830-1 Required Testing for Petroleum Releases (Table 830-1).

A petroleum release impacting soil and groundwater was reported to Ecology on April 15, 2009, and the site was listed with Ecology's Confirmed and Suspected Contaminated Sites List program (ID #2626). The site was entered into Ecology's Voluntary Cleanup Program in October 2009 and issued Site number SW1069.

2.2 RESULTS OF REMEDIAL INVESTIGATION

In January 2010, URS submitted a Drywell Decommissioning and CAP to Ecology and upon approval conducted a remedial investigation. As defined in the CAP, areas requiring future management of petroleum hydrocarbons were limited to the vicinity of the western dry well, with additional confirmational soil sampling in the vicinity of the decommissioned new oil USTs. The Site constituents of concern (COCs) for soil included total petroleum hydrocarbons (TPH) as gasoline (TPHg), TPH as diesel (TPHd), TPH as heavy oil (TPHo), volatile organic compounds (VOCs), polynuclear aromatic hydrocarbons (PAHs) and metals.

Previous environmental site and remedial investigation activities detailed in the URS RI/CA report provided sufficient characterization and cleanup of Site soils and groundwater. Hexavalent chromium was analyzed on five soil samples during the remedial investigation for the purpose of demonstrating that a total chromium concentration detected in groundwater during the January 2009 site investigation did not contain hexavalent chromium. The groundwater sample was not speciated for trivalent and hexavalent chromium and exceeded the most stringent cleanup level derived for hexavalent chromium. Hexavalent chromium was below the MTCA Method A cleanup level in all of the samples as well as subsequent groundwater samples collected from monitoring well MW-1 discussed below. Figure 3 presents the locations of all soil samples collected at the Site. Table 1 presents the date of collection, sample depths, and analytical results for all soil samples.

The western drywell was decommissioned in June 2010 by excavation, which included removal of the westernmost storm drain. Approximately 136 tons of drain rock and soil were overexcavated for disposal during drywell decommission activities. Figure 3 depicts the extent of the excavation. On February 11, 2011 the City of Vancouver issued a letter of Final Acceptance for replacement of the storm drain and drywell.

To confirm conditions beneath the two decommissioned new oil USTs, borings BH-13 and BH-14 were angled beneath the oil change facility (Figure 3). Soil samples were collected and analyzed to close data gaps from the 1995 UST decommissioning. All analytes were below the laboratory reporting limits or MTCA Method A cleanup levels (Table 1).

Monitoring well MW-1 was installed adjacent to the drywell following replacement (Figure 2). Compliance groundwater monitoring began in the third quarter 2010. Compliance groundwater samples at the Site were below MTCA Method A cleanup levels for Site COCs identified in the URS RI/CA report. Table 2 summarizes historical groundwater analytical results for Site monitoring well MW-1 and previous investigation direct push grab samples and temporary well samples. Compliance monitoring samples were analyzed for Site COCs, which included TPHg, TPHo, TPHd, VOCs, PAHs, and metals.

2.3 SITE CONCEPTUAL MODEL

Petroleum hydrocarbons were released via surface flow from the AST shed to the westernmost Site storm drain and conveyed to the adjacent drywell where shallow soil and groundwater were impacted. The presence of shallow groundwater limited the vertical migration through the soil column and based on the results of Site investigation activities did not migrate laterally beyond the immediate vicinity of the dry well. The catch basin and dry well were replaced. Impacted soil was excavated during the replacement activity and confirmed to have been removed during subsequent site investigation activities. Subsurface soils at the Site consist of poorly graded sandy gravel, poorly graded sand and silty sand, which are saturated at a depth ranging from 14 to 22 feet below ground surface (bgs). Groundwater flow at the Site is inferred to the southwest based on analysis by URS presented in their 2010 CAP. Compliance groundwater sampling from July 2010 through June 2011 demonstrates that impacted soil adversely impacting groundwater quality has been successfully removed and groundwater quality is no longer impacted.

Burnt Bridge Creek is located approximately 0.75 miles south and the Columbia River approximately 2.25 miles south-southwest of the Site. The closest municipal drinking water well, installed at a depth of 275 feet bgs, is located approximately 1.2 miles north-northwest (upgradient) of the Property. Three private drinking water wells were located within approximately one half mile, installed at depths ranging from 116 to 174 feet bgs. These well are located either crossgradient, or upgradient of the Site and, therefore, are not likely to be impacted by the release from this Site.

A Terrestrial Ecological Evaluation (TEE) exclusion form was completed for the Site indicating that a TEE is not required for the Site and is included as Appendix A in addition to an aerial map depicting a 500-foot radius around the Site.

Based on current soil and groundwater quality at the Site and current use of the Property, soil vapor concentrations of petroleum hydrocarbon compounds are not likely to be a potential risk to human health. It is anticipated that the commercial use of the Property will continue in the future.

2.4 COMPLIANCE MONITORING RESULTS

As part of the compliance monitoring identified in the 2010 URS RI/CA Report, monitoring well MW-1 was monitored on a quarterly basis, and samples were analyzed for Site COCs. Concentrations of Site COCs in groundwater sampled for the past four quarters from monitoring well MW-1 have been below the laboratory reporting limits or MTCA Method A cleanup levels for all COCs. The results of compliance groundwater monitoring are presented in Table 2. Based on these results, no additional management of groundwater is necessary.

The first two quarters of compliance monitoring were conducted and reported to Ecology by URS. CRA performed the last two quarters of compliance monitoring during the first and second quarter of 2011. The analytical reports for the groundwater sampling conducted at monitoring well MW-1 during the first and second quarters of 2011 are included as Appendix B.

3.0 CLEANUP STANDARDS – SOIL AND GROUNDWATER

3.1 SOIL CLEANUP LEVELS

Based on the classification of groundwater in this area, MTCA Method A soil cleanup levels will be used for COCs at the Site. The point of compliance for soil cleanup levels based on protection of groundwater is all soil throughout the Site. Soil cleanup levels for Site COCs are presented in Table 1.

3.2 GROUNDWATER CLEANUP LEVELS

MTCA Method A groundwater cleanup levels for the Site COCs are used. The point of compliance is the entire Site. Groundwater cleanup levels for Site COCs are presented in Table 2.

4.0 REQUEST FOR NO FURTHER ACTION

Soil and groundwater concentrations are below MTCA Method A cleanup levels for all COCs associated with the release. The Site meets the criteria required for exclusion from further TEE, indicating that the Site is protective of the terrestrial environment. Based on the information contained in this CA report, CRA requests a No Further Action determination for the Site.

5.0 REFERENCES

Pacific Northern Environmental, *Underground Storage Tank, Limited Site Assessment and UST Closure in Place Report*, January 17, 1996.

Hahn and Associates, *Phase I Environmental Site Assessment Report*, October 14, 2005

Hahn and Associates, *Phase II Environmental Site Assessment Report*, December 6, 2005

PBS Environmental and Engineering, Inc., *Subsurface Assessment*, March 3, 2009

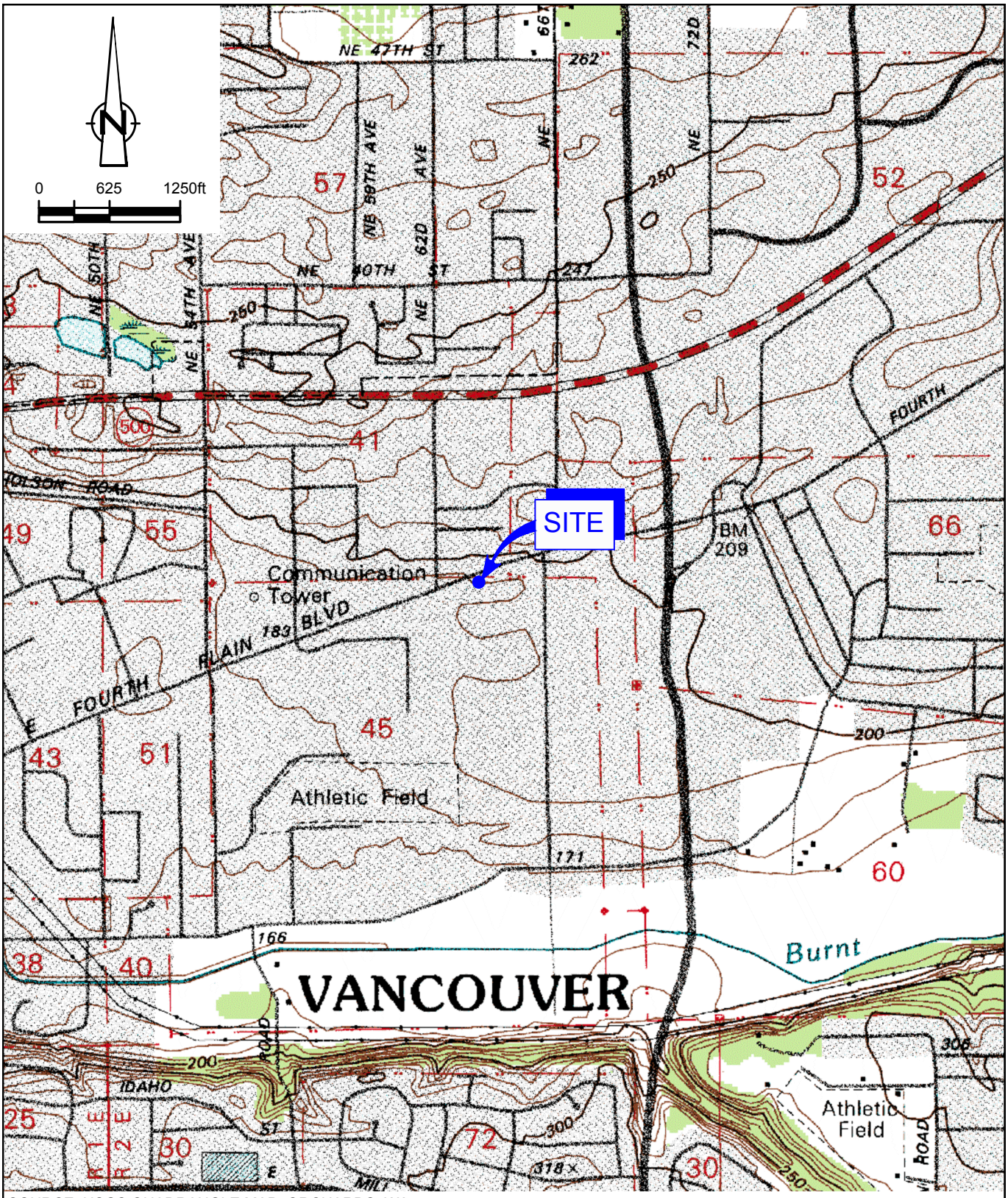
URS, *Drywell Decommissioning and Cleanup Action Plan,* January 27, 2010.

URS, *Remedial Investigation and Cleanup Action Report*, September 23, 2010.

URS, *Compliance Groundwater Monitoring Report*, December 20, 2010.

Clark County Assessor, *Property Information Center,* July 25, 2011.

FIGURES



SOURCE: USGS QUADRANGLE MAP: ORCHARDS, WA.

figure 1

VICINITY MAP
FORMER JIFFY LUBE FACILITY
6317 NORTHEAST 4TH PLAIN BOULEVARD
Vancouver, Washington

60616-95(001)GN-WA001 MAR 11/2011

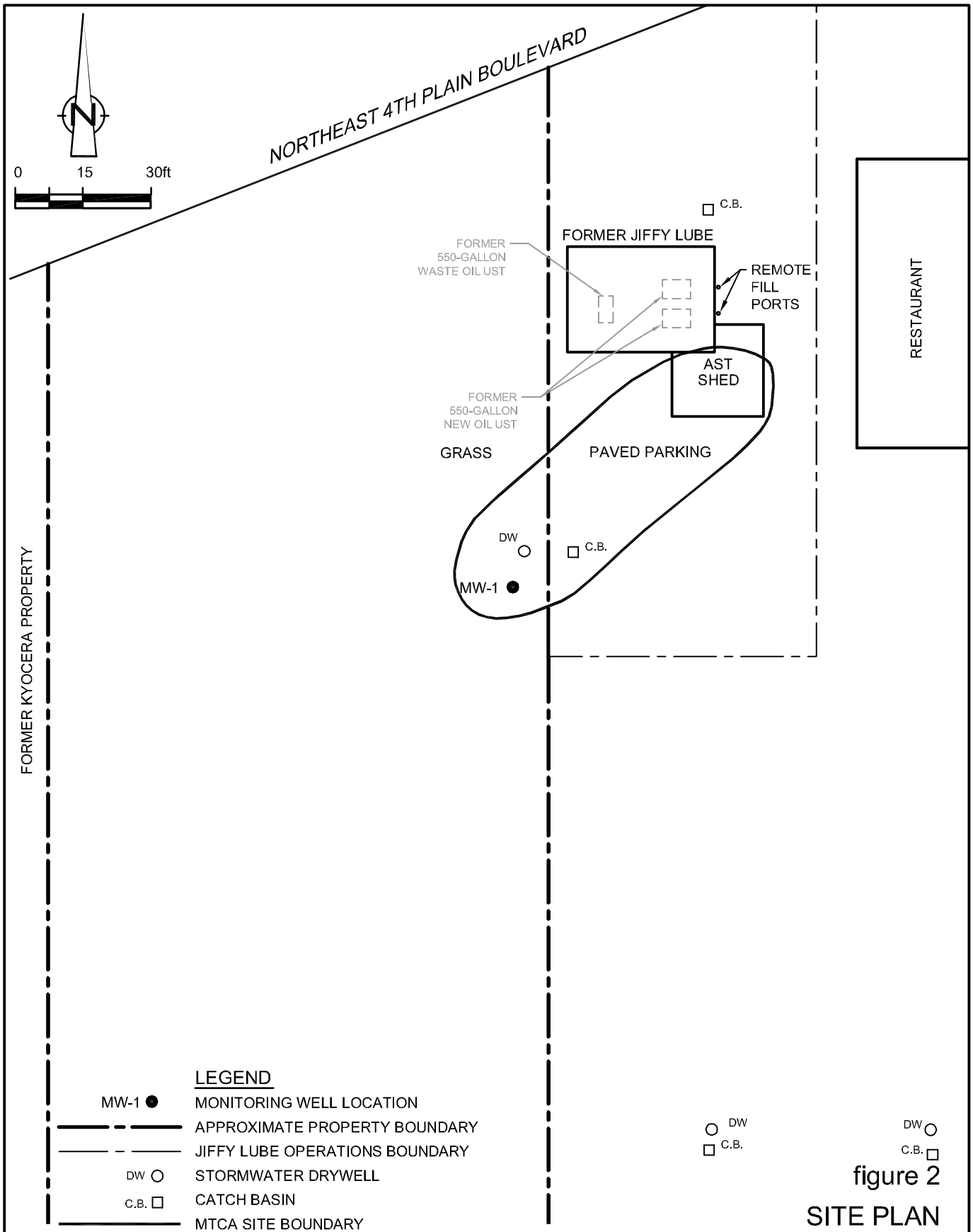
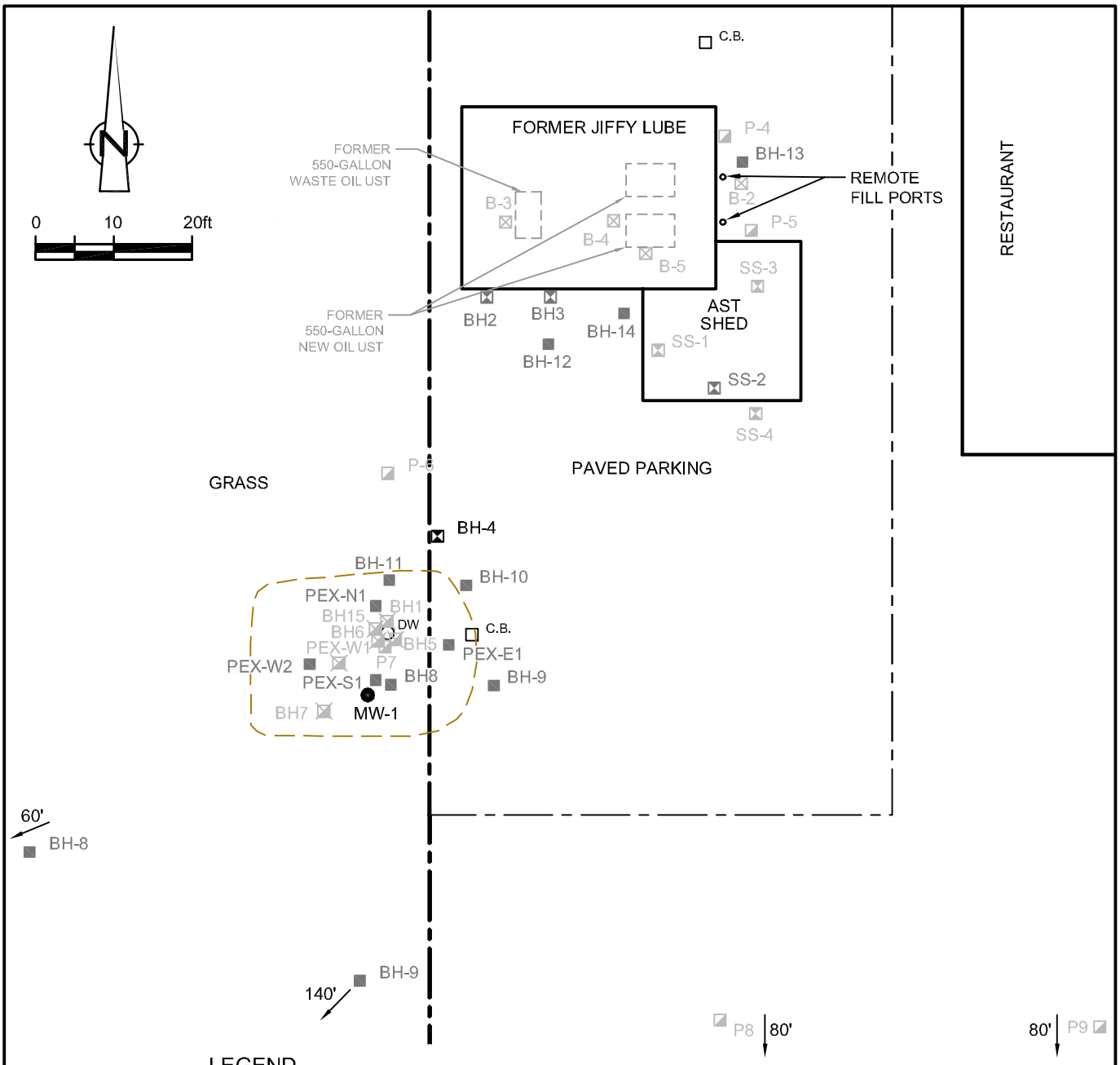


figure 2

SITE PLAN
FORMER JIFFY LUBE FACILITY
6317 NORTHEAST 4TH PLAIN BOULEVARD
Vancouver, Washington

SOURCE: URS, FIGURE 2, MONITORING WELL LOCATION, DATED DECEMBER 2010.



LEGEND

- MW-1 — MONITORING WELL LOCATION
- APPROXIMATE PARCEL BOUNDARY
- JIFFY LUBE OPERATIONS BOUNDARY
- DW — STORMWATER DRYWELL
- C.B. — CATCH BASIN
- LIMITS OF EXCAVATION (URS 2010)
- SOIL BORING LOCATION (PNE 1996)
- SOIL BORING LOCATION (HAI 2005)
- SOIL BORING LOCATION (PBS 2009)
- SOIL BORING LOCATION (URS 2010)
- OVEREXCAVATED
- 140' — SAMPLE LOCATION X' IN DIRECTION OF ARROW

- INDICATES ALL CONCENTRATIONS WERE BELOW LABORATORY REPORTING LIMITS
- INDICATES AT LEAST ONE CONCENTRATION WAS DETECTED ABOVE THE LABORATORY REPORTING LIMITS, BUT NO CONCENTRATION EXCEEDED THE MTCA CLEANUP LEVELS
- INDICATES AT LEAST ONE CONCENTRATION EXCEEDED THE MTCA CLEANUP LEVELS

figure 3

SOIL INVESTIGATION DATA MAP
FORMER JIFFY LUBE FACILITY
6317 NORTHEAST 4TH PLAIN BOULEVARD
Vancouver, Washington

SOURCE: URS, FIGURE 2, MONITORING WELL LOCATION, DATED DECEMBER 2010.

60616-95(001)GN-WA005 AUG 09/2011

TABLES

TABLE 1

SUMMARY OF SOIL ANALYTICAL RESULTS
FORMER JIFFY LUBE FACILITY
6317 NORTHEAST 4TH PLAIN BOULEVARD
VANCOUVER, WASHINGTON

				HYDROCARBONS			PRIMARY VOCS						OXYGENATES					TOTAL METALS			METALS	PAHS
Sample ID	Consultant	Sample Date	Sample Depth	TPHg	TPHd	TPHo	B	T	E	X	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Chromium/	Cadmium	Lead	Hexavalent Chromium	cPAHs
	MTCA Method A Cleanup Level		ft	30/100 (mg/kg)	2000 (mg/kg)	2000 (mg/kg)	0.03 (mg/kg)	7 (mg/kg)	6 (mg/kg)	9 (mg/kg)	0.005 (mg/kg)	NE (mg/kg)	0.1 (mg/kg)	NE (mg/kg)	NE (mg/kg)	NE (mg/kg)	NE (mg/kg)	2000 (mg/kg)	2 (mg/kg)	250 (mg/kg)	19 (mg/kg)	0.1 (mg/kg)
B2	PNE 1996	12/26/1995	6-8	<20	<50	<100	--	--	--	--	--	--	--	--	--	--	--	--	--	--		--
B3	PNE 1996	12/26/1995	6-8	<20	<50	<100	--	--	--	--	--	--	--	--	--	--	--	--	--	--		--
B4	PNE 1996	12/26/1995	6-8	<20	<50	<100	--	--	--	--	--	--	--	--	--	--	--	--	--	--		--
B5	PNE 1996	12/26/1995	6-8	<20	<50	<100	--	--	--	--	--	--	--	--	--	--	--	--	--	--		--
P-4	HAI 2005	11/10/2005	10-11	<20.9	<52.4	<105	--	--	--	--	--	--	--	--	--	--	--	--	--	--		--
P-5	HAI 2005	11/10/2005	0.5-1	<24.2	<60.5	<121	--	--	--	--	--	--	--	--	--	--	--	--	--	--		--
P-5	HAI 2005	11/10/2005	6.5-7	<18.9	<47.2	<94.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--		--
P-6	HAI 2005	11/10/2005	15-16	<22.4	<55.9	<112	--	--	--	--	--	--	--	--	--	--	--	--	--	--		--
P-7	HAI 2005	11/10/2005	13-14	<23.6	<59.0	<118	--	--	--	--	--	--	--	--	--	--	--	--	--	--		--
P-7	HAI 2005	11/10/2005	19-20	<24.9	<62.2	<124	--	--	--	--	--	--	--	--	--	--	--	--	--	--		--
P-8	HAI 2005	11/10/2005	12-13	<22.1	<55.3	<111	--	--	--	--	--	--	--	--	--	--	--	--	--	--		--
P-9	HAI 2005	11/10/2005	12.5-13.5	<22.1	<55.3	<111	--	--	--	--	--	--	--	--	--	--	--	--	--	--		--
BH-1-13 *	PBS 2009	1/2/2009	13-14	<20.7	120	765	<0.019	<0.0387	<0.0387	<0.116	<0.0327	<0.0327	<0.077	--	--	--	--	29.9	0.576 J	40.8		0.0912
BH-2-7*	PBS 2009	1/2/2009	7	<20.3	<50.6	<101	<0.015	<0.030	<0.030	<0.089	<0.0297	<0.0297	<0.059	--	--	--	--	--	--	--		--
BH-3-7*	PBS 2009	1/2/2009	7	<19.3	<48.2	<96.3	<0.015	<0.031	<0.031	<0.092	<0.0309	<0.0309	<0.062	--	--	--	--	--	--	--		--
SS-1-2	PBS 2009	1/2/2009	2	<19.5	<48.7	<97.4	<0.019	<0.037	<0.037	<0.102	<0.0372	<0.0372	<0.074	--	--	--	--	--	--	--		--
SS-2-2	PBS 2009	1/2/2009	2	<20.5	62.9	528	<0.016	<0.032	<0.032	<0.097	<0.0324	<0.0324	<0.065	--	--	--	--	21.8	0.442 J	6.11		0.0567
SS-4-2	PBS 2009	1/2/2009	2	<21.7	<54.7	<108	<0.018	<0.035	<0.035	<0.105	<0.0349	<0.0349	<0.070	--	--	--	--	--	--	--		--
BH-5-12	PBS 2009	2/2/2009	12	**2,670**	**14,700**	**48,600**	--	--	--	--	--	--	--	--	--	--	--	--	--	--		--
BH-6-12	PBS 2009	2/2/2009	12	1.46 J	<25.7	<51.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--		--
BH-7-14	PBS 2009	2/2/2009	14-15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		--
Drywell sediments[1] *	PBS 2009	2/4/2009	7-13	**90.9**	**10,500**	**79,500**	--	**7.05**	0.259	1.083	--	--	--	--	--	--	--	**2.77**	**2.77**	184		**1.341**
BH-8-17 *	URS 2010	2/25/2010	17	<0.5	<5	<5	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	9.53	<1	3.66		<0.020
BH-9-17.5 *	URS 2010	2/25/2010	17.5	<0.5	<5	<5	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	12.8	1.02	4.18		<0.020
BH-10-17.5 *	URS 2010	2/25/2010	17.5	0.52	<5	<5	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	11.7	<1	3.82		<0.020
BH-11-17.5 *	URS 2010	2/25/2010	17.5	<0.5	<5	<5	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	9.11	<1	3.58		<0.020
BH-12-16 *	URS 2010	2/26/2010	16	<0.5	<5	<5	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	8.12	<1	2.75		<0.020
BH-12-16 DUP *	URS 2010	2/26/2010	16	<0.5	<5	<5	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	7.94	<1	3.01		<0.020
BH-13-20L [2] *	URS 2010	2/26/2010	9.3	<0.5	<5	<5	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	10.4	<1	3.91		<0.020
BH-14-20L [2] *	URS 2010	2/26/2010	9.3	<0.5	<5	<5	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<0.010	<0.010	<0.010	11.5	<1	4.35		<0.020
BH-15-C [3] *	URS 2010	2/25/2010	5, 7, 11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		--

TABLE 1

SUMMARY OF SOIL ANALYTICAL RESULTS
FORMER JIFFY LUBE FACILITY
6317 NORTHEAST 4TH PLAIN BOULEVARD
VANCOUVER, WASHINGTON

				HYDROCARBONS			*PRIMARY VOCS*						*OXYGENATES*					*TOTAL METALS*			*METALS*	*PAHS*
Sample ID	*Consultant*	*Sample Date*	*Sample Depth*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*EDB*	*EDC*	*MTBE*	*TAME*	*TBA*	*DIPE*	*ETBE*	*Chromium/*	*Cadmium*	*Lead*	*Hexavalent Chromium*	*cPAHs*
	MTCA Method A Cleanup Level		*ft*	*30/100 (mg/kg)*	*2000 (mg/kg)*	*2000 (mg/kg)*	*0.03 (mg/kg)*	*7 (mg/kg)*	*6 (mg/kg)*	*9 (mg/kg)*	*0.005 (mg/kg)*	*NE (mg/kg)*	*0.1 (mg/kg)*	*NE (mg/kg)*	*NE (mg/kg)*	*NE (mg/kg)*	*NE (mg/kg)*	*2000 (mg/kg)*	*2 (mg/kg)*	*250 (mg/kg)*	*19 (mg/kg)*	*0.1 (mg/kg)*
PEX-S1-14.5	URS 2010	6/8/2010	14.5	<2.46	4.31	42.0	<0.00768 a	<0.0615	<0.0615	<0.1845	<0.0307 b	<0.0307	<0.0615	--	--	--	--	13.4	0.332	5.32	<0.476	<0.003
PEX-N1-14.5	URS 2010	6/8/2010	14.5	<2.62	3.06	29.3	<0.00819 a	<0.0655	<0.0655	<0.1965	<0.0327 b	<0.0327	<0.0655	--	--	--	--	20.7	0.315	7.11		<0.003
PEX-E1-14.5	URS 2010	6/8/2010	14.5	<2.74	<1.11	5.28	<0.00863 a	<0.0690	<0.0690	<0.207	<0.0345 b	<0.0345	<0.0690	--	--	--	--	9.01	0.209	4.29		<0.003
PEX-W1-14.5	URS 2010	6/8/2010	14.5	<3.21	2.67	19.1	<0.0100 a	<0.0803	<0.0803	<0.2413	<0.0402 b	<0.0402	<0.0803	--	--	--	--	20.6	0.318	8.41	0.746	**0.225**
PEX-W2-14	URS 2010	6/10/2010	14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		<0.003
SS-1-20100806	URS 2010	6/8/2010	--	<2.40	1.18	5.68	<0.00749 a	<0.0599	<0.0599	<0.1799	<0.0300 b	<0.0300	<0.0599	--	--	--	--	17.9	0.577	8.11	<0.476	0.0048
SS-2-20100806	URS 2010	6/8/2010	--	<2.46	<1.15	4.85	<0.00769 a	<0.0615	<0.0615	<0.1845	<0.0308 b	<0.0308	<0.0615	--	--	--	--	17.6	0.481	5.68	<0.491	<0.003
SS-3-20100806	URS 2010	6/8/2010	--	<2.32	1.87	12.4	<0.00725 a	<0.0580	<0.0580	<0.1740	<0.0290 b	<0.0290	<0.0580	--	--	--	--	20.7	0.587	7.05	<0.496	<0.006

Notes/Abbreviations

TPHg = Total petroleum hydrocarbons as gasoline range organics analyzed by NWTPH-Gx; before June 2008, analyzed by Method WTPH-G; before June 1993, analyzed by Modified EPA Method 8015

TPHd = Total petroleum hydrocarbons as diesel range organices analyzed by NWTPH-Dx with Silica Gel Cleanup

TPHo = Total petroleum hydrocarbons as heavey oil range organices analyzed by NWTPH-Dx with Silica Gel Cleanup

BTEX = Benzene, toluene, ethylbenzene, xylenes analyzed by EPA Method 8260B; before June 2008, analyzed by EPA Method 8020

EDB = 1,2-Dibromoethane analyzed by EPA Method 8260B

EDC = 1,2-Dichloroethane analyzed by EPA Method 8260B

VOCs = Volatile organic compounds

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 chromium, and cadmium analyzed by EPA Method 6020

Hexavalent chromium analyzed by SM3500Cr-D

PAHs = polycyclic aromatic hydrocarbons analyzed by EPA Method 8270-SIM

cPAHs = carcinogenic PAHs. The value in the table is total toxicity equivalency concentration

mg/kg = milligrams per kilogram

NE = Not established

ND = Not detectable

<x = Not detectable above reporting limit x

-- = Not analyzed

Bolded concentrations indicate the concentration value exceeded the MTCA Method A cleanup levels

Shade indicates the soil sample has been excavated and removed from site.

* = Samples was additionally analyzed for one or more of the following: polychlorinated biphenyls (PCBs) by EPA Method 8082, full VOCs by EPA Method 8260B, RCRA-8 metals by EPA Method 6000/7000 series; all analytical results are below the laboratory reporting limits.

TABLE 1

SUMMARY OF SOIL ANALYTICAL RESULTS
FORMER JIFFY LUBE FACILITY
6317 NORTHEAST 4TH PLAIN BOULEVARD
VANCOUVER, WASHINGTON

				HYDROCARBONS			PRIMARY VOCS						OXYGENATES					TOTAL METALS			METALS	PAHS
Sample ID	Consultant	Sample Date	Sample Depth	TPHg	TPHd	TPHo	B	T	E	X	EDB	EDC	MTBE	TAME	TBA	DIPE	ETBE	Chromium/	Cadmium	Lead	Hexavalent Chromium	cPAHs
	MTCA Method A Cleanup Level			30/100	2000	2000	0.03	7	6	9	0.005	NE	0.1	NE	NE	NE	NE	2000	2	250	19	0.1
			ft	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)

1 = composite sample (Drywell 1 and Drywell 13)

2 = Borings BH-13 and BH-14 were angled borings completed 30 degrees from vertical. Samples were collected at 20 feet along the length of the borings, which corresponds to a vertical depth of 9.3 feet bgs.

3 = The soil sample from boring BH-15 was a 3-point composite collected at depths of 5, 7, and 11 feet bgs. The sample was collected for soil disposal acceptance.
The sample was analyzed for TCLP Lead, and was not detectable above laboratory reporting limit.

a = Method detection limit is used since reporting limit is above the MTCA Method A clenaup level

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

J = Estimated concentration

TABLE 2

SUMMARY OF GROUNDWATER MONITORING DATA
FORMER JIFFY LUBE FACILITY
6317 NORTHEAST 4TH PLAIN BOULEVARD
VANCOUVER, WASHINGTON

					HYDROCARBONS			*PRIMARY VOCs*						*OXYGENATE*	*LEAD*		Chromium	
Sample ID	*Date*	*TOC*	*DTW*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*EDB*	*EDC*	*MTBE*	*Total*	*Dissolved*	*Total Chromium*	*Hexavalent Chromium*
Model Toxics Control Act Method A Cleanup Levels					800/1000	500	500	5	1000	700	1000	0.01	5	20	15	NE	100	NE
					µg/L	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
MW-1	07/08/10	--	17.25	--	<100	<100	<100	<0.50	<1.0	<1.0	<1.0	<0.01	<0.50	<1.0	3.13	--	5.54	--
MW-1	10/26/10*	--	17.84	--	<80	<95.2	<47.6	<1.00	<1.00	<1.00	<3.00	<0.01	<1.00	<1.00	<1.00	<1.00	<2.00	<10.0
MW-1	03/14/11	--	14.63	--	<100	<96.2	<96.2	<1.00	<1.00	<1.00	<3.00	<0.005	<1.00	<1.00	<2.00	<2.00	<2.00	<10.0
MW-1	06/29/11	--	16.47	--	<100	<97.1	<243	<1.00	<1.00	<1.00	<3.00	<0.005	<1.00	<1.00	<2.00	<2.00	<2.00	<10.0
P-7	11/10/05	--			<40	<118	<147	<1.00	<1.00	<1.00	<2.00	<1.00	<1.00	<1.00	--	<1.00	<1.00	--
P-8	11/10/05	--			<40	<118	<147	<1.00	<1.00	<1.00	<2.00	<1.00	<1.00	<1.00	--	<1.00	<1.00	--
P-9	11/10/05	--			<40	<118	<147	<1.00	<1.00	<1.00	<2.00	<1.00	<1.00	<1.00	--	<1.00	<1.00	--
BH1	01/02/09	--	20	--	<100	317	**1,840**	<1.00	0.33 J	<0.5	<2.00	--	--		--	35	59.3	--
BH2	01/02/09	--	21	--	<100	<250	<250	<0.25	<1.00	<0.5	<1.5	<0.50	<0.50	<1.00	--	--	--	--
BH3	01/02/09	--	22	--	<100	<250	<250	<0.25	<1.00	<0.5	<1.5	<0.50	<0.50	<1.00	--	--	--	--
BH4	02/09/09	--	20	--	<80	<250	<500	--	--	--	--	--	--	--	--	--	--	--
BH5	02/09/09	--	20	--	<80	**657**	**2,670**	<0.25	2.37	1.53	3.63	<0.5	<0.50	<1.00	<1.00	0.0889	0.778	--
BH6	02/09/09	--	20	--	<80	<250	<500	<0.25	<1.00	<0.5	<1.5	<0.5	<0.50	<1.00	<1.00	<1.0	0.667	--
BH7	02/09/09	--	20	--	<80	<243	<485	--	--	--	--	--	--	--	--	--	--	--
BH-8	2/25/2010	--	17	--	<100	<100	<100	<0.5	<1.00	<1.00	<1.00	<1.00	<0.50	<1.00	--	<1.00	<1.00	--
BH-9	2/25/2010	--	17.5	--	<100	<100	<100	<0.5	<1.00	<1.00	<1.00	<1.00	<0.50	<1.00	--	<1.00	<1.00	--
BH-10	2/25/2010	--	16	--	<100	<100	<100	<0.5	<1.00	<1.00	<1.00	<1.00	<0.50	<1.00	--	<1.00	<1.00	--
BH-11	2/25/2010	--	17.5	--	<100	<100	<100	<0.5	<1.00	<1.00	<1.00	<1.00	<0.50	<1.00	--	<1.00	<1.00	--
BH-12	2/25/2010	--	16	--	<100	<100	<100	<0.5	<1.00	<1.00	<1.00	<1.00	<0.50	<1.00	--	<1.00	<1.00	--

Notes:

DTW = Depth to Water in feet below top of casing.

GWE = Groundwater Elevation in feet above mean sea level after 3/10/2010; before that, relatvie to arbitrary benchmarks.

GWE = Groundwater Elevation in feet relative to arbitrary benchmarks

TOC = Top of Casing in feet above mean sea level after 3/10/2010; before that, relative to arbitrary benchmarks (ground surface).

MTCA = Model Toxics Control Act

VOCs = Volatile Organic Compounds

Depth to water from top of well casing.

NE = Not established

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

TPHd = Total petroleum hydrocarbons as diesel, analyzed by NWTPH-Dx with Silica Gel Cleanup or WTPH-D unless otherwise noted

TPHo = Total petroleum hydrocarbons as oil, analyzed by NWTPH-Dx with Silica Gel Cleanup or WTPH-D unless otherwise noted

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

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

--- = Not analyzed

MTCA = Model Toxics Control Act

Concentrations in bold type indicate the analyte was detected above MTCA Method A cleanup levels

* = Indicates the groundwater samples were additionally analyzed for RCRA 8 Metals by EPA Method 6020/7470A, VOCs per EPA Method 8260B, carcinogenic polycyclic aromatic hydrocarbons (cPAHs) analyzed by EPA Method 8270C-SIM; all of the concentrations of these analytes were reported at below the laboratory reporting limits

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APPENDIX A

TERRESTRIAL ECOLOGICAL EVALUATION EXCLUSION FORM

Voluntary Cleanup Program

Washington State Department of Ecology
Toxics Cleanup Program

TERRESTRIAL ECOLOGICAL EVALUATION EXCLUSION FORM

Under the Model Toxics Control Act (MTCA), a Terrestrial Ecological Evaluation (TEE) is not required if the Site meets the criteria in WAC 173-340-7491 for an exclusion. If you determine that your Site does not require a TEE, please complete this form and submit it to the Department of Ecology (Ecology) at the appropriate time, either with your VCP Application or with a subsequent request for a written opinion. Please note that exclusion from the TEE does not exclude the Site from an evaluation of aquatic or sediment ecological receptors.

If your Site does not meet the criteria for exclusion under WAC 173-340-7491, then you may have to conduct a simplified TEE in accordance with WAC 173-340-7492 or a site-specific TEE in accordance with WAC 173-340-7493. If you have questions about conducting a simplified or site-specific TEE, please contact the Ecology site manager assigned to your Site or the appropriate Ecology regional office.

Step 1: IDENTIFY HAZARDOUS WASTE SITE AND EVALUATOR

Please identify below the hazardous waste site for which you are documenting an exclusion from conducting a TEE and the name of the person who conducted the evaluation.

Facility/Site Name: Former Jiffy Lube Facility	
Facility/Site Address: 6317 NE Fourth Plain Boulevard, Vancouver, WA	
Facility/Site No: 62389552	VCP Project No.: SW1069
Name of Evaluator: Brian Richardson	

Step 2: DOCUMENT BASIS FOR EXCLUSION

The bases for excluding a site from a terrestrial ecological evaluation are set forth in WAC 173-340-7491(1). Please identify below the basis for excluding your Site from further evaluation. Please check all that apply.

POINT OF COMPLIANCE – WAC 173-340-7491(1)(A)

1-☐ No contamination present at site.

2-☐ All contamination is 15 feet below ground level prior to remedial activities.

3-☐ All contamination is six feet below ground level and an institutional control has been implemented as required by WAC 173-340-440.

4-☐ All contamination is below a site-specific point of compliance established in compliance with WAC 173-340-7490(4)(b) with an institutional control implemented as required by WAC 173-340-440. ***Please provide documentation that describes the rationale for setting a site-specific point of compliance.***

BARRIERS TO EXPOSURE – WAC 173-340-7491(1)(b)

5-☐ All contaminated soil, is or will be, covered by physical barriers (such as buildings or paved roads) that prevent exposure to plants and wildlife and an institutional control has been implemented as required by WAC 173-340-440. *An exclusion based on future land use must have a completion date for future development that is acceptable to Ecology.*

Step 2: DOCUMENT BASIS FOR EXCLUSION continued

UNDEVELOPED LAND – WAC 173-340-7491(1)(c)

"Undeveloped land" is land that is not covered by building, roads, paved areas, or other barriers that would prevent wildlife from feeding on plants, earthworms, insects, or other food in or on the soil.

"Contiguous" undeveloped land is an area of undeveloped land that is not divided into smaller areas of highways, extensive paving, or similar structures that are likely to reduce the potential use of the overall area by wildlife.

6-☐ There is less than one-quarter acre of contiguous undeveloped land on or within 500 feet of any area of the Site and any of the following chemicals is present: chlorinated dioxins or furans, PCB mixtures, DDT, DDE, DDD, aldrin, chlordane, dieldrin, endosulfan, endrin, heptachlor, heptachlor epoxide, benzene hexachloride, toxaphene, hexachlorobenzene, pentachlorophenol, or pentachlorobenzene.

7-☒ For sites not containing any of the chemicals mentioned above, there is less than one-and-a-half acres of contiguous undeveloped land on or within 500 feet of any area of the Site.

BACKGROUND CONCENTRATIONS – WAC 173-340-7491(1)(d)

8-☐ Concentrations of hazardous substances in soil do not exceed natural background levels as described in WAC 173-340-200 and 173-340-709.

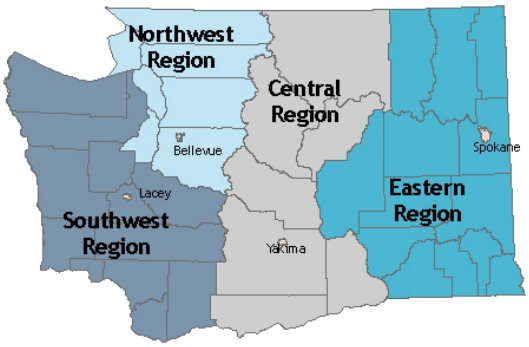
Step 3: PROVIDE EXPLANATION FOR EXCLUSION (IF NECESSARY)

None of the chemicals listed in point 6 (above) are present at the Site.

Attach additional pages if necessary.

Step 4: SUBMITTAL

Please mail your completed form to Ecology at the appropriate time, either with your VCP Application or with a subsequent request for a written opinion. If you complete the form after you enter the VCP, please mail your completed form to the Ecology site manager assigned to your Site. If a site manager has not yet been assigned, please mail your completed form to the Ecology regional office for the County in which your Site is located.



Northwest Region: Attn: Sara Maser 3190 160th Ave. SE Bellevue, WA 98008-5452	**Central Region:** Attn: Mark Dunbar 15 W. Yakima Ave., Suite 200 Yakima, WA 98902
Southwest Region: Attn: Scott Rose P.O. Box 47775 Olympia, WA 98504-7775	**Eastern Region:** Patti Carter N. 4601 Monroe Spokane WA 99205-1295

If you need this publication in an alternate format, please call the Toxics Cleanup Program at 360-407-7170. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call 877-833-6341.

TEE Attachment: Aerial photograph with 500-foot radius overlay of 6317 NE Fourth Plain Boulevard, Vancouver, WA.

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: NUC2276
Client Project/Site: SAP 174665
Client Project Description:
6317 NE 4th Plain Blvd, Vancouver, WA

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

Attn: Brian Richardson

Authorized for release by:
03/29/2011 05:32:24 PM

Ryan Fitzwater
Project Manager
Ryan.Fitzwater@testamericainc.com

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Sample Summary

Client: Conestoga-Rovers & Asso. (Everett)/ Shell
Project/Site: SAP 174665

TestAmerica Job ID: NUC2276

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
NUC2276-01	GW-060616-MW-1	Ground Water	03/14/11 10:50	03/15/11 08:30

Qualifier Definition/Glossary

Client: Conestoga-Rovers & Asso. (Everett)/ Shell
Project/Site: SAP 174665

TestAmerica Job ID: NUC2276

Qualifiers

GCMS Volatiles

Qualifier	Qualifier Description
L	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
L1	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above acceptance limits.
M7	The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).

GCMS Semivolatiles

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

GC Semivolatiles

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

Pesticides

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

Metals

Qualifier	Qualifier Description
M4	The MS/MSD required a dilution due to matrix interference. Because of this dilution, the matrix spike concentrations in the sample were reduced to a level where the recovery calculation does not provide useful information. See Blank Spike (LCS).
P7	Sample filtered in lab.

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-060616-MW-1
Lab Sample ID: NUC2276-01
Date Collected: 03/14/11 10:50
Matrix: Ground Water
Date Received: 03/15/11 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
Acetone	ND		50.0		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
Benzene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
Bromobenzene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
Bromochloromethane	ND		1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
Bromodichloromethane	ND		1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
Bromoform	ND		1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
Bromomethane	ND		1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
2-Butanone	ND		50.0		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
sec-Butylbenzene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
n-Butylbenzene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
tert-Butylbenzene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
Carbon disulfide	ND		1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
Carbon Tetrachloride	ND		1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
Chlorobenzene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
Chlorodibromomethane	ND		1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
Chloroethane	ND		1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
Chloroform	ND		1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
Chloromethane	ND		1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
2-Chlorotoluene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
4-Chlorotoluene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
1,2-Dibromo-3-chloropropane	ND		5.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
1,2-Dibromoethane (EDB)	ND		1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
Dibromomethane	ND		1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
1,4-Dichlorobenzene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
1,3-Dichlorobenzene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
1,2-Dichlorobenzene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
Dichlorodifluoromethane	ND		1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
1,1-Dichloroethane	ND		1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
1,2-Dichloroethane	ND		1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
cis-1,2-Dichloroethene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
1,1-Dichloroethene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
trans-1,2-Dichloroethene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
1,3-Dichloropropane	ND		1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
1,2-Dichloropropane	ND		1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
2,2-Dichloropropane	ND		1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
cis-1,3-Dichloropropene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
trans-1,3-Dichloropropene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
1,1-Dichloropropene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
Ethylbenzene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
Hexachlorobutadiene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
2-Hexanone	ND		50.0		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
Isopropylbenzene	ND	L	1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
p-Isopropyltoluene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
Methyl tert-Butyl Ether	ND		1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
Methylene Chloride	ND		5.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
4-Methyl-2-pentanone	ND		10.0		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
Naphthalene	ND		5.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
n-Propylbenzene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
Styrene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00

Client Sample ID: GW-060616-MW-1
Date Collected: 03/14/11 10:50
Date Received: 03/15/11 08:30
Sampler Name: S. Lane

Lab Sample ID: NUC2276-01
Matrix: Ground Water
Sampler Phone Number: (425) 563-6511

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
Tetrachloroethene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
Toluene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
1,2,3-Trichlorobenzene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
1,2,4-Trichlorobenzene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
1,1,2-Trichloroethane	ND		1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
1,1,1-Trichloroethane	ND		1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
Trichloroethene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
Trichlorofluoromethane	ND		1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
1,2,3-Trichloropropane	ND		1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
1,3,5-Trimethylbenzene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
1,2,4-Trimethylbenzene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
Vinyl chloride	ND		1.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00
Xylenes, total	ND		3.00		ug/L		03/18/11 01:28	03/18/11 11:23	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*88*		*63 - 140*	*03/18/11 01:28*	*03/18/11 11:23*	*1.00*
Dibromofluoromethane	*94*		*73 - 131*	*03/18/11 01:28*	*03/18/11 11:23*	*1.00*
Toluene-d8	*105*		*80 - 120*	*03/18/11 01:28*	*03/18/11 11:23*	*1.00*
4-Bromofluorobenzene	*98*		*79 - 125*	*03/18/11 01:28*	*03/18/11 11:23*	*1.00*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo (a) anthracene	ND		0.0980		ug/L		03/18/11 08:00	03/18/11 12:56	1.00
Benzo (a) pyrene	ND		0.0980		ug/L		03/18/11 08:00	03/18/11 12:56	1.00
Benzo (b) fluoranthene	ND		0.0980		ug/L		03/18/11 08:00	03/18/11 12:56	1.00
Benzo (k) fluoranthene	ND		0.0980		ug/L		03/18/11 08:00	03/18/11 12:56	1.00
Chrysene	ND		0.0980		ug/L		03/18/11 08:00	03/18/11 12:56	1.00
Dibenz (a,h) anthracene	ND		0.0980		ug/L		03/18/11 08:00	03/18/11 12:56	1.00
Indeno (1,2,3-cd) pyrene	ND		0.0980		ug/L		03/18/11 08:00	03/18/11 12:56	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*80*		*27 - 120*	*03/18/11 08:00*	*03/18/11 12:56*	*1.00*
2-Fluorobiphenyl	*72*		*29 - 120*	*03/18/11 08:00*	*03/18/11 12:56*	*1.00*
Terphenyl-d14	*84*		*13 - 120*	*03/18/11 08:00*	*03/18/11 12:56*	*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		03/14/11 10:50	03/24/11 20:01	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*113*		*50 - 150*	*03/14/11 10:50*	*03/24/11 20:01*	*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		03/17/11 13:20	03/19/11 10:31	1.00
Motor Oil	ND		96.2		ug/L		03/17/11 13:20	03/19/11 10:31	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*81*		*50 - 150*	*03/17/11 13:20*	*03/19/11 10:31*	*1.00*

Client Sample ID: GW-060616-MW-1
Lab Sample ID: NUC2276-01
Date Collected: 03/14/11 10:50
Matrix: Ground Water
Date Received: 03/15/11 08:30
Sampler Name: S. Lane
Sampler Phone Number: (425) 563-6511

Method: SW846 8011 - EDB by EPA Method 8011

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		0.02006	0.005014	ug/L		03/17/11 09:48	03/17/11 15:36	1.000

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,3-Dichlorobenzene	*91*		*47 - 150*	*03/17/11 09:48*	*03/17/11 15:36*	*1.000*

Method: SW846 6020 - Dissolved Metals by Method 6020 - dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND	P7	2.00		ug/L		03/18/11 06:00	03/18/11 11:57	1.00
Barium	**4.74**	**P7**	2.00		ug/L		03/18/11 06:00	03/21/11 14:11	1.00
Cadmium	ND	P7	1.00		ug/L		03/18/11 06:00	03/18/11 11:57	1.00
Chromium	ND	P7	2.00		ug/L		03/18/11 06:00	03/18/11 11:57	1.00
Lead	ND	P7	2.00		ug/L		03/18/11 06:00	03/18/11 11:57	1.00
Selenium	ND	P7	2.00		ug/L		03/18/11 06:00	03/18/11 11:57	1.00
Silver	ND	P7	2.00		ug/L		03/18/11 06:00	03/18/11 11:57	1.00

Method: SW846 6020 - Total Metals by Method 6020

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.00		ug/L		03/21/11 06:16	03/23/11 19:44	1.00
Barium	**5.22**		2.00		ug/L		03/21/11 06:16	03/23/11 19:44	1.00
Cadmium	ND		1.00		ug/L		03/21/11 06:16	03/23/11 19:44	1.00
Chromium	ND		2.00		ug/L		03/21/11 06:16	03/23/11 19:44	1.00
Lead	ND		2.00		ug/L		03/21/11 06:16	03/23/11 19:44	1.00
Selenium	ND		2.00		ug/L		03/21/11 06:16	03/23/11 19:44	1.00
Silver	ND		2.00		ug/L		03/21/11 06:16	03/23/11 19:44	1.00

Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A - dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	P7	0.000200		mg/L		03/18/11 08:00	03/18/11 13:07	1.00

Method: SW846 7470A - Mercury by EPA Methods 7470A/7471A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200		mg/L		03/18/11 07:40	03/18/11 14:12	1.00

Method: SM3500-Cr B/D - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium (VI)	ND		10.0		ug/L		03/15/11 11:31	03/15/11 11:31	1.00

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

Lab Sample ID: 11C4722-BLK1
Matrix: Water
Analysis Batch: U004469

Client Sample ID: 11C4722-BLK1
Prep Type: total
Prep Batch: 11C4722_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50.0		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
Benzene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
Bromobenzene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
Bromochloromethane	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
Bromodichloromethane	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
Bromoform	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
Bromomethane	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
2-Butanone	ND		50.0		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
sec-Butylbenzene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
n-Butylbenzene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
tert-Butylbenzene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
Carbon disulfide	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
Carbon Tetrachloride	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
Chlorobenzene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
Chlorodibromomethane	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
Chloroethane	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
Chloroform	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
Chloromethane	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
2-Chlorotoluene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
4-Chlorotoluene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
1,2-Dibromo-3-chloropropane	ND		5.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
1,2-Dibromoethane (EDB)	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
Dibromomethane	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
1,4-Dichlorobenzene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
1,3-Dichlorobenzene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
1,2-Dichlorobenzene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
Dichlorodifluoromethane	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
1,1-Dichloroethane	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
1,2-Dichloroethane	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
cis-1,2-Dichloroethene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
1,1-Dichloroethene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
trans-1,2-Dichloroethene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
1,3-Dichloropropane	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
1,2-Dichloropropane	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
2,2-Dichloropropane	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
cis-1,3-Dichloropropene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
trans-1,3-Dichloropropene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
1,1-Dichloropropene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
Ethylbenzene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
Hexachlorobutadiene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
2-Hexanone	ND		50.0		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
Isopropylbenzene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
p-Isopropyltoluene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
Methyl tert-Butyl Ether	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
Methylene Chloride	ND		5.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
4-Methyl-2-pentanone	ND		10.0		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
Naphthalene	ND		5.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
n-Propylbenzene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
Styrene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00

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

Lab Sample ID: 11C4722-BLK1
Matrix: Water
Analysis Batch: U004469

Client Sample ID: 11C4722-BLK1
Prep Type: total
Prep Batch: 11C4722_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
Tetrachloroethene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
Toluene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
1,2,3-Trichlorobenzene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
1,2,4-Trichlorobenzene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
1,1,2-Trichloroethane	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
1,1,1-Trichloroethane	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
Trichloroethene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
Trichlorofluoromethane	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
1,2,3-Trichloropropane	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
1,3,5-Trimethylbenzene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
1,2,4-Trimethylbenzene	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
Vinyl chloride	ND		1.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00
Xylenes, total	ND		3.00		ug/L		03/18/11 01:28	03/18/11 04:15	1.00

Surrogate	*Blank % Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*87*		*63 - 140*	*03/18/11 01:28*	*03/18/11 04:15*	*1.00*
Dibromofluoromethane	*94*		*73 - 131*	*03/18/11 01:28*	*03/18/11 04:15*	*1.00*
Toluene-d8	*106*		*80 - 120*	*03/18/11 01:28*	*03/18/11 04:15*	*1.00*
4-Bromofluorobenzene	*98*		*79 - 125*	*03/18/11 01:28*	*03/18/11 04:15*	*1.00*

Lab Sample ID: 11C4722-BS1
Matrix: Water
Analysis Batch: U004469

Client Sample ID: 11C4722-BS1
Prep Type: total
Prep Batch: 11C4722_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	250	278		ug/L		111	56 - 150
Benzene	50.0	52.3		ug/L		105	80 - 121
Bromobenzene	50.0	51.4		ug/L		103	72 - 130
Bromochloromethane	50.0	43.6		ug/L		87	73 - 137
Bromodichloromethane	50.0	51.9		ug/L		104	75 - 131
Bromoform	50.0	45.8		ug/L		92	65 - 140
Bromomethane	50.0	49.0		ug/L		98	50 - 150
2-Butanone	250	262		ug/L		105	70 - 144
sec-Butylbenzene	50.0	56.9		ug/L		114	72 - 140
n-Butylbenzene	50.0	56.7		ug/L		113	68 - 140
tert-Butylbenzene	50.0	55.3		ug/L		111	76 - 135
Carbon disulfide	50.0	42.3		ug/L		85	74 - 137
Carbon Tetrachloride	50.0	49.5		ug/L		99	71 - 137
Chlorobenzene	50.0	52.7		ug/L		105	80 - 121
Chlorodibromomethane	50.0	51.4		ug/L		103	68 - 137
Chloroethane	50.0	42.1		ug/L		84	50 - 146
Chloroform	50.0	49.5		ug/L		99	73 - 131
Chloromethane	50.0	36.1		ug/L		72	30 - 132
2-Chlorotoluene	50.0	52.9		ug/L		106	74 - 135
4-Chlorotoluene	50.0	54.8		ug/L		110	74 - 132
1,2-Dibromo-3-chloropropane	50.0	48.4		ug/L		97	56 - 145
1,2-Dibromoethane (EDB)	50.0	53.1		ug/L		106	80 - 135

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

Lab Sample ID: 11C4722-BS1
Matrix: Water
Analysis Batch: U004469

Client Sample ID: 11C4722-BS1
Prep Type: total
Prep Batch: 11C4722_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Dibromomethane	50.0	47.0		ug/L		94	78 - 133
1,4-Dichlorobenzene	50.0	53.8		ug/L		108	80 - 120
1,3-Dichlorobenzene	50.0	54.0		ug/L		108	80 - 128
1,2-Dichlorobenzene	50.0	54.2		ug/L		108	80 - 125
Dichlorodifluoromethane	50.0	33.6		ug/L		67	30 - 132
1,1-Dichloroethane	50.0	47.7		ug/L		95	75 - 125
1,2-Dichloroethane	50.0	42.9		ug/L		86	70 - 134
cis-1,2-Dichloroethene	50.0	46.9		ug/L		94	71 - 132
1,1-Dichloroethene	50.0	40.2		ug/L		80	73 - 125
trans-1,2-Dichloroethene	50.0	49.3		ug/L		99	77 - 125
1,3-Dichloropropane	50.0	52.0		ug/L		104	76 - 125
1,2-Dichloropropane	50.0	47.3		ug/L		95	72 - 120
2,2-Dichloropropane	50.0	41.7		ug/L		83	50 - 150
cis-1,3-Dichloropropene	50.0	56.5		ug/L		113	70 - 140
trans-1,3-Dichloropropene	50.0	51.8		ug/L		104	62 - 139
1,1-Dichloropropene	50.0	49.4		ug/L		99	78 - 126
Ethylbenzene	50.0	54.2		ug/L		108	78 - 133
Hexachlorobutadiene	50.0	45.1		ug/L		90	70 - 150
2-Hexanone	250	264		ug/L		105	60 - 150
Isopropylbenzene	50.0	60.3	L1	ug/L		121	69 - 120
p-Isopropyltoluene	50.0	55.1		ug/L		110	72 - 134
Methyl tert-Butyl Ether	50.0	46.6		ug/L		93	76 - 120
Methylene Chloride	50.0	43.8		ug/L		88	80 - 133
4-Methyl-2-pentanone	250	246		ug/L		98	62 - 146
Naphthalene	50.0	53.2		ug/L		106	71 - 139
n-Propylbenzene	50.0	55.0		ug/L		110	70 - 143
Styrene	50.0	56.2		ug/L		112	80 - 136
1,1,1,2-Tetrachloroethane	50.0	56.0		ug/L		112	80 - 130
1,1,2,2-Tetrachloroethane	50.0	51.4		ug/L		103	73 - 131
Tetrachloroethene	50.0	50.5		ug/L		101	77 - 131
Toluene	50.0	54.9		ug/L		110	78 - 125
1,2,3-Trichlorobenzene	50.0	52.3		ug/L		105	71 - 138
1,2,4-Trichlorobenzene	50.0	54.0		ug/L		108	74 - 136
1,1,2-Trichloroethane	50.0	53.2		ug/L		106	80 - 123
1,1,1-Trichloroethane	50.0	48.0		ug/L		96	75 - 137
Trichloroethene	50.0	51.2		ug/L		102	74 - 139
Trichlorofluoromethane	50.0	39.6		ug/L		79	60 - 133
1,2,3-Trichloropropane	50.0	50.5		ug/L		101	64 - 127
1,3,5-Trimethylbenzene	50.0	55.1		ug/L		110	75 - 134
1,2,4-Trimethylbenzene	50.0	54.7		ug/L		109	77 - 134
Vinyl chloride	50.0	44.3		ug/L		89	60 - 122
Xylenes, total	150	162		ug/L		108	78 - 134

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4	*86*		*63 - 140*
Dibromofluoromethane	*99*		*73 - 131*
Toluene-d8	*106*		*80 - 120*
4-Bromofluorobenzene	*96*		*79 - 125*

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

Lab Sample ID: 11C4722-BSD1
Matrix: Water
Analysis Batch: U004469

Client Sample ID: 11C4722-BSD1
Prep Type: total
Prep Batch: 11C4722_P

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acetone	250	264		ug/L		106	56 - 150	5	31
Benzene	50.0	51.5		ug/L		103	80 - 121	1	12
Bromobenzene	50.0	50.5		ug/L		101	72 - 130	2	23
Bromochloromethane	50.0	42.3		ug/L		85	73 - 137	3	32
Bromodichloromethane	50.0	51.4		ug/L		103	75 - 131	1	13
Bromoform	50.0	46.3		ug/L		93	65 - 140	1	18
Bromomethane	50.0	48.3		ug/L		97	50 - 150	1	50
2-Butanone	250	257		ug/L		103	70 - 144	2	37
sec-Butylbenzene	50.0	56.4		ug/L		113	72 - 140	1	21
n-Butylbenzene	50.0	56.2		ug/L		112	68 - 140	1	11
tert-Butylbenzene	50.0	54.6		ug/L		109	76 - 135	1	20
Carbon disulfide	50.0	42.0		ug/L		84	74 - 137	0.8	28
Carbon Tetrachloride	50.0	48.9		ug/L		98	71 - 137	1	26
Chlorobenzene	50.0	52.6		ug/L		105	80 - 121	0.3	11
Chlorodibromomethane	50.0	50.6		ug/L		101	68 - 137	1	16
Chloroethane	50.0	40.7		ug/L		81	50 - 146	4	35
Chloroform	50.0	48.6		ug/L		97	73 - 131	2	32
Chloromethane	50.0	34.4		ug/L		69	30 - 132	5	34
2-Chlorotoluene	50.0	52.0		ug/L		104	74 - 135	2	22
4-Chlorotoluene	50.0	54.0		ug/L		108	74 - 132	2	22
1,2-Dibromo-3-chloropropane	50.0	47.9		ug/L		96	56 - 145	1	21
1,2-Dibromoethane (EDB)	50.0	53.3		ug/L		107	80 - 135	0.2	10
Dibromomethane	50.0	47.0		ug/L		94	78 - 133	0.04	11
1,4-Dichlorobenzene	50.0	53.0		ug/L		106	80 - 120	1	10
1,3-Dichlorobenzene	50.0	53.3		ug/L		107	80 - 128	1	18
1,2-Dichlorobenzene	50.0	53.4		ug/L		107	80 - 125	1	11
Dichlorodifluoromethane	50.0	32.8		ug/L		66	30 - 132	2	32
1,1-Dichloroethane	50.0	47.2		ug/L		94	75 - 125	1	34
1,2-Dichloroethane	50.0	42.2		ug/L		84	70 - 134	2	25
cis-1,2-Dichloroethene	50.0	46.2		ug/L		92	71 - 132	1	32
1,1-Dichloroethene	50.0	40.1		ug/L		80	73 - 125	0.2	31
trans-1,2-Dichloroethene	50.0	48.6		ug/L		97	77 - 125	2	32
1,3-Dichloropropane	50.0	51.6		ug/L		103	76 - 125	0.7	20
1,2-Dichloropropane	50.0	46.7		ug/L		93	72 - 120	1	11
2,2-Dichloropropane	50.0	40.6		ug/L		81	50 - 150	3	11
cis-1,3-Dichloropropene	50.0	56.1		ug/L		112	70 - 140	0.7	35
trans-1,3-Dichloropropene	50.0	51.4		ug/L		103	62 - 139	0.9	26
1,1-Dichloropropene	50.0	48.6		ug/L		97	78 - 126	2	18
Ethylbenzene	50.0	54.2		ug/L		108	78 - 133	0.04	12
Hexachlorobutadiene	50.0	45.3		ug/L		91	70 - 150	0.4	21
2-Hexanone	250	258		ug/L		103	60 - 150	2	20
Isopropylbenzene	50.0	60.1		ug/L		120	69 - 120	0.3	15
p-Isopropyltoluene	50.0	54.2		ug/L		108	72 - 134	2	18
Methyl tert-Butyl Ether	50.0	46.5		ug/L		93	76 - 120	0.2	32
Methylene Chloride	50.0	43.6		ug/L		87	80 - 133	0.5	36
4-Methyl-2-pentanone	250	247		ug/L		99	62 - 146	0.4	35
Naphthalene	50.0	53.4		ug/L		107	71 - 139	0.4	30
n-Propylbenzene	50.0	54.3		ug/L		109	70 - 143	1	23
Styrene	50.0	55.9		ug/L		112	80 - 136	0.4	29

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

Lab Sample ID: 11C4722-BSD1
Matrix: Water
Analysis Batch: U004469

Client Sample ID: 11C4722-BSD1
Prep Type: total
Prep Batch: 11C4722_P

Analyte			Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane			50.0	56.1		ug/L		112	80 - 130	0.07	11
1,1,2,2-Tetrachloroethane			50.0	52.0		ug/L		104	73 - 131	1	28
Tetrachloroethene			50.0	50.4		ug/L		101	77 - 131	0.1	16
Toluene			50.0	54.6		ug/L		109	78 - 125	0.4	35
1,2,3-Trichlorobenzene			50.0	52.4		ug/L		105	71 - 138	0.1	28
1,2,4-Trichlorobenzene			50.0	53.7		ug/L		107	74 - 136	0.4	23
1,1,2-Trichloroethane			50.0	52.6		ug/L		105	80 - 123	1	21
1,1,1-Trichloroethane			50.0	47.2		ug/L		94	75 - 137	2	29
Trichloroethene			50.0	49.8		ug/L		100	74 - 139	3	11
Trichlorofluoromethane			50.0	38.4		ug/L		77	60 - 133	3	33
1,2,3-Trichloropropane			50.0	49.3		ug/L		99	64 - 127	2	25
1,3,5-Trimethylbenzene			50.0	54.3		ug/L		109	75 - 134	1	21
1,2,4-Trimethylbenzene			50.0	54.2		ug/L		108	77 - 134	0.9	20
Vinyl chloride			50.0	43.1		ug/L		86	60 - 122	3	32
Xylenes, total			150	161		ug/L		107	78 - 134	0.4	18

Surrogate	*LCS Dup % Recovery*	*LCS Dup Qualifier*	*Limits*
1,2-Dichloroethane-d4	*85*		*63 - 140*
Dibromofluoromethane	*98*		*73 - 131*
Toluene-d8	*106*		*80 - 120*
4-Bromofluorobenzene	*95*		*79 - 125*

Lab Sample ID: 11C4722-MS1
Matrix: Water
Analysis Batch: U004469

Client Sample ID: NUC2253-01RE1
Prep Type: total
Prep Batch: 11C4722_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	ND		2500	2530		ug/L		101	56 - 150
Benzene	529		500	1050		ug/L		105	65 - 151
Bromobenzene	ND		500	523		ug/L		105	69 - 142
Bromochloromethane	ND		500	483		ug/L		97	64 - 154
Bromodichloromethane	ND		500	569		ug/L		114	75 - 138
Bromoform	ND		500	516		ug/L		103	55 - 153
Bromomethane	ND		500	492		ug/L		98	13 - 176
2-Butanone	ND		2500	2650		ug/L		106	45 - 164
sec-Butylbenzene	17.3		500	590		ug/L		115	68 - 159
n-Butylbenzene	48.3		500	663		ug/L		123	67 - 151
tert-Butylbenzene	5.50		500	554		ug/L		110	73 - 153
Carbon disulfide	ND		500	478		ug/L		96	33 - 187
Carbon Tetrachloride	ND		500	532		ug/L		106	64 - 157
Chlorobenzene	ND		500	551		ug/L		110	78 - 136
Chlorodibromomethane	ND		500	548		ug/L		110	64 - 145
Chloroethane	ND		500	418		ug/L		84	48 - 159
Chloroform	ND		500	529		ug/L		106	72 - 145
Chloromethane	ND		500	394		ug/L		79	10 - 194
2-Chlorotoluene	ND		500	535		ug/L		107	66 - 155
4-Chlorotoluene	ND		500	550		ug/L		110	69 - 149
1,2-Dibromo-3-chloropropane	ND		500	568		ug/L		114	49 - 162
1,2-Dibromoethane (EDB)	ND		500	583		ug/L		117	70 - 152

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

Lab Sample ID: 11C4722-MS1
Matrix: Water
Analysis Batch: U004469

Client Sample ID: NUC2253-01RE1
Prep Type: total
Prep Batch: 11C4722_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits
Dibromomethane	ND		500	502		ug/L		100	75 - 141
1,4-Dichlorobenzene	ND		500	548		ug/L		110	75 - 135
1,3-Dichlorobenzene	ND		500	550		ug/L		110	72 - 146
1,2-Dichlorobenzene	ND		500	563		ug/L		113	80 - 136
Dichlorodifluoromethane	ND		500	374		ug/L		75	23 - 159
1,1-Dichloroethane	ND		500	496		ug/L		99	64 - 154
1,2-Dichloroethane	ND		500	458		ug/L		92	72 - 137
cis-1,2-Dichloroethene	ND		500	498		ug/L		100	57 - 154
1,1-Dichloroethene	ND		500	505		ug/L		101	34 - 151
trans-1,2-Dichloroethene	ND		500	486		ug/L		97	57 - 157
1,3-Dichloropropane	ND		500	563		ug/L		113	71 - 137
1,2-Dichloropropane	ND		500	504		ug/L		101	71 - 139
2,2-Dichloropropane	ND		500	488		ug/L		98	10 - 198
cis-1,3-Dichloropropene	ND		500	600		ug/L		120	56 - 156
trans-1,3-Dichloropropene	ND		500	562		ug/L		112	47 - 157
1,1-Dichloropropene	ND		500	537		ug/L		107	70 - 155
Ethylbenzene	12.6		500	579		ug/L		113	68 - 157
Hexachlorobutadiene	ND		500	538		ug/L		108	47 - 173
2-Hexanone	ND		2500	2880		ug/L		115	57 - 154
Isopropylbenzene	36.5		500	672		ug/L		127	69 - 139
p-Isopropyltoluene	6.80		500	561		ug/L		111	69 - 151
Methyl tert-Butyl Ether	ND		500	470		ug/L		94	56 - 152
Methylene Chloride	ND		500	479		ug/L		96	71 - 136
4-Methyl-2-pentanone	ND		2500	2730		ug/L		109	62 - 159
Naphthalene	7.10		500	640		ug/L		127	56 - 161
n-Propylbenzene	87.3		500	631		ug/L		109	61 - 167
Styrene	ND		500	597		ug/L		119	69 - 150
1,1,1,2-Tetrachloroethane	ND		500	592		ug/L		118	80 - 140
1,1,2,2-Tetrachloroethane	ND		500	611		ug/L		122	76 - 141
Tetrachloroethene	ND		500	515		ug/L		103	63 - 155
Toluene	5.80		500	562		ug/L		111	61 - 153
1,2,3-Trichlorobenzene	ND		500	586		ug/L		117	57 - 155
1,2,4-Trichlorobenzene	ND		500	604		ug/L		121	64 - 147
1,1,2-Trichloroethane	ND		500	713	M7	ug/L		143	74 - 138
1,1,1-Trichloroethane	ND		500	511		ug/L		102	78 - 153
Trichloroethene	ND		500	534		ug/L		107	74 - 139
Trichlorofluoromethane	ND		500	453		ug/L		91	53 - 149
1,2,3-Trichloropropane	ND		500	549		ug/L		110	49 - 148
1,3,5-Trimethylbenzene	6.20		500	552		ug/L		109	67 - 151
1,2,4-Trimethylbenzene	4.40		500	548		ug/L		109	69 - 150
Vinyl chloride	ND		500	453		ug/L		91	53 - 137
Xylenes, total	14.8		1500	1710		ug/L		113	68 - 158

Surrogate	*Matrix Spike % Recovery*	*Matrix Spike Qualifier*	*Limits*
1,2-Dichloroethane-d4	*85*		*63 - 140*
Dibromofluoromethane	*99*		*73 - 131*
Toluene-d8	*105*		*80 - 120*
4-Bromofluorobenzene	*95*		*79 - 125*

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

Lab Sample ID: 11C4722-MSD1
Matrix: Water
Analysis Batch: U004469

Client Sample ID: NUC2253-01RE1
Prep Type: total
Prep Batch: 11C4722_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acetone	ND		2500	2530		ug/L		101	56 - 150	0.1	31
Benzene	529		500	1020		ug/L		99	65 - 151	3	12
Bromobenzene	ND		500	529		ug/L		106	69 - 142	1	23
Bromochloromethane	ND		500	487		ug/L		97	64 - 154	0.7	32
Bromodichloromethane	ND		500	563		ug/L		113	75 - 138	1	13
Bromoform	ND		500	490		ug/L		98	55 - 153	5	18
Bromomethane	ND		500	481		ug/L		96	13 - 176	2	50
2-Butanone	ND		2500	2780		ug/L		111	45 - 164	5	37
sec-Butylbenzene	17.3		500	579		ug/L		112	68 - 159	2	21
n-Butylbenzene	48.3		500	645		ug/L		119	67 - 151	3	11
tert-Butylbenzene	5.50		500	544		ug/L		108	73 - 153	2	20
Carbon disulfide	ND		500	464		ug/L		93	33 - 187	3	28
Carbon Tetrachloride	ND		500	507		ug/L		101	64 - 157	5	26
Chlorobenzene	ND		500	537		ug/L		107	78 - 136	2	11
Chlorodibromomethane	ND		500	532		ug/L		106	64 - 145	3	16
Chloroethane	ND		500	403		ug/L		81	48 - 159	4	35
Chloroform	ND		500	514		ug/L		103	72 - 145	3	32
Chloromethane	ND		500	374		ug/L		75	10 - 194	5	34
2-Chlorotoluene	ND		500	533		ug/L		107	66 - 155	0.4	22
4-Chlorotoluene	ND		500	548		ug/L		110	69 - 149	0.4	22
1,2-Dibromo-3-chloropropane	ND		500	567		ug/L		113	49 - 162	0.2	21
1,2-Dibromoethane (EDB)	ND		500	567		ug/L		113	70 - 152	3	10
Dibromomethane	ND		500	498		ug/L		100	75 - 141	0.6	11
1,4-Dichlorobenzene	ND		500	542		ug/L		108	75 - 135	1	10
1,3-Dichlorobenzene	ND		500	544		ug/L		109	72 - 146	1	18
1,2-Dichlorobenzene	ND		500	554		ug/L		111	80 - 136	2	11
Dichlorodifluoromethane	ND		500	362		ug/L		72	23 - 159	3	32
1,1-Dichloroethane	ND		500	479		ug/L		96	64 - 154	3	34
1,2-Dichloroethane	ND		500	458		ug/L		92	72 - 137	0.1	25
cis-1,2-Dichloroethene	ND		500	484		ug/L		97	57 - 154	3	32
1,1-Dichloroethene	ND		500	483		ug/L		97	34 - 151	5	31
trans-1,2-Dichloroethene	ND		500	465		ug/L		93	57 - 157	5	32
1,3-Dichloropropane	ND		500	546		ug/L		109	71 - 137	3	20
1,2-Dichloropropane	ND		500	498		ug/L		100	71 - 139	1	11
2,2-Dichloropropane	ND		500	471		ug/L		94	10 - 198	4	11
cis-1,3-Dichloropropene	ND		500	584		ug/L		117	56 - 156	3	35
trans-1,3-Dichloropropene	ND		500	546		ug/L		109	47 - 157	3	26
1,1-Dichloropropene	ND		500	518		ug/L		104	70 - 155	4	18
Ethylbenzene	12.6		500	561		ug/L		110	68 - 157	3	12
Hexachlorobutadiene	ND		500	498		ug/L		100	47 - 173	8	21
2-Hexanone	ND		2500	2940		ug/L		118	57 - 154	2	20
Isopropylbenzene	36.5		500	633		ug/L		119	69 - 139	6	15
p-Isopropyltoluene	6.80		500	548		ug/L		108	69 - 151	2	18
Methyl tert-Butyl Ether	ND		500	499		ug/L		100	56 - 152	6	32
Methylene Chloride	ND		500	475		ug/L		95	71 - 136	0.8	36
4-Methyl-2-pentanone	ND		2500	2840		ug/L		114	62 - 159	4	35
Naphthalene	7.10		500	634		ug/L		125	56 - 161	0.9	30
n-Propylbenzene	87.3		500	628		ug/L		108	61 - 167	0.5	23
Styrene	ND		500	571		ug/L		114	69 - 150	4	29

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

Lab Sample ID: 11C4722-MSD1
Matrix: Water
Analysis Batch: U004469

Client Sample ID: NUC2253-01RE1
Prep Type: total
Prep Batch: 11C4722_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		500	569		ug/L		114	80 - 140	4	11
1,1,2,2-Tetrachloroethane	ND		500	613		ug/L		123	76 - 141	0.3	28
Tetrachloroethene	ND		500	504		ug/L		101	63 - 155	2	16
Toluene	5.80		500	558		ug/L		111	61 - 153	0.6	35
1,2,3-Trichlorobenzene	ND		500	576		ug/L		115	57 - 155	2	28
1,2,4-Trichlorobenzene	ND		500	596		ug/L		119	64 - 147	1	23
1,1,2-Trichloroethane	ND		500	702	M7	ug/L		140	74 - 138	1	21
1,1,1-Trichloroethane	ND		500	494		ug/L		99	78 - 153	3	29
Trichloroethene	ND		500	515		ug/L		103	74 - 139	3	11
Trichlorofluoromethane	ND		500	417		ug/L		83	53 - 149	8	33
1,2,3-Trichloropropane	ND		500	562		ug/L		112	49 - 148	2	25
1,3,5-Trimethylbenzene	6.20		500	547		ug/L		108	67 - 151	1	21
1,2,4-Trimethylbenzene	4.40		500	542		ug/L		108	69 - 150	1	20
Vinyl chloride	ND		500	432		ug/L		86	53 - 137	5	32
Xylenes, total	14.8		1500	1650		ug/L		109	68 - 158	4	18

Surrogate	*Matrix Spike Dup % Recovery*	*Matrix Spike Dup Qualifier*	*Limits*
1,2-Dichloroethane-d4	*86*		*63 - 140*
Dibromofluoromethane	*98*		*73 - 131*
Toluene-d8	*105*		*80 - 120*
4-Bromofluorobenzene	*97*		*79 - 125*

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

Lab Sample ID: 11C3980-BLK1
Matrix: Water
Analysis Batch: 11C3980

Client Sample ID: 11C3980-BLK1
Prep Type: total
Prep Batch: 11C3980_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.100		ug/L		03/18/11 08:00	03/18/11 11:09	1.00
Acenaphthylene	ND		0.100		ug/L		03/18/11 08:00	03/18/11 11:09	1.00
Anthracene	ND		0.100		ug/L		03/18/11 08:00	03/18/11 11:09	1.00
Benzo (a) anthracene	ND		0.100		ug/L		03/18/11 08:00	03/18/11 11:09	1.00
Benzo (a) pyrene	ND		0.100		ug/L		03/18/11 08:00	03/18/11 11:09	1.00
Benzo (b) fluoranthene	ND		0.100		ug/L		03/18/11 08:00	03/18/11 11:09	1.00
Benzo (g,h,i) perylene	ND		0.100		ug/L		03/18/11 08:00	03/18/11 11:09	1.00
Benzo (k) fluoranthene	ND		0.100		ug/L		03/18/11 08:00	03/18/11 11:09	1.00
Chrysene	ND		0.100		ug/L		03/18/11 08:00	03/18/11 11:09	1.00
Dibenz (a,h) anthracene	ND		0.100		ug/L		03/18/11 08:00	03/18/11 11:09	1.00
Fluoranthene	ND		0.100		ug/L		03/18/11 08:00	03/18/11 11:09	1.00
Fluorene	ND		0.100		ug/L		03/18/11 08:00	03/18/11 11:09	1.00
Indeno (1,2,3-cd) pyrene	ND		0.100		ug/L		03/18/11 08:00	03/18/11 11:09	1.00
1-Methylnaphthalene	ND		0.100		ug/L		03/18/11 08:00	03/18/11 11:09	1.00
2-Methylnaphthalene	ND		0.100		ug/L		03/18/11 08:00	03/18/11 11:09	1.00
Naphthalene	ND		0.100		ug/L		03/18/11 08:00	03/18/11 11:09	1.00
Phenanthrene	ND		0.100		ug/L		03/18/11 08:00	03/18/11 11:09	1.00
Pyrene	ND		0.100		ug/L		03/18/11 08:00	03/18/11 11:09	1.00

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

Lab Sample ID: 11C3980-BLK1
Matrix: Water
Analysis Batch: 11C3980

Client Sample ID: 11C3980-BLK1
Prep Type: total
Prep Batch: 11C3980_P

Surrogate	Blank % Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	*73*		*27 - 120*	*03/18/11 08:00*	*03/18/11 11:09*	*1.00*
2-Fluorobiphenyl	*67*		*29 - 120*	*03/18/11 08:00*	*03/18/11 11:09*	*1.00*
Terphenyl-d14	*84*		*13 - 120*	*03/18/11 08:00*	*03/18/11 11:09*	*1.00*

Lab Sample ID: 11C3980-BS1
Matrix: Water
Analysis Batch: 11C3980

Client Sample ID: 11C3980-BS1
Prep Type: total
Prep Batch: 11C3980_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acenaphthene	1.00	0.710	MNR1	ug/L		71	43 - 122
Acenaphthylene	1.00	0.660	MNR1	ug/L		66	43 - 129
Anthracene	1.00	0.740	MNR1	ug/L		74	50 - 138
Benzo (a) anthracene	1.00	0.730	MNR1	ug/L		73	50 - 135
Benzo (a) pyrene	1.00	0.730	MNR1	ug/L		73	46 - 136
Benzo (b) fluoranthene	1.00	0.720	MNR1	ug/L		72	37 - 147
Benzo (g,h,i) perylene	1.00	0.780	MNR1	ug/L		78	30 - 145
Benzo (k) fluoranthene	1.00	0.850	MNR1	ug/L		85	47 - 135
Chrysene	1.00	0.840	MNR1	ug/L		84	47 - 138
Dibenz (a,h) anthracene	1.00	0.690	MNR1	ug/L		69	36 - 144
Fluoranthene	1.00	0.730	MNR1	ug/L		73	51 - 139
Fluorene	1.00	0.700	MNR1	ug/L		70	47 - 128
Indeno (1,2,3-cd) pyrene	1.00	0.690	MNR1	ug/L		69	32 - 142
1-Methylnaphthalene	1.00	0.680	MNR1	ug/L		68	37 - 126
2-Methylnaphthalene	1.00	0.710	MNR1	ug/L		71	41 - 121
Naphthalene	1.00	0.720	MNR1	ug/L		72	38 - 120
Phenanthrene	1.00	0.850	MNR1	ug/L		85	45 - 133
Pyrene	1.00	0.850	MNR1	ug/L		85	50 - 146

Surrogate	LCS % Recovery	LCS Qualifier	Limits
Nitrobenzene-d5	*73*		*27 - 120*
2-Fluorobiphenyl	*69*		*29 - 120*
Terphenyl-d14	*78*		*13 - 120*

Method: NWTPH-Gx - Purgeable Petroleum Hydrocarbons

Lab Sample ID: 11C6108-BLK1
Matrix: Water
Analysis Batch: U004906

Client Sample ID: 11C6108-BLK1
Prep Type: total
Prep Batch: 11C6108_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12) NW	ND		100		ug/L		03/24/11 00:00	03/24/11 19:01	1.00

Surrogate	Blank % Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	*114*		*50 - 150*	*03/24/11 00:00*	*03/24/11 19:01*	*1.00*

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

Lab Sample ID: 11C6108-BS1 — **Client Sample ID: 11C6108-BS1**
Matrix: Water — **Prep Type: total**
Analysis Batch: U004906 — **Prep Batch: 11C6108_P**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
GRO (C4-C12) NW			1000	913		ug/L		91	70 - 130		

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*117*		*50 - 150*

Lab Sample ID: 11C6108-BSD1 — **Client Sample ID: 11C6108-BSD1**
Matrix: Water — **Prep Type: total**
Analysis Batch: U004906 — **Prep Batch: 11C6108_P**

Analyte			Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
GRO (C4-C12) NW			1000	925		ug/L		93	70 - 130	1	37

Surrogate	*LCS Dup % Recovery*	*LCS Dup Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*124*		*50 - 150*

Lab Sample ID: 11C6108-MS1 — **Client Sample ID: NUC2704-01**
Matrix: Water — **Prep Type: total**
Analysis Batch: U004906 — **Prep Batch: 11C6108_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	1170		ug/L		117	58 - 139		

Surrogate	*Matrix Spike % Recovery*	*Matrix Spike Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*118*		*50 - 150*

Lab Sample ID: 11C6108-MSD1 — **Client Sample ID: NUC2704-01**
Matrix: Water — **Prep Type: total**
Analysis Batch: U004906 — **Prep Batch: 11C6108_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	1030		ug/L		103	58 - 139	12	37

Surrogate	*Matrix Spike Dup % Recovery*	*Matrix Spike Dup Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*118*		*50 - 150*

Lab Sample ID: 11C6108-DUP1 — **Client Sample ID: GW-060616-MW-1**
Matrix: Water — **Prep Type: total**
Analysis Batch: U004906 — **Prep Batch: 11C6108_P**

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

Surrogate	*Duplicate % Recovery*	*Duplicate Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*101*		*50 - 150*

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

Lab Sample ID: 11C3929-BLK1
Matrix: Water
Analysis Batch: U004538

Client Sample ID: 11C3929-BLK1
Prep Type: total
Prep Batch: 11C3929_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel	ND		100		ug/L		03/17/11 13:20	03/19/11 09:54	1.00
Motor Oil	ND		100		ug/L		03/17/11 13:20	03/19/11 09:54	1.00

Surrogate	*Blank % Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*80*		*50 - 150*	*03/17/11 13:20*	*03/19/11 09:54*	*1.00*

Lab Sample ID: 11C3929-BS1
Matrix: Water
Analysis Batch: U004538

Client Sample ID: 11C3929-BS1
Prep Type: total
Prep Batch: 11C3929_P

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
Diesel			1000	932	MNR1	ug/L		93	57 - 132		

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*84*		*50 - 150*

Method: SW846 8011 - EDB by EPA Method 8011

Lab Sample ID: 11C3996-BLK1
Matrix: Water
Analysis Batch: U004340

Client Sample ID: 11C3996-BLK1
Prep Type: total
Prep Batch: 11C3996_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		0.02000	0.005000	ug/L		03/17/11 09:48	03/17/11 14:25	1.000

Surrogate	*Blank % Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,3-Dichlorobenzene	*119*		*47 - 150*	*03/17/11 09:48*	*03/17/11 14:25*	*1.000*

Lab Sample ID: 11C3996-BS1
Matrix: Water
Analysis Batch: U004340

Client Sample ID: 11C3996-BS1
Prep Type: total
Prep Batch: 11C3996_P

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
1,2-Dibromoethane (EDB)			0.286	0.2857	MNR1	ug/L		100	56 - 150		

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
1,3-Dichlorobenzene	*115*		*47 - 150*

Method: SW846 6020 - Total Metals by Method 6020

Lab Sample ID: 11C3983-BLK1
Matrix: Water
Analysis Batch: 11C3983

Client Sample ID: 11C3983-BLK1
Prep Type: total
Prep Batch: 11C3983_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.00		ug/L		03/21/11 06:16	03/23/11 19:41	1.00
Barium	ND		2.00		ug/L		03/21/11 06:16	03/23/11 19:41	1.00
Cadmium	ND		1.00		ug/L		03/21/11 06:16	03/23/11 19:41	1.00

Method: SW846 6020 - Total Metals by Method 6020 (Continued)

Lab Sample ID: 11C3983-BLK1 | **Client Sample ID: 11C3983-BLK1**
Matrix: Water | **Prep Type: total**
Analysis Batch: 11C3983 | **Prep Batch: 11C3983_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		2.00		ug/L		03/21/11 06:16	03/23/11 19:41	1.00
Lead	ND		2.00		ug/L		03/21/11 06:16	03/23/11 19:41	1.00
Selenium	ND		2.00		ug/L		03/21/11 06:16	03/23/11 19:41	1.00
Silver	ND		2.00		ug/L		03/21/11 06:16	03/23/11 19:41	1.00

Lab Sample ID: 11C3983-BS1 | **Client Sample ID: 11C3983-BS1**
Matrix: Water | **Prep Type: total**
Analysis Batch: 11C3983 | **Prep Batch: 11C3983_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Arsenic	100	90.5		ug/L		91	80 - 120
Barium	100	103		ug/L		103	80 - 120
Cadmium	100	94.1		ug/L		94	80 - 120
Chromium	100	94.5		ug/L		95	80 - 120
Lead	100	97.8		ug/L		98	80 - 120
Selenium	100	93.2		ug/L		93	80 - 120
Silver	100	94.7		ug/L		95	80 - 120

Lab Sample ID: 11C3983-BSD1 | **Client Sample ID: 11C3983-BSD1**
Matrix: Water | **Prep Type: total**
Analysis Batch: 11C3983 | **Prep Batch: 11C3983_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Arsenic	100	93.2		ug/L		93	80 - 120	3	20
Barium	100	98.9		ug/L		99	80 - 120	4	20
Cadmium	100	94.5		ug/L		94	80 - 120	0.4	20
Chromium	100	94.9		ug/L		95	80 - 120	0.4	20
Lead	100	98.0		ug/L		98	80 - 120	0.2	20
Selenium	100	88.6		ug/L		89	80 - 120	5	20
Silver	100	104		ug/L		104	80 - 120	10	20

Lab Sample ID: 11C3983-MS1 | **Client Sample ID: NUC2717-03**
Matrix: Water | **Prep Type: total**
Analysis Batch: 11C3983 | **Prep Batch: 11C3983_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits
Arsenic	0.470		100	92.3		ug/L		92	75 - 125
Barium	12.0		100	120		ug/L		108	75 - 125
Cadmium	0.0500		100	88.2		ug/L		88	75 - 125
Chromium	0.820		100	89.4		ug/L		89	75 - 125
Lead	0.160		100	100		ug/L		100	75 - 125
Selenium	0.150		100	94.1		ug/L		94	75 - 125
Silver	ND		100	83.9		ug/L		84	75 - 125

Lab Sample ID: 11C3983-MS2 | **Client Sample ID: NUC2846-01**
Matrix: Water | **Prep Type: total**
Analysis Batch: 11C3983 | **Prep Batch: 11C3983_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits
Arsenic	ND		100	110		ug/L		110	75 - 125
Barium	1770		100	1930	M4	ug/L		160	75 - 125

Method: SW846 6020 - Total Metals by Method 6020 (Continued)

Lab Sample ID: 11C3983-MS2 — **Client Sample ID: NUC2846-01**
Matrix: Water — **Prep Type: total**
Analysis Batch: 11C3983 — **Prep Batch: 11C3983_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits
Cadmium	ND		100	80.0		ug/L		80	75 - 125
Chromium	ND		100	ND	M4	ug/L			75 - 125
Lead	ND		100	100		ug/L		100	75 - 125
Selenium	ND		100	90.0		ug/L		90	75 - 125
Silver	ND		100	ND	M4	ug/L			75 - 125

Lab Sample ID: 11C3983-MSD1 — **Client Sample ID: NUC2717-03**
Matrix: Water — **Prep Type: total**
Analysis Batch: 11C3983 — **Prep Batch: 11C3983_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Arsenic	0.470		100	95.7		ug/L		95	75 - 125	4	20
Barium	12.0		100	121		ug/L		109	75 - 125	0.7	20
Cadmium	0.0500		100	89.7		ug/L		90	75 - 125	2	20
Chromium	0.820		100	90.8		ug/L		90	75 - 125	2	20
Lead	0.160		100	100		ug/L		100	75 - 125	0.2	20
Selenium	0.150		100	94.8		ug/L		95	75 - 125	0.8	20
Silver	ND		100	85.5		ug/L		86	75 - 125	2	20

Lab Sample ID: 11C3983-MSD2 — **Client Sample ID: NUC2846-01**
Matrix: Water — **Prep Type: total**
Analysis Batch: 11C3983 — **Prep Batch: 11C3983_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Arsenic	ND		100	80.0	M4	ug/L		80	75 - 125	32	20
Barium	1770		100	1700	M4	ug/L		-70	75 - 125	13	20
Cadmium	ND		100	90.0		ug/L		90	75 - 125	12	20
Chromium	ND		100	ND	M4	ug/L			75 - 125		20
Lead	ND		100	100		ug/L		100	75 - 125	0	20
Selenium	ND		100	100		ug/L		100	75 - 125	11	20
Silver	ND		100	ND	M4	ug/L			75 - 125		20

Lab Sample ID: 11C3976-BLK1 — **Client Sample ID: 11C3976-BLK1**
Matrix: Water — **Prep Type: dissolved**
Analysis Batch: 11C3976 — **Prep Batch: 11C3976_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.00		ug/L		03/18/11 06:00	03/18/11 11:54	1.00
Barium	ND		2.00		ug/L		03/18/11 06:00	03/18/11 11:54	1.00
Cadmium	ND		1.00		ug/L		03/18/11 06:00	03/18/11 11:54	1.00
Chromium	ND		2.00		ug/L		03/18/11 06:00	03/18/11 11:54	1.00
Lead	ND		2.00		ug/L		03/18/11 06:00	03/18/11 11:54	1.00
Selenium	ND		2.00		ug/L		03/18/11 06:00	03/18/11 11:54	1.00
Silver	ND		2.00		ug/L		03/18/11 06:00	03/18/11 11:54	1.00

Lab Sample ID: 11C3976-BS1 — **Client Sample ID: 11C3976-BS1**
Matrix: Water — **Prep Type: dissolved**
Analysis Batch: 11C3976 — **Prep Batch: 11C3976_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Arsenic	100	89.0		ug/L		89	80 - 120

Method: SW846 6020 - Dissolved Metals by Method 6020 (Continued)

Lab Sample ID: 11C3976-BS1
Matrix: Water
Analysis Batch: 11C3976

Client Sample ID: 11C3976-BS1
Prep Type: dissolved
Prep Batch: 11C3976_P

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
Barium			100	103		ug/L		103	80 - 120		
Cadmium			100	91.7		ug/L		92	80 - 120		
Chromium			100	92.0		ug/L		92	80 - 120		
Lead			100	97.8		ug/L		98	80 - 120		
Selenium			100	93.1		ug/L		93	80 - 120		
Silver			100	92.5		ug/L		92	80 - 120		

Lab Sample ID: 11C3976-BSD1
Matrix: Water
Analysis Batch: 11C3976

Client Sample ID: 11C3976-BSD1
Prep Type: dissolved
Prep Batch: 11C3976_P

Analyte			Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Arsenic			100	89.6		ug/L		90	80 - 120	0.7	20
Barium			100	101		ug/L		101	80 - 120	2	20
Cadmium			100	93.6		ug/L		94	80 - 120	2	20
Chromium			100	95.1		ug/L		95	80 - 120	3	20
Lead			100	96.2		ug/L		96	80 - 120	2	20
Selenium			100	93.9		ug/L		94	80 - 120	0.9	20
Silver			100	94.8		ug/L		95	80 - 120	2	20

Lab Sample ID: 11C3976-MS1
Matrix: Water
Analysis Batch: 11C3976

Client Sample ID: NUC2490-05
Prep Type: dissolved
Prep Batch: 11C3976_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits		
Arsenic	0.920		100	95.2		ug/L		94	75 - 125		
Barium	112		100	222		ug/L		110	75 - 125		
Cadmium	0.190		100	86.0		ug/L		86	75 - 125		
Chromium	ND		100	91.1		ug/L		91	75 - 125		
Lead	ND		100	100		ug/L		100	75 - 125		
Selenium	0.940		100	93.2		ug/L		92	75 - 125		
Silver	0.340		100	84.1		ug/L		84	75 - 125		

Lab Sample ID: 11C3976-MSD1
Matrix: Water
Analysis Batch: 11C3976

Client Sample ID: NUC2490-05
Prep Type: dissolved
Prep Batch: 11C3976_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Arsenic	0.920		100	94.0		ug/L		93	75 - 125	1	20
Barium	112		100	208		ug/L		95	75 - 125	7	20
Cadmium	0.190		100	84.4		ug/L		84	75 - 125	2	20
Chromium	ND		100	91.0		ug/L		91	75 - 125	0.03	20
Lead	ND		100	93.4		ug/L		93	75 - 125	7	20
Selenium	0.940		100	90.4		ug/L		89	75 - 125	3	20
Silver	0.340		100	82.9		ug/L		83	75 - 125	1	20

Method: SW846 7470A - Mercury by EPA Methods 7470A/7471A

Lab Sample ID: 11C3942-BLK1 — **Client Sample ID: 11C3942-BLK1**
Matrix: Water — **Prep Type: total**
Analysis Batch: 11C3942 — **Prep Batch: 11C3942_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200		mg/L		03/18/11 07:40	03/18/11 13:59	1.00

Lab Sample ID: 11C3942-BS1 — **Client Sample ID: 11C3942-BS1**
Matrix: Water — **Prep Type: total**
Analysis Batch: 11C3942 — **Prep Batch: 11C3942_P**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
Mercury			0.00100	0.000993		mg/L		99	80 - 120		

Lab Sample ID: 11C3942-BSD1 — **Client Sample ID: 11C3942-BSD1**
Matrix: Water — **Prep Type: total**
Analysis Batch: 11C3942 — **Prep Batch: 11C3942_P**

Analyte			Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Mercury			0.00100	0.00102		mg/L		102	80 - 120	3	20

Lab Sample ID: 11C3942-MS1 — **Client Sample ID: NUC2717-03**
Matrix: Water — **Prep Type: total**
Analysis Batch: 11C3942 — **Prep Batch: 11C3942_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits		
Mercury	ND		0.00100	0.00107		mg/L		107	75 - 125		

Lab Sample ID: 11C3942-MSD1 — **Client Sample ID: NUC2717-03**
Matrix: Water — **Prep Type: total**
Analysis Batch: 11C3942 — **Prep Batch: 11C3942_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Mercury	ND		0.00100	0.00102		mg/L		102	75 - 125	5	20

Lab Sample ID: 11C3804-BLK1 — **Client Sample ID: 11C3804-BLK1**
Matrix: Water — **Prep Type: dissolved**
Analysis Batch: 11C3804 — **Prep Batch: 11C3804_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200		mg/L		03/18/11 08:00	03/18/11 13:01	1.00

Lab Sample ID: 11C3804-BS1 — **Client Sample ID: 11C3804-BS1**
Matrix: Water — **Prep Type: dissolved**
Analysis Batch: 11C3804 — **Prep Batch: 11C3804_P**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
Mercury			0.00100	0.000955		mg/L		96	80 - 120		

Lab Sample ID: 11C3804-BSD1 — **Client Sample ID: 11C3804-BSD1**
Matrix: Water — **Prep Type: dissolved**
Analysis Batch: 11C3804 — **Prep Batch: 11C3804_P**

Analyte			Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Mercury			0.00100	0.000992		mg/L		99	80 - 120	4	20

Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A (Continued)

Lab Sample ID: 11C3804-MS1 — **Client Sample ID: NUC2479-01**
Matrix: Water — **Prep Type: dissolved**
Analysis Batch: 11C3804 — **Prep Batch: 11C3804_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits		
Mercury	ND		0.00100	0.00100		mg/L		100	75 - 125		

Lab Sample ID: 11C3804-MSD1 — **Client Sample ID: NUC2479-01**
Matrix: Water — **Prep Type: dissolved**
Analysis Batch: 11C3804 — **Prep Batch: 11C3804_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Mercury	ND		0.00100	0.000984		mg/L		98	75 - 125	2	20

Method: SM3500-Cr B/D - General Chemistry Parameters

Lab Sample ID: 11C3383-BLK1 — **Client Sample ID: 11C3383-BLK1**
Matrix: Water — **Prep Type: total**
Analysis Batch: 11C3383 — **Prep Batch: 11C3383_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium (VI)	ND		10.0		ug/L		03/15/11 11:31	03/15/11 11:31	1.00

Lab Sample ID: 11C3383-BS1 — **Client Sample ID: 11C3383-BS1**
Matrix: Water — **Prep Type: total**
Analysis Batch: 11C3383 — **Prep Batch: 11C3383_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Chromium (VI)	100	91.6		ug/L		92	85 - 115

Lab Sample ID: 11C3383-MS1 — **Client Sample ID: GW-060616-MW-1**
Matrix: Water — **Prep Type: total**
Analysis Batch: 11C3383 — **Prep Batch: 11C3383_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits		
Chromium (VI)	ND		100	121		ug/L		121	70 - 130		

Lab Sample ID: 11C3383-MSD1 — **Client Sample ID: GW-060616-MW-1**
Matrix: Water — **Prep Type: total**
Analysis Batch: 11C3383 — **Prep Batch: 11C3383_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Chromium (VI)	ND		100	123		ug/L		123	70 - 130	1	10

Lab Sample ID: 11C3383-DUP1 — **Client Sample ID: GW-060616-MW-1**
Matrix: Water — **Prep Type: total**
Analysis Batch: 11C3383 — **Prep Batch: 11C3383_P**

Analyte	Sample Result	Sample Qualifier	Duplicate Result	Duplicate Qualifier	Unit	D	RPD	RPD Limit
Chromium (VI)	ND		ND		ug/L			10

GCMS Volatiles

Prep Batch: 11C4722_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11C4722-BS1	11C4722-BS1	total	Water	EPA 5030B	
11C4722-BSD1	11C4722-BSD1	total	Water	EPA 5030B	
11C4722-BLK1	11C4722-BLK1	total	Water	EPA 5030B	
NUC2276-01	GW-060616-MW-1	total	Ground Water	EPA 5030B	
11C4722-MS1	NUC2253-01RE1	total	Water	EPA 5030B	
11C4722-MSD1	NUC2253-01RE1	total	Water	EPA 5030B	

Analysis Batch: U004469

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11C4722-BS1	11C4722-BS1	total	Water	SW846 8260B	11C4722_P
11C4722-BSD1	11C4722-BSD1	total	Water	SW846 8260B	11C4722_P
11C4722-BLK1	11C4722-BLK1	total	Water	SW846 8260B	11C4722_P
NUC2276-01	GW-060616-MW-1	total	Ground Water	SW846 8260B	11C4722_P
11C4722-MS1	NUC2253-01RE1	total	Water	SW846 8260B	11C4722_P
11C4722-MSD1	NUC2253-01RE1	total	Water	SW846 8260B	11C4722_P

GCMS Semivolatiles

Analysis Batch: 11C3980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11C3980-BLK1	11C3980-BLK1	total	Water	SW846 8270CSIM	11C3980_P
11C3980-BS1	11C3980-BS1	total	Water	SW846 8270CSIM	11C3980_P
NUC2276-01	GW-060616-MW-1	total	Ground Water	SW846 8270CSIM	11C3980_P

Prep Batch: 11C3980_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11C3980-BLK1	11C3980-BLK1	total	Water	EPA 3510C	
11C3980-BS1	11C3980-BS1	total	Water	EPA 3510C	
NUC2276-01	GW-060616-MW-1	total	Ground Water	EPA 3510C	

GC Volatiles

Prep Batch: 11C6108_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11C6108-BLK1	11C6108-BLK1	total	Water	EPA 5030B (GC)	
NUC2276-01	GW-060616-MW-1	total	Ground Water	EPA 5030B (GC)	
11C6108-BS1	11C6108-BS1	total	Water	EPA 5030B (GC)	
11C6108-BSD1	11C6108-BSD1	total	Water	EPA 5030B (GC)	
11C6108-MS1	NUC2704-01	total	Water	EPA 5030B (GC)	
11C6108-MSD1	NUC2704-01	total	Water	EPA 5030B (GC)	
11C6108-DUP1	GW-060616-MW-1	total	Water	EPA 5030B (GC)	

Analysis Batch: U004906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11C6108-BLK1	11C6108-BLK1	total	Water	NWTPH-Gx	11C6108_P
NUC2276-01	GW-060616-MW-1	total	Ground Water	NWTPH-Gx	11C6108_P

GC Volatiles (Continued)

Analysis Batch: U004906 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11C6108-BS1	11C6108-BS1	total	Water	NWTPH-Gx	11C6108_P
11C6108-BSD1	11C6108-BSD1	total	Water	NWTPH-Gx	11C6108_P
11C6108-MS1	NUC2704-01	total	Water	NWTPH-Gx	11C6108_P
11C6108-MSD1	NUC2704-01	total	Water	NWTPH-Gx	11C6108_P
11C6108-DUP1	GW-060616-MW-1	total	Water	NWTPH-Gx	11C6108_P

GC Semivolatiles

Prep Batch: 11C3929_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11C3929-BLK1	11C3929-BLK1	total	Water	EPA 3510C	
11C3929-BS1	11C3929-BS1	total	Water	EPA 3510C	
NUC2276-01	GW-060616-MW-1	total	Ground Water	EPA 3510C	

Analysis Batch: U004538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11C3929-BLK1	11C3929-BLK1	total	Water	NWTPH-Dx	11C3929_P
11C3929-BS1	11C3929-BS1	total	Water	NWTPH-Dx	11C3929_P
NUC2276-01	GW-060616-MW-1	total	Ground Water	NWTPH-Dx	11C3929_P

Pesticides

Prep Batch: 11C3996_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11C3996-BLK1	11C3996-BLK1	total	Water	EPA 8011	
11C3996-BS1	11C3996-BS1	total	Water	EPA 8011	
NUC2276-01	GW-060616-MW-1	total	Ground Water	EPA 8011	

Analysis Batch: U004340

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11C3996-BLK1	11C3996-BLK1	total	Water	SW846 8011	11C3996_P
11C3996-BS1	11C3996-BS1	total	Water	SW846 8011	11C3996_P
NUC2276-01	GW-060616-MW-1	total	Ground Water	SW846 8011	11C3996_P

Metals

Analysis Batch: 11C3804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11C3804-BLK1	11C3804-BLK1	Dissolved	Water	SW846 7470A	11C3804_P
11C3804-BS1	11C3804-BS1	Dissolved	Water	SW846 7470A	11C3804_P
11C3804-BSD1	11C3804-BSD1	Dissolved	Water	SW846 7470A	11C3804_P
NUC2276-01	GW-060616-MW-1	Dissolved	Ground Water	SW846 7470A	11C3804_P
11C3804-MS1	NUC2479-01	Dissolved	Water	SW846 7470A	11C3804_P
11C3804-MSD1	NUC2479-01	Dissolved	Water	SW846 7470A	11C3804_P

Prep Batch: 11C3804_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11C3804-BLK1	11C3804-BLK1	Dissolved	Water	EPA 7470	
11C3804-BS1	11C3804-BS1	Dissolved	Water	EPA 7470	
11C3804-BSD1	11C3804-BSD1	Dissolved	Water	EPA 7470	
NUC2276-01	GW-060616-MW-1	Dissolved	Ground Water	EPA 7470	
11C3804-MS1	NUC2479-01	Dissolved	Water	EPA 7470	

Metals (Continued)

Prep Batch: 11C3804_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11C3804-MSD1	NUC2479-01	Dissolved	Water	EPA 7470	

Analysis Batch: 11C3942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11C3942-BLK1	11C3942-BLK1	total	Water	SW846 7470A	11C3942_P
11C3942-BS1	11C3942-BS1	total	Water	SW846 7470A	11C3942_P
11C3942-BSD1	11C3942-BSD1	total	Water	SW846 7470A	11C3942_P
NUC2276-01	GW-060616-MW-1	total	Ground Water	SW846 7470A	11C3942_P
11C3942-MS1	NUC2717-03	total	Water	SW846 7470A	11C3942_P
11C3942-MSD1	NUC2717-03	total	Water	SW846 7470A	11C3942_P

Prep Batch: 11C3942_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11C3942-BLK1	11C3942-BLK1	total	Water	EPA 7470	
11C3942-BS1	11C3942-BS1	total	Water	EPA 7470	
11C3942-BSD1	11C3942-BSD1	total	Water	EPA 7470	
NUC2276-01	GW-060616-MW-1	total	Ground Water	EPA 7470	
11C3942-MS1	NUC2717-03	total	Water	EPA 7470	
11C3942-MSD1	NUC2717-03	total	Water	EPA 7470	

Analysis Batch: 11C3976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11C3976-BS1	11C3976-BS1	Dissolved	Water	SW846 6020	11C3976_P
11C3976-BSD1	11C3976-BSD1	Dissolved	Water	SW846 6020	11C3976_P
11C3976-BLK1	11C3976-BLK1	Dissolved	Water	SW846 6020	11C3976_P
NUC2276-01	GW-060616-MW-1	Dissolved	Ground Water	SW846 6020	11C3976_P
11C3976-MS1	NUC2490-05	Dissolved	Water	SW846 6020	11C3976_P
11C3976-MSD1	NUC2490-05	Dissolved	Water	SW846 6020	11C3976_P
NUC2276-01	GW-060616-MW-1	Dissolved	Ground Water	SW846 6020	11C3976_P

Prep Batch: 11C3976_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11C3976-BS1	11C3976-BS1	Dissolved	Water	EPA 3010A / 6020 Dissolved	
11C3976-BSD1	11C3976-BSD1	Dissolved	Water	EPA 3010A / 6020 Dissolved	
11C3976-BLK1	11C3976-BLK1	Dissolved	Water	EPA 3010A / 6020 Dissolved	
NUC2276-01	GW-060616-MW-1	Dissolved	Ground Water	EPA 3010A / 6020 Dissolved	
11C3976-MS1	NUC2490-05	Dissolved	Water	EPA 3010A / 6020 Dissolved	
11C3976-MSD1	NUC2490-05	Dissolved	Water	EPA 3010A / 6020 Dissolved	
NUC2276-01	GW-060616-MW-1	Dissolved	Ground Water	EPA 3010A / 6020 Dissolved	

Analysis Batch: 11C3983

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11C3983-BS1	11C3983-BS1	total	Water	SW846 6020	11C3983_P
11C3983-BLK1	11C3983-BLK1	total	Water	SW846 6020	11C3983_P
NUC2276-01	GW-060616-MW-1	total	Ground Water	SW846 6020	11C3983_P
11C3983-MS1	NUC2717-03	total	Water	SW846 6020	11C3983_P
11C3983-MSD1	NUC2717-03	total	Water	SW846 6020	11C3983_P
11C3983-MS2	NUC2846-01	total	Water	SW846 6020	11C3983_P

Metals (Continued)

Analysis Batch: 11C3983 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11C3983-MSD2	NUC2846-01	total	Water	SW846 6020	11C3983_P
11C3983-BSD1	11C3983-BSD1	total	Water	SW846 6020	11C3983_P

Prep Batch: 11C3983_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11C3983-BS1	11C3983-BS1	total	Water	EPA 3010A / 6020	
11C3983-BLK1	11C3983-BLK1	total	Water	EPA 3010A / 6020	
NUC2276-01	GW-060616-MW-1	total	Ground Water	EPA 3010A / 6020	
11C3983-MS1	NUC2717-03	total	Water	EPA 3010A / 6020	
11C3983-MSD1	NUC2717-03	total	Water	EPA 3010A / 6020	
11C3983-MS2	NUC2846-01	total	Water	EPA 3010A / 6020	
11C3983-MSD2	NUC2846-01	total	Water	EPA 3010A / 6020	
11C3983-BSD1	11C3983-BSD1	total	Water	EPA 3010A / 6020	

WetChem

Analysis Batch: 11C3383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11C3383-BLK1	11C3383-BLK1	total	Water	SM3500-Cr B/D	11C3383_P
11C3383-BS1	11C3383-BS1	total	Water	SM3500-Cr B/D	11C3383_P
11C3383-DUP1	GW-060616-MW-1	total	Water	SM3500-Cr B/D	11C3383_P
11C3383-MS1	GW-060616-MW-1	total	Water	SM3500-Cr B/D	11C3383_P
11C3383-MSD1	GW-060616-MW-1	total	Water	SM3500-Cr B/D	11C3383_P
NUC2276-01	GW-060616-MW-1	total	Ground Water	SM3500-Cr B/D	11C3383_P

Prep Batch: 11C3383_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11C3383-BLK1	11C3383-BLK1	total	Water	NO PREP	
11C3383-BS1	11C3383-BS1	total	Water	NO PREP	
11C3383-DUP1	GW-060616-MW-1	total	Water	NO PREP	
11C3383-MS1	GW-060616-MW-1	total	Water	NO PREP	
11C3383-MSD1	GW-060616-MW-1	total	Water	NO PREP	
NUC2276-01	GW-060616-MW-1	total	Ground Water	NO PREP	

Client: Conestoga-Rovers & Asso. (Everett)/ Shell
Project/Site: SAP 174665

TestAmerica Job ID: NUC2276

Client Sample ID: GW-060616-MW-1
Date Collected: 03/14/11 10:50
Date Received: 03/15/11 08:30

Lab Sample ID: NUC2276-01
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
total	Prep	EPA 5030B		1.00	11C4722_P	03/18/11 01:28	EML	TestAmerica Nashville
total	Analysis	SW846 8260B		1.00	U004469	03/18/11 11:23	EML	TestAmerica Nashville
total	Prep	EPA 3510C		0.980	11C3980_P	03/18/11 08:00	RCH2	TestAmerica Nashville
total	Analysis	SW846 8270CSIM		1.00	11C3980	03/18/11 12:56	BES	TestAmerica Nashville
total	Prep	EPA 5030B (GC)		1.00	11C6108_P	03/14/11 10:50	DxO	TestAmerica Nashville
total	Analysis	NWTPH-Gx		1.00	U004906	03/24/11 20:01	GWM	TestAmerica Nashville
total	Prep	EPA 3510C		0.962	11C3929_P	03/17/11 13:20	MAH	TestAmerica Nashville
total	Analysis	NWTPH-Dx		1.00	U004538	03/19/11 10:31	gmh	TestAmerica Nashville
total	Prep	EPA 8011		1.003	11C3996_P	03/17/11 09:48	rmc	TestAmerica Nashville
total	Analysis	SW846 8011		1.000	U004340	03/17/11 15:36	rmc	TestAmerica Nashville
Dissolved	Prep	EPA 3010A / 6020 Dissolved		1.00	11C3976_P	03/18/11 06:00	MET	TestAmerica Nashville
Dissolved	Analysis	SW846 6020		1.00	11C3976	03/18/11 11:57	MET	TestAmerica Nashville
total	Prep	EPA 3010A / 6020		1.00	11C3983_P	03/21/11 06:16	MET	TestAmerica Nashville
total	Analysis	SW846 6020		1.00	11C3983	03/23/11 19:44	MET	TestAmerica Nashville
Dissolved	Analysis	SW846 6020		1.00	11C3976	03/21/11 14:11	MET	TestAmerica Nashville
Dissolved	Prep	EPA 7470		1.00	11C3804_P	03/18/11 08:00	DEB	TestAmerica Nashville
Dissolved	Analysis	SW846 7470A		1.00	11C3804	03/18/11 13:07	DEB	TestAmerica Nashville
total	Prep	EPA 7470		1.00	11C3942_P	03/18/11 07:40	DEB	TestAmerica Nashville
total	Analysis	SW846 7470A		1.00	11C3942	03/18/11 14:12	DEB	TestAmerica Nashville
total	Analysis	SM3500-Cr B/D		1.00	11C3383	03/15/11 11:31	KJA	TestAmerica Nashville
total	Prep	NO PREP		1.00	11C3383_P	03/15/11 11:31	KJA	TestAmerica Nashville

Method Summary

Client: Conestoga-Rovers & Asso. (Everett)/ Shell
Project/Site: SAP 174665

TestAmerica Job ID: NUC2276

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
SW846 8011	EDB by EPA Method 8011		TAL NSH
SW846 6020	Dissolved Metals by Method 6020		TAL NSH
SW846 6020	Total Metals by Method 6020		TAL NSH
SW846 7470A	Dissolved Mercury by EPA Methods 7470A/7471A		TAL NSH
SW846 7470A	Mercury by EPA Methods 7470A/7471A		TAL NSH
SM3500-Cr B/D	General Chemistry Parameters		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 174665

TestAmerica Job ID: NUC2276

Laboratory	Authority	Program	EPA Region	Certification ID	* Expiration Date
TestAmerica Nashville		AIHA		100790	09/01/11
TestAmerica Nashville		USDA		S-48469	11/02/13
TestAmerica Nashville	A2LA	A2LA	0	0453.07	12/31/11
TestAmerica Nashville	A2LA	WY UST	0	453.07	12/31/11
TestAmerica Nashville	Alabama	State Program	4	41150	03/19/11
TestAmerica Nashville	Alaska	Alaska UST	10	UST-087	07/24/11
TestAmerica Nashville	Arizona	State Program	9	AZ0473	05/05/11
TestAmerica Nashville	Arkansas	State Program	6	88-0737	04/25/11
TestAmerica Nashville	CALA	CALA	0	3744	03/08/14
TestAmerica Nashville	California	NELAC	9	1168CA	10/31/11
TestAmerica Nashville	Colorado	State Program	8	N/A	02/28/12
TestAmerica Nashville	Connecticut	State Program	1	PH-0220	12/31/11
TestAmerica Nashville	Florida	NELAC	4	E87358	06/30/11
TestAmerica Nashville	Illinois	NELAC	5	200010	12/09/11
TestAmerica Nashville	Iowa	State Program	7	131	05/01/12
TestAmerica Nashville	Kansas	NELAC	7	E-10229	10/31/11
TestAmerica Nashville	Kentucky	Kentucky UST	4	19	07/13/12
TestAmerica Nashville	Kentucky	State Program	4	90038	12/31/11
TestAmerica Nashville	Louisiana	NELAC	6	LA100011	12/31/11
TestAmerica Nashville	Louisiana	NELAC	6	30613	06/30/11
TestAmerica Nashville	Maryland	State Program	3	316	03/31/11
TestAmerica Nashville	Massachusetts	State Program	1	M-TN032	06/30/11
TestAmerica Nashville	Minnesota	NELAC	5	047-999-345	12/31/11
TestAmerica Nashville	Mississippi	State Program	4	N/A	06/30/11
TestAmerica Nashville	Montana	MT DEQ UST	8	NA	01/01/15
TestAmerica Nashville	Nevada	State Program	9	TN00032	07/31/11
TestAmerica Nashville	New Hampshire	NELAC	1	2963	10/09/11
TestAmerica Nashville	New Jersey	NELAC	2	TN965	06/30/11
TestAmerica Nashville	New York	NELAC	2	11342	04/01/11
TestAmerica Nashville	North Carolina	North Carolina DENR	4	387	12/31/11
TestAmerica Nashville	North Dakota	State Program	8	R-146	06/30/11
TestAmerica Nashville	Ohio	OVAP	5	CL0033	04/01/12
TestAmerica Nashville	Oklahoma	State Program	6	9412	08/31/11
TestAmerica Nashville	Oregon	NELAC	10	TN200001	04/30/11
TestAmerica Nashville	Pennsylvania	NELAC	3	68-00585	06/30/11
TestAmerica Nashville	Rhode Island	State Program	1	LAO00268	12/30/11
TestAmerica Nashville	South Carolina	State Program	4	84009	03/19/11
TestAmerica Nashville	South Carolina	State Program	4	84009	04/30/11
TestAmerica Nashville	Tennessee	State Program	4	2008	03/19/11
TestAmerica Nashville	Texas	NELAC	6	T104704077-09-TX	08/31/11
TestAmerica Nashville	Utah	NELAC	8	TAN	06/30/11
TestAmerica Nashville	Virginia	State Program	3	00323	06/30/11
TestAmerica Nashville	Washington	State Program	10	C789	07/19/11
TestAmerica Nashville	West Virginia	West Virginia DEP	3	219	04/30/11
TestAmerica Nashville	Wisconsin	State Program	5	998020430	08/31/11

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.
* Any expired certifications in this list are currently pending renewal and are considered valid.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Nashville, TN

COOLER

NUC2276

Cooler Received/Opened On 3/15/2011@ 8:30

1. Tracking # 5365 (last 4 digits, FedEx)

Courier: Fedex IR Gun ID Raynger

2. Temperature of rep. sample or temp blank when opened: 1.0 *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 Back

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 # 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-1
End of Form

Revised 6/24/09

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: Brian Richardson - 060616.2011.01

PO #

INCIDENT # (ENV SERVICES): 9 7 8 0 7 2 5 6

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 3/14/11

SAP #: 1 7 4 6 6 5

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: 6317 NE 4th Plain Blvd, Vancouver State: WA GLOBAL ID NO.: NA

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.: 110314-GL1

SAMPLER NAME(S) (Print): G. 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://craiabedduplload.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°

SAMPLE ID

LAB USE ONLY		PROJECT NUMBER	DATE (MMDDYY)	SAMPLER INITIALS	WELL ID	TIME	MATRIX	HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.
	GW -	060616	031411	GL	MW-1	1050	WG	X	X		X		15

REQUESTED ANALYSIS

Analysis	MW-1
NWTPH-Gx	X
NWTPH-Dx w/Silica Gel Cleanup	X
BTEX (8260B)	
5 Oxygenates, MTBE, TBA, DIPE, TAME, ETBE (8260B)	
EDC (8260B)	
EDB (8011)	X
Total Lead (6020)	
PCBs (8082)	
PAHs (8070 SIM)	X
VOCs Full list (8260B)	X
Pest (8080)	
NWTPH-VPH	
NWTPH-EPH	
n-Hexane (9071B)	
Total and Dissolved RCRA 8 Metals (6020/7470A)	X
Hexavalent Chromium (SM 3500-CrB)	X
TPH-O	X

Container PID Readings or Laboratory Notes

NUC2276
03/29/11 23:59

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
G Lane	Shipped by Fed Ex	3/14/11	1700
	[signature]	3/15/11	08:30

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: NUG0179
Client Project/Site: SAP 174665
Client Project Description:
6317 NE 4th Plain Blvd, Vancouver, WA

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

Attn: Brian Richardson

Authorized for release by:
07/18/2011 08:13:34 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

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QC Association 23
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Certification Summary 29
Chain of Custody 30

Sample Summary

Client: Conestoga-Rovers & Asso. (Everett)/ Shell
Project/Site: SAP 174665

TestAmerica Job ID: NUG0179

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
NUG0179-01	GW-060616-SL-MW-1	Ground Water	06/29/11 09:55	07/01/11 08:30

Client: Conestoga-Rovers & Asso. (Everett)/ Shell
Project/Site: SAP 174665

TestAmerica Job ID: NUG0179

Qualifiers

GCMS Volatiles

Qualifier	Qualifier Description
M7	The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
R2	The RPD exceeded the acceptance limit.

GCMS Semivolatiles

Qualifier	Qualifier Description
MNR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike.
Z2	Surrogate recovery was above the acceptance limits. Data not impacted.

GC Semivolatiles

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

Pesticides

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

WetChem

Qualifier	Qualifier Description
H3	Sample was received and analyzed past holding time.

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: Conestoga-Rovers & Asso. (Everett)/ Shell
Project/Site: SAP 174665

TestAmerica Job ID: NUG0179

Client Sample ID: GW-060616-SL-MW-1
Date Collected: 06/29/11 09:55
Date Received: 07/01/11 08:30

Lab Sample ID: NUG0179-01
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50.0		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
Benzene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
Bromobenzene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
Bromochloromethane	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
Bromodichloromethane	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
Bromoform	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
Bromomethane	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
2-Butanone	ND		50.0		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
sec-Butylbenzene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
n-Butylbenzene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
tert-Butylbenzene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
Carbon disulfide	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
Carbon Tetrachloride	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
Chlorobenzene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
Chlorodibromomethane	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
Chloroethane	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
Chloroform	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
Chloromethane	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
2-Chlorotoluene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
4-Chlorotoluene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
1,2-Dibromo-3-chloropropane	ND		5.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
1,2-Dibromoethane (EDB)	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
Dibromomethane	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
1,4-Dichlorobenzene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
1,3-Dichlorobenzene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
1,2-Dichlorobenzene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
Dichlorodifluoromethane	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
1,1-Dichloroethane	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
1,2-Dichloroethane	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
cis-1,2-Dichloroethene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
1,1-Dichloroethene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
trans-1,2-Dichloroethene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
1,3-Dichloropropane	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
1,2-Dichloropropane	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
2,2-Dichloropropane	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
cis-1,3-Dichloropropene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
trans-1,3-Dichloropropene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
1,1-Dichloropropene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
Ethylbenzene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
Hexachlorobutadiene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
2-Hexanone	ND		50.0		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
Isopropylbenzene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
p-Isopropyltoluene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
Methyl tert-Butyl Ether	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
Methylene Chloride	ND		5.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
4-Methyl-2-pentanone	ND		10.0		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
Naphthalene	ND		5.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
n-Propylbenzene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
Styrene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00

Client Sample ID: GW-060616-SL-MW-1
Date Collected: 06/29/11 09:55
Date Received: 07/01/11 08:30

Lab Sample ID: NUG0179-01
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
Tetrachloroethene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
Toluene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
1,2,3-Trichlorobenzene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
1,2,4-Trichlorobenzene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
1,1,2-Trichloroethane	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
1,1,1-Trichloroethane	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
Trichloroethene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
Trichlorofluoromethane	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
1,2,3-Trichloropropane	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
1,3,5-Trimethylbenzene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
1,2,4-Trimethylbenzene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
Vinyl chloride	ND		1.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00
Xylenes, total	ND		3.00		ug/L		07/02/11 17:00	07/02/11 23:42	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*100*		*63 - 140*	*07/02/11 17:00*	*07/02/11 23:42*	*1.00*
Dibromofluoromethane	*109*		*73 - 131*	*07/02/11 17:00*	*07/02/11 23:42*	*1.00*
Toluene-d8	*94*		*80 - 120*	*07/02/11 17:00*	*07/02/11 23:42*	*1.00*
4-Bromofluorobenzene	*100*		*79 - 125*	*07/02/11 17:00*	*07/02/11 23:42*	*1.00*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo (a) anthracene	ND		0.103		ug/L		07/02/11 11:55	07/05/11 09:17	1.00
Benzo (a) pyrene	ND		0.103		ug/L		07/02/11 11:55	07/05/11 09:17	1.00
Benzo (b) fluoranthene	ND		0.103		ug/L		07/02/11 11:55	07/05/11 09:17	1.00
Benzo (k) fluoranthene	ND		0.103		ug/L		07/02/11 11:55	07/05/11 09:17	1.00
Chrysene	ND		0.103		ug/L		07/02/11 11:55	07/05/11 09:17	1.00
Dibenz (a,h) anthracene	ND		0.103		ug/L		07/02/11 11:55	07/05/11 09:17	1.00
Indeno (1,2,3-cd) pyrene	ND		0.103		ug/L		07/02/11 11:55	07/05/11 09:17	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*81*		*27 - 120*	*07/02/11 11:55*	*07/05/11 09:17*	*1.00*
2-Fluorobiphenyl	*79*		*29 - 120*	*07/02/11 11:55*	*07/05/11 09:17*	*1.00*
Terphenyl-d14	*117*		*13 - 120*	*07/02/11 11:55*	*07/05/11 09:17*	*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		06/30/11 09:55	07/13/11 16:31	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*113*		*50 - 150*	*06/30/11 09:55*	*07/13/11 16:31*	*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		07/06/11 07:30	07/08/11 07:23	1.00
Motor Oil	ND		243		ug/L		07/06/11 07:30	07/08/11 07:23	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*108*		*50 - 150*	*07/06/11 07:30*	*07/08/11 07:23*	*1.00*

Client Sample ID: GW-060616-SL-MW-1
Date Collected: 06/29/11 09:55
Date Received: 07/01/11 08:30

Lab Sample ID: NUG0179-01
Matrix: Ground Water

Method: SW846 8011 - EDB by EPA Method 8011

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		0.02006	0.005014	ug/L		07/05/11 11:18	07/07/11 23:19	1.000

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,3-Dichlorobenzene	*96*		*47 - 150*	*07/05/11 11:18*	*07/07/11 23:19*	*1.000*

Method: SW846 6020 - Dissolved Metals by Method 6020 - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.00		ug/L		07/11/11 19:54	07/13/11 21:39	1.00
Barium	**10.2**		2.00		ug/L		07/11/11 19:54	07/13/11 21:39	1.00
Cadmium	ND		1.00		ug/L		07/11/11 19:54	07/13/11 21:39	1.00
Chromium	ND		2.00		ug/L		07/11/11 19:54	07/13/11 21:39	1.00
Lead	ND		2.00		ug/L		07/11/11 19:54	07/13/11 21:39	1.00
Selenium	ND		2.00		ug/L		07/11/11 19:54	07/13/11 21:39	1.00
Silver	ND		2.00		ug/L		07/11/11 19:54	07/13/11 21:39	1.00

Method: SW846 6020 - Total Metals by Method 6020

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.00		ug/L		07/11/11 19:54	07/13/11 20:24	1.00
Barium	**15.7**		2.00		ug/L		07/11/11 19:54	07/13/11 20:24	1.00
Cadmium	ND		1.00		ug/L		07/11/11 19:54	07/13/11 20:24	1.00
Chromium	ND		2.00		ug/L		07/11/11 19:54	07/13/11 20:24	1.00
Lead	ND		2.00		ug/L		07/11/11 19:54	07/13/11 20:24	1.00
Selenium	ND		2.00		ug/L		07/11/11 19:54	07/13/11 20:24	1.00
Silver	ND		2.00		ug/L		07/11/11 19:54	07/13/11 20:24	1.00

Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200		mg/L		07/11/11 09:55	07/12/11 10:55	1.00

Method: SW846 7470A - Mercury by EPA Methods 7470A/7471A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200		mg/L		07/07/11 11:00	07/08/11 11:49	1.00

Method: SM3500-Cr B/D - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium (VI)	ND	H3	0.0100		mg/L		07/02/11 10:00	07/02/11 10:00	1.00

Client: Conestoga-Rovers & Asso. (Everett)/ Shell
Project/Site: SAP 174665

TestAmerica Job ID: NUG0179

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

Lab Sample ID: 11G0800-BLK1
Matrix: Water
Analysis Batch: U011935

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11G0800_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50.0		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
Benzene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
Bromobenzene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
Bromochloromethane	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
Bromodichloromethane	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
Bromoform	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
Bromomethane	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
2-Butanone	ND		50.0		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
sec-Butylbenzene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
n-Butylbenzene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
tert-Butylbenzene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
Carbon disulfide	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
Carbon Tetrachloride	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
Chlorobenzene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
Chlorodibromomethane	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
Chloroethane	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
Chloroform	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
Chloromethane	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
2-Chlorotoluene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
4-Chlorotoluene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
1,2-Dibromo-3-chloropropane	ND		5.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
1,2-Dibromoethane (EDB)	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
Dibromomethane	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
1,4-Dichlorobenzene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
1,3-Dichlorobenzene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
1,2-Dichlorobenzene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
Dichlorodifluoromethane	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
1,1-Dichloroethane	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
1,2-Dichloroethane	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
cis-1,2-Dichloroethene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
1,1-Dichloroethene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
trans-1,2-Dichloroethene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
1,3-Dichloropropane	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
1,2-Dichloropropane	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
2,2-Dichloropropane	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
cis-1,3-Dichloropropene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
trans-1,3-Dichloropropene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
1,1-Dichloropropene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
Ethylbenzene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
Hexachlorobutadiene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
2-Hexanone	ND		50.0		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
Isopropylbenzene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
p-Isopropyltoluene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
Methyl tert-Butyl Ether	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
Methylene Chloride	ND		5.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
4-Methyl-2-pentanone	ND		10.0		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
Naphthalene	ND		5.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
n-Propylbenzene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
Styrene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00

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

Lab Sample ID: 11G0800-BLK1
Matrix: Water
Analysis Batch: U011935

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11G0800_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
Tetrachloroethene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
Toluene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
1,2,3-Trichlorobenzene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
1,2,4-Trichlorobenzene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
1,1,2-Trichloroethane	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
1,1,1-Trichloroethane	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
Trichloroethene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
Trichlorofluoromethane	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
1,2,3-Trichloropropane	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
1,3,5-Trimethylbenzene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
1,2,4-Trimethylbenzene	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
Vinyl chloride	ND		1.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00
Xylenes, total	ND		3.00		ug/L		07/02/11 17:00	07/02/11 19:24	1.00

Surrogate	*Blank % Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*96*		*63 - 140*	*07/02/11 17:00*	*07/02/11 19:24*	*1.00*
Dibromofluoromethane	*102*		*73 - 131*	*07/02/11 17:00*	*07/02/11 19:24*	*1.00*
Toluene-d8	*95*		*80 - 120*	*07/02/11 17:00*	*07/02/11 19:24*	*1.00*
4-Bromofluorobenzene	*97*		*79 - 125*	*07/02/11 17:00*	*07/02/11 19:24*	*1.00*

Lab Sample ID: 11G0800-BS1
Matrix: Water
Analysis Batch: U011935

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11G0800_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	250	310		ug/L		124	56 - 150
Benzene	50.0	52.8		ug/L		106	80 - 121
Bromobenzene	50.0	46.5		ug/L		93	72 - 130
Bromochloromethane	50.0	54.7		ug/L		109	73 - 137
Bromodichloromethane	50.0	45.4		ug/L		91	75 - 131
Bromoform	50.0	49.7		ug/L		99	65 - 140
Bromomethane	50.0	53.8		ug/L		108	50 - 150
2-Butanone	250	287		ug/L		115	70 - 144
sec-Butylbenzene	50.0	43.8		ug/L		88	72 - 140
n-Butylbenzene	50.0	46.4		ug/L		93	68 - 140
tert-Butylbenzene	50.0	44.4		ug/L		89	76 - 135
Carbon disulfide	50.0	47.2		ug/L		94	74 - 137
Carbon Tetrachloride	50.0	44.4		ug/L		89	71 - 137
Chlorobenzene	50.0	46.4		ug/L		93	80 - 121
Chlorodibromomethane	50.0	48.7		ug/L		97	68 - 137
Chloroethane	50.0	49.6		ug/L		99	50 - 146
Chloroform	50.0	46.6		ug/L		93	73 - 131
Chloromethane	50.0	39.6		ug/L		79	30 - 132
2-Chlorotoluene	50.0	42.2		ug/L		84	74 - 135
4-Chlorotoluene	50.0	43.6		ug/L		87	74 - 132
1,2-Dibromo-3-chloropropane	50.0	54.6		ug/L		109	56 - 145
1,2-Dibromoethane (EDB)	50.0	46.7		ug/L		93	80 - 135

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

Lab Sample ID: 11G0800-BS1
Matrix: Water
Analysis Batch: U011935

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11G0800_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Dibromomethane	50.0	49.5		ug/L		99	78 - 133
1,4-Dichlorobenzene	50.0	47.3		ug/L		95	80 - 120
1,3-Dichlorobenzene	50.0	46.7		ug/L		93	80 - 128
1,2-Dichlorobenzene	50.0	50.5		ug/L		101	80 - 125
Dichlorodifluoromethane	50.0	48.3		ug/L		97	30 - 132
1,1-Dichloroethane	50.0	46.2		ug/L		92	75 - 125
1,2-Dichloroethane	50.0	46.8		ug/L		94	70 - 134
cis-1,2-Dichloroethene	50.0	47.6		ug/L		95	71 - 132
1,1-Dichloroethene	50.0	47.2		ug/L		94	73 - 125
trans-1,2-Dichloroethene	50.0	47.8		ug/L		96	77 - 125
1,3-Dichloropropane	50.0	46.4		ug/L		93	76 - 125
1,2-Dichloropropane	50.0	43.8		ug/L		88	72 - 120
2,2-Dichloropropane	50.0	43.9		ug/L		88	50 - 150
cis-1,3-Dichloropropene	50.0	44.1		ug/L		88	70 - 140
trans-1,3-Dichloropropene	50.0	42.0		ug/L		84	62 - 139
1,1-Dichloropropene	50.0	46.2		ug/L		92	78 - 126
Ethylbenzene	50.0	44.8		ug/L		90	78 - 133
Hexachlorobutadiene	50.0	45.5		ug/L		91	70 - 150
2-Hexanone	250	250		ug/L		100	60 - 150
Isopropylbenzene	50.0	49.3		ug/L		99	69 - 120
p-Isopropyltoluene	50.0	44.2		ug/L		88	72 - 134
Methyl tert-Butyl Ether	50.0	49.8		ug/L		100	76 - 120
Methylene Chloride	50.0	56.4		ug/L		113	80 - 133
4-Methyl-2-pentanone	250	260		ug/L		104	62 - 146
Naphthalene	50.0	46.6		ug/L		93	71 - 139
n-Propylbenzene	50.0	44.3		ug/L		89	70 - 143
Styrene	50.0	46.7		ug/L		93	80 - 136
1,1,1,2-Tetrachloroethane	50.0	46.9		ug/L		94	80 - 130
1,1,2,2-Tetrachloroethane	50.0	44.7		ug/L		89	73 - 131
Tetrachloroethene	50.0	49.0		ug/L		98	77 - 131
Toluene	50.0	45.2		ug/L		90	78 - 125
1,2,3-Trichlorobenzene	50.0	48.3		ug/L		97	71 - 138
1,2,4-Trichlorobenzene	50.0	49.8		ug/L		100	74 - 136
1,1,2-Trichloroethane	50.0	48.1		ug/L		96	80 - 123
1,1,1-Trichloroethane	50.0	44.6		ug/L		89	75 - 137
Trichloroethene	50.0	52.8		ug/L		106	74 - 139
Trichlorofluoromethane	50.0	40.6		ug/L		81	60 - 133
1,2,3-Trichloropropane	50.0	48.9		ug/L		98	64 - 127
1,3,5-Trimethylbenzene	50.0	46.2		ug/L		92	75 - 134
1,2,4-Trimethylbenzene	50.0	45.7		ug/L		91	77 - 134
Vinyl chloride	50.0	45.3		ug/L		91	60 - 122
Xylenes, total	150	138		ug/L		92	78 - 134

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4	*102*		*63 - 140*
Dibromofluoromethane	*102*		*73 - 131*
Toluene-d8	*97*		*80 - 120*
4-Bromofluorobenzene	*96*		*79 - 125*

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

Lab Sample ID: 11G0800-BSD1
Matrix: Water
Analysis Batch: U011935

Client Sample ID: Lab Control Sample Dup
Prep Type: Total
Prep Batch: 11G0800_P

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acetone	250	370		ug/L		148	56 - 150	18	31
Benzene	50.0	56.5		ug/L		113	80 - 121	7	12
Bromobenzene	50.0	48.1		ug/L		96	72 - 130	3	23
Bromochloromethane	50.0	57.5		ug/L		115	73 - 137	5	32
Bromodichloromethane	50.0	47.4		ug/L		95	75 - 131	4	13
Bromoform	50.0	51.8		ug/L		104	65 - 140	4	18
Bromomethane	50.0	55.7		ug/L		111	50 - 150	3	50
2-Butanone	250	325		ug/L		130	70 - 144	12	37
sec-Butylbenzene	50.0	46.0		ug/L		92	72 - 140	5	21
n-Butylbenzene	50.0	48.8		ug/L		98	68 - 140	5	11
tert-Butylbenzene	50.0	45.2		ug/L		90	76 - 135	2	20
Carbon disulfide	50.0	50.1		ug/L		100	74 - 137	6	28
Carbon Tetrachloride	50.0	47.4		ug/L		95	71 - 137	7	26
Chlorobenzene	50.0	48.5		ug/L		97	80 - 121	4	11
Chlorodibromomethane	50.0	51.8		ug/L		104	68 - 137	6	16
Chloroethane	50.0	53.5		ug/L		107	50 - 146	7	35
Chloroform	50.0	49.7		ug/L		99	73 - 131	6	32
Chloromethane	50.0	41.7		ug/L		83	30 - 132	5	34
2-Chlorotoluene	50.0	43.6		ug/L		87	74 - 135	3	22
4-Chlorotoluene	50.0	45.2		ug/L		90	74 - 132	4	22
1,2-Dibromo-3-chloropropane	50.0	48.5		ug/L		97	56 - 145	12	21
1,2-Dibromoethane (EDB)	50.0	48.6		ug/L		97	80 - 135	4	10
Dibromomethane	50.0	54.0		ug/L		108	78 - 133	9	11
1,4-Dichlorobenzene	50.0	49.1		ug/L		98	80 - 120	4	10
1,3-Dichlorobenzene	50.0	49.1		ug/L		98	80 - 128	5	18
1,2-Dichlorobenzene	50.0	52.9		ug/L		106	80 - 125	5	11
Dichlorodifluoromethane	50.0	51.9		ug/L		104	30 - 132	7	32
1,1-Dichloroethane	50.0	48.4		ug/L		97	75 - 125	5	34
1,2-Dichloroethane	50.0	49.0		ug/L		98	70 - 134	5	25
cis-1,2-Dichloroethene	50.0	49.9		ug/L		100	71 - 132	5	32
1,1-Dichloroethene	50.0	50.0		ug/L		100	73 - 125	6	31
trans-1,2-Dichloroethene	50.0	50.8		ug/L		102	77 - 125	6	32
1,3-Dichloropropane	50.0	48.4		ug/L		97	76 - 125	4	20
1,2-Dichloropropane	50.0	45.9		ug/L		92	72 - 120	5	11
2,2-Dichloropropane	50.0	46.6		ug/L		93	50 - 150	6	11
cis-1,3-Dichloropropene	50.0	46.0		ug/L		92	70 - 140	4	35
trans-1,3-Dichloropropene	50.0	44.4		ug/L		89	62 - 139	6	26
1,1-Dichloropropene	50.0	48.4		ug/L		97	78 - 126	5	18
Ethylbenzene	50.0	46.5		ug/L		93	78 - 133	4	12
Hexachlorobutadiene	50.0	46.8		ug/L		94	70 - 150	3	21
2-Hexanone	250	272		ug/L		109	60 - 150	9	20
Isopropylbenzene	50.0	51.8		ug/L		104	69 - 120	5	15
p-Isopropyltoluene	50.0	46.4		ug/L		93	72 - 134	5	18
Methyl tert-Butyl Ether	50.0	52.9		ug/L		106	76 - 120	6	32
Methylene Chloride	50.0	60.0		ug/L		120	80 - 133	6	36
4-Methyl-2-pentanone	250	275		ug/L		110	62 - 146	6	35
Naphthalene	50.0	47.3		ug/L		95	71 - 139	1	30
n-Propylbenzene	50.0	46.0		ug/L		92	70 - 143	4	23
Styrene	50.0	49.2		ug/L		98	80 - 136	5	29

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

Lab Sample ID: 11G0800-BSD1
Matrix: Water
Analysis Batch: U011935

Client Sample ID: Lab Control Sample Dup
Prep Type: Total
Prep Batch: 11G0800_P

Analyte			Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane			50.0	49.1		ug/L		98	80 - 130	5	11
1,1,2,2-Tetrachloroethane			50.0	47.0		ug/L		94	73 - 131	5	28
Tetrachloroethene			50.0	51.4		ug/L		103	77 - 131	5	16
Toluene			50.0	47.9		ug/L		96	78 - 125	6	35
1,2,3-Trichlorobenzene			50.0	48.7		ug/L		97	71 - 138	0.9	28
1,2,4-Trichlorobenzene			50.0	47.9		ug/L		96	74 - 136	4	23
1,1,2-Trichloroethane			50.0	50.2		ug/L		100	80 - 123	4	21
1,1,1-Trichloroethane			50.0	47.4		ug/L		95	75 - 137	6	29
Trichloroethene			50.0	55.7		ug/L		111	74 - 139	5	11
Trichlorofluoromethane			50.0	44.2		ug/L		88	60 - 133	8	33
1,2,3-Trichloropropane			50.0	52.4		ug/L		105	64 - 127	7	25
1,3,5-Trimethylbenzene			50.0	48.2		ug/L		96	75 - 134	4	21
1,2,4-Trimethylbenzene			50.0	47.0		ug/L		94	77 - 134	3	20
Vinyl chloride			50.0	48.6		ug/L		97	60 - 122	7	32
Xylenes, total			150	143		ug/L		96	78 - 134	4	18

Surrogate	*LCS Dup % Recovery*	*LCS Dup Qualifier*	*Limits*
1,2-Dichloroethane-d4	*101*		*63 - 140*
Dibromofluoromethane	*102*		*73 - 131*
Toluene-d8	*98*		*80 - 120*
4-Bromofluorobenzene	*93*		*79 - 125*

Lab Sample ID: 11G0800-MS1
Matrix: Water
Analysis Batch: U011935

Client Sample ID: Matrix Spike
Prep Type: Total
Prep Batch: 11G0800_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	ND		1250	1810		ug/L		145	56 - 150
Benzene	ND		250	379		ug/L		151	65 - 151
Bromobenzene	ND		250	265		ug/L		106	69 - 142
Bromochloromethane	ND		250	316		ug/L		127	64 - 154
Bromodichloromethane	ND		250	262		ug/L		105	75 - 138
Bromoform	ND		250	284		ug/L		114	55 - 153
Bromomethane	ND		250	177		ug/L		71	13 - 176
2-Butanone	ND		1250	1730		ug/L		138	45 - 164
sec-Butylbenzene	ND		250	269		ug/L		108	68 - 159
n-Butylbenzene	13.9		250	300		ug/L		115	67 - 151
tert-Butylbenzene	ND		250	264		ug/L		105	73 - 153
Carbon disulfide	ND		250	209		ug/L		83	33 - 187
Carbon Tetrachloride	ND		250	261		ug/L		104	64 - 157
Chlorobenzene	ND		250	269		ug/L		108	78 - 136
Chlorodibromomethane	ND		250	276		ug/L		110	64 - 145
Chloroethane	ND		250	337		ug/L		135	48 - 159
Chloroform	ND		250	279		ug/L		112	72 - 145
Chloromethane	ND		250	202		ug/L		81	10 - 194
2-Chlorotoluene	ND		250	278		ug/L		111	66 - 155
4-Chlorotoluene	ND		250	255		ug/L		102	69 - 149
1,2-Dibromo-3-chloropropane	ND		250	321		ug/L		128	49 - 162
1,2-Dibromoethane (EDB)	ND		250	270		ug/L		108	70 - 152

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

Lab Sample ID: 11G0800-MS1
Matrix: Water
Analysis Batch: U011935

Client Sample ID: Matrix Spike
Prep Type: Total
Prep Batch: 11G0800_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits
Dibromomethane	ND		250	292		ug/L		117	75 - 141
1,4-Dichlorobenzene	ND		250	277		ug/L		111	75 - 135
1,3-Dichlorobenzene	ND		250	279		ug/L		112	72 - 146
1,2-Dichlorobenzene	ND		250	303		ug/L		121	80 - 136
Dichlorodifluoromethane	ND		250	228		ug/L		91	23 - 159
1,1-Dichloroethane	ND		250	272		ug/L		109	64 - 154
1,2-Dichloroethane	ND		250	273		ug/L		109	72 - 137
cis-1,2-Dichloroethene	ND		250	276		ug/L		110	57 - 154
1,1-Dichloroethene	ND		250	268		ug/L		107	34 - 151
trans-1,2-Dichloroethene	ND		250	256		ug/L		103	57 - 157
1,3-Dichloropropane	ND		250	272		ug/L		109	71 - 137
1,2-Dichloropropane	ND		250	256		ug/L		102	71 - 139
2,2-Dichloropropane	ND		250	277		ug/L		111	10 - 198
cis-1,3-Dichloropropene	ND		250	247		ug/L		99	56 - 156
trans-1,3-Dichloropropene	ND		250	239		ug/L		96	47 - 157
1,1-Dichloropropene	ND		250	264		ug/L		105	70 - 155
Ethylbenzene	9.75		250	329		ug/L		128	68 - 157
Hexachlorobutadiene	ND		250	285		ug/L		114	47 - 173
2-Hexanone	ND		1250	1510		ug/L		121	57 - 154
Isopropylbenzene	3.20		250	306		ug/L		121	69 - 139
p-Isopropyltoluene	ND		250	265		ug/L		106	69 - 151
Methyl tert-Butyl Ether	ND		250	289		ug/L		116	56 - 152
Methylene Chloride	ND		250	328		ug/L		131	71 - 136
4-Methyl-2-pentanone	ND		1250	1590		ug/L		127	62 - 159
Naphthalene	8.65		250	294		ug/L		114	56 - 161
n-Propylbenzene	9.65		250	269		ug/L		104	61 - 167
Styrene	ND		250	289		ug/L		116	69 - 150
1,1,1,2-Tetrachloroethane	ND		250	280		ug/L		112	80 - 140
1,1,2,2-Tetrachloroethane	ND		250	283		ug/L		113	76 - 141
Tetrachloroethene	ND		250	278		ug/L		111	63 - 155
Toluene	5.00		250	265		ug/L		104	61 - 153
1,2,3-Trichlorobenzene	ND		250	278		ug/L		111	57 - 155
1,2,4-Trichlorobenzene	ND		250	298		ug/L		119	64 - 147
1,1,2-Trichloroethane	ND		250	284		ug/L		114	74 - 138
1,1,1-Trichloroethane	ND		250	269		ug/L		107	78 - 153
Trichloroethene	ND		250	286		ug/L		114	74 - 139
Trichlorofluoromethane	ND		250	250		ug/L		100	53 - 149
1,2,3-Trichloropropane	ND		250	301		ug/L		121	49 - 148
1,3,5-Trimethylbenzene	87.6		250	353		ug/L		106	67 - 151
1,2,4-Trimethylbenzene	234		250	473		ug/L		95	69 - 150
Vinyl chloride	ND		250	230		ug/L		92	53 - 137
Xylenes, total	171		750	1470	M7	ug/L		173	68 - 158

Surrogate	*Matrix Spike % Recovery*	*Matrix Spike Qualifier*	*Limits*
1,2-Dichloroethane-d4	*96*		*63 - 140*
Dibromofluoromethane	*104*		*73 - 131*
Toluene-d8	*96*		*80 - 120*
4-Bromofluorobenzene	*94*		*79 - 125*

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

Lab Sample ID: 11G0800-MSD1
Matrix: Water
Analysis Batch: U011935

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total
Prep Batch: 11G0800_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acetone	ND		1250	1980	M7	ug/L		158	56 - 150	9	31
Benzene	ND		250	328	R2	ug/L		131	65 - 151	14	12
Bromobenzene	ND		250	279		ug/L		112	69 - 142	5	23
Bromochloromethane	ND		250	340		ug/L		136	64 - 154	7	32
Bromodichloromethane	ND		250	283		ug/L		113	75 - 138	8	13
Bromoform	ND		250	309		ug/L		124	55 - 153	8	18
Bromomethane	ND		250	229		ug/L		92	13 - 176	25	50
2-Butanone	ND		1250	1890		ug/L		151	45 - 164	9	37
sec-Butylbenzene	ND		250	276		ug/L		110	68 - 159	3	21
n-Butylbenzene	13.9		250	306		ug/L		117	67 - 151	2	11
tert-Butylbenzene	ND		250	274		ug/L		110	73 - 153	4	20
Carbon disulfide	ND		250	216		ug/L		86	33 - 187	3	28
Carbon Tetrachloride	ND		250	275		ug/L		110	64 - 157	5	26
Chlorobenzene	ND		250	284		ug/L		113	78 - 136	5	11
Chlorodibromomethane	ND		250	303		ug/L		121	64 - 145	9	16
Chloroethane	ND		250	331		ug/L		132	48 - 159	2	35
Chloroform	ND		250	292		ug/L		117	72 - 145	5	32
Chloromethane	ND		250	199		ug/L		79	10 - 194	2	34
2-Chlorotoluene	ND		250	287		ug/L		115	66 - 155	3	22
4-Chlorotoluene	ND		250	267		ug/L		107	69 - 149	5	22
1,2-Dibromo-3-chloropropane	ND		250	347		ug/L		139	49 - 162	8	21
1,2-Dibromoethane (EDB)	ND		250	294		ug/L		117	70 - 152	8	10
Dibromomethane	ND		250	316		ug/L		126	75 - 141	8	11
1,4-Dichlorobenzene	ND		250	293		ug/L		117	75 - 135	6	10
1,3-Dichlorobenzene	ND		250	295		ug/L		118	72 - 146	6	18
1,2-Dichlorobenzene	ND		250	320		ug/L		128	80 - 136	6	11
Dichlorodifluoromethane	ND		250	229		ug/L		92	23 - 159	0.2	32
1,1-Dichloroethane	ND		250	284		ug/L		114	64 - 154	4	34
1,2-Dichloroethane	ND		250	290		ug/L		116	72 - 137	6	25
cis-1,2-Dichloroethene	ND		250	291		ug/L		116	57 - 154	5	32
1,1-Dichloroethene	ND		250	270		ug/L		108	34 - 151	0.5	31
trans-1,2-Dichloroethene	ND		250	269		ug/L		107	57 - 157	5	32
1,3-Dichloropropane	ND		250	285		ug/L		114	71 - 137	5	20
1,2-Dichloropropane	ND		250	269		ug/L		107	71 - 139	5	11
2,2-Dichloropropane	ND		250	282		ug/L		113	10 - 198	2	11
cis-1,3-Dichloropropene	ND		250	263		ug/L		105	56 - 156	6	35
trans-1,3-Dichloropropene	ND		250	254		ug/L		101	47 - 157	6	26
1,1-Dichloropropene	ND		250	273		ug/L		109	70 - 155	3	18
Ethylbenzene	9.75		250	296		ug/L		114	68 - 157	10	12
Hexachlorobutadiene	ND		250	294		ug/L		118	47 - 173	3	21
2-Hexanone	ND		1250	1610		ug/L		129	57 - 154	7	20
Isopropylbenzene	3.20		250	311		ug/L		123	69 - 139	2	15
p-Isopropyltoluene	ND		250	271		ug/L		109	69 - 151	3	18
Methyl tert-Butyl Ether	ND		250	311		ug/L		125	56 - 152	7	32
Methylene Chloride	ND		250	341		ug/L		136	71 - 136	4	36
4-Methyl-2-pentanone	ND		1250	1700		ug/L		136	62 - 159	7	35
Naphthalene	8.65		250	315		ug/L		122	56 - 161	7	30
n-Propylbenzene	9.65		250	276		ug/L		107	61 - 167	3	23
Styrene	ND		250	294		ug/L		118	69 - 150	2	29

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

Lab Sample ID: 11G0800-MSD1
Matrix: Water
Analysis Batch: U011935

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total
Prep Batch: 11G0800_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		250	296		ug/L		118	80 - 140	6	11
1,1,2,2-Tetrachloroethane	ND		250	300		ug/L		120	76 - 141	6	28
Tetrachloroethene	ND		250	285		ug/L		114	63 - 155	2	16
Toluene	5.00		250	274		ug/L		108	61 - 153	4	35
1,2,3-Trichlorobenzene	ND		250	295		ug/L		118	57 - 155	6	28
1,2,4-Trichlorobenzene	ND		250	316		ug/L		126	64 - 147	6	23
1,1,2-Trichloroethane	ND		250	309		ug/L		124	74 - 138	8	21
1,1,1-Trichloroethane	ND		250	274		ug/L		110	78 - 153	2	29
Trichloroethene	ND		250	302		ug/L		121	74 - 139	5	11
Trichlorofluoromethane	ND		250	256		ug/L		103	53 - 149	2	33
1,2,3-Trichloropropane	ND		250	325		ug/L		130	49 - 148	8	25
1,3,5-Trimethylbenzene	87.6		250	366		ug/L		111	67 - 151	3	21
1,2,4-Trimethylbenzene	234		250	498		ug/L		105	69 - 150	5	20
Vinyl chloride	ND		250	232		ug/L		93	53 - 137	0.6	32
Xylenes, total	171		750	1150	R2	ug/L		130	68 - 158	25	18

Surrogate	*Matrix Spike Dup % Recovery*	*Matrix Spike Dup Qualifier*	*Limits*
1,2-Dichloroethane-d4	*109*		*63 - 140*
Dibromofluoromethane	*105*		*73 - 131*
Toluene-d8	*97*		*80 - 120*
4-Bromofluorobenzene	*92*		*79 - 125*

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

Lab Sample ID: 11G0343-BLK1
Matrix: Water
Analysis Batch: 11G0343

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11G0343_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.100		ug/L		07/02/11 11:55	07/05/11 06:48	1.00
Acenaphthylene	ND		0.100		ug/L		07/02/11 11:55	07/05/11 06:48	1.00
Anthracene	ND		0.100		ug/L		07/02/11 11:55	07/05/11 06:48	1.00
Benzo (a) anthracene	ND		0.100		ug/L		07/02/11 11:55	07/05/11 06:48	1.00
Benzo (a) pyrene	ND		0.100		ug/L		07/02/11 11:55	07/05/11 06:48	1.00
Benzo (b) fluoranthene	ND		0.100		ug/L		07/02/11 11:55	07/05/11 06:48	1.00
Benzo (g,h,i) perylene	ND		0.100		ug/L		07/02/11 11:55	07/05/11 06:48	1.00
Benzo (k) fluoranthene	ND		0.100		ug/L		07/02/11 11:55	07/05/11 06:48	1.00
Chrysene	ND		0.100		ug/L		07/02/11 11:55	07/05/11 06:48	1.00
Dibenz (a,h) anthracene	ND		0.100		ug/L		07/02/11 11:55	07/05/11 06:48	1.00
Fluoranthene	ND		0.100		ug/L		07/02/11 11:55	07/05/11 06:48	1.00
Fluorene	ND		0.100		ug/L		07/02/11 11:55	07/05/11 06:48	1.00
Indeno (1,2,3-cd) pyrene	ND		0.100		ug/L		07/02/11 11:55	07/05/11 06:48	1.00
1-Methylnaphthalene	ND		0.100		ug/L		07/02/11 11:55	07/05/11 06:48	1.00
2-Methylnaphthalene	ND		0.100		ug/L		07/02/11 11:55	07/05/11 06:48	1.00
Naphthalene	ND		0.100		ug/L		07/02/11 11:55	07/05/11 06:48	1.00
Phenanthrene	ND		0.100		ug/L		07/02/11 11:55	07/05/11 06:48	1.00
Pyrene	ND		0.100		ug/L		07/02/11 11:55	07/05/11 06:48	1.00

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

Lab Sample ID: 11G0343-BLK1
Matrix: Water
Analysis Batch: 11G0343

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11G0343_P

Surrogate	Blank % Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	*77*		*27 - 120*	*07/02/11 11:55*	*07/05/11 06:48*	*1.00*
2-Fluorobiphenyl	*79*		*29 - 120*	*07/02/11 11:55*	*07/05/11 06:48*	*1.00*
Terphenyl-d14	*125*	*Z2*	*13 - 120*	*07/02/11 11:55*	*07/05/11 06:48*	*1.00*

Lab Sample ID: 11G0343-BS1
Matrix: Water
Analysis Batch: 11G0343

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11G0343_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acenaphthene	1.00	0.820	MNR1	ug/L		82	43 - 122
Acenaphthylene	1.00	0.850	MNR1	ug/L		85	43 - 129
Anthracene	1.00	0.810	MNR1	ug/L		81	50 - 138
Benzo (a) anthracene	1.00	0.890	MNR1	ug/L		89	50 - 135
Benzo (a) pyrene	1.00	0.940	MNR1	ug/L		94	46 - 136
Benzo (b) fluoranthene	1.00	0.820	MNR1	ug/L		82	37 - 147
Benzo (g,h,i) perylene	1.00	0.730	MNR1	ug/L		73	30 - 145
Benzo (k) fluoranthene	1.00	0.850	MNR1	ug/L		85	47 - 135
Chrysene	1.00	0.870	MNR1	ug/L		87	47 - 138
Dibenz (a,h) anthracene	1.00	0.850	MNR1	ug/L		85	36 - 144
Fluoranthene	1.00	0.790	MNR1	ug/L		79	51 - 139
Fluorene	1.00	0.830	MNR1	ug/L		83	47 - 128
Indeno (1,2,3-cd) pyrene	1.00	0.860	MNR1	ug/L		86	32 - 142
1-Methylnaphthalene	1.00	0.660	MNR1	ug/L		66	37 - 126
2-Methylnaphthalene	1.00	0.780	MNR1	ug/L		78	41 - 121
Naphthalene	1.00	0.890	MNR1	ug/L		89	38 - 120
Phenanthrene	1.00	0.920	MNR1	ug/L		92	45 - 133
Pyrene	1.00	0.930	MNR1	ug/L		93	50 - 146

Surrogate	LCS % Recovery	LCS Qualifier	Limits
Nitrobenzene-d5	*73*		*27 - 120*
2-Fluorobiphenyl	*76*		*29 - 120*
Terphenyl-d14	*113*		*13 - 120*

Lab Sample ID: 11G0343-BSD1
Matrix: Water
Analysis Batch: 11G0343

Client Sample ID: Lab Control Sample Dup
Prep Type: Total
Prep Batch: 11G0343_P

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Acenaphthene	1.00	0.820		ug/L		82	43 - 122	0	35
Acenaphthylene	1.00	0.870		ug/L		87	43 - 129	2	31
Anthracene	1.00	0.820		ug/L		82	50 - 138	1	38
Benzo (a) anthracene	1.00	0.870		ug/L		87	50 - 135	2	50
Benzo (a) pyrene	1.00	0.940		ug/L		94	46 - 136	0	50
Benzo (b) fluoranthene	1.00	0.800		ug/L		80	37 - 147	2	50
Benzo (g,h,i) perylene	1.00	0.710		ug/L		71	30 - 145	3	50
Benzo (k) fluoranthene	1.00	0.870		ug/L		87	47 - 135	2	50
Chrysene	1.00	0.880		ug/L		88	47 - 138	1	50
Dibenz (a,h) anthracene	1.00	0.830		ug/L		83	36 - 144	2	50
Fluoranthene	1.00	0.770		ug/L		77	51 - 139	3	40

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

Lab Sample ID: 11G0343-BSD1
Matrix: Water
Analysis Batch: 11G0343

Client Sample ID: Lab Control Sample Dup
Prep Type: Total
Prep Batch: 11G0343_P

Analyte			Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Fluorene			1.00	0.850		ug/L		85	47 - 128	2	39
Indeno (1,2,3-cd) pyrene			1.00	0.840		ug/L		84	32 - 142	2	50
1-Methylnaphthalene			1.00	0.660		ug/L		66	37 - 126	0	27
2-Methylnaphthalene			1.00	0.780		ug/L		78	41 - 121	0	29
Naphthalene			1.00	0.880		ug/L		88	38 - 120	1	32
Phenanthrene			1.00	0.940		ug/L		94	45 - 133	2	47
Pyrene			1.00	0.950		ug/L		95	50 - 146	2	37

Surrogate	*LCS Dup % Recovery*	*LCS Dup Qualifier*	*Limits*
Nitrobenzene-d5	*73*		*27 - 120*
2-Fluorobiphenyl	*76*		*29 - 120*
Terphenyl-d14	*116*		*13 - 120*

Method: NWTPH-Gx - Purgeable Petroleum Hydrocarbons

Lab Sample ID: 11G2708-BLK1
Matrix: Water
Analysis Batch: U012455

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11G2708_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12) NW	ND		100		ug/L		07/13/11 00:00	07/13/11 14:36	1.00

Surrogate	*Blank % Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*119*		*50 - 150*	*07/13/11 00:00*	*07/13/11 14:36*	*1.00*

Lab Sample ID: 11G2708-BS1
Matrix: Water
Analysis Batch: U012455

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11G2708_P

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
GRO (C4-C12) NW			1000	1080		ug/L		108	70 - 130		

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*110*		*50 - 150*

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

Lab Sample ID: 11G0629-BLK1
Matrix: Water
Analysis Batch: U012145

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11G0629_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel	ND		100		ug/L		07/06/11 07:30	07/08/11 05:46	1.00
Motor Oil	ND		250		ug/L		07/06/11 07:30	07/08/11 05:46	1.00

Surrogate	*Blank % Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*141*		*50 - 150*	*07/06/11 07:30*	*07/08/11 05:46*	*1.00*

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

Lab Sample ID: 11G0629-BS1
Matrix: Water
Analysis Batch: U012145

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11G0629_P

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
Diesel			1000	919	MNR1	ug/L		92	57 - 132		

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*98*		*50 - 150*

Method: SW846 8011 - EDB by EPA Method 8011

Lab Sample ID: 11G0664-BLK1
Matrix: Water
Analysis Batch: U012055

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11G0664_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	ND		0.02000	0.005000	ug/L		07/05/11 11:18	07/07/11 17:50	1.000

Surrogate	*Blank % Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,3-Dichlorobenzene	*82*		*47 - 150*	*07/05/11 11:18*	*07/07/11 17:50*	*1.000*

Lab Sample ID: 11G0664-BS1
Matrix: Water
Analysis Batch: U012055

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11G0664_P

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
1,2-Dibromoethane (EDB)			0.571	0.6286	MNR1	ug/L		110	56 - 150		

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
1,3-Dichlorobenzene	*108*		*47 - 150*

Method: SW846 6020 - Total Metals by Method 6020

Lab Sample ID: 11G2312-BLK1
Matrix: Water
Analysis Batch: 11G2312

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11G2312_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.00		ug/L		07/11/11 19:54	07/13/11 20:21	1.00
Barium	ND		2.00		ug/L		07/11/11 19:54	07/13/11 20:21	1.00
Cadmium	ND		1.00		ug/L		07/11/11 19:54	07/13/11 20:21	1.00
Chromium	ND		2.00		ug/L		07/11/11 19:54	07/13/11 20:21	1.00
Lead	ND		2.00		ug/L		07/11/11 19:54	07/13/11 20:21	1.00
Selenium	ND		2.00		ug/L		07/11/11 19:54	07/13/11 20:21	1.00
Silver	ND		2.00		ug/L		07/11/11 19:54	07/13/11 20:21	1.00

Lab Sample ID: 11G2312-BS1
Matrix: Water
Analysis Batch: 11G2312

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11G2312_P

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
Arsenic			100	89.3		ug/L		89	80 - 120		

Method: SW846 6020 - Total Metals by Method 6020 (Continued)

Lab Sample ID: 11G2312-BS1
Matrix: Water
Analysis Batch: 11G2312

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11G2312_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Barium	100	90.3		ug/L		90	80 - 120
Cadmium	100	92.4		ug/L		92	80 - 120
Chromium	100	99.4		ug/L		99	80 - 120
Lead	100	93.0		ug/L		93	80 - 120
Selenium	100	87.6		ug/L		88	80 - 120
Silver	100	108		ug/L		108	80 - 120

Lab Sample ID: 11G2312-MS1
Matrix: Water
Analysis Batch: 11G2312

Client Sample ID: GW-060616-SL-MW-1
Prep Type: Total
Prep Batch: 11G2312_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits
Arsenic	0.510		100	89.3		ug/L		89	75 - 125
Barium	15.7		100	112		ug/L		97	75 - 125
Cadmium	ND		100	93.6		ug/L		94	75 - 125
Chromium	1.12		100	99.3		ug/L		98	75 - 125
Lead	0.300		100	98.0		ug/L		98	75 - 125
Selenium	ND		100	87.3		ug/L		87	75 - 125
Silver	ND		100	120		ug/L		120	75 - 125

Lab Sample ID: 11G2312-MSD1
Matrix: Water
Analysis Batch: 11G2312

Client Sample ID: GW-060616-SL-MW-1
Prep Type: Total
Prep Batch: 11G2312_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Arsenic	0.510		100	88.9		ug/L		88	75 - 125	0.4	20
Barium	15.7		100	110		ug/L		95	75 - 125	2	20
Cadmium	ND		100	93.0		ug/L		93	75 - 125	0.7	20
Chromium	1.12		100	99.8		ug/L		99	75 - 125	0.5	20
Lead	0.300		100	97.0		ug/L		97	75 - 125	1	20
Selenium	ND		100	87.3		ug/L		87	75 - 125	0.03	20
Silver	ND		100	121		ug/L		121	75 - 125	0.6	20

Method: SW846 6020 - Dissolved Metals by Method 6020

Lab Sample ID: 11G2314-BLK1
Matrix: Water
Analysis Batch: 11G2314

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 11G2314_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.00		ug/L		07/11/11 19:54	07/13/11 21:36	1.00
Barium	ND		2.00		ug/L		07/11/11 19:54	07/13/11 21:36	1.00
Cadmium	ND		1.00		ug/L		07/11/11 19:54	07/13/11 21:36	1.00
Chromium	ND		2.00		ug/L		07/11/11 19:54	07/13/11 21:36	1.00
Lead	ND		2.00		ug/L		07/11/11 19:54	07/13/11 21:36	1.00
Selenium	ND		2.00		ug/L		07/11/11 19:54	07/13/11 21:36	1.00
Silver	ND		2.00		ug/L		07/11/11 19:54	07/13/11 21:36	1.00

Method: SW846 6020 - Dissolved Metals by Method 6020 (Continued)

Lab Sample ID: 11G2314-BS1
Matrix: Water
Analysis Batch: 11G2314

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 11G2314_P

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
Arsenic			100	89.9		ug/L		90	80 - 120		
Barium			100	98.1		ug/L		98	80 - 120		
Cadmium			100	93.2		ug/L		93	80 - 120		
Chromium			100	100		ug/L		100	80 - 120		
Lead			100	98.6		ug/L		99	80 - 120		
Selenium			100	88.6		ug/L		89	80 - 120		
Silver			100	109		ug/L		109	80 - 120		

Lab Sample ID: 11G2314-MS1
Matrix: Water
Analysis Batch: 11G2314

Client Sample ID: GW-060616-SL-MW-1
Prep Type: Dissolved
Prep Batch: 11G2314_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits		
Arsenic	0.300		100	90.0		ug/L		90	75 - 125		
Barium	10.2		100	108		ug/L		98	75 - 125		
Cadmium	ND		100	93.1		ug/L		93	75 - 125		
Chromium	0.390		100	98.8		ug/L		98	75 - 125		
Lead	ND		100	97.2		ug/L		97	75 - 125		
Selenium	ND		100	87.2		ug/L		87	75 - 125		
Silver	ND		100	108		ug/L		108	75 - 125		

Lab Sample ID: 11G2314-MSD1
Matrix: Water
Analysis Batch: 11G2314

Client Sample ID: GW-060616-SL-MW-1
Prep Type: Dissolved
Prep Batch: 11G2314_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Arsenic	0.300		100	88.8		ug/L		89	75 - 125	1	20
Barium	10.2		100	108		ug/L		98	75 - 125	0.4	20
Cadmium	ND		100	93.0		ug/L		93	75 - 125	0.1	20
Chromium	0.390		100	97.8		ug/L		97	75 - 125	0.9	20
Lead	ND		100	97.3		ug/L		97	75 - 125	0.07	20
Selenium	ND		100	87.5		ug/L		87	75 - 125	0.3	20
Silver	ND		100	120		ug/L		120	75 - 125	10	20

Method: SW846 7470A - Mercury by EPA Methods 7470A/7471A

Lab Sample ID: 11G1159-BLK1
Matrix: Water
Analysis Batch: U012242

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11G1159_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200		mg/L		07/07/11 11:00	07/08/11 11:12	1.00

Lab Sample ID: 11G1159-BS1
Matrix: Water
Analysis Batch: U012242

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11G1159_P

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
Mercury			0.00100	0.000966		mg/L		97	80 - 120		

Method: SW846 7470A - Mercury by EPA Methods 7470A/7471A (Continued)

Lab Sample ID: 11G1159-BSD1 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total**
Analysis Batch: U012242 — **Prep Batch: 11G1159_P**

Analyte			Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Mercury			0.00100	0.000899		mg/L		90	80 - 120	7	20

Lab Sample ID: 11G1159-MS1 — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total**
Analysis Batch: U012242 — **Prep Batch: 11G1159_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits
Mercury	ND		0.00100	0.00100		mg/L		100	75 - 125

Lab Sample ID: 11G1159-MSD1 — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total**
Analysis Batch: U012242 — **Prep Batch: 11G1159_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Mercury	ND		0.00100	0.000971		mg/L		97	75 - 125	3	20

Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A

Lab Sample ID: 11G2092-BLK1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 11G2092 — **Prep Batch: 11G2092_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200		mg/L		07/11/11 09:55	07/12/11 10:50	1.00

Lab Sample ID: 11G2092-BS1 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 11G2092 — **Prep Batch: 11G2092_P**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Mercury			0.00100	0.00101		mg/L		101	80 - 120

Lab Sample ID: 11G2092-MS1 — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 11G2092 — **Prep Batch: 11G2092_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits
Mercury	ND		0.00100	0.00112		mg/L		112	75 - 125

Lab Sample ID: 11G2092-MSD1 — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 11G2092 — **Prep Batch: 11G2092_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Mercury	ND		0.00100	0.00108		mg/L		108	75 - 125	4	20

Client: Conestoga-Rovers & Asso. (Everett)/ Shell
Project/Site: SAP 174665

TestAmerica Job ID: NUG0179

Method: SM3500-Cr B/D - General Chemistry Parameters

Lab Sample ID: 11G0281-BLK1
Matrix: Water
Analysis Batch: 11G0281

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11G0281_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium (VI)	ND		0.0100		mg/L		07/02/11 10:00	07/02/11 10:00	1.00

Lab Sample ID: 11G0281-DUP1
Matrix: Water
Analysis Batch: 11G0281

Client Sample ID: GW-060616-SL-MW-1
Prep Type: Total
Prep Batch: 11G0281_P

Analyte	Sample Result	Sample Qualifier		Duplicate Result	Duplicate Qualifier	Unit	D			RPD	RPD Limit
Chromium (VI)	ND	H3		ND		mg/L					10

Client: Conestoga-Rovers & Asso. (Everett)/ Shell
Project/Site: SAP 174665

TestAmerica Job ID: NUG0179

GCMS Volatiles

Analysis Batch: U011935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11G0800-BS1	Lab Control Sample	Total	Water	SW846 8260B	11G0800_P
11G0800-BSD1	Lab Control Sample Dup	Total	Water	SW846 8260B	11G0800_P
11G0800-BLK1	Method Blank	Total	Water	SW846 8260B	11G0800_P
NUG0179-01	GW-060616-SL-MW-1	Total	Ground Water	SW846 8260B	11G0800_P
11G0800-MS1	Matrix Spike	Total	Water	SW846 8260B	11G0800_P
11G0800-MSD1	Matrix Spike Duplicate	Total	Water	SW846 8260B	11G0800_P

Prep Batch: 11G0800_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11G0800-BS1	Lab Control Sample	Total	Water	EPA 5030B	
11G0800-BSD1	Lab Control Sample Dup	Total	Water	EPA 5030B	
11G0800-BLK1	Method Blank	Total	Water	EPA 5030B	
NUG0179-01	GW-060616-SL-MW-1	Total	Ground Water	EPA 5030B	
11G0800-MS1	Matrix Spike	Total	Water	EPA 5030B	
11G0800-MSD1	Matrix Spike Duplicate	Total	Water	EPA 5030B	

GCMS Semivolatiles

Analysis Batch: 11G0343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11G0343-BLK1	Method Blank	Total	Water	SW846 8270CSIM	11G0343_P
11G0343-BS1	Lab Control Sample	Total	Water	SW846 8270CSIM	11G0343_P
11G0343-BSD1	Lab Control Sample Dup	Total	Water	SW846 8270CSIM	11G0343_P
NUG0179-01	GW-060616-SL-MW-1	Total	Ground Water	SW846 8270CSIM	11G0343_P

Prep Batch: 11G0343_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11G0343-BLK1	Method Blank	Total	Water	EPA 3510C	
11G0343-BS1	Lab Control Sample	Total	Water	EPA 3510C	
11G0343-BSD1	Lab Control Sample Dup	Total	Water	EPA 3510C	
NUG0179-01	GW-060616-SL-MW-1	Total	Ground Water	EPA 3510C	

GC Volatiles

Analysis Batch: U012455

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11G2708-BS1	Lab Control Sample	Total	Water	NWTPH-Gx	11G2708_P
11G2708-BLK1	Method Blank	Total	Water	NWTPH-Gx	11G2708_P
NUG0179-01 - RE1	GW-060616-SL-MW-1	Total	Ground Water	NWTPH-Gx	11G2708_P

Prep Batch: 11G2708_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11G2708-BS1	Lab Control Sample	Total	Water	EPA 5030B (GC)	
11G2708-BLK1	Method Blank	Total	Water	EPA 5030B (GC)	
NUG0179-01 - RE1	GW-060616-SL-MW-1	Total	Ground Water	EPA 5030B (GC)	

GC Semivolatiles

Analysis Batch: U012145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11G0629-BLK1	Method Blank	Total	Water	NWTPH-Dx	11G0629_P
11G0629-BS1	Lab Control Sample	Total	Water	NWTPH-Dx	11G0629_P
NUG0179-01	GW-060616-SL-MW-1	Total	Ground Water	NWTPH-Dx	11G0629_P

Prep Batch: 11G0629_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11G0629-BLK1	Method Blank	Total	Water	EPA 3510C	
11G0629-BS1	Lab Control Sample	Total	Water	EPA 3510C	
NUG0179-01	GW-060616-SL-MW-1	Total	Ground Water	EPA 3510C	

Pesticides

Analysis Batch: U012055

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11G0664-BLK1	Method Blank	Total	Water	SW846 8011	11G0664_P
11G0664-BS1	Lab Control Sample	Total	Water	SW846 8011	11G0664_P
NUG0179-01	GW-060616-SL-MW-1	Total	Ground Water	SW846 8011	11G0664_P

Prep Batch: 11G0664_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11G0664-BLK1	Method Blank	Total	Water	EPA 8011	
11G0664-BS1	Lab Control Sample	Total	Water	EPA 8011	
NUG0179-01	GW-060616-SL-MW-1	Total	Ground Water	EPA 8011	

Metals

Analysis Batch: 11G1159

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NUG0179-01	GW-060616-SL-MW-1	Total	Ground Water	SW846 7470A	11G1159_P

Analysis Batch: 11G2092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11G2092-BLK1	Method Blank	Dissolved	Water	SW846 7470A	11G2092_P
11G2092-BS1	Lab Control Sample	Dissolved	Water	SW846 7470A	11G2092_P
NUG0179-01	GW-060616-SL-MW-1	Dissolved	Ground Water	SW846 7470A	11G2092_P
11G2092-MS1	Matrix Spike	Dissolved	Water	SW846 7470A	11G2092_P
11G2092-MSD1	Matrix Spike Duplicate	Dissolved	Water	SW846 7470A	11G2092_P

Analysis Batch: 11G2312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11G2312-BS1	Lab Control Sample	Total	Water	SW846 6020	11G2312_P
11G2312-BLK1	Method Blank	Total	Water	SW846 6020	11G2312_P
NUG0179-01	GW-060616-SL-MW-1	Total	Ground Water	SW846 6020	11G2312_P
11G2312-MS1	GW-060616-SL-MW-1	Total	Water	SW846 6020	11G2312_P
11G2312-MSD1	GW-060616-SL-MW-1	Total	Water	SW846 6020	11G2312_P

Analysis Batch: 11G2314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11G2314-BS1	Lab Control Sample	Dissolved	Water	SW846 6020	11G2314_P
11G2314-BLK1	Method Blank	Dissolved	Water	SW846 6020	11G2314_P
NUG0179-01	GW-060616-SL-MW-1	Dissolved	Ground Water	SW846 6020	11G2314_P
11G2314-MS1	GW-060616-SL-MW-1	Dissolved	Water	SW846 6020	11G2314_P

Metals (Continued)

Analysis Batch: 11G2314 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11G2314-MSD1	GW-060616-SL-MW-1	Dissolved	Water	SW846 6020	11G2314_P

Analysis Batch: U012242

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11G1159-BLK1	Method Blank	Total	Water	SW846 7470A	11G1159_P
11G1159-BS1	Lab Control Sample	Total	Water	SW846 7470A	11G1159_P
11G1159-BSD1	Lab Control Sample Dup	Total	Water	SW846 7470A	11G1159_P
11G1159-MS1	Matrix Spike	Total	Water	SW846 7470A	11G1159_P
11G1159-MSD1	Matrix Spike Duplicate	Total	Water	SW846 7470A	11G1159_P

Prep Batch: 11G1159_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11G1159-BLK1	Method Blank	Total	Water	EPA 7470	
11G1159-BS1	Lab Control Sample	Total	Water	EPA 7470	
11G1159-BSD1	Lab Control Sample Dup	Total	Water	EPA 7470	
11G1159-MS1	Matrix Spike	Total	Water	EPA 7470	
11G1159-MSD1	Matrix Spike Duplicate	Total	Water	EPA 7470	
NUG0179-01	GW-060616-SL-MW-1	Total	Ground Water	EPA 7470	

Prep Batch: 11G2092_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11G2092-BLK1	Method Blank	Dissolved	Water	EPA 7470	
11G2092-BS1	Lab Control Sample	Dissolved	Water	EPA 7470	
NUG0179-01	GW-060616-SL-MW-1	Dissolved	Ground Water	EPA 7470	
11G2092-MS1	Matrix Spike	Dissolved	Water	EPA 7470	
11G2092-MSD1	Matrix Spike Duplicate	Dissolved	Water	EPA 7470	

Prep Batch: 11G2312_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11G2312-BS1	Lab Control Sample	Total	Water	EPA 3010A / 6020	
11G2312-BLK1	Method Blank	Total	Water	EPA 3010A / 6020	
NUG0179-01	GW-060616-SL-MW-1	Total	Ground Water	EPA 3010A / 6020	
11G2312-MS1	GW-060616-SL-MW-1	Total	Water	EPA 3010A / 6020	
11G2312-MSD1	GW-060616-SL-MW-1	Total	Water	EPA 3010A / 6020	

Prep Batch: 11G2314_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11G2314-BS1	Lab Control Sample	Dissolved	Water	EPA 3010A / 6020 Dissolved	
11G2314-BLK1	Method Blank	Dissolved	Water	EPA 3010A / 6020 Dissolved	
NUG0179-01	GW-060616-SL-MW-1	Dissolved	Ground Water	EPA 3010A / 6020 Dissolved	
11G2314-MS1	GW-060616-SL-MW-1	Dissolved	Water	EPA 3010A / 6020 Dissolved	
11G2314-MSD1	GW-060616-SL-MW-1	Dissolved	Water	EPA 3010A / 6020 Dissolved	

QC Association Summary

Client: Conestoga-Rovers & Asso. (Everett)/ Shell
Project/Site: SAP 174665

TestAmerica Job ID: NUG0179

WetChem

Analysis Batch: 11G0281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11G0281-BLK1	Method Blank	Total	Water	SM3500-Cr B/D	11G0281_P
11G0281-BS1	Lab Control Sample	Total	Water	SM3500-Cr B/D	11G0281_P
11G0281-DUP1	GW-060616-SL-MW-1	Total	Water	SM3500-Cr B/D	11G0281_P
11G0281-MS1	GW-060616-SL-MW-1	Total	Water	SM3500-Cr B/D	11G0281_P
11G0281-MSD1	GW-060616-SL-MW-1	Total	Water	SM3500-Cr B/D	11G0281_P
NUG0179-01	GW-060616-SL-MW-1	Total	Ground Water	SM3500-Cr B/D	11G0281_P

Prep Batch: 11G0281_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11G0281-BLK1	Method Blank	Total	Water	NO PREP	
11G0281-BS1	Lab Control Sample	Total	Water	NO PREP	
11G0281-DUP1	GW-060616-SL-MW-1	Total	Water	NO PREP	
11G0281-MS1	GW-060616-SL-MW-1	Total	Water	NO PREP	
11G0281-MSD1	GW-060616-SL-MW-1	Total	Water	NO PREP	
NUG0179-01	GW-060616-SL-MW-1	Total	Ground Water	NO PREP	

Client: Conestoga-Rovers & Asso. (Everett)/ Shell
Project/Site: SAP 174665

TestAmerica Job ID: NUG0179

Client Sample ID: GW-060616-SL-MW-1
Date Collected: 06/29/11 09:55
Date Received: 07/01/11 08:30

Lab Sample ID: NUG0179-01
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	11G0800_P	07/02/11 17:00	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	U011935	07/02/11 23:42	CMM	TAL NSH
Total	Prep	EPA 3510C		1.03	11G0343_P	07/02/11 11:55	MAH	TAL NSH
Total	Analysis	SW846 8270CSIM		1.00	11G0343	07/05/11 09:17	BES	TAL NSH
Total	Prep	EPA 5030B (GC)	RE1	1.00	11G2708_P	06/30/11 09:55	AMC2	TAL NSH
Total	Analysis	NWTPH-Gx	RE1	1.00	U012455	07/13/11 16:31	AMC2	TAL NSH
Total	Prep	EPA 3510C		0.971	11G0629_P	07/06/11 07:30	JJR	TAL NSH
Total	Analysis	NWTPH-Dx		1.00	U012145	07/08/11 07:23	JDJ	TAL NSH
Total	Prep	EPA 8011		1.003	11G0664_P	07/05/11 11:18	RMC	TAL NSH
Total	Analysis	SW846 8011		1.000	U012055	07/07/11 23:19	RMC	TAL NSH
Dissolved	Prep	EPA 3010A / 6020 Dissolved		1.00	11G2314_P	07/11/11 19:54	MET	TAL NSH
Dissolved	Analysis	SW846 6020		1.00	11G2314	07/13/11 21:39	MET	TAL NSH
Total	Prep	EPA 3010A / 6020		1.00	11G2312_P	07/11/11 19:54	MET	TAL NSH
Total	Analysis	SW846 6020		1.00	11G2312	07/13/11 20:24	MET	TAL NSH
Dissolved	Prep	EPA 7470		1.00	11G2092_P	07/11/11 09:55	DEB	TAL NSH
Dissolved	Analysis	SW846 7470A		1.00	11G2092	07/12/11 10:55	DEB	TAL NSH
Total	Prep	EPA 7470		1.00	11G1159_P	07/07/11 11:00	MB	TAL NSH
Total	Analysis	SW846 7470A		1.00	11G1159	07/08/11 11:49	DEB	TAL NSH
Total	Analysis	SM3500-Cr B/D		1.00	11G0281	07/02/11 10:00	TCB	TAL NSH
Total	Prep	NO PREP		1.00	11G0281_P	07/02/11 10:00	TCB	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 174665

TestAmerica Job ID: NUG0179

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
SW846 8011	EDB by EPA Method 8011		TAL NSH
SW846 6020	Total Metals by Method 6020		TAL NSH
SW846 6020	Dissolved Metals by Method 6020		TAL NSH
SW846 7470A	Mercury by EPA Methods 7470A/7471A		TAL NSH
SW846 7470A	Dissolved Mercury by EPA Methods 7470A/7471A		TAL NSH
SM3500-Cr B/D	General Chemistry Parameters		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 174665

TestAmerica Job ID: NUG0179

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	LA100011
TestAmerica Nashville	Louisiana	NELAC	6	30613
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
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 REC

NUG0179

Cooler Received/Opened On 7/1/2011 @ 8:30

1. Tracking # 5340 (last 4 digits, FedEx)

Courier: FEDEX IR Gun ID 12080142

2. Temperature of rep. sample or temp blank when opened: 1.0 *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 # 1 of 1

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-1
End of Form

Revised 6/24/09

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: Brian Richardson - 060616.2011.01

PO #

INCIDENT # (ENV SERVICES) 9 7 8 0 7 2 5 6 ☐ CHECK IF NO INCIDENT # APPLIES

SAP # 1 7 4 6 6 5

DATE: 6/29/11
PAGE: 1 of 1

SAMPLING COMPANY: Blaine Tech Services
LOC CODE:
ADDRESS: 20735 Belshaw Avenue, Carson, CA 90746
PROJECT CONTACT (Hardcopy or PDF Report to): Lonn King
TELEPHONE: (310) 885-4455 x 108
FAX: (310) 637-5802
E-MAIL: lking@blainetech.com

SITE ADDRESS: Street and City: 6317 NE 4th Plain Blvd, Vancouver
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.: 11069242
SAMPLER NAME(S) (Print): G. 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://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°

REQUESTED ANALYSIS

LAB USE ONLY	PROJECT NUMBER	DATE (MMDDYY)	SAMPLER INITIALS	WELL ID	TIME	MATRIX	HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	NWTPH-Gx	NWTPH-Dx w/Silica Gel Cleanup	BTEX (8260B)	5 Oxygenates, MTBE, TBA, DIPE, TAME, ETBE (8260B)	EDC (8260B)	EDB (8011)	Total Lead (6020)	PCBs (8082)	PAHs (8070 SIM)	VOCs Full list (8260B)	Pest (8080)	NWTPH-VPH	NWTPH-EPH		Total and Dissolved RCRA 8 Metals (5020/7470A)	Hexavalent Chromium (SM 3500-CrB)	TPH-O			Container PID Readings or Laboratory Notes
	GW - 060616	062911	GL	MW-1	0955	WG	X	X		X		15																				

NUG0179
07/18/11 23:59

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
G. Lane	Shipped by Fed Ex	6/30/11	1700
	TA	7/1/11	08:30