CONESTOGA-ROVERS
& ASSOCIATES

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February 26, 2013 Reference No. 061992

Mr. John Bails
Department of Ecology
Northwest Regional Office
3190 160th Avenue Southeast
Bellevue, Washington 98008

Re: Fourth Quarter 2012 Groundwater Monitoring and Sampling Report
Former Tidewater Site
Phillips 66 Site 5173
Chevron Site 301233
2800 Martin Luther King Junior Way South
Seattle, Washington
DOE Case 42746846

Dear Mr. Bails,

Conestoga-Rovers & Associates (CRA) is submitting this *Fourth Quarter 2012 Groundwater Monitoring and Sampling Report* for the site referenced above (Figure 1) on behalf of Phillips 66 Company and Chevron Environmental Management Company. Groundwater monitoring and sampling was performed by CRA. CRA's field forms are presented as Attachment A. Eurofins Lancaster Laboratories' *Analytical Results* report is included as Attachment B. Graphs depicting total petroleum hydrocarbons as diesel (TPHd), TPH as gasoline (TPHg), and benzene concentrations over time for select wells are included as Attachment C. A summary of previous site investigation is included as Attachment D. A site map is presented on Figure 2.

RESULTS OF FOURTH QUARTER 2012 EVENT

On December 5 and 6, 2012, CRA monitored and sampled the site wells per the established schedule. Results of the current monitoring event indicate the following.

- Groundwater Flow Direction — Southwest (Figure 3)
- Hydraulic Gradient — 0.04 foot/foot
- Approximate Depth to Water — 9.5 to 12 feet below grade
- Approximate Groundwater Elevation — 46 to 53 feet above mean sea level

Current and historical groundwater monitoring and sampling data are presented in Table 1, and current concentration data presented below in Table A and on Figure 4.

TABLE A: GROUNDWATER ANALYTICAL DATA

Well ID	*TPHg (µg/L)*	*TPHd (µg/L)*	*TPHo (µg/L)*	*Benzene (µg/L)*	*Toluene (µg/L)*	*Ethylbenzene (µg/L)*	*Total Xylenes (µg/L)*
MTCA Method A Cleanup Levels	***800/1000****	***500***	***500***	***5***	***1000***	***700***	***1000***
MW-1	<50	<29	<69	<0.5	<0.5	<0.5	<0.5
MW-2	590	250	<73	2	<0.5	3	11
MW-3	**6,700**	290	<69	<0.5	<0.5	160	480
MW-4	<50	<32	<75	<0.5	<0.5	<0.5	<0.5
MW-5	170	40	<76	<0.5	<0.5	2	8
MW-6	<50	<31	<73	<0.5	<0.5	1	6
MW-7	<50	<29	<67	<0.5	<0.5	<0.5	<0.5
MW-8	**13,000**	**2,600**	200	<0.5	0.8	95	**1,100**
MW-8 DUP	**12,000**	**2,600**	240	<0.5	0.8	91	**1,100**
MW-9	<50	39	<69	<0.5	<0.5	<0.5	<0.5
MW-10	130	220	<72	3	0.6	<0.5	4

Bold Indicates concentration exceed MTCA Method A cleanup level

* TPHg Cleanup Level for wells containing benzene is 800 µg/L; otherwise cleanup level is 1,000 µg/L.

CONCLUSIONS AND RECOMMENDATIONS

The results of ongoing groundwater monitoring and sampling at the site indicate:

- TPHg concentrations exceeded the Washington State Ecology (Ecology) Model Toxics Control Act (MTCA) Method A cleanup level in groundwater wells MW-3 and MW-8, with the highest concentration detected at MW-8 (Figure 5).
- TPHd concentrations exceeded the MTCA Method A cleanup level in groundwater only in well MW-8 (Figure 6).
- TPHo concentrations were below MTCA Method A cleanup levels in all wells.
- With the exception of total xylenes in MW-8, Benzene, toluene, ethylbenzene, and total xylenes concentrations were all below the MTCA Method A cleanup levels in groundwater.

CONESTOGA-ROVERS & ASSOCIATES

- With the exception of source area well MW-8, hydrocarbon concentrations exhibit decreasing concentration trends over time. Hydrocarbon concentrations in MW-8 have been stable.

CRA recommends continuing quarterly monitoring and sampling to assess concentration trends over time.

ANTICIPATED FUTURE ACTIVITIES

Groundwater Monitoring
CRA will monitor and sample site wells per the established schedule. The first quarter 2013 event is scheduled for February 2013. CRA will submit a groundwater monitoring and sampling report approximately 90 days following receipt of laboratory analytical results.

Remedial Investigation/Feasibility Study (RI/FS) Work Plan
CRA is currently preparing a RI/FS Work Plan to submit to the Department of Ecology during the first quarter of 2013.

Please contact Edwin Turner at (425) 563-6500 if you have any questions or require additional information.

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES

Edwin Turner

ET/aa/3
Encl.

Figure 1	Vicinity Map
Figure 2	Site Plan
Figure 3	Groundwater Elevations and Contour Map
Figure 4	Groundwater Concentration Map
Figure 5	TPHg Isoconcentration Contour Map
Figure 6	TPHd Isoconcentration Contour Map

Table 1	Groundwater Monitoring and Sampling Data

Attachment A	Monitoring Data Package
Attachment B	Laboratory Analytical Report
Attachment C	Concentration Trend Graphs
Attachment D	Summary of Previous Investigations

cc: Mr. Rick Rittenberg, Chevron *(electronic copy)*
Mr. Louis Mosconi, Phillips 66 (*electronic copy*)
Greg McCormick, EP Inc. (*electronic copy*)

FIGURES

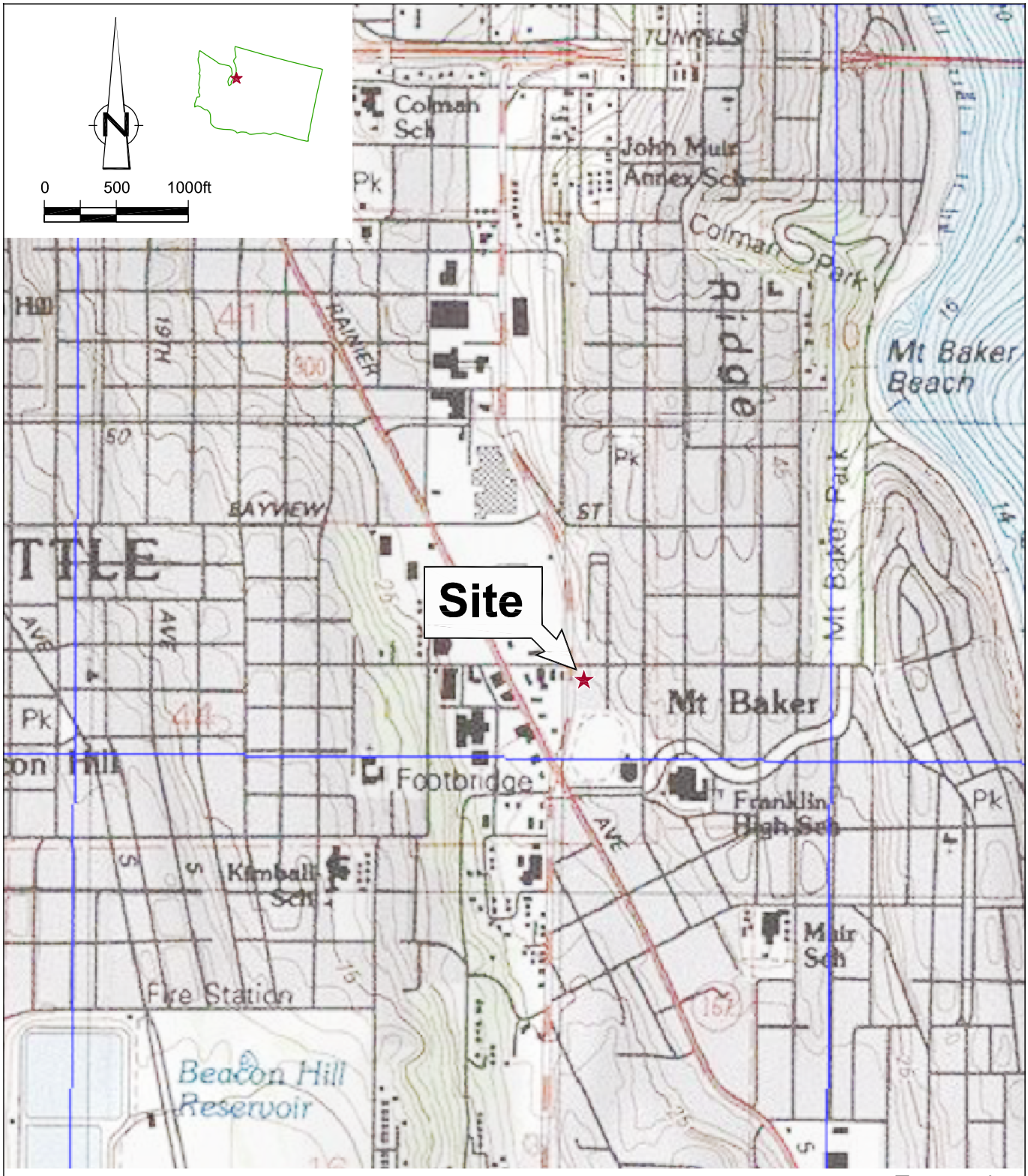


Figure 1

VICINITY MAP
FORMER TIDEWATER SERVICE STATION
PHILLIPS 66 SITE 5173
CHEVRON SITE 301233
2800 MARTIN LUTHER KING WAY SOUTH
Seattle, Washington

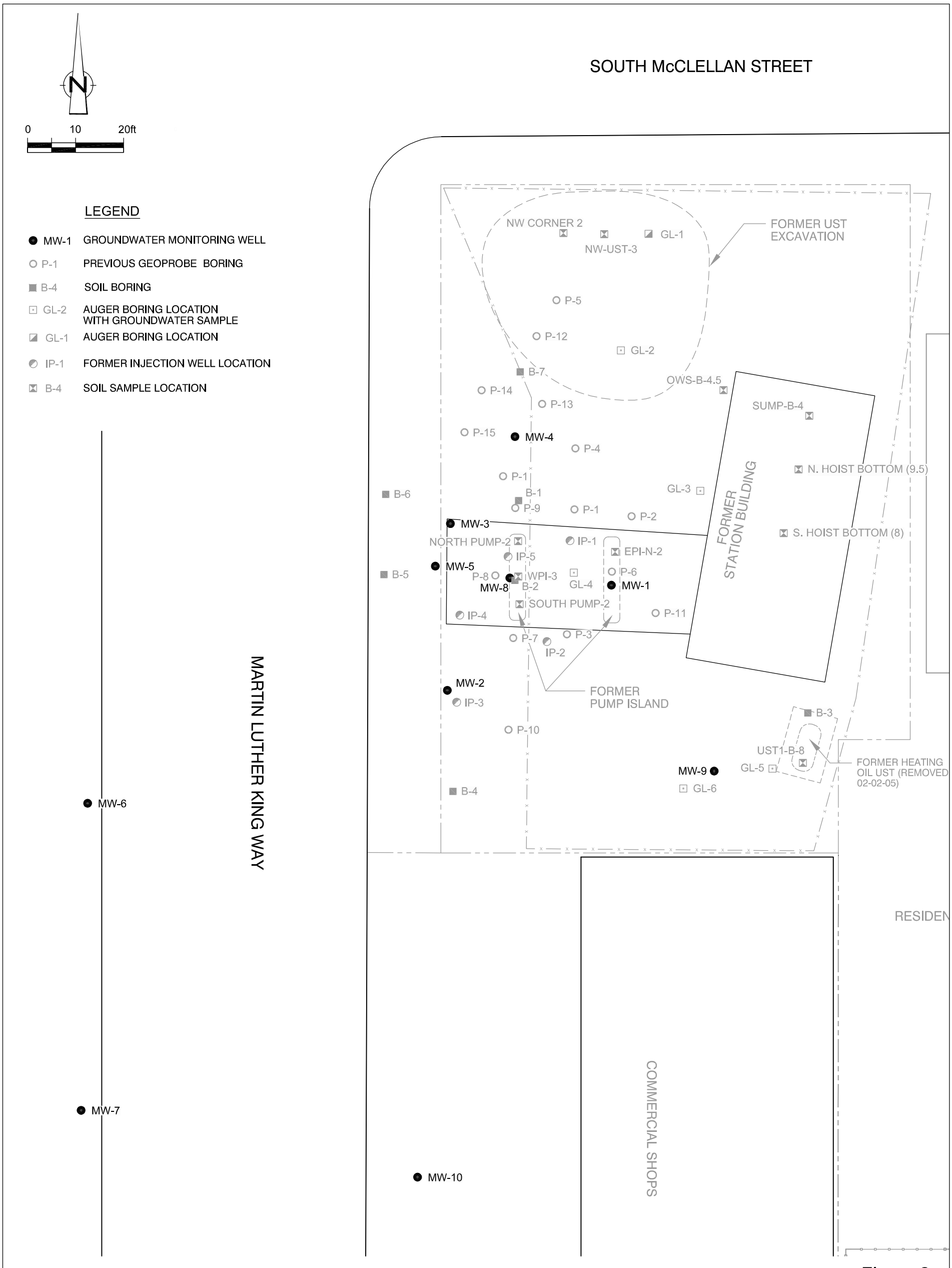


Figure 2

SITE PLAN
FORMER TIDEWATER SERVICE STATION
PHILLIPS 66 SITE 5173
CHEVRON SITE 301233
2800 MARTIN LUTHER KING WAY SOUTH
Seattle, Washington

CRA

061992-95(003)GN-EM002 JAN 15/2013

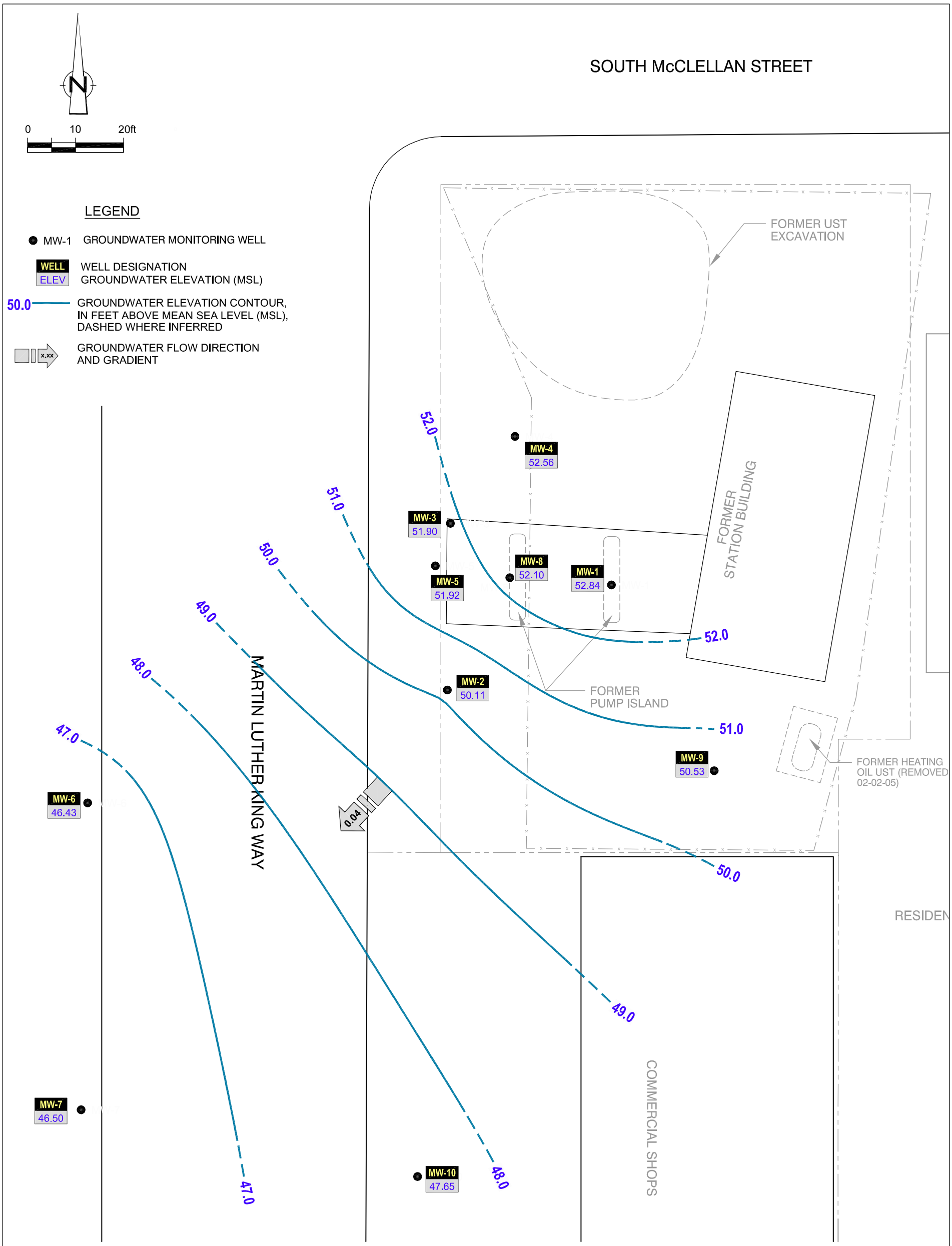
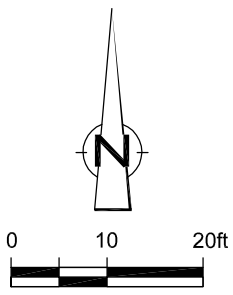


Figure 3

GROUNDWATER ELEVATION CONTOUR MAP
FORMER TIDEWATER SERVICE STATION
PHILLIPS 66 SITE 5173
CHEVRON SITE 301233
2800 MARTIN LUTHER KING WAY SOUTH
Seattle, Washington
December 5, 2012

CRA

061992-95(003)GN-EM003 FEB 8/2013



LEGEND

- MW-1 GROUNDWATER MONITORING WELL
- WELL — WELL DESIGNATION
- TPHg — TPHg CONCENTRATION (µg/L)
- TPHd — TPHd CONCENTRATION (µg/L)
- BENZ — BENZENE CONCENTRATION (µg/L)
- TOUL — TOULENE CONCENTRATION (µg/L)
- ETH — ETHYLBENZENE CONCENTRATION (µg/L)
- TOTAL — TOTAL XYLENES CONCENTRATION (µg/L)
- * SAMPLED ON 12/6/12
- D DUPLICATE

SOUTH McCLELLAN STREET

FORMER UST EXCAVATION

FORMER STATION BUILDING

FORMER PUMP ISLAND

FORMER HEATING OIL UST (REMOVED 02-02-05)

RESIDEN

MARTIN LUTHER KING WAY

COMMERCIAL SHOPS

	MW-1	MW-2*	MW-3*	MW-4	MW-5*	MW-6*	MW-7*	MW-8	MW-9	MW-10*
TPHg	<50	590	6,700	<50	170	<50	<50	13,000/12,000 D	<50	130
TPHd	<29	250	290	<32	40	<31	<29	2,600/2,600 D	39	220
BENZ	<0.5	2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5/<0.5 D	<0.5	3
TOUL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.8/0.8 D	<0.5	0.6
ETH	<0.5	3	160	<0.5	2	1	<0.5	95/91 D	<0.5	<0.5
TOTAL	<0.5	11	480	<0.5	8	6	<0.5	1,100/1,100 D	<0.5	4

Figure 4

GROUNDWATER CONCENTRATION MAP
FORMER TIDEWATER SERVICE STATION
PHILLIPS 66 SITE 5173
CHEVRON SITE 301233
2800 MARTIN LUTHER KING WAY SOUTH
Seattle, Washington
December 5, 2012

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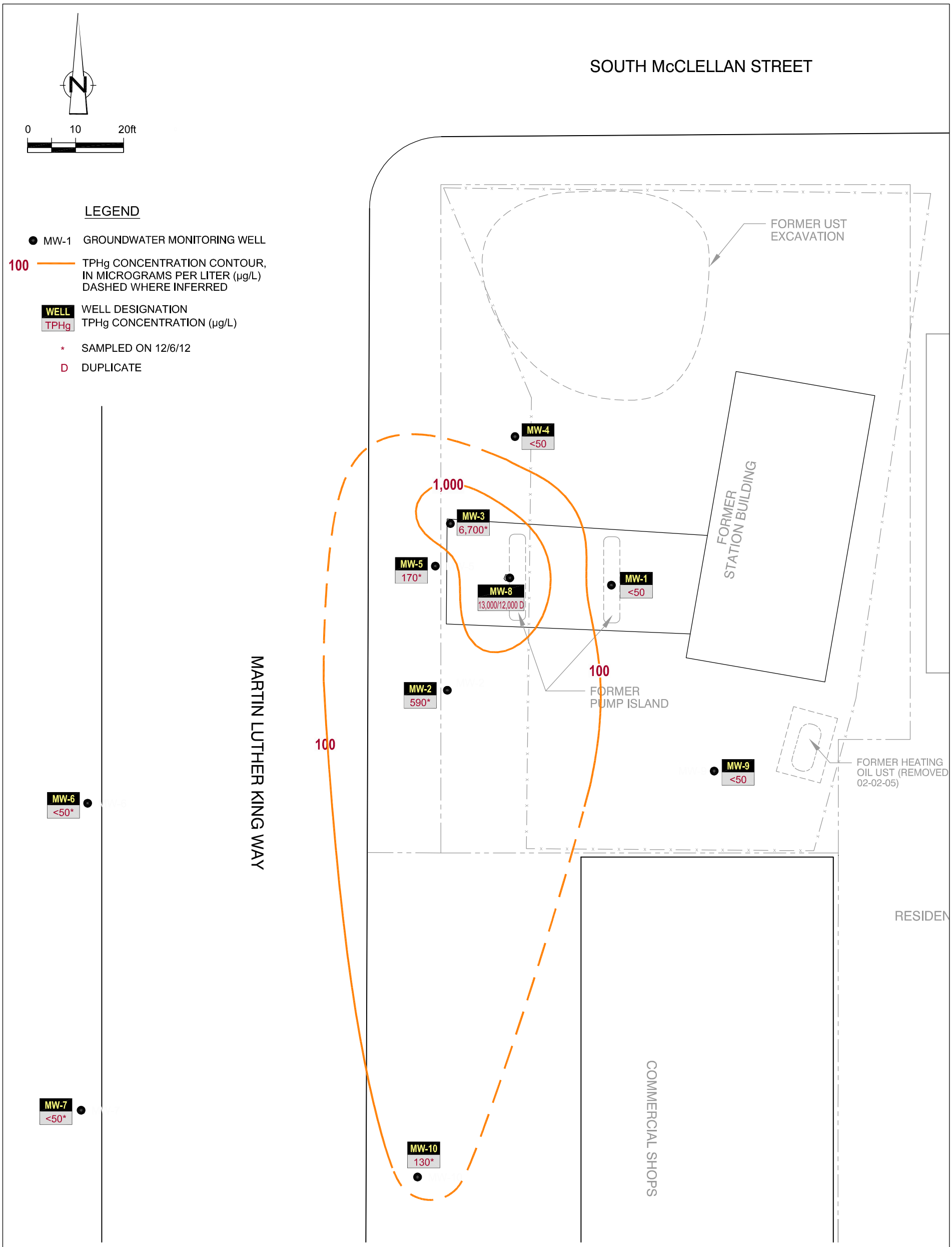

Figure 5

TPHg ISOCONCENTRATION CONTOUR MAP
FORMER TIDEWATER SERVICE STATION
PHILLIPS 66 SITE 5173
CHEVRON SITE 301233
2800 MARTIN LUTHER KING WAY SOUTH
Seattle, Washington
December 5, 2012

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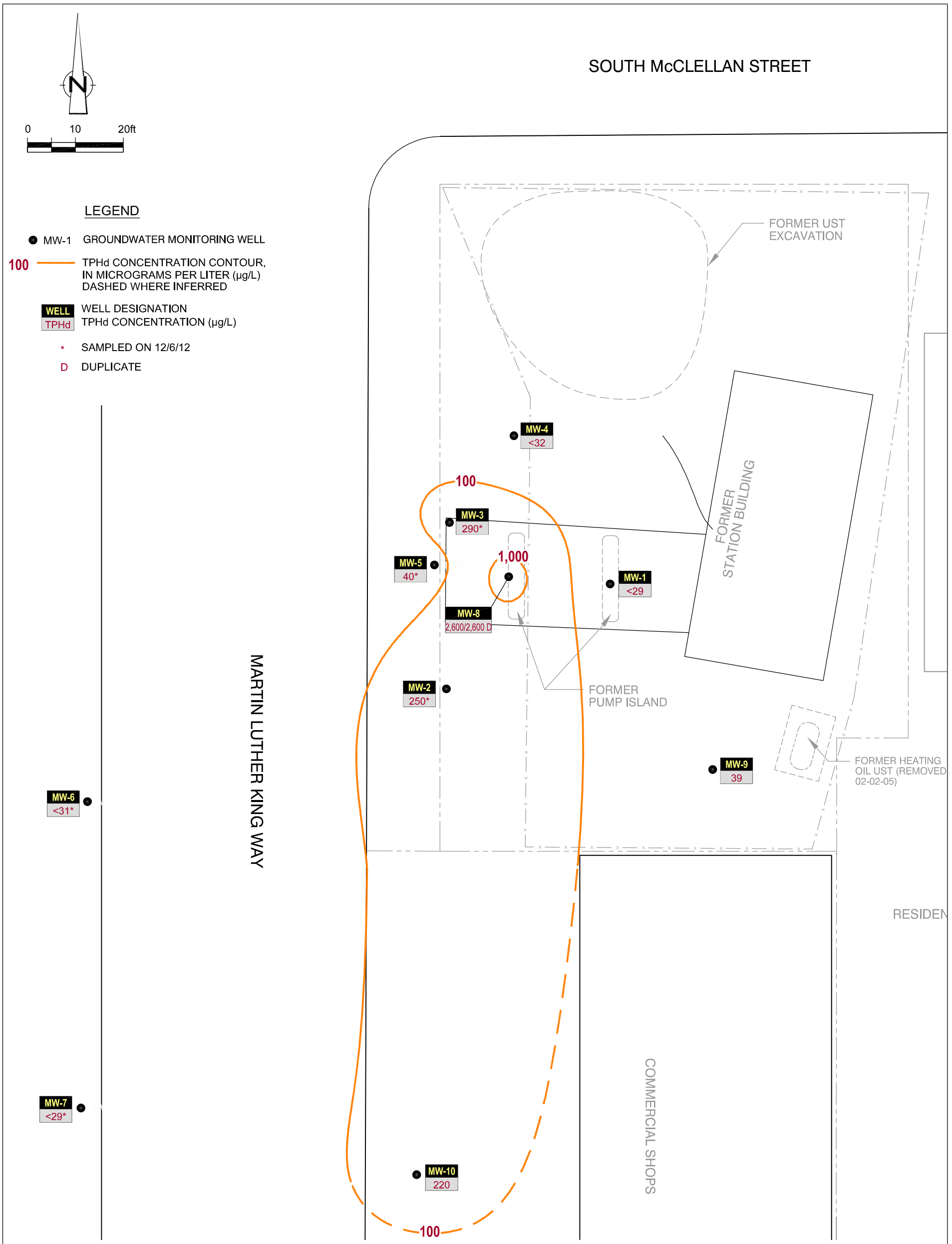

Figure 6

TPHd ISOCONCENTRATION CONTOUR MAP
FORMER TIDEWATER SERVICE STATION
PHILLIPS 66 SITE 5173
CHEVRON SITE 301233
2800 MARTIN LUTHER KING WAY SOUTH
Seattle, Washington
December 5, 2012

061992-95(003)GN-EM006 FEB 8/ 2013

TABLE

TABLE 1

SUMMARY OF GROUNDWATER MONITORING DATA
FORMER TIDEWATER SERVICE STATION
PHILLIPS 66 SITE 5173
CHEVRON SITE 301233
2800 MARTIN LUTHER KING JUNIOR WAY SOUTH
SEATTLE, WASHINGTON

					HYDROCARBONS			PRIMARY VOCS													
Location	Date	TOC	DTW	GWE	TPH-GRO	TPH-DRO	TPH-HRO	B	T	E	X	EDB	EDC	MTBE	Naphthalene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	N-Propylbenzene	Isopropyl benzene	Lead (Total)	cPAHs
	Units	ft	ft	ft-amsl	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	µg/L	µg/L	µg/L
MW-1	08/19/2005	97.92	13.01	84.91	ND	-	-	ND	ND	ND	ND	-	-	-	-	-	-	-	-	-	-
MW-1	10/27/2005	97.92	12.62	85.30	ND	-	-	ND	ND	ND	ND	-	-	-	-	-	-	-	-	-	-
MW-1	12/27/2005	97.92	-	-	ND	-	-	ND	ND	ND	ND	-	-	-	-	-	-	-	-	-	-
MW-1	01/12/2006	97.92	9.03	88.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	03/02/2006	97.92	10.56	87.36	ND	-	-	ND	ND	ND	ND	-	-	-	-	-	-	-	-	-	-
MW-1	06/28/2006	97.92	12.42	85.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	12/01/2006	97.92	9.33	88.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	12/06/2006	97.92	9.72	88.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	02/28/2007	97.92	11.04	86.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	03/07/2007	97.92	11.14	86.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	04/11/2007	97.92	11.06	86.86	ND	-	-	ND	ND	ND	ND	-	-	-	-	-	-	-	-	-	-
MW-1	11/12/2009	97.92	11.08	86.84	<50	-	-	<1.0	<1.0	<1.0	<3.0	-	-	-	-	-	-	-	-	-	-
MW-1	08/30/2011[3]	97.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	12/15/2011[3]	97.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	02/06/2012	62.35	9.84	52.51	260	430	620	<0.5	41	3	18	<1	<1	<0.5	<1	<1	<1	<1	<1	-	-
MW-1	05/30/2012	62.35	10.63	51.72	<50	35	170	<0.5	<0.7	<0.8	<0.8	<1	<1	<0.5	<1	<1	<1	<1	<1	1.7	0.007399
MW-1	08/08/2012	62.35	11.36	50.99	<50	<29[4]	<67[4]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	<1	<1	0.32	-
MW-1	**12/05/2012**	**62.35**	**9.51**	**52.84**	**<50**	**<29[4]**	**<69[4]**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<1**	**<1**	**<1**	**<1**	**<1**	**27.7**	**-**
MW-2	08/19/2005	96.25	13.02	83.23	2,000	-	-	ND	10	81	91	-	-	-	-	-	-	-	-	-	-
MW-2	10/27/2005	96.25	13.62	82.63	2,300	-	-	ND	ND	89	93	-	-	-	-	-	-	-	-	-	-
MW-2	12/27/2005	96.25	-	-	820	-	-	ND	ND	21	66	-	-	-	-	-	-	-	-	-	-
MW-2	01/12/2006	96.25	5.77	90.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	03/02/2006	96.25	11.82	84.43	1,300	-	-	ND	3.9	23	50	-	-	-	-	-	-	-	-	-	-
MW-2	04/13/2006	96.25	13.06	83.19	470	-	-	ND	1.4	6.9	15	-	-	-	-	-	-	-	-	-	-

TABLE 1

SUMMARY OF GROUNDWATER MONITORING DATA
FORMER TIDEWATER SERVICE STATION
PHILLIPS 66 SITE 5173
CHEVRON SITE 301233
2800 MARTIN LUTHER KING JUNIOR WAY SOUTH
SEATTLE, WASHINGTON

					HYDROCARBONS			*PRIMARY VOCS*													
Location	Date	*TOC*	*DTW*	*GWE*	*TPH-GRO*	*TPH-DRO*	*TPH-HRO*	*B*	*T*	*E*	*X*	*EDB*	*EDC*	*MTBE*	*Naphthalene*	*1,2,4-Trimethylbenzene*	*1,3,5-Trimethylbenzene*	*N-Propylbenzene*	*Isopropyl benzene*	*Lead (Total)*	*cPAHs*
	Units	*ft*	*ft*	*ft-amsl*	*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*	*µg/L*	*µg/L*	*µg/L*
MW-2	06/28/2006	96.25	12.40	83.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	09/11/2006	96.25	13.64	82.61	580	-	-	ND	1.6	2.9	6.2	-	-	-	-	-	-	-	-	-	-
MW-2	12/01/2006	96.25	10.65	85.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	12/06/2006	96.25	10.20	86.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	01/12/2007	96.25	11.06	85.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	02/12/2007	96.25	-	-	1,400	-	-	1.4	3.5	16	13	-	-	-	-	-	-	-	-	-	-
MW-2	02/28/2007	96.25	11.65	84.60	1,200	-	-	2	4	18	60	-	-	-	-	-	-	-	-	-	-
MW-2	03/07/2007	96.25	11.43	84.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	04/11/2007	96.25	11.07	85.18	1,200	-	-	ND	3	11	63	-	-	-	-	-	-	-	-	-	-
MW-2	11/12/2009	96.25	12.35	83.90	455	-	-	<1.0	<1.0	<1.0	<3.0	-	-	-	-	-	-	-	-	-	-
MW-2	08/31/2011	60.72	11.96	48.76	960	590	-	1	<0.7	1	6	<1	<1	<0.5	<1	<1	<1	59	24	-	-
MW-2	12/15/2011	60.72	11.53	49.19	750	30	-	1	<0.7	1	<1.6	<1	<1	<0.5	<1	<1	<1	60	25	-	-
MW-2	02/06/2012	60.72	10.26	50.46	780	390	-	1	2	<0.8	<1.6	<1	<1	<0.5	<1	<1	<1	55	22	-	-
MW-2	05/30/2012	60.72	10.83	49.89	480	210	<67	0.8	<0.7	<0.8	<0.8	<1	<1	<0.5	<1	<1	<1	47	21	3.8	0.007173
MW-2	08/08/2012	60.72	11.95	48.77	670	160[4]	<67[4]	0.9	<0.5	<0.5	0.5	<0.5	<0.5	<0.5	<1	<1	<1	48	24	8.3	-
MW-2	**12/05/2012**	**60.72**	**10.61**	**50.11**	**590**	**250[4]**	**<73[4]**	**2**	**<0.5**	**3**	**11**	**<0.5**	**<0.5**	**<0.5**	**<1**	**<1**	**<1**	**37**	**17**	**13.1**	**-**
MW-3	08/19/2005	97.43	12.72	84.71	44,000	-	-	4.1	18	780	3,600	-	-	-	-	-	-	-	-	-	-
MW-3	12/27/2005	97.43	13.42	84.01	17,000	-	-	ND	38	580	3,000	-	-	-	-	-	-	-	-	-	-
MW-3	12/28/2005	-	-	-	6,600	-	-	5	22	200	1,100	-	-	-	-	-	-	-	-	-	-
MW-3	01/12/2006	97.43	8.84	88.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	03/02/2006	97.43	10.90	86.53	22,000	-	-	ND	26	450	4,200	-	-	-	-	-	-	-	-	-	-
MW-3	04/13/2006	97.43	11.92	85.51	33,000	-	-	ND	3	700	3,100	-	-	-	-	-	-	-	-	-	-
MW-3	06/28/2006	97.43	12.17	85.26	53,000	-	-	ND	17	530	2,600	-	-	-	-	-	-	-	-	-	-
MW-3	08/13/2006	97.43	13.91	83.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 1

SUMMARY OF GROUNDWATER MONITORING DATA
FORMER TIDEWATER SERVICE STATION
PHILLIPS 66 SITE 5173
CHEVRON SITE 301233
2800 MARTIN LUTHER KING JUNIOR WAY SOUTH
SEATTLE, WASHINGTON

					HYDROCARBONS			*PRIMARY VOCS*													
Location	Date	*TOC*	*DTW*	*GWE*	*TPH-GRO*	*TPH-DRO*	*TPH-HRO*	*B*	*T*	*E*	*X*	*EDB*	*EDC*	*MTBE*	*Naphthalene*	*1,2,4-Trimethylbenzene*	*1,3,5-Trimethylbenzene*	*N-Propylbenzene*	*Isopropyl benzene*	*Lead (Total)*	*cPAHs*
	Units	*ft*	*ft*	*ft-amsl*	*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*	*µg/L*	*µg/L*	*µg/L*
MW-3	09/11/2006	97.43	13.77	83.66	14,000	-	-	ND	5.6	180	1,100	-	-	-	-	-	-	-	-	-	-
MW-3	10/13/2006	97.43	-	-	1,400	-	-	ND	1	26	98	-	-	-	-	-	-	-	-	-	-
MW-3	11/17/2006	97.43	10.56	86.87	48,000	-	-	ND	34	490	4,100	-	-	-	-	-	-	-	-	-	-
MW-3	12/01/2006	97.43	9.78	87.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	12/06/2006	97.43	10.01	87.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	01/12/2007	97.43	10.90	86.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	02/12/2007	97.43	-	-	36,000	-	-	ND	10	280	1,800	-	-	-	-	-	-	-	-	-	-
MW-3	02/28/2007	97.43	11.12	86.31	22,000	-	-	ND	6	200	1,400	-	-	-	-	-	-	-	-	-	-
MW-3	03/07/2007	97.43	11.17	86.26	21,000	-	-	ND	18	170	1,000	-	-	-	-	-	-	-	-	-	-
MW-3	04/11/2007	97.43	11.04	86.39	19,000	-	-	ND	6	110	1,100	-	-	-	-	-	-	-	-	-	-
MW-3	11/12/2009	97.43	11.98	85.45	71.7	-	-	ND	<1.0	<1.0	<3.0	-	-	-	-	-	-	-	-	-	-
MW-3	08/31/2011	61.81	12.10	49.71	7,400	370	<68	<1.0	<1	190	554	<2	<2	<1	67	1,300	330	140	47	-	-
MW-3	12/15/2011	61.81	11.38	50.43	5,400	<29	<67	<0.5	<0.7	120	400	<1	<1	<0.5	50	950	210	110	37	-	-
MW-3	02/06/2012	61.81	10.33	51.48	6,300	1,200	<68	<1	<1	130	523	<2	<2	<1	49	870	190	74	27	-	-
MW-3	05/30/2012	61.81	10.87	50.94	7,400	520	<66	<1	<1	160	660	<2	<2	<1	66	1,100	220	100	38	1.1	0.012868
MW-3	08/07/2012	61.81	11.42	50.39	8,100	290[4]	<67[4]	<1	<1	140	610	<1	<1	<1	71	830	140	86	33	0.98	-
MW-3	**12/06/2012**	**61.81**	**9.91**	**51.90**	**6,700**	**290[4]**	**<69[4]**	**<0.5**	**<0.5**	**160**	**480**	**<0.5**	**<0.5**	**<0.5**	**75**	**860**	**160**	**100**	**41**	**0.36**	**-**
MW-4	06/28/2006	98.36	12.40	85.96	ND	-	-	ND	ND	ND	ND	-	-	-	-	-	-	-	-	-	-
MW-4	12/01/2006	98.36	9.90	88.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	12/06/2006	98.36	10.21	88.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	02/28/2007	98.36	11.43	86.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	03/07/2007	98.36	11.49	86.87	ND	-	-	ND	ND	ND	ND	-	-	-	-	-	-	-	-	-	-
MW-4	04/11/2007	98.36	11.27	87.09	ND	-	-	ND	ND	ND	ND	-	-	-	-	-	-	-	-	-	-
MW-4	11/12/2009	98.36	11.82	86.54	<50	-	-	<1.0	<1.0	<1.0	<3.0	-	-	-	-	-	-	-	-	-	-

TABLE 1

SUMMARY OF GROUNDWATER MONITORING DATA
FORMER TIDEWATER SERVICE STATION
PHILLIPS 66 SITE 5173
CHEVRON SITE 301233
2800 MARTIN LUTHER KING JUNIOR WAY SOUTH
SEATTLE, WASHINGTON

					HYDROCARBONS			*PRIMARY VOCS*													
Location	Date	*TOC*	*DTW*	*GWE*	*TPH-GRO*	*TPH-DRO*	*TPH-HRO*	*B*	*T*	*E*	*X*	*EDB*	*EDC*	*MTBE*	*Naphthalene*	*1,2,4-Trimethylbenzene*	*1,3,5-Trimethylbenzene*	*N-Propylbenzene*	*Isopropyl benzene*	*Lead (Total)*	*cPAHs*
	Units	*ft*	*ft*	*ft-amsl*	*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*	*µg/L*	*µg/L*	*µg/L*
MW-4	08/31/2011	62.75	12.42	50.33	<50	<29	<68	<0.5	<0.7	<0.8	<0.8	<2	<2	<0.5	<1	<1	<1	<1	<1	-	-
MW-4	12/15/2011	62.75	11.69	51.06	<50	<29	<67	<0.5	<0.7	<0.8	<1.6	<1	<1	<0.5	<1	<1	<1	<1	<1	-	-
MW-4	02/06/2012	62.75	10.50	52.25	<50	55	<67	<0.5	<0.7	<0.8	<1.6	<2	<2	<0.5	<1	<1	<1	<1	<1	-	-
MW-4	05/30/2012	62.75	11.11	51.64	<50	<29	<67	<0.5	<0.7	<0.8	<0.8	<1	<1	<0.5	<1	<1	<1	<1	<1	1.8	0.007248
MW-4	08/07/2012	62.75	11.76	50.99	<50	<29[4]	<68[4]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	<1	<1	0.34	-
MW-4	**12/05/2012**	**62.75**	**10.19**	**52.56**	**<50**	**<32[4]**	**<75[4]**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<1**	**<1**	**<1**	**<1**	**<1**	**4.0**	**-**
MW-5	06/28/2006	97.20	12.09	85.11	21,000	-	-	ND	14	290	920	-	-	-	-	-	-	-	-	-	-
MW-5	09/11/2006	97.20	13.63	83.57	2,500	-	-	ND	ND	34	60	-	-	-	-	-	-	-	-	-	-
MW-5	11/17/2006	97.20	10.57	86.63	23,000	-	-	ND	52	450	1,700	-	-	-	-	-	-	-	-	-	-
MW-5	12/01/2006	97.20	9.75	87.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	01/12/2007	97.20	10.85	86.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	02/12/2007	97.20	-	-	37,000	-	-	ND	33	1,600	2,800	-	-	-	-	-	-	-	-	-	-
MW-5	02/28/2007	97.20	11.05	86.15	29,000	-	-	ND	24	550	1,800	-	-	-	-	-	-	-	-	-	-
MW-5	03/07/2007	97.20	11.11	86.09	42,000	-	-	11	24	740	2,500	-	-	-	-	-	-	-	-	-	-
MW-5	04/11/2007	97.20	10.96	86.24	65,000	-	-	ND	79	850	4,000	-	-	-	-	-	-	-	-	-	-
MW-5	11/12/2009	97.20	12.10	85.10	2,340	-	-	1	36	<1.0	125	-	-	-	-	-	-	-	-	-	-
MW-5	08/31/2011	61.66	12.80	48.86	3,100	770	<67	2	1	72	124	<1	<1	<0.5	120	130	18	210	78	-	-
MW-5	12/15/2011	61.66	11.41	50.25	1,900	66	<67	1	0.9	24	33	<1	<1	<0.5	81	43	3	120	43	-	-
MW-5	02/06/2012	61.66	10.54	51.12	1,200	34	<68	0.8	<0.7	12	43	<1	<1	<0.5	37	31	6	55	21	-	-
MW-5	05/30/2012	61.66	10.91	50.75	260	54	<66	<0.5	<0.7	3	7	<1	<1	<0.5	12	4	<1	24	9	0.48	0.009168
MW-5	08/07/2012	61.66	11.39	50.27	610	190[4]	<66[4]	<0.5	<0.5	11	22	<0.5	<0.5	<0.5	21	33	12	32	13	5.1	-
MW-5	**12/06/2012**	**61.66**	**9.74**	**51.92**	**170**	**40[4]**	**<76[4]**	**<0.5**	**<0.5**	**2**	**8**	**<0.5**	**<0.5**	**<0.5**	**8**	**3**	**<1**	**12**	**4**	**0.17**	**-**
MW-6	08/31/2011	58.03	12.33	45.70	<50	44	<67	<0.5	<0.7	<0.8	<0.8	<1	<1	<0.5	1	<1	<1	<1	<1	-	-

TABLE 1

SUMMARY OF GROUNDWATER MONITORING DATA
FORMER TIDEWATER SERVICE STATION
PHILLIPS 66 SITE 5173
CHEVRON SITE 301233
2800 MARTIN LUTHER KING JUNIOR WAY SOUTH
SEATTLE, WASHINGTON

					HYDROCARBONS			*PRIMARY VOCS*													
Location	Date	*TOC*	*DTW*	*GWE*	*TPH-GRO*	*TPH-DRO*	*TPH-HRO*	*B*	*T*	*E*	*X*	*EDB*	*EDC*	*MTBE*	*Naphthalene*	*1,2,4-Trimethylbenzene*	*1,3,5-Trimethylbenzene*	*N-Propylbenzene*	*Isopropyl benzene*	*Lead (Total)*	*cPAHs*
	Units	*ft*	*ft*	*ft-amsl*	*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*	*µg/L*	*µg/L*	*µg/L*
MW-6	12/15/2011	58.03	12.09	45.94	<50	<29	<67	<0.5	<0.7	<0.8	<1.6	<1	<1	<0.5	<1	<1	<1	<1	<1	-	-
MW-6	02/06/2012	58.03	11.80	46.23	<50	<29	<68	<0.5	<0.7	<0.8	<1.6	<1	<1	<0.5	<1	<1	<1	<1	<1	-	-
MW-6	05/30/2012	58.03	12.03	46.00	<50	<29	<68	<0.5	<0.7	<0.8	<0.8	<1	<1	<0.5	<1	<1	<1	<1	<1	2.5	-
MW-6	08/07/2012	58.03	12.21	45.82	<50	<28[4]	<66[4]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	<1	<1	0.15	-
MW-6	**12/06/2012**	**58.03**	**11.60**	**46.43**	**<50**	**<31[4]**	**<73[4]**	**<0.5**	**<0.5**	**1**	**6**	**<0.5**	**<0.5**	**<0.5**	**<1**	**<1**	**<1**	**<1**	**<1**	**1.1**	**-**
MW-7	08/31/2011	56.96	11.15	45.81	<50	<29	<67	<0.5	<0.7	<0.8	<0.8	<1	<1	<0.5	<1	<1	<1	<1	<1	-	-
MW-7	12/15/2011	56.96	10.93	46.03	<50	45	89	<0.5	<0.7	<0.8	<1.6	<1	<1	<0.5	<1	<1	<1	<1	<1	-	-
MW-7	02/06/2012	56.96	10.75	46.21	<50	<29	<68	<0.5	2	<0.8	<1.6	<1	<1	<0.5	<1	<1	<1	<1	<1	-	-
MW-7	05/30/2012	56.96	10.93	46.03	<50	37	160	<0.5	<0.7	<0.8	<0.8	<1	<1	<0.5	<1	<1	<1	<1	<1	13.8	0.097
MW-7	08/07/2012	56.96	11.70	45.26	<50	<28[4]	<66[4]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	<1	<1	31.7	-
MW-7	**12/06/2012**	**56.96**	**10.46**	**46.50**	**<50**	**<29[4]**	**<67[4]**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<1**	**<1**	**<1**	**<1**	**<1**	**40.3**	**-**
MW-8	08/31/2011	61.71	12.01	49.70	4,400	240	<67	<0.5	<0.7	41	442	<1	<1	<0.5	33	500	130	26	11	-	-
MW-8	12/15/2011	61.71	11.25	50.46	8,100	96	<67	<0.5	<0.7	79	880	<1	<1	<0.5	72	900	230	46	20	-	-
MW-8	02/06/2012	61.71	10.00	51.71	13,000	290	<69	<1	<1	110	1,280	<2	<2	<1	89	1,400	450	36	18	-	-
MW-8	05/30/2012	61.71	10.69	51.02	9,500	700	<68	<1	<1	110	1,300	<2	<2	<1	96	1,100	310	59	28	7.1	0.007324
MW-8 DUP	05/30/2012	61.71	10.69	51.02	10,000	450	<66	<1	<1	110	1,300	<2	<2	<1	93	1,300	340	58	27	5.3	0.007248
MW-8	08/08/2012	61.71	11.30	50.41	9,300	290[4]	<66[4]	<1	<1	92	850	<1	<1	<1	73	910	190	49	22	3.4	-
MW-8 DUP	08/08/2012	61.71	11.30	50.41	11,000	240[4]	<66[4]	<1	<1	83	710	<1	<1	<1	67	680	140	44	20	3.6	-
MW-8	**12/05/2012**	**61.71**	**9.61**	**52.10**	**13,000**	**2,600[4]**	**200[4]**	**<0.5**	**0.8**	**95**	**1,100**	**<0.5**	**<0.5**	**<0.5**	**93**	**1,400**	**380**	**61**	**27**	**27.6**	**-**
MW-8 DUP	**12/05/2012**	**61.71**	**9.61**	**52.10**	**12,000**	**2,600[4]**	**240[4]**	**<0.5**	**0.8**	**91**	**1,100**	**<0.5**	**<0.5**	**<0.5**	**91**	**1,400**	**360**	**58**	**26**	**27.4**	**-**
MW-9	08/31/2011	62.58	14.29	48.29	<50	78	<68	<0.5	<0.7	<0.8	<0.8	<1	<1	<0.5	<1	<1	<1	<1	<1	-	-
MW-9	12/15/2011	62.58	13.01	49.57	<50	<29	<67	<0.5	<0.7	<0.8	<1.6	<1	<1	<0.5	<1	<1	<1	<1	<1	-	-

TABLE 1

SUMMARY OF GROUNDWATER MONITORING DATA
FORMER TIDEWATER SERVICE STATION
PHILLIPS 66 SITE 5173
CHEVRON SITE 301233
2800 MARTIN LUTHER KING JUNIOR WAY SOUTH
SEATTLE, WASHINGTON

					HYDROCARBONS			*PRIMARY VOCS*													
Location	Date	*TOC*	*DTW*	*GWE*	*TPH-GRO*	*TPH-DRO*	*TPH-HRO*	*B*	*T*	*E*	*X*	*EDB*	*EDC*	*MTBE*	*Naphthalene*	*1,2,4-Trimethylbenzene*	*1,3,5-Trimethylbenzene*	*N-Propylbenzene*	*Isopropyl benzene*	*Lead (Total)*	*cPAHs*
	Units	*ft*	*ft*	*ft-amsl*	*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*	*µg/L*	*µg/L*	*µg/L*
MW-9	02/06/2012	62.58	12.04	50.54	66	<300	<700[1]	<0.5	<0.7	<0.8	<1.6	<1	<1	<0.5	<1	<1	<1	<1	<1	-	-
MW-9	05/30/2012	52.58	12.53	40.05	66	<29	<67	<0.5	<0.7	<0.8	<0.8	<1	<1	<0.5	<1	<1	<1	<1	<1	0.31	0.007248
MW-9	08/08/2012	62.58	13.37	49.21	<50	<29[4]	<67[4]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	<1	<1	0.87	-
MW-9	**12/05/2012**	**62.58**	**12.05**	**50.53**	**<50**	**39[4]**	**<69[4]**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<1**	**<1**	**<1**	**<1**	**<1**	**0.33**	**-**
MW-10	08/31/2011	58.96	11.94	47.02	<50	260	100	2	<0.7	<0.8	<0.8	<1	<1	<0.5	<1	<1	<1	<1	<1	-	-
MW-10	12/15/2011	58.96	11.13	47.83	51	<28	<66	3	<0.7	<0.8	0.8	<1	<1	<0.5	<1	<1	<1	2	<1	-	-
MW-10	02/06/2012	58.96	10.44	48.52	<50[2]	<29	<68	1	<0.7	<0.8	<1.6	<1	<1	<0.5	<1	<1	<1	3	1	-	-
MW-10	05/30/2012	58.96	10.77	48.19	<50	74	<66	<0.5	<0.7	<0.8	<0.8	<1	<1	<0.5	<1	<1	<1	<1	<1	0.46	0.007248
MW-10 DUP	05/30/2012	58.96	10.77	48.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.49	-
MW-10	08/07/2012	58.96	11.41	47.55	110	130[4]	<68[4]	1	<0.5	<0.5	1	<0.5	<0.5	<0.5	<1	<1	<1	10	4	<0.034	-
MW-10	**12/06/2012**	**58.96**	**11.31**	**47.65**	**130**	**220[4]**	**<72[4]**	**3**	**0.6**	**<0.5**	**4**	**<0.5**	**<0.5**	**<0.5**	**<1**	**<1**	**<1**	**24**	**10**	**0.28**	**-**
Trip Blank	08/08/2012	-	-	-	<50	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	<1	<1	-	-
Trip Blank	**12/05/2012**	**-**	**-**	**-**	**<50**	**-**	**-**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<1**	**<1**	**<1**	**<1**	**<1**	**-**	**-**

Abbreviations and Notes

TOC = Top of casing

DTW = Depth to water

GWE = Groundwater elevation

(ft-amsl) = Feet above mean sea level

ft = Feet

µg/L = Micrograms per liter

TPH-GRO = Total petroleum hydrocarbons - gasoline range organics

TPH-DRO = Total petroleum hydrocarbons - diesel range organics

TABLE 1

SUMMARY OF GROUNDWATER MONITORING DATA
FORMER TIDEWATER SERVICE STATION
PHILLIPS 66 SITE 5173
CHEVRON SITE 301233
2800 MARTIN LUTHER KING JUNIOR WAY SOUTH
SEATTLE, WASHINGTON

					HYDROCARBONS			*PRIMARY VOCS*													
Location	Date	*TOC*	*DTW*	*GWE*	*TPH-GRO*	*TPH-DRO*	*TPH-HRO*	*B*	*T*	*E*	*X*	*EDB*	*EDC*	*MTBE*	*Naphthalene*	*1,2,4-Trimethylbenzene*	*1,3,5-Trimethylbenzene*	*N-Propylbenzene*	*Isopropyl benzene*	*Lead (Total)*	*cPAHs*
	Units	*ft*	*ft*	*ft-amsl*	*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*	*µg/L*	*µg/L*	*µg/L*

TPH-HRO = Total petroleum hydrocarbons - oil range organics

VOCS = Volatile organic compounds

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylene

Xylenes = o-xylene + m,p-xylene

BTEX = Benzene, toluene, ethylbenzene, and xylenes analyzed by EPA Method 8260B; except the April 25, 1990 sample from EW-1 analyzed by EPA Method 8020

EDB = 1,2 Dibromoethane analyzed by EPA Method 8011

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

MTBE = Methyl tert butyl ether

cPAHs = Carcinogenic Polycyclic Aromatic Hydrocarbons analyzed by EPA Method 8270c Selective Ion Monitoring

Total Lead analyzed by EPA Method 6020

-- = Not available / not applicable.I286

<x = Not detected above laboratory method detection limit.

1 Reporting limits were raised due to interference from the sample matrix. The surrogate data is outside the QC limits due to unresolvable matrix problems evident in the sample chromatogram.

2 A preserved vial was submitted for analysis. However, the pH at the time of analysis was 4.

3 Well not sampled - well not found.

4 Analysis with silica-gel cleanup.

ATTACHMENT A

MONITORING DATA PACKAGE

WATER LEVEL RECORD

PROJECT NAME: _____ LOCATION: 2800 MLK Way

JOB NO.: 619 DATE: 12/5/12

CLIENT: P66 ENGINEER/GEOLOGIST: NH, DE

OBSERVATION WELL	TOP OF CASING ELEVATION A		DEPTH TO WATER B		WATER LEVEL ELEVATION A-B	
	feet	metres	feet	metres	feet	metres
MW-7			10.46			
MW-6			11.60			
MW-10			11.31			
MW-1			9.51			
MW-3			9.91			
MW-5			9.74			
MW-2			10.61			
MW-8			9.61			
MW-4			10.19			
MW-9			12.05			

CRA

Former Tidewater Site
Seattle, WA

Water Quality Meter S/N: _____

Date: 12/6/12

Location: MW-7
Name of Sampler: D Escobedo
Weather: Cloudy, 50°F

Depth to Water: 10.44
Depth to Bottom: _____

Sample Depth: _____

QA/QC
MS/MSD _____
Duplicate _____
Blank _____

QA/QC Sample ID
(GW-mmddyy-AA-XXX)
_____

Sample IDs (GW-mmddyy-AA-XXX)

A Samplers Initials
x Location ID

GW- 120612-DE-MW7

Sample Method: peri pump
Purge Start: 13:00
Sample Time: 14:00

1 Well Volume: _____
3 Well Volumes: _____

water column height(ft) X
0.162(2" casing)

Time	pH (+/- 0.1 S.U.)	Cond (mS/cm) 3%	Turb. (NTU)	DO (mg/L) 10%	Temp (C°) 3%	ORP (mV) 10%	Salinity (%)	TDS (ppm)	Total Volume Removed (gallons)	Flow (ml/min) < 0.2 LPM	W/L (Feet BTOC)	Water Quality/Description
13:05	7.00	0.90	7000	0.00	13.55	-129	0.1	0.50	1/8	0.19	10.45	
13:10	7.01	0.90	457	0.00	13.32	-126	0.1	0.50	1/4	0.19	10.45	
13:15	7.02	0.90	513	0.00	13.55	-126	0.1	0.50	3/8	0.19	10.45	
13:20	7.06	0.90	165	0.00	13.44	-126	0.1	0.50	1/2	0.19	10.45	

Analysis:

Groundwater		**Preservative**
GRO	X	HCL
DRO	X	HCL
VOCs	X	HCL
SVOCs	X	
Total Lead	X	

Signed _____

Notes:

Former Tidewater Site
Seattle, WA

Water Quality Meter S/N: _____

Date: 12/05/12

Location: MW-4
Name of Sampler: DESCHUTES
Weather: 50°F

Depth to Water: 10.16
Depth to Bottom: _____

Sample Depth: _____

QA/QC
MS/MSD _____
Duplicate _____
Blank _____

QA/QC Sample ID
(GW-mmddyy-AA-XXX)
_____

Sample IDs (GW-mmddyy-AA-XXX)

A Samplers Initials
x Location ID

GW- 120512-DE-MW4

Sample Method: PVC Bump
Purge Start: 10:55
Sample Time: 11:50

1 Well Volume: _____
3 Well Volumes: _____

water column height(ft) X
0.162(2" casing)

Time	pH (+/- 0.1 S.U.)	Cond (mS/cm) 3%	Turb. (NTU)	DO (mg/L) 10%	Temp (C°) 3%	ORP (mV) 10%	Salinity (%)	TDS (ppm)	Total Volume Removed (gallons)	Flow (ml/min) < 0.2 LPM	W/L (Feet BTOC)	Water Quality/Description
11:00	6.75	0.90	>1000	0.05	12.97	-38	0.1	0.4	1/8	0.19	10.28	
11:05	6.69	0.90	71000	0.00	12.93	-102	0.0	0.4	1/4	0.19	10.28	
11:10	6.67	0.90	71000	0.00	12.88	-100	0.0	0.3	3/8	0.19	10.27	
11:15	6.66	0.90	71000	0.00	13.22	-99	0.0	0.3	1/2	0.19	10.28	
11:20	6.66	0.90	962	0.00	13.07	-99	0.0	0.3	5/8	0.19	10.28	
11:25	6.64	0.90	983	0.00	13.08	-99	0.0	0.3	3/4	0.19	10.28	

Analysis:

Groundwater		**Preservative**
GRO	X	HCL
DRO	X	HCL
VOCs	X	HCL
SVOCs	X	
Total Lead	X	

Signed _____

Notes:

Former Tidewater Site
Seattle, WA

Water Quality Meter S/N: _____

Date: 12/05/12

Location: MW-1
Name of Sampler: D. Escobedo
Weather: Sunny, 50°F
Depth to Water: 9.38
Depth to Bottom: _____
Sample Depth: _____

QA/QC
MS/MSD _____
Duplicate _____
Blank _____

QA/QC Sample ID
(GW-mmddyy-AA-XXX)
_____

Sample IDs (GW-mmddyy-AA-XXX)

A Samplers Initials
x Location ID

GW- 120512-DE-MW1

Sample Method: Peri Pump
Purge Start: 12:50
Sample Time: 13:30

1 Well Volume: _____
3 Well Volumes: _____

water column height(ft) X
0.162(2" casing)

Time	pH (+/- 0.1 S.U.)	Cond (mS/cm) 3%	Turb. (NTU)	DO (mg/L) 10%	Temp (C°) 3%	ORP (mV) 10%	Salinity (%)	TDS (ppm)	Total Volume Removed (gallons)	Flow (ml/min) < 0.2 LPM	W/L (Feet BTOC)	Water Quality/Description
12:55	6.78	0.90	7000	2.10	12.45	-81	0.1	0.3	1/8	0.19	9.55	
13:00	6.78	0.90	593	0.00	12.72	-94	0.0	0.3	1/4	0.19	9.59	
13:05	6.77	0.90	285	0.00	12.66	-88	0.1	0.3	3/8	0.19	9.60	
13:10	6.75	0.90	231	0.00	12.69	-82	0.1	0.3	1/2	0.19	9.60	
13:15	6.73	0.90	833	0.00	13.02	-78	0.1	0.3	5/8	0.19	9.60	
13:20	6.72	0.90	391	0.00	12.77	-76	0.1	0.3	3/4	0.19	9.60	

Analysis:

Groundwater		**Preservative**
GRO	X	HCL
DRO	X	HCL
VOCs	X	HCL
SVOCs	X	
Total Lead	X	

Signed _____

Notes:

Former Tidewater Site
Seattle, WA

Water Quality Meter S/N: _____

Date: 12/6/12

Location: MW-3
Name of Sampler: Discobedo
Weather: raining, cloudy
Depth to Water: 9.63
Depth to Bottom: _____
Sample Depth: _____

QA/QC
MS/MSD X
Duplicate _____
Blank _____

QA/QC Sample ID
(GW-mmddyy-AA-XXX)
_____

Sample IDs (GW-mmddyy-AA-XXX)

A Samplers Initials
x Location ID

GW- 120612-DE-MW3

Sample Method: Peri Pump
Purge Start: 0945
Sample Time: 10:45

1 Well Volume: _____
3 Well Volumes: _____

water column height(ft) X
0.162(2" casing)

Time	pH (+/- 0.1 S.U.)	Cond (mS/cm) 3%	Turb. (NTU)	DO (mg/L) 10%	Temp (C°) 3%	ORP (mV) 10%	Salinity (%)	TDS (ppm)	Total Volume Removed (gallons)	Flow (ml/min) < 0.2 LPM	W/L (Feet BTOC)	Water Quality/Description
0950	6.72	0.90	901	0.65	10.42	-99	0.1	0.3	1/8	0.17	9.85	
0955	6.70	0.90	739	0.48	10.31	-93	0.1	0.3	1/4	0.17	9.87	
1000	10.65	0.90	6.52	0.10	10.22	-88	0.1	0.3	3/8	0.17	9.89	
1005	6.64	0.90	408	0.00	10.18	-74	0.1	0.3	1/2	0.17	9.91	
1010	6.64	0.90	150	0.00	10.21	-73	0.1	0.3	5/8	0.17	9.93	
10:15	6.64	0.90	66.0	0.00	10.23	-74	0.1	0.3	3/4	0.17	9.95	

Analysis:

Groundwater		**Preservative**
GRO	X	HCL
DRO	X	HCL
VOCs	X	HCL
SVOCs	X	
Total Lead	X	

Signed _____

Notes:

ormer Tidewater Site
Seattle, WA

Location: MW-10
Name of Sampler: D. Grobedo
Weather: rain 40s

Depth to Water: 10.08
Depth to Bottom: _____

Water Quality Meter S/N: _____

Sample Depth: _____

Date: _____

QA/QC
MS/MSD _____
Duplicate _____
Blank _____

QA/QC Sample ID
(GW-mmddyy-AA-XXX)
_____

Sample IDs (GW-mmddyy-AA-XXX)
GW- 120612-DE-MW10

A Samplers Initials
x Location ID

Sample Method: peristaltic pump
Purge Start: 12:00
Sample Time: 12:45

1 Well Volume: _____
3 Well Volumes: _____

water column height(ft) X
0.162(2" casing)

Time	pH (+/- 0.1 S.U.)	Cond (mS/cm) 3%	Turb. (NTU)	DO (mg/L) 10%	Temp (C°) 3%	ORP (mV) 10%	Salinity (%)	TDS (ppm)	Total Volume Removed (gallons)	Flow (ml/min) < 0.2 LPM	W/L (Feet BTOC)	Water Quality/Description
12:05	6.75	2.15	161.0	6.20	14.19	-60	0.1	1.4	1/4	0.19	10.69	
12:10	6.64	2.18	135.0	4.36	14.35	-73	0.1	1.4	1/4	0.19	10.69	
12:15	6.65	2.20	111.0	0.12	14.56	-79	0.1	1.4	3/4	0.19	10.69	
12:20	6.68	2.21	97.5	0.00	14.86	-89	0.1	1.4	3/4	0.19	10.69	
12:25	6.69	2.24	81.4	0.00	14.69	-92	0.1	1.4	5/4	0.19	10.69	
12:30	6.70	2.27	73.6	0.00	14.56	-95	0.1	1.4	1	0.19	10.69	

Analysis:

Groundwater
GRO
DRO
VOCs
SVOCs
Total Lead

Preservative
HCL
HCL
HCL

Signed _____

Notes:

Former Tidewater Site
Seattle, WA

Water Quality Meter S/N: _____

Date: 12/05/12

Location: MW9
Name of Sampler: N. Hinspeger
Weather: CLEAR

QA/QC
MS/MSD _____
Duplicate _____
Blank _____

Depth to Water: 12.03
Depth to Bottom: _____

Sample Depth: _____

Sample IDs (GW-mmddyy-AA-XXX)

A Samplers Initials
x Location ID

GW- 120512-NH-MW9

QA/QC Sample ID
(GW-mmddyy-AA-XXX)

_____

Sample Method: Low Flow
Purge Start: 13:30
Sample Time: 14:30

1 Well Volume: _____
3 Well Volumes: _____

water column height(ft) X
0.162(2" casing)

Time	pH (+/- 0.1 S.U.)	Cond (mS/cm) 3%	Turb. (NTU)	DO (mg/L) 10%	Temp (C°) 3%	ORP (mV) 10%	Salinity (%)	TDS (ppm)	Total Volume Removed (gallons)	Flow (ml/min) < 0.2 LPM	W/L (Feet BTOC)	Water Quality/Description
13:38	6.58	0.90	-5.0	2.54	13.74	-82	0.0	0.4		.100	12.08	TURBID
13:43	6.59	0.90	-5.0	2.51	13.75	-84	0.0	0.4		.100	12.08	" "
13:48	6.63	0.90	-5.0	2.50	13.83	-86	0.0	0.4		.100	12.08	" "

Analysis:

Groundwater		**Preservative**
GRO	✓	HCL
DRO	✓	HCL
VOCs	✓	HCL
SVOCs	✓	
Total Lead	✓	

Signed _____

Notes:

Former Tidewater Site
Seattle, WA

Water Quality Meter S/N: _____

Date: 12/05/12

Location: MW 8
Name of Sampler: N. Winsperger
Weather: CLEAR

QA/QC
MS/MSD _____
Duplicate X
Blank _____

Depth to Water: 9.41
Depth to Bottom: _____

Sample Depth: _____

Sample IDs (GW-mmddyy-AA-XXX)

A Samplers Initials
x Location ID

GW- 120512 - NH - MW 8

QA/QC Sample ID
(GW-mmddyy-AA-XXX)

GW-120512-NH-FD1

Sample Method: Low Flow
Purge Start: 10:53
Sample Time: 11:45

1 Well Volume: _____
3 Well Volumes: _____

water column height(ft) X
0.162(2" casing)

Time	pH (+/- 0.1 S.U.)	Cond (mS/cm) 3%	Turb. (NTU)	DO (mg/L) 10%	Temp (C°) 3%	ORP (mV) 10%	Salinity (%)	TDS (ppm)	Total Volume Removed (gallons)	Flow (ml/min) < 0.2 LPM	W/L (Feet BTOC)	Water Quality/Description
11:00	6.55	.002	11.90	11.23	15.12	111	0.0	0.0		.150	9.70	CLEAR
11:05	6.86	0.998	2.8	1.45	11.60	-87	0.0	0.0		.150	9.70	"
11:10	6.42	0.998	1.9	0.0	12.08	-97	0.1	1.25		.150	9.70	"
11:15	6.10	0.998	1.7	0.0	12.00	-99	0.0	0.4		.150	9.70	"
11:20	6.12	0.998	0.0	0.0	12.38	-99	0.0	0.4		.150	9.70	"
11:25	6.13	0.998	0.0	0.0	12.40	-99	0.0	0.5		.150	9.70	"

Analysis:

Groundwater		Preservative
GRO	✓	HCL
DRO	✓	HCL
VOCs	✓	HCL
SVOCs	✓	
Total Lead	✓	

Signed _____

Notes:

Former Tidewater Site
Seattle, WA

Water Quality Meter S/N: _____

Date: 12/06/12

Location: MW 5
Name of Sampler: N. Hinspeger
Weather: RAIN

Depth to Water: 10:00
Depth to Bottom: _____

Sample Depth: _____

QA/QC
MS/MSD _____
Duplicate _____
Blank _____

Sample IDs (GW-mmddyy-AA-XXX)

A Samplers Initials
x Location ID

GW- 120612 - NH - MW5

QA/QC Sample ID
(GW-mmddyy-AA-XXX)

_____

Sample Method: LOW FLOW
Purge Start: 10:11
Sample Time: 11:00

1 Well Volume: _____
3 Well Volumes: _____

water column height(ft) X
0.162(2" casing)

Time	pH (+/- 0.1 S.U.)	Cond (mS/cm) 3%	Turb. (NTU)	DO (mg/L) 10%	Temp (C°) 3%	ORP (mV) 10%	Salinity (%)	TDS (ppm)	Total Volume Removed (gallons)	Flow (ml/min) < 0.2 LPM	W/L (Feet BTOC)	Water Quality/Description
10:17	6.24	0.90	7.9	0.0	10.14	43	0.0	0.3		0.100	10.00	CLEAR
10:22	6.25	0.90	4.3	0.0	9.91	42	0.1	6.3		0.100	10.00	"
10:27	6.27	0.90	0.0	0.0	9.98	41	0.1	0.3		0.100	10.00	"

Analysis:

Groundwater		**Preservative**
GRO	✓	HCL
DRO	✓	HCL
VOCs	✓	HCL
SVOCs		
Total Lead		

Signed _____

Notes:

Former Tidewater Site
Seattle, WA

Water Quality Meter S/N: _____

Date: 12/06/12

Location: MW 6
Name of Sampler: N. Himpsuger
Weather: RAIN

Depth to Water: 11.49
Depth to Bottom: _____

Sample Depth: _____

QA/QC
MS/MSD _____
Duplicate _____
Blank _____

Sample IDs (GW-mmddyy-AA-XXX)

A Samplers Initials
x Location ID

GW- 120612 - NH - MW6

QA/QC Sample ID
(GW-mmddyy-AA-XXX)

_____

Sample Method: LOW FLOW
Purge Start: 13:03
Sample Time: 14:00

1 Well Volume: _____
3 Well Volumes: _____

water column height(ft) X
0.162(2" casing)

Time	pH (+/- 0.1 S.U.)	Cond (mS/cm) 3%	Turb. (NTU)	DO (mg/L) 10%	Temp (C°) 3%	ORP (mV) 10%	Salinity (%)	TDS (ppm)	Total Volume Removed (gallons)	Flow (ml/min) < 0.2 LPM	W/L (Feet BTOC)	Water Quality/Description
13:10	6.31	1.16	0.0	0.0	15.00	-157	0.1	0.8		.100	11.49	CLEAR
13:15	6.31	1.18	0.0	0.0	14.86	-158	0.1	0.8		.100	11.49	"
13:20	6.32	1.19	0.0	0.0	14.77	-163	0.1	0.8		.100	11.49	"
13:25	6.32	1.20	0.0	0.0	14.63	-165	0.1	0.8		.100	11.49	"

Analysis:

Groundwater		**Preservative**
GRO	✓	HCL
DRO	✓	HCL
VOCs	✓	HCL
SVOCs	✓	
Total Lead	✓	

Signed _____

Notes:

Former Tidewater Site
Seattle, WA

Water Quality Meter S/N: _____

Date: 12/06/12

Location: MW 2
Name of Sampler: N. Hinsperger
Weather: RAIN

Depth to Water: 9.99
Depth to Bottom: _____

Sample Depth: _____

QA/QC
MS/MSD _____
Duplicate _____
Blank _____

Sample IDs (GW-mmddyy-AA-XXX)

A Samplers Initials
x Location ID

GW- 120612 - NH - MW 2

QA/QC Sample ID
(GW-mmddyy-AA-XXX)

_____

Sample Method: LOW FLOW
Purge Start: 11:41
Sample Time: 12:30

1 Well Volume: _____
3 Well Volumes: _____

water column height(ft) X
0.162(2" casing)

Time	pH (+/- 0.1 S.U.)	Cond (mS/cm) 3%	Turb. (NTU)	DO (mg/L) 10%	Temp (C°) 3%	ORP (mV) 10%	Salinity (%)	TDS (ppm)	Total Volume Removed (gallons)	Flow (ml/min) < 0.2 LPM	W/L (Feet BTOC)	Water Quality/Description
11:49	6.11	0.99	530.0	0.0	12.09	-102	0.1	0.4		.100	9.99	TURBID
11:54	6.15	0.99	647.0	0.0	12.13	-101	0.1	0.4		.100	9.99	" "
11:59	6.10	0.99	617.0	0.0	12.29	-100	0.1	0.4		.100	9.99	" "
12:04	6.09	0.99	626.0	0.0	12.21	-101	0.1	0.4		.100	9.99	" "

Analysis:

Groundwater		**Preservative**
GRO	✓	HCL
DRO	✓	HCL
VOCs	✓	HCL
SVOCs	✓	
Total Lead	✓	

Signed _____

Notes:

ATTACHMENT B

LABORATORY ANALYTICAL REPORT

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

Conestoga-Rovers & Associates
10969 Trade Center Drive
Suite 107
Rancho Cordova CA 95670

December 21, 2012

Project: 301233 Tidewater Seattle

Submittal Date: 12/11/2012
Group Number: 1355354
PO Number: 061992-2012.3
State of Sample Origin: WA

Client Sample Description	Lancaster Labs (LLI) #
GW-120512-DE-MW1 Grab Groundwater	6890265
GW-120612-DE-MW7 Grab Groundwater	6890266
GW-120612-DE-MW3 Grab Groundwater	6890267
GW-120612-DE-MW3 MS Grab Groundwater	6890268
GW-120612-DE-MW3 MSD Grab Groundwater	6890269
GW-120512-NH-MW8 Grab Groundwater	6890270
GW-120512-NH-FD1 Grab Groundwater	6890271
GW-120612-NH-MW5 Grab Groundwater	6890272
GW-120512-DE-MW4 Grab Groundwater	6890273
GW-120612-NH-MW6 Grab Groundwater	6890274
GW-120612-DE-MW10 Grab Groundwater	6890275
GW-120512-NH-MW9 Grab Groundwater	6890276
GW-120612-NH-MW2 Grab Groundwater	6890277
Trip Blank Water	6890278

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO	Conestoga-Rovers & Associates	Attn: Haroon Rahmani
ELECTRONIC COPY TO	CRA	Attn: Edwin Turner
ELECTRONIC COPY TO	Conestoga-Rovers & Associates	Attn: Jeffrey Cloud
ELECTRONIC COPY TO	Conestoga-Rovers & Associates	Attn: Matt Davis
ELECTRONIC COPY TO	Chevron	Attn: Anna Avina
ELECTRONIC	Chevron c/o CRA	Attn: Report Contact

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

COPY TO

Respectfully Submitted,

Jill M. Parker
Senior Specialist

(717) 556-7262

Sample Description: GW-120512-DE-MW1 Grab Groundwater
MLK Tidewater Site
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6890265
LLI Group # 1355354
Account # 13534

Project Name: 301233 Tidewater Seattle

Collected: 12/05/2012 13:50 by DE

Submitted: 12/11/2012 09:25
Reported: 12/21/2012 10:21

Conestoga-Rovers & Associates
10969 Trade Center Drive
Suite 107
Rancho Cordova CA 95670

TDS01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10335	Acetone	67-64-1	N.D.	6	1
10335	Benzene	71-43-2	N.D.	0.5	1
10335	Bromobenzene	108-86-1	N.D.	1	1
10335	Bromochloromethane	74-97-5	N.D.	1	1
10335	Bromodichloromethane	75-27-4	N.D.	1	1
10335	Bromoform	75-25-2	N.D.	1	1
10335	Bromomethane	74-83-9	N.D.	1	1
10335	2-Butanone	78-93-3	N.D.	3	1
10335	n-Butylbenzene	104-51-8	N.D.	1	1
10335	sec-Butylbenzene	135-98-8	N.D.	1	1
10335	tert-Butylbenzene	98-06-6	N.D.	1	1
10335	Carbon Disulfide	75-15-0	N.D.	1	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1	1
10335	Chlorobenzene	108-90-7	N.D.	0.8	1
10335	Chloroethane	75-00-3	N.D.	1	1
10335	Chloroform	67-66-3	2	0.8	1
10335	Chloromethane	74-87-3	N.D.	1	1
10335	2-Chlorotoluene	95-49-8	N.D.	1	1
10335	4-Chlorotoluene	106-43-4	N.D.	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	1
10335	Dibromochloromethane	124-48-1	N.D.	1	1
10335	1,2-Dibromoethane	106-93-4	N.D.	0.5	1
10335	Dibromomethane	74-95-3	N.D.	1	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	1	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	1	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	1	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	2	1
10335	1,1-Dichloroethane	75-34-3	N.D.	1	1
10335	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10335	cis-1,2-Dichloroethene	156-59-2	34	0.8	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1	1
10335	1,3-Dichloropropane	142-28-9	N.D.	1	1
10335	2,2-Dichloropropane	594-20-7	N.D.	1	1
10335	1,1-Dichloropropene	563-58-6	N.D.	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10335	Ethylbenzene	100-41-4	N.D.	0.5	1
10335	Hexachlorobutadiene	87-68-3	N.D.	2	1
10335	2-Hexanone	591-78-6	N.D.	3	1
10335	Isopropylbenzene	98-82-8	N.D.	1	1
10335	p-Isopropyltoluene	99-87-6	N.D.	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10335	4-Methyl-2-pentanone	108-10-1	N.D.	3	1
10335	Methylene Chloride	75-09-2	N.D.	2	1
10335	Naphthalene	91-20-3	N.D.	1	1
10335	n-Propylbenzene	103-65-1	N.D.	1	1
10335	Styrene	100-42-5	N.D.	1	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1	1

Sample Description: GW-120512-DE-MW1 Grab Groundwater
MLK Tidewater Site
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6890265
LLI Group # 1355354
Account # 13534

Project Name: 301233 Tidewater Seattle

Collected: 12/05/2012 13:50 by DE

Submitted: 12/11/2012 09:25
Reported: 12/21/2012 10:21

Conestoga-Rovers & Associates
10969 Trade Center Drive
Suite 107
Rancho Cordova CA 95670

TDS01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10335	Tetrachloroethene	127-18-4	6	0.8	1
10335	Toluene	108-88-3	N.D.	0.5	1
10335	1,2,3-Trichlorobenzene	87-61-6	N.D.	1	1
10335	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10335	Trichloroethene	79-01-6	8	1	1
10335	Trichlorofluoromethane	75-69-4	N.D.	2	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	N.D.	1	1
10335	1,3,5-Trimethylbenzene	108-67-8	N.D.	1	1
10335	Vinyl Chloride	75-01-4	4	1	1
10335	m+p-Xylene	179601-23-1	N.D.	0.5	1
10335	o-Xylene	95-47-6	N.D.	0.5	1
10335	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	
08357	Benzo(a)anthracene	56-55-3	N.D.	0.0096	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.0096	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.0096	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.0096	1
08357	Chrysene	218-01-9	N.D.	0.0096	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.0096	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.0096	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.0096	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.0096	1
08357	Naphthalene	91-20-3	N.D.	0.029	1

The recovery for a target analyte(s) in the Laboratory Control Spike(s) is outside the QC acceptance limits as noted on the QC Summary. The following corrective action was taken:
The sample was re-extracted outside the method required holding time and the QC is compliant. All results are reported from the first trial. Similar results were obtained in both trials.

GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
02211	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	69	1
Metals	**SW-846 6020**		**ug/l**	**ug/l**	
06035	Lead	7439-92-1	27.7	0.047	1

Sample Description: GW-120512-DE-MW1 Grab Groundwater
MLK Tidewater Site
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6890265
LLI Group # 1355354
Account # 13534

Project Name: 301233 Tidewater Seattle

Collected: 12/05/2012 13:50 by DE

Submitted: 12/11/2012 09:25
Reported: 12/21/2012 10:21

Conestoga-Rovers & Associates
10969 Trade Center Drive
Suite 107
Rancho Cordova CA 95670

TDS01

General Sample Comments

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	8260 Solvent Compound - Water	SW-846 8260B	1	Y123492AA	12/14/2012 15:35	Chelsea B Stong	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y123492AA	12/14/2012 15:35	Chelsea B Stong	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	12347WAD026	12/17/2012 13:07	Mark A Clark	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	12347WAD026	12/12/2012 18:30	Nicholas W Shroyer	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12347A20A	12/13/2012 18:19	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	12347A20A	12/13/2012 18:19	Catherine J Schwarz	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	123520016A	12/20/2012 22:16	Christine E Dolman	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	123520016A	12/17/2012 22:00	Elaine F Stoltzfus	1
06035	Lead	SW-846 6020	1	123476050002A	12/13/2012 10:47	Choon Y Tian	1
06050	ICP/MS SW-846 Water Digest	SW-846 3020A	1	123476050002	12/12/2012 23:45	Annamaria Stipkovits	1

Sample Description: GW-120612-DE-MW7 Grab Groundwater
MLK Tidewater Site
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6890266
LLI Group # 1355354
Account # 13534

Project Name: 301233 Tidewater Seattle

Collected: 12/06/2012 14:00 by DE

Submitted: 12/11/2012 09:25
Reported: 12/21/2012 10:21

Conestoga-Rovers & Associates
10969 Trade Center Drive
Suite 107
Rancho Cordova CA 95670

TDS07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10335	Acetone	67-64-1	N.D.	6	1
10335	Benzene	71-43-2	N.D.	0.5	1
10335	Bromobenzene	108-86-1	N.D.	1	1
10335	Bromochloromethane	74-97-5	N.D.	1	1
10335	Bromodichloromethane	75-27-4	N.D.	1	1
10335	Bromoform	75-25-2	N.D.	1	1
10335	Bromomethane	74-83-9	N.D.	1	1
10335	2-Butanone	78-93-3	N.D.	3	1
10335	n-Butylbenzene	104-51-8	N.D.	1	1
10335	sec-Butylbenzene	135-98-8	N.D.	1	1
10335	tert-Butylbenzene	98-06-6	N.D.	1	1
10335	Carbon Disulfide	75-15-0	N.D.	1	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1	1
10335	Chlorobenzene	108-90-7	N.D.	0.8	1
10335	Chloroethane	75-00-3	N.D.	1	1
10335	Chloroform	67-66-3	N.D.	0.8	1
10335	Chloromethane	74-87-3	N.D.	1	1
10335	2-Chlorotoluene	95-49-8	N.D.	1	1
10335	4-Chlorotoluene	106-43-4	N.D.	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	1
10335	Dibromochloromethane	124-48-1	N.D.	1	1
10335	1,2-Dibromoethane	106-93-4	N.D.	0.5	1
10335	Dibromomethane	74-95-3	N.D.	1	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	1	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	1	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	1	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	2	1
10335	1,1-Dichloroethane	75-34-3	N.D.	1	1
10335	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10335	cis-1,2-Dichloroethene	156-59-2	3	0.8	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1	1
10335	1,3-Dichloropropane	142-28-9	N.D.	1	1
10335	2,2-Dichloropropane	594-20-7	N.D.	1	1
10335	1,1-Dichloropropene	563-58-6	N.D.	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10335	Ethylbenzene	100-41-4	N.D.	0.5	1
10335	Hexachlorobutadiene	87-68-3	N.D.	2	1
10335	2-Hexanone	591-78-6	N.D.	3	1
10335	Isopropylbenzene	98-82-8	N.D.	1	1
10335	p-Isopropyltoluene	99-87-6	N.D.	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10335	4-Methyl-2-pentanone	108-10-1	N.D.	3	1
10335	Methylene Chloride	75-09-2	N.D.	2	1
10335	Naphthalene	91-20-3	N.D.	1	1
10335	n-Propylbenzene	103-65-1	N.D.	1	1
10335	Styrene	100-42-5	N.D.	1	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1	1

Sample Description: GW-120612-DE-MW7 Grab Groundwater
MLK Tidewater Site
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6890266
LLI Group # 1355354
Account # 13534

Project Name: 301233 Tidewater Seattle

Collected: 12/06/2012 14:00 by DE

Submitted: 12/11/2012 09:25
Reported: 12/21/2012 10:21

Conestoga-Rovers & Associates
10969 Trade Center Drive
Suite 107
Rancho Cordova CA 95670

TDS07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10335	Tetrachloroethene	127-18-4	N.D.	0.8	1
10335	Toluene	108-88-3	N.D.	0.5	1
10335	1,2,3-Trichlorobenzene	87-61-6	N.D.	1	1
10335	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10335	Trichloroethene	79-01-6	N.D.	1	1
10335	Trichlorofluoromethane	75-69-4	N.D.	2	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	N.D.	1	1
10335	1,3,5-Trimethylbenzene	108-67-8	N.D.	1	1
10335	Vinyl Chloride	75-01-4	7	1	1
10335	m+p-Xylene	179601-23-1	N.D.	0.5	1
10335	o-Xylene	95-47-6	N.D.	0.5	1
10335	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	
08357	Benzo(a)anthracene	56-55-3	0.013	0.0099	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.0099	1
08357	Benzo(b)fluoranthene	205-99-2	0.011	0.0099	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.0099	1
08357	Chrysene	218-01-9	0.030	0.0099	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.0099	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.0099	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.0099	1
08357	2-Methylnaphthalene	91-57-6	0.016	0.0099	1
08357	Naphthalene	91-20-3	N.D.	0.030	1

The recovery for a target analyte(s) in the Laboratory Control Spike(s) is outside the QC acceptance limits as noted on the QC Summary. The following corrective action was taken:
The sample was re-extracted outside the method required holding time and the QC is compliant. All results are reported from the first trial. Similar results were obtained in both trials.

GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
02211	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	67	1
Metals	**SW-846 6020**		**ug/l**	**ug/l**	
06035	Lead	7439-92-1	40.3	0.047	1

Sample Description: GW-120612-DE-MW7 Grab Groundwater
MLK Tidewater Site
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6890266
LLI Group # 1355354
Account # 13534

Project Name: 301233 Tidewater Seattle

Collected: 12/06/2012 14:00 by DE

Submitted: 12/11/2012 09:25
Reported: 12/21/2012 10:21

Conestoga-Rovers & Associates
10969 Trade Center Drive
Suite 107
Rancho Cordova CA 95670

TDS07

General Sample Comments

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	8260 Solvent Compound - Water	SW-846 8260B	1	Y123492AA	12/14/2012 15:56	Chelsea B Stong	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y123492AA	12/14/2012 15:56	Chelsea B Stong	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	12347WAD026	12/17/2012 13:39	Mark A Clark	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	12347WAD026	12/12/2012 18:30	Nicholas W Shroyer	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12348A53A	12/13/2012 21:27	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	12348A53A	12/13/2012 21:27	Catherine J Schwarz	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	123520016A	12/20/2012 22:39	Christine E Dolman	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	123520016A	12/17/2012 22:00	Elaine F Stoltzfus	1
06035	Lead	SW-846 6020	1	123476050002A	12/13/2012 10:49	Choon Y Tian	1
06050	ICP/MS SW-846 Water Digest	SW-846 3020A	1	123476050002	12/12/2012 23:45	Annamaria Stipkovits	1

Sample Description: GW-120612-DE-MW3 Grab Groundwater
MLK Tidewater Site
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6890267
LLI Group # 1355354
Account # 13534

Project Name: 301233 Tidewater Seattle

Collected: 12/06/2012 10:45 by DE

Submitted: 12/11/2012 09:25
Reported: 12/21/2012 10:21

Conestoga-Rovers & Associates
10969 Trade Center Drive
Suite 107
Rancho Cordova CA 95670

TDS03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10335	Acetone	67-64-1	N.D.	6	1
10335	Benzene	71-43-2	N.D.	0.5	1
10335	Bromobenzene	108-86-1	N.D.	1	1
10335	Bromochloromethane	74-97-5	N.D.	1	1
10335	Bromodichloromethane	75-27-4	N.D.	1	1
10335	Bromoform	75-25-2	N.D.	1	1
10335	Bromomethane	74-83-9	N.D.	1	1
10335	2-Butanone	78-93-3	3	3	1
10335	n-Butylbenzene	104-51-8	9	1	1
10335	sec-Butylbenzene	135-98-8	8	1	1
10335	tert-Butylbenzene	98-06-6	N.D.	1	1
10335	Carbon Disulfide	75-15-0	N.D.	1	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1	1
10335	Chlorobenzene	108-90-7	N.D.	0.8	1
10335	Chloroethane	75-00-3	N.D.	1	1
10335	Chloroform	67-66-3	N.D.	0.8	1
10335	Chloromethane	74-87-3	N.D.	1	1
10335	2-Chlorotoluene	95-49-8	N.D.	1	1
10335	4-Chlorotoluene	106-43-4	N.D.	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	1
10335	Dibromochloromethane	124-48-1	N.D.	1	1
10335	1,2-Dibromoethane	106-93-4	N.D.	0.5	1
10335	Dibromomethane	74-95-3	N.D.	1	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	1	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	1	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	1	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	2	1
10335	1,1-Dichloroethane	75-34-3	N.D.	1	1
10335	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10335	cis-1,2-Dichloroethene	156-59-2	5	0.8	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1	1
10335	1,3-Dichloropropane	142-28-9	N.D.	1	1
10335	2,2-Dichloropropane	594-20-7	N.D.	1	1
10335	1,1-Dichloropropene	563-58-6	N.D.	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10335	Ethylbenzene	100-41-4	160	0.5	1
10335	Hexachlorobutadiene	87-68-3	N.D.	2	1
10335	2-Hexanone	591-78-6	N.D.	3	1
10335	Isopropylbenzene	98-82-8	41	1	1
10335	p-Isopropyltoluene	99-87-6	4	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10335	4-Methyl-2-pentanone	108-10-1	N.D.	3	1
10335	Methylene Chloride	75-09-2	N.D.	2	1
10335	Naphthalene	91-20-3	75	1	1
10335	n-Propylbenzene	103-65-1	100	1	1
10335	Styrene	100-42-5	N.D.	1	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1	1

Sample Description: GW-120612-DE-MW3 Grab Groundwater
MLK Tidewater Site
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6890267
LLI Group # 1355354
Account # 13534

Project Name: 301233 Tidewater Seattle

Collected: 12/06/2012 10:45 by DE

Submitted: 12/11/2012 09:25
Reported: 12/21/2012 10:21

Conestoga-Rovers & Associates
10969 Trade Center Drive
Suite 107
Rancho Cordova CA 95670

TDS03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10335	Tetrachloroethene	127-18-4	N.D.	0.8	1
10335	Toluene	108-88-3	N.D.	0.5	1
10335	1,2,3-Trichlorobenzene	87-61-6	N.D.	1	1
10335	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10335	Trichloroethene	79-01-6	N.D.	1	1
10335	Trichlorofluoromethane	75-69-4	N.D.	2	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	860	10	10
10335	1,3,5-Trimethylbenzene	108-67-8	160	1	1
10335	Vinyl Chloride	75-01-4	N.D.	1	1
10335	m+p-Xylene	179601-23-1	440	5	10
10335	o-Xylene	95-47-6	58	0.5	1
10335	Xylene (Total)	1330-20-7	480	5	10
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	
08357	Benzo(a)anthracene	56-55-3	N.D.	0.010	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.010	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.010	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.010	1
08357	Chrysene	218-01-9	N.D.	0.010	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.010	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.010	1
08357	1-Methylnaphthalene	90-12-0	4.5	0.010	1
08357	2-Methylnaphthalene	91-57-6	3.3	0.010	1
08357	Naphthalene	91-20-3	32	0.31	10

The recovery for a target analyte(s) in the Laboratory Control Spike(s) is outside the QC acceptance limits as noted on the QC Summary. The following corrective action was taken:
The sample was re-extracted outside the method required holding time and the QC is compliant. All results are reported from the first trial. Similar results were obtained in both trials.

GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	6,700	250	5
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
02211	DRO C12-C24 w/Si Gel	n.a.	290	29	1
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	69	1
Metals	**SW-846 6020**		**ug/l**	**ug/l**	
06035	Lead	7439-92-1	0.36	0.047	1

Sample Description: GW-120612-DE-MW3 Grab Groundwater
MLK Tidewater Site
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6890267
LLI Group # 1355354
Account # 13534

Project Name: 301233 Tidewater Seattle

Collected: 12/06/2012 10:45 by DE

Submitted: 12/11/2012 09:25
Reported: 12/21/2012 10:21

Conestoga-Rovers & Associates
10969 Trade Center Drive
Suite 107
Rancho Cordova CA 95670

TDS03

General Sample Comments

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
10335	8260 Solvent Compound - Water	SW-846 8260B	1	Y123492AA	12/14/2012	16:17	Chelsea B Stong	1
10335	8260 Solvent Compound - Water	SW-846 8260B	1	Y123492AA	12/14/2012	17:18	Chelsea B Stong	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y123492AA	12/14/2012	16:17	Chelsea B Stong	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	Y123492AA	12/14/2012	17:18	Chelsea B Stong	10
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	12347WAD026	12/17/2012	14:10	Mark A Clark	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	12347WAD026	12/18/2012	08:57	Mark A Clark	10
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	12347WAD026	12/12/2012	18:30	Nicholas W Shroyer	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12348A53A	12/13/2012	22:20	Catherine J Schwarz	5
01146	GC VOA Water Prep	SW-846 5030B	1	12348A53A	12/13/2012	22:20	Catherine J Schwarz	5
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	123520016A	12/20/2012	23:02	Christine E Dolman	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	123520016A	12/17/2012	22:00	Elaine F Stoltzfus	1
06035	Lead	SW-846 6020	1	123476050002A	12/13/2012	10:37	Choon Y Tian	1
06050	ICP/MS SW-846 Water Digest	SW-846 3020A	1	123476050002	12/12/2012	23:45	Annamaria Stipkovits	1

Sample Description: GW-120612-DE-MW3 MS Grab Groundwater
MLK Tidewater Site
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6890268
LLI Group # 1355354
Account # 13534

Project Name: 301233 Tidewater Seattle

Collected: 12/06/2012 10:45 by DE

Submitted: 12/11/2012 09:25
Reported: 12/21/2012 10:21

Conestoga-Rovers & Associates
10969 Trade Center Drive
Suite 107
Rancho Cordova CA 95670

TDS03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10335	Acetone	67-64-1	130	6	1
10335	Benzene	71-43-2	23	0.5	1
10335	Bromobenzene	108-86-1	20	1	1
10335	Bromochloromethane	74-97-5	21	1	1
10335	Bromodichloromethane	75-27-4	22	1	1
10335	Bromoform	75-25-2	15	1	1
10335	Bromomethane	74-83-9	21	1	1
10335	2-Butanone	78-93-3	140	3	1
10335	n-Butylbenzene	104-51-8	32	1	1
10335	sec-Butylbenzene	135-98-8	31	1	1
10335	tert-Butylbenzene	98-06-6	23	1	1
10335	Carbon Disulfide	75-15-0	22	1	1
10335	Carbon Tetrachloride	56-23-5	23	1	1
10335	Chlorobenzene	108-90-7	22	0.8	1
10335	Chloroethane	75-00-3	21	1	1
10335	Chloroform	67-66-3	23	0.8	1
10335	Chloromethane	74-87-3	18	1	1
10335	2-Chlorotoluene	95-49-8	22	1	1
10335	4-Chlorotoluene	106-43-4	22	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	20	2	1
10335	Dibromochloromethane	124-48-1	19	1	1
10335	1,2-Dibromoethane	106-93-4	21	0.5	1
10335	Dibromomethane	74-95-3	22	1	1
10335	1,2-Dichlorobenzene	95-50-1	22	1	1
10335	1,3-Dichlorobenzene	541-73-1	21	1	1
10335	1,4-Dichlorobenzene	106-46-7	21	1	1
10335	Dichlorodifluoromethane	75-71-8	18	2	1
10335	1,1-Dichloroethane	75-34-3	23	1	1
10335	1,2-Dichloroethane	107-06-2	21	0.5	1
10335	1,1-Dichloroethene	75-35-4	25	0.8	1
10335	cis-1,2-Dichloroethene	156-59-2	28	0.8	1
10335	trans-1,2-Dichloroethene	156-60-5	23	0.8	1
10335	1,2-Dichloropropane	78-87-5	23	1	1
10335	1,3-Dichloropropane	142-28-9	21	1	1
10335	2,2-Dichloropropane	594-20-7	24	1	1
10335	1,1-Dichloropropene	563-58-6	23	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	23	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	20	1	1
10335	Ethylbenzene	100-41-4	150	0.5	1
10335	Hexachlorobutadiene	87-68-3	20	2	1
10335	2-Hexanone	591-78-6	97	3	1
10335	Isopropylbenzene	98-82-8	58	1	1
10335	p-Isopropyltoluene	99-87-6	27	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	20	0.5	1
10335	4-Methyl-2-pentanone	108-10-1	100	3	1
10335	Methylene Chloride	75-09-2	25	2	1
10335	Naphthalene	91-20-3	82	1	1
10335	n-Propylbenzene	103-65-1	110	1	1
10335	Styrene	100-42-5	18	1	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	21	1	1

Sample Description: **GW-120612-DE-MW3 MS Grab Groundwater**
MLK Tidewater Site
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6890268
LLI Group # 1355354
Account # 13534

Project Name: 301233 Tidewater Seattle

Collected: 12/06/2012 10:45 by DE

Submitted: 12/11/2012 09:25
Reported: 12/21/2012 10:21

Conestoga-Rovers & Associates
10969 Trade Center Drive
Suite 107
Rancho Cordova CA 95670

TDS03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10335	1,1,2,2-Tetrachloroethane	79-34-5	21	1	1
10335	Tetrachloroethene	127-18-4	22	0.8	1
10335	Toluene	108-88-3	22	0.5	1
10335	1,2,3-Trichlorobenzene	87-61-6	19	1	1
10335	1,2,4-Trichlorobenzene	120-82-1	20	1	1
10335	1,1,1-Trichloroethane	71-55-6	21	0.8	1
10335	1,1,2-Trichloroethane	79-00-5	23	0.8	1
10335	Trichloroethene	79-01-6	24	1	1
10335	Trichlorofluoromethane	75-69-4	21	2	1
10335	1,2,3-Trichloropropane	96-18-4	20	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	560	1	1
10335	1,3,5-Trimethylbenzene	108-67-8	170	1	1
10335	Vinyl Chloride	75-01-4	21	1	1
10335	m+p-Xylene	179601-23-1	600	0.5	1
10335	o-Xylene	95-47-6	72	0.5	1
10335	Xylene (Total)	1330-20-7	670	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	12,000	250	5
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
02211	DRO C12-C24 w/Si Gel	n.a.	1,700	32	1
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	74	1

General Sample Comments

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	8260 Solvent Compound - Water	SW-846 8260B	1	Y123492AA	12/14/2012 16:37	Chelsea B Stong	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y123492AA	12/14/2012 16:37	Chelsea B Stong	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12348A53A	12/13/2012 22:47	Catherine J Schwarz	5
01146	GC VOA Water Prep	SW-846 5030B	1	12348A53A	12/13/2012 22:47	Catherine J Schwarz	5
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	123520016A	12/20/2012 21:31	Christine E Dolman	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	123520016A	12/17/2012 22:00	Elaine F Stoltzfus	1

Sample Description: **GW-120612-DE-MW3 MSD Grab Groundwater**
MLK Tidewater Site
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6890269
LLI Group # 1355354
Account # 13534

Project Name: 301233 Tidewater Seattle

Collected: 12/06/2012 10:45 by DE

Submitted: 12/11/2012 09:25
Reported: 12/21/2012 10:21

Conestoga-Rovers & Associates
10969 Trade Center Drive
Suite 107
Rancho Cordova CA 95670

TDS03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10335	Acetone	67-64-1	130	6	1
10335	Benzene	71-43-2	23	0.5	1
10335	Bromobenzene	108-86-1	21	1	1
10335	Bromochloromethane	74-97-5	21	1	1
10335	Bromodichloromethane	75-27-4	22	1	1
10335	Bromoform	75-25-2	14	1	1
10335	Bromomethane	74-83-9	21	1	1
10335	2-Butanone	78-93-3	150	3	1
10335	n-Butylbenzene	104-51-8	32	1	1
10335	sec-Butylbenzene	135-98-8	31	1	1
10335	tert-Butylbenzene	98-06-6	23	1	1
10335	Carbon Disulfide	75-15-0	21	1	1
10335	Carbon Tetrachloride	56-23-5	23	1	1
10335	Chlorobenzene	108-90-7	22	0.8	1
10335	Chloroethane	75-00-3	21	1	1
10335	Chloroform	67-66-3	23	0.8	1
10335	Chloromethane	74-87-3	19	1	1
10335	2-Chlorotoluene	95-49-8	22	1	1
10335	4-Chlorotoluene	106-43-4	23	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	21	2	1
10335	Dibromochloromethane	124-48-1	19	1	1
10335	1,2-Dibromoethane	106-93-4	21	0.5	1
10335	Dibromomethane	74-95-3	22	1	1
10335	1,2-Dichlorobenzene	95-50-1	22	1	1
10335	1,3-Dichlorobenzene	541-73-1	22	1	1
10335	1,4-Dichlorobenzene	106-46-7	21	1	1
10335	Dichlorodifluoromethane	75-71-8	17	2	1
10335	1,1-Dichloroethane	75-34-3	24	1	1
10335	1,2-Dichloroethane	107-06-2	21	0.5	1
10335	1,1-Dichloroethene	75-35-4	25	0.8	1
10335	cis-1,2-Dichloroethene	156-59-2	27	0.8	1
10335	trans-1,2-Dichloroethene	156-60-5	23	0.8	1
10335	1,2-Dichloropropane	78-87-5	23	1	1
10335	1,3-Dichloropropane	142-28-9	22	1	1
10335	2,2-Dichloropropane	594-20-7	24	1	1
10335	1,1-Dichloropropene	563-58-6	23	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	23	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	21	1	1
10335	Ethylbenzene	100-41-4	130	0.5	1
10335	Hexachlorobutadiene	87-68-3	21	2	1
10335	2-Hexanone	591-78-6	100	3	1
10335	Isopropylbenzene	98-82-8	55	1	1
10335	p-Isopropyltoluene	99-87-6	27	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	20	0.5	1
10335	4-Methyl-2-pentanone	108-10-1	100	3	1
10335	Methylene Chloride	75-09-2	25	2	1
10335	Naphthalene	91-20-3	74	1	1
10335	n-Propylbenzene	103-65-1	110	1	1
10335	Styrene	100-42-5	20	1	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	22	1	1

Sample Description: GW-120612-DE-MW3 MSD Grab Groundwater
MLK Tidewater Site
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6890269
LLI Group # 1355354
Account # 13534

Project Name: 301233 Tidewater Seattle

Collected: 12/06/2012 10:45 by DE

Submitted: 12/11/2012 09:25
Reported: 12/21/2012 10:21

Conestoga-Rovers & Associates
10969 Trade Center Drive
Suite 107
Rancho Cordova CA 95670

TDS03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10335	1,1,2,2-Tetrachloroethane	79-34-5	22	1	1
10335	Tetrachloroethene	127-18-4	22	0.8	1
10335	Toluene	108-88-3	23	0.5	1
10335	1,2,3-Trichlorobenzene	87-61-6	20	1	1
10335	1,2,4-Trichlorobenzene	120-82-1	21	1	1
10335	1,1,1-Trichloroethane	71-55-6	22	0.8	1
10335	1,1,2-Trichloroethane	79-00-5	24	0.8	1
10335	Trichloroethene	79-01-6	24	1	1
10335	Trichlorofluoromethane	75-69-4	21	2	1
10335	1,2,3-Trichloropropane	96-18-4	20	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	530	1	1
10335	1,3,5-Trimethylbenzene	108-67-8	150	1	1
10335	Vinyl Chloride	75-01-4	20	1	1
10335	m+p-Xylene	179601-23-1	510	0.5	1
10335	o-Xylene	95-47-6	64	0.5	1
10335	Xylene (Total)	1330-20-7	570	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	11,000	250	5
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
02211	DRO C12-C24 w/Si Gel	n.a.	1,800	32	1
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	75	1

General Sample Comments

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	8260 Solvent Compound - Water	SW-846 8260B	1	Y123492AA	12/14/2012 16:57	Chelsea B Stong	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y123492AA	12/14/2012 16:57	Chelsea B Stong	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12348A53A	12/13/2012 23:14	Catherine J Schwarz	5
01146	GC VOA Water Prep	SW-846 5030B	1	12348A53A	12/13/2012 23:14	Catherine J Schwarz	5
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	123520016A	12/20/2012 21:54	Christine E Dolman	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	123520016A	12/17/2012 22:00	Elaine F Stoltzfus	1

Sample Description: GW-120512-NH-MW8 Grab Groundwater
MLK Tidewater Site
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6890270
LLI Group # 1355354
Account # 13534

Project Name: 301233 Tidewater Seattle

Collected: 12/05/2012 11:45 by NH

Submitted: 12/11/2012 09:25
Reported: 12/21/2012 10:21

Conestoga-Rovers & Associates
10969 Trade Center Drive
Suite 107
Rancho Cordova CA 95670

TDS08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10335	Acetone	67-64-1	13	6	1
10335	Benzene	71-43-2	N.D.	0.5	1
10335	Bromobenzene	108-86-1	N.D.	1	1
10335	Bromochloromethane	74-97-5	N.D.	1	1
10335	Bromodichloromethane	75-27-4	N.D.	1	1
10335	Bromoform	75-25-2	N.D.	1	1
10335	Bromomethane	74-83-9	N.D.	1	1
10335	2-Butanone	78-93-3	9	3	1
10335	n-Butylbenzene	104-51-8	14	1	1
10335	sec-Butylbenzene	135-98-8	9	1	1
10335	tert-Butylbenzene	98-06-6	N.D.	1	1
10335	Carbon Disulfide	75-15-0	N.D.	1	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1	1
10335	Chlorobenzene	108-90-7	N.D.	0.8	1
10335	Chloroethane	75-00-3	N.D.	1	1
10335	Chloroform	67-66-3	N.D.	0.8	1
10335	Chloromethane	74-87-3	N.D.	1	1
10335	2-Chlorotoluene	95-49-8	N.D.	1	1
10335	4-Chlorotoluene	106-43-4	N.D.	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	1
10335	Dibromochloromethane	124-48-1	N.D.	1	1
10335	1,2-Dibromoethane	106-93-4	N.D.	0.5	1
10335	Dibromomethane	74-95-3	N.D.	1	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	1	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	1	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	1	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	2	1
10335	1,1-Dichloroethane	75-34-3	N.D.	1	1
10335	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10335	cis-1,2-Dichloroethene	156-59-2	5	0.8	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1	1
10335	1,3-Dichloropropane	142-28-9	N.D.	1	1
10335	2,2-Dichloropropane	594-20-7	N.D.	1	1
10335	1,1-Dichloropropene	563-58-6	N.D.	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10335	Ethylbenzene	100-41-4	95	0.5	1
10335	Hexachlorobutadiene	87-68-3	N.D.	2	1
10335	2-Hexanone	591-78-6	N.D.	3	1
10335	Isopropylbenzene	98-82-8	27	1	1
10335	p-Isopropyltoluene	99-87-6	8	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10335	4-Methyl-2-pentanone	108-10-1	N.D.	3	1
10335	Methylene Chloride	75-09-2	N.D.	2	1
10335	Naphthalene	91-20-3	93	1	1
10335	n-Propylbenzene	103-65-1	61	1	1
10335	Styrene	100-42-5	N.D.	1	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1	1

Sample Description: GW-120512-NH-MW8 Grab Groundwater
MLK Tidewater Site
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6890270
LLI Group # 1355354
Account # 13534

Project Name: 301233 Tidewater Seattle

Collected: 12/05/2012 11:45 by NH

Submitted: 12/11/2012 09:25
Reported: 12/21/2012 10:21

Conestoga-Rovers & Associates
10969 Trade Center Drive
Suite 107
Rancho Cordova CA 95670

TDS08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10335	Tetrachloroethene	127-18-4	0.8	0.8	1
10335	Toluene	108-88-3	0.8	0.5	1
10335	1,2,3-Trichlorobenzene	87-61-6	N.D.	1	1
10335	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10335	Trichloroethene	79-01-6	N.D.	1	1
10335	Trichlorofluoromethane	75-69-4	N.D.	2	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	1,400	10	10
10335	1,3,5-Trimethylbenzene	108-67-8	380	10	10
10335	Vinyl Chloride	75-01-4	N.D.	1	1
10335	m+p-Xylene	179601-23-1	840	5	10
10335	o-Xylene	95-47-6	280	5	10
10335	Xylene (Total)	1330-20-7	1,100	5	10
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	
08357	Benzo(a)anthracene	56-55-3	N.D.	0.010	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.010	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.010	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.010	1
08357	Chrysene	218-01-9	N.D.	0.010	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.010	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.010	1
08357	1-Methylnaphthalene	90-12-0	5.6	0.010	1
08357	2-Methylnaphthalene	91-57-6	1.1	0.010	1
08357	Naphthalene	91-20-3	17	0.31	10
	The recovery for a target analyte(s) in the Laboratory Control Spike(s) is outside the QC acceptance limits as noted on the QC Summary. The following corrective action was taken: The sample was re-extracted outside the method required holding time and the QC is compliant. All results are reported from the first trial. Similar results were obtained in both trials.				
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	13,000	250	5
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
02211	DRO C12-C24 w/Si Gel	n.a.	2,600	35	1
02211	HRO C24-C40 w/Si Gel	n.a.	200	82	1
Metals	**SW-846 6020**		**ug/l**	**ug/l**	
06035	Lead	7439-92-1	27.6	0.047	1

Sample Description: GW-120512-NH-MW8 Grab Groundwater
MLK Tidewater Site
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6890270
LLI Group # 1355354
Account # 13534

Project Name: 301233 Tidewater Seattle

Collected: 12/05/2012 11:45 by NH

Submitted: 12/11/2012 09:25
Reported: 12/21/2012 10:21

Conestoga-Rovers & Associates
10969 Trade Center Drive
Suite 107
Rancho Cordova CA 95670

TDS08

General Sample Comments

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	8260 Solvent Compound - Water	SW-846 8260B	1	Y123492AA	12/14/2012 17:38	Chelsea B Stong	1
10335	8260 Solvent Compound - Water	SW-846 8260B	1	Y123492AA	12/14/2012 17:59	Chelsea B Stong	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y123492AA	12/14/2012 17:38	Chelsea B Stong	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	Y123492AA	12/14/2012 17:59	Chelsea B Stong	10
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	12347WAD026	12/17/2012 14:42	Mark A Clark	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	12347WAD026	12/18/2012 09:29	Mark A Clark	10
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	12347WAD026	12/12/2012 18:30	Nicholas W Shroyer	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12347A20A	12/13/2012 20:09	Catherine J Schwarz	5
01146	GC VOA Water Prep	SW-846 5030B	1	12347A20A	12/13/2012 20:09	Catherine J Schwarz	5
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	123520016A	12/21/2012 01:20	Christine E Dolman	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	123520016A	12/17/2012 22:00	Elaine F Stoltzfus	1
06035	Lead	SW-846 6020	1	123476050002A	12/13/2012 10:54	Choon Y Tian	1
06050	ICP/MS SW-846 Water Digest	SW-846 3020A	1	123476050002	12/12/2012 23:45	Annamaria Stipkovits	1

Sample Description: GW-120512-NH-FD1 Grab Groundwater
MLK Tidewater Site
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6890271
LLI Group # 1355354
Account # 13534

Project Name: 301233 Tidewater Seattle

Collected: 12/05/2012 by NH

Submitted: 12/11/2012 09:25
Reported: 12/21/2012 10:21

Conestoga-Rovers & Associates
10969 Trade Center Drive
Suite 107
Rancho Cordova CA 95670

TDSFD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10335	Acetone	67-64-1	14	6	1
10335	Benzene	71-43-2	N.D.	0.5	1
10335	Bromobenzene	108-86-1	N.D.	1	1
10335	Bromochloromethane	74-97-5	N.D.	1	1
10335	Bromodichloromethane	75-27-4	N.D.	1	1
10335	Bromoform	75-25-2	N.D.	1	1
10335	Bromomethane	74-83-9	N.D.	1	1
10335	2-Butanone	78-93-3	10	3	1
10335	n-Butylbenzene	104-51-8	13	1	1
10335	sec-Butylbenzene	135-98-8	9	1	1
10335	tert-Butylbenzene	98-06-6	N.D.	1	1
10335	Carbon Disulfide	75-15-0	N.D.	1	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1	1
10335	Chlorobenzene	108-90-7	N.D.	0.8	1
10335	Chloroethane	75-00-3	N.D.	1	1
10335	Chloroform	67-66-3	N.D.	0.8	1
10335	Chloromethane	74-87-3	N.D.	1	1
10335	2-Chlorotoluene	95-49-8	N.D.	1	1
10335	4-Chlorotoluene	106-43-4	N.D.	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	1
10335	Dibromochloromethane	124-48-1	N.D.	1	1
10335	1,2-Dibromoethane	106-93-4	N.D.	0.5	1
10335	Dibromomethane	74-95-3	N.D.	1	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	1	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	1	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	1	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	2	1
10335	1,1-Dichloroethane	75-34-3	N.D.	1	1
10335	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10335	cis-1,2-Dichloroethene	156-59-2	5	0.8	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1	1
10335	1,3-Dichloropropane	142-28-9	N.D.	1	1
10335	2,2-Dichloropropane	594-20-7	N.D.	1	1
10335	1,1-Dichloropropene	563-58-6	N.D.	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10335	Ethylbenzene	100-41-4	91	0.5	1
10335	Hexachlorobutadiene	87-68-3	N.D.	2	1
10335	2-Hexanone	591-78-6	N.D.	3	1
10335	Isopropylbenzene	98-82-8	26	1	1
10335	p-Isopropyltoluene	99-87-6	8	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10335	4-Methyl-2-pentanone	108-10-1	N.D.	3	1
10335	Methylene Chloride	75-09-2	N.D.	2	1
10335	Naphthalene	91-20-3	91	1	1
10335	n-Propylbenzene	103-65-1	58	1	1
10335	Styrene	100-42-5	N.D.	1	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1	1

Sample Description: GW-120512-NH-FD1 Grab Groundwater
MLK Tidewater Site
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6890271
LLI Group # 1355354
Account # 13534

Project Name: 301233 Tidewater Seattle

Collected: 12/05/2012 by NH

Submitted: 12/11/2012 09:25
Reported: 12/21/2012 10:21

Conestoga-Rovers & Associates
10969 Trade Center Drive
Suite 107
Rancho Cordova CA 95670

TDSFD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10335	Tetrachloroethene	127-18-4	0.8	0.8	1
10335	Toluene	108-88-3	0.8	0.5	1
10335	1,2,3-Trichlorobenzene	87-61-6	N.D.	1	1
10335	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10335	Trichloroethene	79-01-6	N.D.	1	1
10335	Trichlorofluoromethane	75-69-4	N.D.	2	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	1,400	10	10
10335	1,3,5-Trimethylbenzene	108-67-8	360	10	10
10335	Vinyl Chloride	75-01-4	N.D.	1	1
10335	m+p-Xylene	179601-23-1	810	5	10
10335	o-Xylene	95-47-6	270	5	10
10335	Xylene (Total)	1330-20-7	1,100	5	10
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	
08357	Benzo(a)anthracene	56-55-3	N.D.	0.0096	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.0096	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.0096	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.0096	1
08357	Chrysene	218-01-9	N.D.	0.0096	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.0096	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.0096	1
08357	1-Methylnaphthalene	90-12-0	6.3	0.0096	1
08357	2-Methylnaphthalene	91-57-6	0.91	0.0096	1
08357	Naphthalene	91-20-3	17	0.29	10

The recovery for a target analyte(s) in the Laboratory Control Spike(s) is outside the QC acceptance limits as noted on the QC Summary. The following corrective action was taken:
The sample was re-extracted outside the method required holding time and the QC is compliant. All results are reported from the first trial. Similar results were obtained in both trials.

GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	12,000	250	5
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
02211	DRO C12-C24 w/Si Gel	n.a.	2,600	32	1
02211	HRO C24-C40 w/Si Gel	n.a.	240	76	1
Metals	**SW-846 6020**		**ug/l**	**ug/l**	
06035	Lead	7439-92-1	27.4	0.047	1

Sample Description: GW-120512-NH-FD1 Grab Groundwater
MLK Tidewater Site
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6890271
LLI Group # 1355354
Account # 13534

Project Name: 301233 Tidewater Seattle

Collected: 12/05/2012 by NH

Submitted: 12/11/2012 09:25
Reported: 12/21/2012 10:21

Conestoga-Rovers & Associates
10969 Trade Center Drive
Suite 107
Rancho Cordova CA 95670

TDSFD

General Sample Comments

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	8260 Solvent Compound - Water	SW-846 8260B	1	Y123492AA	12/14/2012 18:19	Chelsea B Stong	1
10335	8260 Solvent Compound - Water	SW-846 8260B	1	Y123492AA	12/14/2012 18:40	Chelsea B Stong	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y123492AA	12/14/2012 18:19	Chelsea B Stong	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	Y123492AA	12/14/2012 18:40	Chelsea B Stong	10
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	12347WAD026	12/17/2012 15:13	Mark A Clark	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	12347WAD026	12/18/2012 10:00	Mark A Clark	10
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	12347WAD026	12/12/2012 18:30	Nicholas W Shroyer	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12347A20A	12/13/2012 20:32	Catherine J Schwarz	5
01146	GC VOA Water Prep	SW-846 5030B	1	12347A20A	12/13/2012 20:32	Catherine J Schwarz	5
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	123520016A	12/21/2012 01:42	Christine E Dolman	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	123520016A	12/17/2012 22:00	Elaine F Stoltzfus	1
06035	Lead	SW-846 6020	1	123476050002A	12/13/2012 10:56	Choon Y Tian	1
06050	ICP/MS SW-846 Water Digest	SW-846 3020A	1	123476050002	12/12/2012 23:45	Annamaria Stipkovits	1

Sample Description: GW-120612-NH-MW5 Grab Groundwater
MLK Tidewater Site
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6890272
LLI Group # 1355354
Account # 13534

Project Name: 301233 Tidewater Seattle

Collected: 12/06/2012 11:00 by NH

Submitted: 12/11/2012 09:25
Reported: 12/21/2012 10:21

Conestoga-Rovers & Associates
10969 Trade Center Drive
Suite 107
Rancho Cordova CA 95670

TDS05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10335	Acetone	67-64-1	N.D.	6	1
10335	Benzene	71-43-2	N.D.	0.5	1
10335	Bromobenzene	108-86-1	N.D.	1	1
10335	Bromochloromethane	74-97-5	N.D.	1	1
10335	Bromodichloromethane	75-27-4	N.D.	1	1
10335	Bromoform	75-25-2	N.D.	1	1
10335	Bromomethane	74-83-9	N.D.	1	1
10335	2-Butanone	78-93-3	N.D.	3	1
10335	n-Butylbenzene	104-51-8	N.D.	1	1
10335	sec-Butylbenzene	135-98-8	N.D.	1	1
10335	tert-Butylbenzene	98-06-6	N.D.	1	1
10335	Carbon Disulfide	75-15-0	N.D.	1	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1	1
10335	Chlorobenzene	108-90-7	N.D.	0.8	1
10335	Chloroethane	75-00-3	N.D.	1	1
10335	Chloroform	67-66-3	N.D.	0.8	1
10335	Chloromethane	74-87-3	N.D.	1	1
10335	2-Chlorotoluene	95-49-8	N.D.	1	1
10335	4-Chlorotoluene	106-43-4	N.D.	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	1
10335	Dibromochloromethane	124-48-1	N.D.	1	1
10335	1,2-Dibromoethane	106-93-4	N.D.	0.5	1
10335	Dibromomethane	74-95-3	N.D.	1	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	1	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	1	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	1	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	2	1
10335	1,1-Dichloroethane	75-34-3	N.D.	1	1
10335	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1	1
10335	1,3-Dichloropropane	142-28-9	N.D.	1	1
10335	2,2-Dichloropropane	594-20-7	N.D.	1	1
10335	1,1-Dichloropropene	563-58-6	N.D.	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10335	Ethylbenzene	100-41-4	2	0.5	1
10335	Hexachlorobutadiene	87-68-3	N.D.	2	1
10335	2-Hexanone	591-78-6	N.D.	3	1
10335	Isopropylbenzene	98-82-8	4	1	1
10335	p-Isopropyltoluene	99-87-6	N.D.	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10335	4-Methyl-2-pentanone	108-10-1	N.D.	3	1
10335	Methylene Chloride	75-09-2	N.D.	2	1
10335	Naphthalene	91-20-3	8	1	1
10335	n-Propylbenzene	103-65-1	12	1	1
10335	Styrene	100-42-5	N.D.	1	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1	1

Sample Description: GW-120612-NH-MW5 Grab Groundwater
MLK Tidewater Site
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6890272
LLI Group # 1355354
Account # 13534

Project Name: 301233 Tidewater Seattle

Collected: 12/06/2012 11:00 by NH

Submitted: 12/11/2012 09:25
Reported: 12/21/2012 10:21

Conestoga-Rovers & Associates
10969 Trade Center Drive
Suite 107
Rancho Cordova CA 95670

TDS05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10335	Tetrachloroethene	127-18-4	N.D.	0.8	1
10335	Toluene	108-88-3	N.D.	0.5	1
10335	1,2,3-Trichlorobenzene	87-61-6	N.D.	1	1
10335	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10335	Trichloroethene	79-01-6	N.D.	1	1
10335	Trichlorofluoromethane	75-69-4	N.D.	2	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	3	1	1
10335	1,3,5-Trimethylbenzene	108-67-8	N.D.	1	1
10335	Vinyl Chloride	75-01-4	N.D.	1	1
10335	m+p-Xylene	179601-23-1	6	0.5	1
10335	o-Xylene	95-47-6	1	0.5	1
10335	Xylene (Total)	1330-20-7	8	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	
08357	Benzo(a)anthracene	56-55-3	N.D.	0.011	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.011	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.011	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.011	1
08357	Chrysene	218-01-9	N.D.	0.011	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.011	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.011	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.011	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.011	1
08357	Naphthalene	91-20-3	N.D.	0.033	1

The recovery for a target analyte(s) in the Laboratory Control Spike(s) is outside the QC acceptance limits as noted on the QC Summary. The following corrective action was taken:
The sample was re-extracted outside the method required holding time and the QC is compliant. All results are reported from the first trial. Similar results were obtained in both trials.

GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	170	50	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
02211	DRO C12-C24 w/Si Gel	n.a.	40	33	1
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	76	1
Metals	**SW-846 6020**		**ug/l**	**ug/l**	
06035	Lead	7439-92-1	0.17	0.047	1

Sample Description: GW-120612-NH-MW5 Grab Groundwater
MLK Tidewater Site
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6890272
LLI Group # 1355354
Account # 13534

Project Name: 301233 Tidewater Seattle

Collected: 12/06/2012 11:00 by NH

Submitted: 12/11/2012 09:25
Reported: 12/21/2012 10:21

Conestoga-Rovers & Associates
10969 Trade Center Drive
Suite 107
Rancho Cordova CA 95670

TDS05

General Sample Comments

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	8260 Solvent Compound - Water	SW-846 8260B	1	Y123492AA	12/14/2012 19:00	Chelsea B Stong	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y123492AA	12/14/2012 19:00	Chelsea B Stong	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	12347WAD026	12/17/2012 15:45	Mark A Clark	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	12347WAD026	12/12/2012 18:30	Nicholas W Shroyer	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12348A07A	12/17/2012 20:02	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12348A07A	12/17/2012 20:02	Marie D John	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	123520016A	12/20/2012 23:25	Christine E Dolman	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	123520016A	12/17/2012 22:00	Elaine F Stoltzfus	1
06035	Lead	SW-846 6020	1	123476050002A	12/13/2012 10:58	Choon Y Tian	1
06050	ICP/MS SW-846 Water Digest	SW-846 3020A	1	123476050002	12/12/2012 23:45	Annamaria Stipkovits	1

Sample Description: GW-120512-DE-MW4 Grab Groundwater
MLK Tidewater Site
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6890273
LLI Group # 1355354
Account # 13534

Project Name: 301233 Tidewater Seattle

Collected: 12/05/2012 11:50 by DE

Submitted: 12/11/2012 09:25
Reported: 12/21/2012 10:21

Conestoga-Rovers & Associates
10969 Trade Center Drive
Suite 107
Rancho Cordova CA 95670

TDS04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10335	Acetone	67-64-1	N.D.	6	1
10335	Benzene	71-43-2	N.D.	0.5	1
10335	Bromobenzene	108-86-1	N.D.	1	1
10335	Bromochloromethane	74-97-5	N.D.	1	1
10335	Bromodichloromethane	75-27-4	N.D.	1	1
10335	Bromoform	75-25-2	N.D.	1	1
10335	Bromomethane	74-83-9	N.D.	1	1
10335	2-Butanone	78-93-3	N.D.	3	1
10335	n-Butylbenzene	104-51-8	N.D.	1	1
10335	sec-Butylbenzene	135-98-8	N.D.	1	1
10335	tert-Butylbenzene	98-06-6	N.D.	1	1
10335	Carbon Disulfide	75-15-0	N.D.	1	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1	1
10335	Chlorobenzene	108-90-7	N.D.	0.8	1
10335	Chloroethane	75-00-3	N.D.	1	1
10335	Chloroform	67-66-3	N.D.	0.8	1
10335	Chloromethane	74-87-3	N.D.	1	1
10335	2-Chlorotoluene	95-49-8	N.D.	1	1
10335	4-Chlorotoluene	106-43-4	N.D.	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	1
10335	Dibromochloromethane	124-48-1	N.D.	1	1
10335	1,2-Dibromoethane	106-93-4	N.D.	0.5	1
10335	Dibromomethane	74-95-3	N.D.	1	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	1	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	1	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	1	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	2	1
10335	1,1-Dichloroethane	75-34-3	N.D.	1	1
10335	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1	1
10335	1,3-Dichloropropane	142-28-9	N.D.	1	1
10335	2,2-Dichloropropane	594-20-7	N.D.	1	1
10335	1,1-Dichloropropene	563-58-6	N.D.	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10335	Ethylbenzene	100-41-4	N.D.	0.5	1
10335	Hexachlorobutadiene	87-68-3	N.D.	2	1
10335	2-Hexanone	591-78-6	N.D.	3	1
10335	Isopropylbenzene	98-82-8	N.D.	1	1
10335	p-Isopropyltoluene	99-87-6	N.D.	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10335	4-Methyl-2-pentanone	108-10-1	N.D.	3	1
10335	Methylene Chloride	75-09-2	N.D.	2	1
10335	Naphthalene	91-20-3	N.D.	1	1
10335	n-Propylbenzene	103-65-1	N.D.	1	1
10335	Styrene	100-42-5	N.D.	1	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1	1

Sample Description: GW-120512-DE-MW4 Grab Groundwater
MLK Tidewater Site
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6890273
LLI Group # 1355354
Account # 13534

Project Name: 301233 Tidewater Seattle

Collected: 12/05/2012 11:50 by DE

Submitted: 12/11/2012 09:25
Reported: 12/21/2012 10:21

Conestoga-Rovers & Associates
10969 Trade Center Drive
Suite 107
Rancho Cordova CA 95670

TDS04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10335	Tetrachloroethene	127-18-4	N.D.	0.8	1
10335	Toluene	108-88-3	N.D.	0.5	1
10335	1,2,3-Trichlorobenzene	87-61-6	N.D.	1	1
10335	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10335	Trichloroethene	79-01-6	N.D.	1	1
10335	Trichlorofluoromethane	75-69-4	N.D.	2	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	N.D.	1	1
10335	1,3,5-Trimethylbenzene	108-67-8	N.D.	1	1
10335	Vinyl Chloride	75-01-4	N.D.	1	1
10335	m+p-Xylene	179601-23-1	N.D.	0.5	1
10335	o-Xylene	95-47-6	N.D.	0.5	1
10335	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	
08357	Benzo(a)anthracene	56-55-3	N.D.	0.010	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.010	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.010	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.010	1
08357	Chrysene	218-01-9	N.D.	0.010	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.010	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.010	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.010	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.010	1
08357	Naphthalene	91-20-3	N.D.	0.030	1

The recovery for a target analyte(s) in the Laboratory Control Spike(s) is outside the QC acceptance limits as noted on the QC Summary. The following corrective action was taken:
The sample was re-extracted outside the method required holding time and the QC is compliant. All results are reported from the first trial. Similar results were obtained in both trials.

GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
02211	DRO C12-C24 w/Si Gel	n.a.	N.D.	32	1
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	75	1
Metals	**SW-846 6020**		**ug/l**	**ug/l**	
06035	Lead	7439-92-1	4.0	0.047	1

Sample Description: GW-120512-DE-MW4 Grab Groundwater
MLK Tidewater Site
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6890273
LLI Group # 1355354
Account # 13534

Project Name: 301233 Tidewater Seattle

Collected: 12/05/2012 11:50 by DE

Submitted: 12/11/2012 09:25
Reported: 12/21/2012 10:21

Conestoga-Rovers & Associates
10969 Trade Center Drive
Suite 107
Rancho Cordova CA 95670

TDS04

General Sample Comments

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	8260 Solvent Compound - Water	SW-846 8260B	1	Y123492AA	12/14/2012 19:21	Chelsea B Stong	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y123492AA	12/14/2012 19:21	Chelsea B Stong	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	12347WAD026	12/17/2012 16:16	Mark A Clark	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	12347WAD026	12/12/2012 18:30	Nicholas W Shroyer	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12347A20A	12/13/2012 18:41	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	12347A20A	12/13/2012 18:41	Catherine J Schwarz	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	123520016A	12/20/2012 23:48	Christine E Dolman	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	123520016A	12/17/2012 22:00	Elaine F Stoltzfus	1
06035	Lead	SW-846 6020	1	123476050002A	12/13/2012 11:00	Choon Y Tian	1
06050	ICP/MS SW-846 Water Digest	SW-846 3020A	1	123476050002	12/12/2012 23:45	Annamaria Stipkovits	1

Sample Description: GW-120612-NH-MW6 Grab Groundwater
MLK Tidewater Site
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6890274
LLI Group # 1355354
Account # 13534

Project Name: 301233 Tidewater Seattle

Collected: 12/06/2012 14:00 by NH

Submitted: 12/11/2012 09:25
Reported: 12/21/2012 10:21

Conestoga-Rovers & Associates
10969 Trade Center Drive
Suite 107
Rancho Cordova CA 95670

TDS06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10335	Acetone	67-64-1	N.D.	6	1
10335	Benzene	71-43-2	N.D.	0.5	1
10335	Bromobenzene	108-86-1	N.D.	1	1
10335	Bromochloromethane	74-97-5	N.D.	1	1
10335	Bromodichloromethane	75-27-4	N.D.	1	1
10335	Bromoform	75-25-2	N.D.	1	1
10335	Bromomethane	74-83-9	N.D.	1	1
10335	2-Butanone	78-93-3	N.D.	3	1
10335	n-Butylbenzene	104-51-8	N.D.	1	1
10335	sec-Butylbenzene	135-98-8	N.D.	1	1
10335	tert-Butylbenzene	98-06-6	N.D.	1	1
10335	Carbon Disulfide	75-15-0	N.D.	1	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1	1
10335	Chlorobenzene	108-90-7	N.D.	0.8	1
10335	Chloroethane	75-00-3	N.D.	1	1
10335	Chloroform	67-66-3	N.D.	0.8	1
10335	Chloromethane	74-87-3	N.D.	1	1
10335	2-Chlorotoluene	95-49-8	N.D.	1	1
10335	4-Chlorotoluene	106-43-4	N.D.	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	1
10335	Dibromochloromethane	124-48-1	N.D.	1	1
10335	1,2-Dibromoethane	106-93-4	N.D.	0.5	1
10335	Dibromomethane	74-95-3	N.D.	1	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	1	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	1	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	1	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	2	1
10335	1,1-Dichloroethane	75-34-3	N.D.	1	1
10335	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1	1
10335	1,3-Dichloropropane	142-28-9	N.D.	1	1
10335	2,2-Dichloropropane	594-20-7	N.D.	1	1
10335	1,1-Dichloropropene	563-58-6	N.D.	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10335	Ethylbenzene	100-41-4	1	0.5	1
10335	Hexachlorobutadiene	87-68-3	N.D.	2	1
10335	2-Hexanone	591-78-6	N.D.	3	1
10335	Isopropylbenzene	98-82-8	N.D.	1	1
10335	p-Isopropyltoluene	99-87-6	N.D.	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10335	4-Methyl-2-pentanone	108-10-1	N.D.	3	1
10335	Methylene Chloride	75-09-2	N.D.	2	1
10335	Naphthalene	91-20-3	N.D.	1	1
10335	n-Propylbenzene	103-65-1	N.D.	1	1
10335	Styrene	100-42-5	N.D.	1	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1	1

Sample Description: GW-120612-NH-MW6 Grab Groundwater
MLK Tidewater Site
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6890274
LLI Group # 1355354
Account # 13534

Project Name: 301233 Tidewater Seattle

Collected: 12/06/2012 14:00 by NH

Submitted: 12/11/2012 09:25
Reported: 12/21/2012 10:21

Conestoga-Rovers & Associates
10969 Trade Center Drive
Suite 107
Rancho Cordova CA 95670

TDS06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10335	Tetrachloroethene	127-18-4	N.D.	0.8	1
10335	Toluene	108-88-3	N.D.	0.5	1
10335	1,2,3-Trichlorobenzene	87-61-6	N.D.	1	1
10335	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10335	Trichloroethene	79-01-6	N.D.	1	1
10335	Trichlorofluoromethane	75-69-4	N.D.	2	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	N.D.	1	1
10335	1,3,5-Trimethylbenzene	108-67-8	N.D.	1	1
10335	Vinyl Chloride	75-01-4	N.D.	1	1
10335	m+p-Xylene	179601-23-1	5	0.5	1
10335	o-Xylene	95-47-6	1	0.5	1
10335	Xylene (Total)	1330-20-7	6	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	
08357	Benzo(a)anthracene	56-55-3	N.D.	0.010	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.010	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.010	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.010	1
08357	Chrysene	218-01-9	N.D.	0.010	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.010	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.010	1
08357	1-Methylnaphthalene	90-12-0	N.D.	0.010	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.010	1
08357	Naphthalene	91-20-3	N.D.	0.031	1

The recovery for a target analyte(s) in the Laboratory Control Spike(s) is outside the QC acceptance limits as noted on the QC Summary. The following corrective action was taken:
The sample was re-extracted outside the method required holding time and the QC is compliant. All results are reported from the first trial. Similar results were obtained in both trials.

GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
02211	DRO C12-C24 w/Si Gel	n.a.	N.D.	31	1
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	73	1
Metals	**SW-846 6020**		**ug/l**	**ug/l**	
06035	Lead	7439-92-1	1.1	0.047	1

Sample Description: GW-120612-NH-MW6 Grab Groundwater
MLK Tidewater Site
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6890274
LLI Group # 1355354
Account # 13534

Project Name: 301233 Tidewater Seattle

Collected: 12/06/2012 14:00 by NH

Submitted: 12/11/2012 09:25
Reported: 12/21/2012 10:21

Conestoga-Rovers & Associates
10969 Trade Center Drive
Suite 107
Rancho Cordova CA 95670

TDS06

General Sample Comments

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	8260 Solvent Compound - Water	SW-846 8260B	1	Y123492AA	12/14/2012 19:41	Chelsea B Stong	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y123492AA	12/14/2012 19:41	Chelsea B Stong	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	12347WAD026	12/17/2012 16:48	Mark A Clark	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	12347WAD026	12/12/2012 18:30	Nicholas W Shroyer	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12348A07A	12/17/2012 20:27	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12348A07A	12/17/2012 20:27	Marie D John	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	123520016A	12/21/2012 00:11	Christine E Dolman	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	123520016A	12/17/2012 22:00	Elaine F Stoltzfus	1
06035	Lead	SW-846 6020	1	123476050002A	12/13/2012 11:02	Choon Y Tian	1
06050	ICP/MS SW-846 Water Digest	SW-846 3020A	1	123476050002	12/12/2012 23:45	Annamaria Stipkovits	1

Sample Description: GW-120612-DE-MW10 Grab Groundwater
MLK Tidewater Site
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6890275
LLI Group # 1355354
Account # 13534

Project Name: 301233 Tidewater Seattle

Collected: 12/06/2012 12:45 by DE

Submitted: 12/11/2012 09:25
Reported: 12/21/2012 10:21

Conestoga-Rovers & Associates
10969 Trade Center Drive
Suite 107
Rancho Cordova CA 95670

TDS10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10335	Acetone	67-64-1	N.D.	6	1
10335	Benzene	71-43-2	3	0.5	1
10335	Bromobenzene	108-86-1	N.D.	1	1
10335	Bromochloromethane	74-97-5	N.D.	1	1
10335	Bromodichloromethane	75-27-4	N.D.	1	1
10335	Bromoform	75-25-2	N.D.	1	1
10335	Bromomethane	74-83-9	N.D.	1	1
10335	2-Butanone	78-93-3	N.D.	3	1
10335	n-Butylbenzene	104-51-8	N.D.	1	1
10335	sec-Butylbenzene	135-98-8	1	1	1
10335	tert-Butylbenzene	98-06-6	N.D.	1	1
10335	Carbon Disulfide	75-15-0	N.D.	1	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1	1
10335	Chlorobenzene	108-90-7	N.D.	0.8	1
10335	Chloroethane	75-00-3	N.D.	1	1
10335	Chloroform	67-66-3	N.D.	0.8	1
10335	Chloromethane	74-87-3	N.D.	1	1
10335	2-Chlorotoluene	95-49-8	N.D.	1	1
10335	4-Chlorotoluene	106-43-4	N.D.	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	1
10335	Dibromochloromethane	124-48-1	N.D.	1	1
10335	1,2-Dibromoethane	106-93-4	N.D.	0.5	1
10335	Dibromomethane	74-95-3	N.D.	1	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	1	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	1	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	1	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	2	1
10335	1,1-Dichloroethane	75-34-3	N.D.	1	1
10335	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1	1
10335	1,3-Dichloropropane	142-28-9	N.D.	1	1
10335	2,2-Dichloropropane	594-20-7	N.D.	1	1
10335	1,1-Dichloropropene	563-58-6	N.D.	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10335	Ethylbenzene	100-41-4	N.D.	0.5	1
10335	Hexachlorobutadiene	87-68-3	N.D.	2	1
10335	2-Hexanone	591-78-6	N.D.	3	1
10335	Isopropylbenzene	98-82-8	10	1	1
10335	p-Isopropyltoluene	99-87-6	N.D.	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10335	4-Methyl-2-pentanone	108-10-1	N.D.	3	1
10335	Methylene Chloride	75-09-2	N.D.	2	1
10335	Naphthalene	91-20-3	N.D.	1	1
10335	n-Propylbenzene	103-65-1	24	1	1
10335	Styrene	100-42-5	N.D.	1	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1	1

Sample Description: GW-120612-DE-MW10 Grab Groundwater
MLK Tidewater Site
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6890275
LLI Group # 1355354
Account # 13534

Project Name: 301233 Tidewater Seattle

Collected: 12/06/2012 12:45 by DE

Submitted: 12/11/2012 09:25
Reported: 12/21/2012 10:21

Conestoga-Rovers & Associates
10969 Trade Center Drive
Suite 107
Rancho Cordova CA 95670

TDS10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10335	Tetrachloroethene	127-18-4	N.D.	0.8	1
10335	Toluene	108-88-3	0.6	0.5	1
10335	1,2,3-Trichlorobenzene	87-61-6	N.D.	1	1
10335	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10335	Trichloroethene	79-01-6	N.D.	1	1
10335	Trichlorofluoromethane	75-69-4	N.D.	2	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	N.D.	1	1
10335	1,3,5-Trimethylbenzene	108-67-8	N.D.	1	1
10335	Vinyl Chloride	75-01-4	10	1	1
10335	m+p-Xylene	179601-23-1	3	0.5	1
10335	o-Xylene	95-47-6	0.7	0.5	1
10335	Xylene (Total)	1330-20-7	4	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	
08357	Benzo(a)anthracene	56-55-3	N.D.	0.0099	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.0099	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.0099	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.0099	1
08357	Chrysene	218-01-9	N.D.	0.0099	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.0099	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.0099	1
08357	1-Methylnaphthalene	90-12-0	0.89	0.0099	1
08357	2-Methylnaphthalene	91-57-6	0.41	0.0099	1
08357	Naphthalene	91-20-3	0.23	0.030	1

The recovery for a target analyte(s) in the Laboratory Control Spike(s) is outside the QC acceptance limits as noted on the QC Summary. The following corrective action was taken:
The sample was re-extracted outside the method required holding time and the QC is compliant. All results are reported from the first trial. Similar results were obtained in both trials.

GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	130	50	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
02211	DRO C12-C24 w/Si Gel	n.a.	220	31	1
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	72	1
Metals	**SW-846 6020**		**ug/l**	**ug/l**	
06035	Lead	7439-92-1	0.28	0.047	1

Sample Description: GW-120612-DE-MW10 Grab Groundwater
MLK Tidewater Site
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6890275
LLI Group # 1355354
Account # 13534

Project Name: 301233 Tidewater Seattle

Collected: 12/06/2012 12:45 by DE

Submitted: 12/11/2012 09:25
Reported: 12/21/2012 10:21

Conestoga-Rovers & Associates
10969 Trade Center Drive
Suite 107
Rancho Cordova CA 95670

TDS10

General Sample Comments

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	8260 Solvent Compound - Water	SW-846 8260B	1	Y123492AA	12/14/2012 20:02	Chelsea B Stong	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y123492AA	12/14/2012 20:02	Chelsea B Stong	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	12347WAD026	12/17/2012 17:20	Mark A Clark	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	12347WAD026	12/12/2012 18:30	Nicholas W Shroyer	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12348A07A	12/17/2012 20:53	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12348A07A	12/17/2012 20:53	Marie D John	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	123520016A	12/21/2012 00:34	Christine E Dolman	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	123520016A	12/17/2012 22:00	Elaine F Stoltzfus	1
06035	Lead	SW-846 6020	1	123476050002A	12/13/2012 11:03	Choon Y Tian	1
06050	ICP/MS SW-846 Water Digest	SW-846 3020A	1	123476050002	12/12/2012 23:45	Annamaria Stipkovits	1

Sample Description: GW-120512-NH-MW9 Grab Groundwater
MLK Tidewater Site
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6890276
LLI Group # 1355354
Account # 13534

Project Name: 301233 Tidewater Seattle

Collected: 12/05/2012 14:30 by NH

Submitted: 12/11/2012 09:25
Reported: 12/21/2012 10:21

Conestoga-Rovers & Associates
10969 Trade Center Drive
Suite 107
Rancho Cordova CA 95670

TDS09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10335	Acetone	67-64-1	N.D.	6	1
10335	Benzene	71-43-2	N.D.	0.5	1
10335	Bromobenzene	108-86-1	N.D.	1	1
10335	Bromochloromethane	74-97-5	N.D.	1	1
10335	Bromodichloromethane	75-27-4	N.D.	1	1
10335	Bromoform	75-25-2	N.D.	1	1
10335	Bromomethane	74-83-9	N.D.	1	1
10335	2-Butanone	78-93-3	N.D.	3	1
10335	n-Butylbenzene	104-51-8	N.D.	1	1
10335	sec-Butylbenzene	135-98-8	N.D.	1	1
10335	tert-Butylbenzene	98-06-6	N.D.	1	1
10335	Carbon Disulfide	75-15-0	N.D.	1	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1	1
10335	Chlorobenzene	108-90-7	N.D.	0.8	1
10335	Chloroethane	75-00-3	N.D.	1	1
10335	Chloroform	67-66-3	N.D.	0.8	1
10335	Chloromethane	74-87-3	N.D.	1	1
10335	2-Chlorotoluene	95-49-8	N.D.	1	1
10335	4-Chlorotoluene	106-43-4	N.D.	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	1
10335	Dibromochloromethane	124-48-1	N.D.	1	1
10335	1,2-Dibromoethane	106-93-4	N.D.	0.5	1
10335	Dibromomethane	74-95-3	N.D.	1	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	1	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	1	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	1	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	2	1
10335	1,1-Dichloroethane	75-34-3	N.D.	1	1
10335	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10335	cis-1,2-Dichloroethene	156-59-2	90	0.8	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1	1
10335	1,3-Dichloropropane	142-28-9	N.D.	1	1
10335	2,2-Dichloropropane	594-20-7	N.D.	1	1
10335	1,1-Dichloropropene	563-58-6	N.D.	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10335	Ethylbenzene	100-41-4	N.D.	0.5	1
10335	Hexachlorobutadiene	87-68-3	N.D.	2	1
10335	2-Hexanone	591-78-6	N.D.	3	1
10335	Isopropylbenzene	98-82-8	N.D.	1	1
10335	p-Isopropyltoluene	99-87-6	N.D.	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10335	4-Methyl-2-pentanone	108-10-1	N.D.	3	1
10335	Methylene Chloride	75-09-2	N.D.	2	1
10335	Naphthalene	91-20-3	N.D.	1	1
10335	n-Propylbenzene	103-65-1	N.D.	1	1
10335	Styrene	100-42-5	N.D.	1	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1	1

Sample Description: GW-120512-NH-MW9 Grab Groundwater
MLK Tidewater Site
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6890276
LLI Group # 1355354
Account # 13534

Project Name: 301233 Tidewater Seattle

Collected: 12/05/2012 14:30 by NH

Submitted: 12/11/2012 09:25
Reported: 12/21/2012 10:21

Conestoga-Rovers & Associates
10969 Trade Center Drive
Suite 107
Rancho Cordova CA 95670

TDS09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10335	Tetrachloroethene	127-18-4	55	0.8	1
10335	Toluene	108-88-3	N.D.	0.5	1
10335	1,2,3-Trichlorobenzene	87-61-6	N.D.	1	1
10335	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10335	Trichloroethene	79-01-6	36	1	1
10335	Trichlorofluoromethane	75-69-4	N.D.	2	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	N.D.	1	1
10335	1,3,5-Trimethylbenzene	108-67-8	N.D.	1	1
10335	Vinyl Chloride	75-01-4	11	1	1
10335	m+p-Xylene	179601-23-1	N.D.	0.5	1
10335	o-Xylene	95-47-6	N.D.	0.5	1
10335	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	
08357	Benzo(a)anthracene	56-55-3	N.D.	0.0095	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.0095	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.0095	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.0095	1
08357	Chrysene	218-01-9	N.D.	0.0095	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.0095	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.0095	1
08357	1-Methylnaphthalene	90-12-0	0.036	0.0095	1
08357	2-Methylnaphthalene	91-57-6	N.D.	0.0095	1
08357	Naphthalene	91-20-3	N.D.	0.028	1

The recovery for a target analyte(s) in the Laboratory Control Spike(s) is outside the QC acceptance limits as noted on the QC Summary. The following corrective action was taken:
The sample was re-extracted outside the method required holding time and the QC is compliant. All results are reported from the first trial. Similar results were obtained in both trials.

GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
02211	DRO C12-C24 w/Si Gel	n.a.	39	30	1
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	69	1
Metals	**SW-846 6020**		**ug/l**	**ug/l**	
06035	Lead	7439-92-1	0.33	0.047	1

Sample Description: GW-120512-NH-MW9 Grab Groundwater
MLK Tidewater Site
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6890276
LLI Group # 1355354
Account # 13534

Project Name: 301233 Tidewater Seattle

Collected: 12/05/2012 14:30 by NH

Submitted: 12/11/2012 09:25
Reported: 12/21/2012 10:21

Conestoga-Rovers & Associates
10969 Trade Center Drive
Suite 107
Rancho Cordova CA 95670

TDS09

General Sample Comments

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	8260 Solvent Compound - Water	SW-846 8260B	1	Y123492AA	12/14/2012 20:22	Chelsea B Stong	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y123492AA	12/14/2012 20:22	Chelsea B Stong	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	12347WAD026	12/17/2012 17:51	Mark A Clark	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	12347WAD026	12/12/2012 18:30	Nicholas W Shroyer	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12347A20A	12/13/2012 19:03	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	12347A20A	12/13/2012 19:03	Catherine J Schwarz	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	123520016A	12/21/2012 00:57	Christine E Dolman	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	123520016A	12/17/2012 22:00	Elaine F Stoltzfus	1
06035	Lead	SW-846 6020	1	123476050002A	12/13/2012 11:12	Choon Y Tian	1
06050	ICP/MS SW-846 Water Digest	SW-846 3020A	1	123476050002	12/12/2012 23:45	Annamaria Stipkovits	1

Sample Description: GW-120612-NH-MW2 Grab Groundwater
MLK Tidewater Site
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6890277
LLI Group # 1355354
Account # 13534

Project Name: 301233 Tidewater Seattle

Collected: 12/05/2012 12:30 by NH

Submitted: 12/11/2012 09:25
Reported: 12/21/2012 10:21

Conestoga-Rovers & Associates
10969 Trade Center Drive
Suite 107
Rancho Cordova CA 95670

TDS02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10335	Acetone	67-64-1	N.D.	6	1
10335	Benzene	71-43-2	2	0.5	1
10335	Bromobenzene	108-86-1	N.D.	1	1
10335	Bromochloromethane	74-97-5	N.D.	1	1
10335	Bromodichloromethane	75-27-4	N.D.	1	1
10335	Bromoform	75-25-2	N.D.	1	1
10335	Bromomethane	74-83-9	N.D.	1	1
10335	2-Butanone	78-93-3	N.D.	3	1
10335	n-Butylbenzene	104-51-8	3	1	1
10335	sec-Butylbenzene	135-98-8	4	1	1
10335	tert-Butylbenzene	98-06-6	N.D.	1	1
10335	Carbon Disulfide	75-15-0	N.D.	1	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1	1
10335	Chlorobenzene	108-90-7	N.D.	0.8	1
10335	Chloroethane	75-00-3	N.D.	1	1
10335	Chloroform	67-66-3	N.D.	0.8	1
10335	Chloromethane	74-87-3	N.D.	1	1
10335	2-Chlorotoluene	95-49-8	N.D.	1	1
10335	4-Chlorotoluene	106-43-4	N.D.	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	1
10335	Dibromochloromethane	124-48-1	N.D.	1	1
10335	1,2-Dibromoethane	106-93-4	N.D.	0.5	1
10335	Dibromomethane	74-95-3	N.D.	1	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	1	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	1	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	1	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	2	1
10335	1,1-Dichloroethane	75-34-3	N.D.	1	1
10335	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1	1
10335	1,3-Dichloropropane	142-28-9	N.D.	1	1
10335	2,2-Dichloropropane	594-20-7	N.D.	1	1
10335	1,1-Dichloropropene	563-58-6	N.D.	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10335	Ethylbenzene	100-41-4	3	0.5	1
10335	Hexachlorobutadiene	87-68-3	N.D.	2	1
10335	2-Hexanone	591-78-6	N.D.	3	1
10335	Isopropylbenzene	98-82-8	17	1	1
10335	p-Isopropyltoluene	99-87-6	N.D.	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10335	4-Methyl-2-pentanone	108-10-1	N.D.	3	1
10335	Methylene Chloride	75-09-2	N.D.	2	1
10335	Naphthalene	91-20-3	N.D.	1	1
10335	n-Propylbenzene	103-65-1	37	1	1
10335	Styrene	100-42-5	N.D.	1	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1	1

Sample Description: GW-120612-NH-MW2 Grab Groundwater
MLK Tidewater Site
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6890277
LLI Group # 1355354
Account # 13534

Project Name: 301233 Tidewater Seattle

Collected: 12/05/2012 12:30 by NH

Submitted: 12/11/2012 09:25
Reported: 12/21/2012 10:21

Conestoga-Rovers & Associates
10969 Trade Center Drive
Suite 107
Rancho Cordova CA 95670

TDS02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10335	Tetrachloroethene	127-18-4	N.D.	0.8	1
10335	Toluene	108-88-3	N.D.	0.5	1
10335	1,2,3-Trichlorobenzene	87-61-6	N.D.	1	1
10335	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10335	Trichloroethene	79-01-6	N.D.	1	1
10335	Trichlorofluoromethane	75-69-4	N.D.	2	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	N.D.	1	1
10335	1,3,5-Trimethylbenzene	108-67-8	N.D.	1	1
10335	Vinyl Chloride	75-01-4	N.D.	1	1
10335	m+p-Xylene	179601-23-1	9	0.5	1
10335	o-Xylene	95-47-6	2	0.5	1
10335	Xylene (Total)	1330-20-7	11	0.5	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	
08357	Benzo(a)anthracene	56-55-3	N.D.	0.010	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.010	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.010	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.010	1
08357	Chrysene	218-01-9	N.D.	0.010	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.010	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.010	1
08357	1-Methylnaphthalene	90-12-0	0.23	0.010	1
08357	2-Methylnaphthalene	91-57-6	0.030	0.010	1
08357	Naphthalene	91-20-3	0.22	0.030	1

The recovery for a target analyte(s) in the Laboratory Control Spike(s) is outside the QC acceptance limits as noted on the QC Summary. The following corrective action was taken:
The sample was re-extracted outside the method required holding time and the QC is compliant. All results are reported from the first trial. Similar results were obtained in both trials.

GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	590	50	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
02211	DRO C12-C24 w/Si Gel	n.a.	250	31	1
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	73	1
Metals	**SW-846 6020**		**ug/l**	**ug/l**	
06035	Lead	7439-92-1	13.1	0.047	1

Sample Description: GW-120612-NH-MW2 Grab Groundwater
MLK Tidewater Site
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6890277
LLI Group # 1355354
Account # 13534

Project Name: 301233 Tidewater Seattle

Collected: 12/05/2012 12:30 by NH

Submitted: 12/11/2012 09:25
Reported: 12/21/2012 10:21

Conestoga-Rovers & Associates
10969 Trade Center Drive
Suite 107
Rancho Cordova CA 95670

TDS02

General Sample Comments

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	8260 Solvent Compound - Water	SW-846 8260B	1	Y123492AA	12/14/2012 20:42	Chelsea B Stong	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y123492AA	12/14/2012 20:42	Chelsea B Stong	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	12347WAD026	12/17/2012 18:23	Mark A Clark	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	12347WAD026	12/12/2012 18:30	Nicholas W Shroyer	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12348A53A	12/13/2012 21:54	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	12348A53A	12/13/2012 21:54	Catherine J Schwarz	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	123520017A	12/20/2012 14:06	Nicholas R Rossi	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	123520017A	12/17/2012 22:00	Elaine F Stoltzfus	1
06035	Lead	SW-846 6020	1	123476050002A	12/13/2012 11:07	Choon Y Tian	1
06050	ICP/MS SW-846 Water Digest	SW-846 3020A	1	123476050002	12/12/2012 23:45	Annamaria Stipkovits	1

Sample Description: Trip Blank Water
MLK Tidewater Site
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6890278
LLI Group # 1355354
Account # 13534

Project Name: 301233 Tidewater Seattle

Collected: 12/05/2012

Submitted: 12/11/2012 09:25
Reported: 12/21/2012 10:21

Conestoga-Rovers & Associates
10969 Trade Center Drive
Suite 107
Rancho Cordova CA 95670

TDSTB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10335	Acetone	67-64-1	N.D.	6	1
10335	Benzene	71-43-2	N.D.	0.5	1
10335	Bromobenzene	108-86-1	N.D.	1	1
10335	Bromochloromethane	74-97-5	N.D.	1	1
10335	Bromodichloromethane	75-27-4	N.D.	1	1
10335	Bromoform	75-25-2	N.D.	1	1
10335	Bromomethane	74-83-9	N.D.	1	1
10335	2-Butanone	78-93-3	N.D.	3	1
10335	n-Butylbenzene	104-51-8	N.D.	1	1
10335	sec-Butylbenzene	135-98-8	N.D.	1	1
10335	tert-Butylbenzene	98-06-6	N.D.	1	1
10335	Carbon Disulfide	75-15-0	N.D.	1	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1	1
10335	Chlorobenzene	108-90-7	N.D.	0.8	1
10335	Chloroethane	75-00-3	N.D.	1	1
10335	Chloroform	67-66-3	N.D.	0.8	1
10335	Chloromethane	74-87-3	N.D.	1	1
10335	2-Chlorotoluene	95-49-8	N.D.	1	1
10335	4-Chlorotoluene	106-43-4	N.D.	1	1
10335	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	1
10335	Dibromochloromethane	124-48-1	N.D.	1	1
10335	1,2-Dibromoethane	106-93-4	N.D.	0.5	1
10335	Dibromomethane	74-95-3	N.D.	1	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	1	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	1	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	1	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	2	1
10335	1,1-Dichloroethane	75-34-3	N.D.	1	1
10335	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1	1
10335	1,3-Dichloropropane	142-28-9	N.D.	1	1
10335	2,2-Dichloropropane	594-20-7	N.D.	1	1
10335	1,1-Dichloropropene	563-58-6	N.D.	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10335	Ethylbenzene	100-41-4	N.D.	0.5	1
10335	Hexachlorobutadiene	87-68-3	N.D.	2	1
10335	2-Hexanone	591-78-6	N.D.	3	1
10335	Isopropylbenzene	98-82-8	N.D.	1	1
10335	p-Isopropyltoluene	99-87-6	N.D.	1	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10335	4-Methyl-2-pentanone	108-10-1	N.D.	3	1
10335	Methylene Chloride	75-09-2	N.D.	2	1
10335	Naphthalene	91-20-3	N.D.	1	1
10335	n-Propylbenzene	103-65-1	N.D.	1	1
10335	Styrene	100-42-5	N.D.	1	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1	1

Sample Description: Trip Blank Water
MLK Tidewater Site
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6890278
LLI Group # 1355354
Account # 13534

Project Name: 301233 Tidewater Seattle

Collected: 12/05/2012

Submitted: 12/11/2012 09:25
Reported: 12/21/2012 10:21

Conestoga-Rovers & Associates
10969 Trade Center Drive
Suite 107
Rancho Cordova CA 95670

TDSTB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10335	Tetrachloroethene	127-18-4	N.D.	0.8	1
10335	Toluene	108-88-3	N.D.	0.5	1
10335	1,2,3-Trichlorobenzene	87-61-6	N.D.	1	1
10335	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10335	Trichloroethene	79-01-6	N.D.	1	1
10335	Trichlorofluoromethane	75-69-4	N.D.	2	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	N.D.	1	1
10335	1,3,5-Trimethylbenzene	108-67-8	N.D.	1	1
10335	Vinyl Chloride	75-01-4	N.D.	1	1
10335	m+p-Xylene	179601-23-1	N.D.	0.5	1
10335	o-Xylene	95-47-6	N.D.	0.5	1
10335	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1

General Sample Comments

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	8260 Solvent Compound - Water	SW-846 8260B	1	Y123492AA	12/14/2012 15:15	Chelsea B Stong	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y123492AA	12/14/2012 15:15	Chelsea B Stong	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12348A53A	12/13/2012 14:46	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	12348A53A	12/13/2012 14:46	Catherine J Schwarz	1

Quality Control Summary

Client Name: Conestoga-Rovers & Associates Group Number: 1355354
Reported: 12/21/12 at 10:21 AM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: Y123492AA	Sample number(s): 6890265-6890278							
Acetone	N.D.	6.	ug/l	151		49-234		
Benzene	N.D.	0.5	ug/l	107		77-121		
Bromobenzene	N.D.	1.	ug/l	102		80-120		
Bromochloromethane	N.D.	1.	ug/l	102		80-121		
Bromodichloromethane	N.D.	1.	ug/l	103		73-120		
Bromoform	N.D.	1.	ug/l	88		61-120		
Bromomethane	N.D.	1.	ug/l	94		44-120		
2-Butanone	N.D.	3.	ug/l	124		53-155		
n-Butylbenzene	N.D.	1.	ug/l	111		73-130		
sec-Butylbenzene	N.D.	1.	ug/l	112		74-124		
tert-Butylbenzene	N.D.	1.	ug/l	107		80-120		
Carbon Disulfide	N.D.	1.	ug/l	97		62-125		
Carbon Tetrachloride	N.D.	1.	ug/l	103		67-122		
Chlorobenzene	N.D.	0.8	ug/l	102		80-120		
Chloroethane	N.D.	1.	ug/l	95		49-129		
Chloroform	N.D.	0.8	ug/l	100		77-122		
Chloromethane	N.D.	1.	ug/l	86		60-129		
2-Chlorotoluene	N.D.	1.	ug/l	105		80-120		
4-Chlorotoluene	N.D.	1.	ug/l	104		80-120		
1,2-Dibromo-3-chloropropane	N.D.	2.	ug/l	94		56-126		
Dibromochloromethane	N.D.	1.	ug/l	104		72-120		
1,2-Dibromoethane	N.D.	0.5	ug/l	103		76-120		
Dibromomethane	N.D.	1.	ug/l	104		80-120		
1,2-Dichlorobenzene	N.D.	1.	ug/l	107		80-120		
1,3-Dichlorobenzene	N.D.	1.	ug/l	103		80-120		
1,4-Dichlorobenzene	N.D.	1.	ug/l	103		80-120		
Dichlorodifluoromethane	N.D.	2.	ug/l	72		47-120		
1,1-Dichloroethane	N.D.	1.	ug/l	106		79-120		
1,2-Dichloroethane	N.D.	0.5	ug/l	101		64-130		
1,1-Dichloroethene	N.D.	0.8	ug/l	110		76-124		
cis-1,2-Dichloroethene	N.D.	0.8	ug/l	109		80-120		
trans-1,2-Dichloroethene	N.D.	0.8	ug/l	108		80-120		
1,2-Dichloropropane	N.D.	1.	ug/l	107		80-120		
1,3-Dichloropropane	N.D.	1.	ug/l	104		80-120		
2,2-Dichloropropane	N.D.	1.	ug/l	105		67-124		
1,1-Dichloropropene	N.D.	1.	ug/l	102		80-120		
cis-1,3-Dichloropropene	N.D.	1.	ug/l	114		78-120		
trans-1,3-Dichloropropene	N.D.	1.	ug/l	104		73-120		
Ethylbenzene	N.D.	0.5	ug/l	102		79-120		
Hexachlorobutadiene	N.D.	2.	ug/l	92		58-120		
2-Hexanone	N.D.	3.	ug/l	106		53-139		
Isopropylbenzene	N.D.	1.	ug/l	102		77-120		
p-Isopropyltoluene	N.D.	1.	ug/l	111		77-121		

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Conestoga-Rovers & Associates Group Number: 1355354
Reported: 12/21/12 at 10:21 AM

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	99		68-121		
4-Methyl-2-pentanone	N.D.	3.	ug/l	102		58-133		
Methylene Chloride	N.D.	2.	ug/l	104		84-118		
Naphthalene	N.D.	1.	ug/l	97		47-126		
n-Propylbenzene	N.D.	1.	ug/l	113		77-130		
Styrene	N.D.	1.	ug/l	103		77-120		
1,1,1,2-Tetrachloroethane	N.D.	1.	ug/l	100		79-120		
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/l	107		75-123		
Tetrachloroethene	N.D.	0.8	ug/l	101		79-120		
Toluene	N.D.	0.5	ug/l	103		79-120		
1,2,3-Trichlorobenzene	N.D.	1.	ug/l	99		71-120		
1,2,4-Trichlorobenzene	N.D.	1.	ug/l	98		65-120		
1,1,1-Trichloroethane	N.D.	0.8	ug/l	96		66-126		
1,1,2-Trichloroethane	N.D.	0.8	ug/l	104		80-120		
Trichloroethene	N.D.	1.	ug/l	106		80-120		
Trichlorofluoromethane	N.D.	2.	ug/l	92		65-130		
1,2,3-Trichloropropane	N.D.	1.	ug/l	101		76-120		
1,2,4-Trimethylbenzene	N.D.	1.	ug/l	107		69-122		
1,3,5-Trimethylbenzene	N.D.	1.	ug/l	109		68-124		
Vinyl Chloride	N.D.	1.	ug/l	86		56-123		
m+p-Xylene	N.D.	0.5	ug/l	104		77-120		
o-Xylene	N.D.	0.5	ug/l	101		77-120		
Xylene (Total)	N.D.	0.5	ug/l	103		77-120		
Batch number: 12347WAD026	Sample number(s): 6890265-6890267,6890270-6890277							
Benzo(a)anthracene	N.D.	0.010	ug/l	86	85	63-124	1	30
Benzo(a)pyrene	N.D.	0.010	ug/l	84	83	60-127	1	30
Benzo(b)fluoranthene	N.D.	0.010	ug/l	82	100	58-151	20	30
Benzo(k)fluoranthene	N.D.	0.010	ug/l	96	87	59-130	10	30
Chrysene	N.D.	0.010	ug/l	85	83	65-124	2	30
Dibenz(a,h)anthracene	N.D.	0.010	ug/l	84	84	55-134	1	30
Indeno(1,2,3-cd)pyrene	N.D.	0.010	ug/l	83	83	66-122	1	30
1-Methylnaphthalene	N.D.	0.010	ug/l	78	76	71-120	2	30
2-Methylnaphthalene	N.D.	0.010	ug/l	82	80	61-127	3	30
Naphthalene	N.D.	0.030	ug/l	74	70*	72-120	5	30
Batch number: 12347A20A	Sample number(s): 6890265,6890270-6890271,6890273,6890276							
NWTPH-Gx water C7-C12	N.D.	50.	ug/l	96	96	75-135	0	30
Batch number: 12348A07A	Sample number(s): 6890272,6890274-6890275							
NWTPH-Gx water C7-C12	N.D.	50.	ug/l	88	91	75-135	4	30
Batch number: 12348A53A	Sample number(s): 6890266-6890269,6890277-6890278							
NWTPH-Gx water C7-C12	N.D.	50.	ug/l	88		75-135		
Batch number: 123520016A	Sample number(s): 6890265-6890276							
DRO C12-C24 w/Si Gel	N.D.	30.	ug/l	81		50-120		
HRO C24-C40 w/Si Gel	N.D.	70.	ug/l					
Batch number: 123520017A	Sample number(s): 6890277							
DRO C12-C24 w/Si Gel	N.D.	30.	ug/l	91	92	50-120	1	20
HRO C24-C40 w/Si Gel	N.D.	70.	ug/l					
Batch number: 123476050002A	Sample number(s): 6890265-6890267,6890270-6890277							
Lead	N.D.	0.047	ug/l	106		90-115		

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Conestoga-Rovers & Associates Group Number: 1355354
Reported: 12/21/12 at 10:21 AM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: Y123492AA	Sample number(s): 6890265-6890278 UNSPK: 6890267								
Acetone	89	90	33-159	1	30				
Benzene	116	117	72-134	1	30				
Bromobenzene	102	103	82-115	1	30				
Bromochloromethane	106	107	76-134	1	30				
Bromodichloromethane	108	111	78-125	3	30				
Bromoform	73	72	48-118	1	30				
Bromomethane	103	105	47-129	2	30				
2-Butanone	94	97	57-138	3	30				
n-Butylbenzene	116	115	73-128	0	30				
sec-Butylbenzene	116	117	79-125	1	30				
tert-Butylbenzene	114	115	81-121	1	30				
Carbon Disulfide	110	106	67-135	3	30				
Carbon Tetrachloride	113	115	72-135	1	30				
Chlorobenzene	109	110	87-124	2	30				
Chloroethane	103	103	51-145	0	30				
Chloroform	115	114	81-134	0	30				
Chloromethane	91	95	46-137	5	30				
2-Chlorotoluene	109	110	82-118	1	30				
4-Chlorotoluene	111	113	84-122	1	30				
1,2-Dibromo-3-chloropropane	102	103	54-134	1	30				
Dibromochloromethane	96	94	74-116	2	30				
1,2-Dibromoethane	104	107	77-116	3	30				
Dibromomethane	109	109	83-119	0	30				
1,2-Dichlorobenzene	108	109	84-119	0	30				
1,3-Dichlorobenzene	107	108	86-121	1	30				
1,4-Dichlorobenzene	105	106	85-121	1	30				
Dichlorodifluoromethane	88	86	52-129	2	30				
1,1-Dichloroethane	116	119	84-129	2	30				
1,2-Dichloroethane	105	107	68-131	1	30				
1,1-Dichloroethene	124	124	85-142	0	30				
cis-1,2-Dichloroethene	112	110	85-125	2	30				
trans-1,2-Dichloroethene	116	116	87-126	0	30				
1,2-Dichloropropane	116	116	83-124	0	30				
1,3-Dichloropropane	106	108	81-120	2	30				
2,2-Dichloropropane	119	120	69-135	1	30				
1,1-Dichloropropene	114	117	86-137	2	30				
cis-1,3-Dichloropropene	114	117*	70-116	3	30				
trans-1,3-Dichloropropene	102	107	74-119	5	30				
Ethylbenzene	-27 (2)	-126 (2)	71-134	14	30				
Hexachlorobutadiene	99	103	56-134	4	30				
2-Hexanone	97	100	55-127	3	30				
Isopropylbenzene	87	71*	75-128	6	30				
p-Isopropyltoluene	119	119	76-123	0	30				
Methyl Tertiary Butyl Ether	101	100	72-126	2	30				
4-Methyl-2-pentanone	103	104	63-123	2	30				
Methylene Chloride	124	123	78-133	1	30				

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Conestoga-Rovers & Associates Group Number: 1355354
Reported: 12/21/12 at 10:21 AM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Naphthalene	38*	0*	52-125	10	30				
n-Propylbenzene	57 (2)	27 (2)	74-134	6	30				
Styrene	91	101	78-125	10	30				
1,1,1,2-Tetrachloroethane	106	108	82-119	2	30				
1,1,2,2-Tetrachloroethane	105	108	72-128	2	30				
Tetrachloroethene	110	110	80-128	0	30				
Toluene	112	114	80-125	2	30				
1,2,3-Trichlorobenzene	96	100	69-119	4	30				
1,2,4-Trichlorobenzene	101	105	70-124	3	30				
1,1,1-Trichloroethane	107	109	69-140	2	30				
1,1,2-Trichloroethane	117	118	77-124	1	30				
Trichloroethene	119	119	88-133	1	30				
Trichlorofluoromethane	106	105	64-146	1	30				
1,2,3-Trichloropropane	99	102	76-118	3	30				
1,2,4-Trimethylbenzene	-140 (2)	-274 (2)	72-130	5	30				
1,3,5-Trimethylbenzene	52 (2)	-79 (2)	65-132	16	30				
Vinyl Chloride	104	102	66-133	1	30				
m+p-Xylene	-123 (2)	-346 (2)	79-125	16	30				
o-Xylene	69*	30*	79-125	11	30				
Xylene (Total)	-58 (2)	-220 (2)	79-125	16	30				
Batch number: 12348A53A	Sample number(s): 6890266-6890269,6890277-6890278 UNSPK: 6890267								
NWTPH-Gx water C7-C12	90	83	75-135	3	30				
Batch number: 123520016A	Sample number(s): 6890265-6890276 UNSPK: 6890267								
DRO C12-C24 w/Si Gel	84	88	60-120	4	20				
Batch number: 123476050002A	Sample number(s): 6890265-6890267,6890270-6890277 UNSPK: 6890267 BKG: 6890267								
Lead	106	107	83-120	1	20	0.36	0.38	5 (1)	20

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed
unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: 8260 Ext. Water Master w/GRO
Batch number: Y123492AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6890265	98	98	99	94
6890266	98	97	100	95
6890267	99	98	100	101
6890268	99	102	101	100
6890269	99	102	102	101
6890270	98	98	101	102
6890271	98	98	101	103

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Conestoga-Rovers & Associates Group Number: 1355354
Reported: 12/21/12 at 10:21 AM

Surrogate Quality Control

6890272	97	98	101	99
6890273	99	99	99	97
6890274	99	100	99	98
6890275	99	99	101	99
6890276	99	98	100	97
6890277	98	97	98	99
6890278	99	99	100	96
Blank	99	100	100	94
LCS	100	102	101	98
MS	99	102	101	100
MSD	99	102	102	101
Limits:	80-116	77-113	80-113	78-113

Analysis Name: PAHs in waters by SIM
Batch number: 12347WAD026

	Fluoranthene-d10	Benzo(a)pyrene-d12	1-Methylnaphthalene-d10
6890265	77	95	94
6890266	84	97	103
6890267	86	99	98
6890270	99	101	117
6890271	91	99	113
6890272	84	101	106
6890273	82	95	98
6890274	84	100	104
6890275	79	100	104
6890276	79	95	99
6890277	79	66	101
Blank	78	96	88
LCS	84	104	103
LCSD	82	100	100
Limits:	64-120	44-127	61-120

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 12347A20A

	Trifluorotoluene-F
6890265	73
6890270	72
6890271	73
6890273	72
6890276	73
Blank	71
LCS	93
LCSD	91
Limits:	63-135

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 12348A07A

	Trifluorotoluene-F
6890272	87

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
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Quality Control Summary

Client Name: Conestoga-Rovers & Associates Group Number: 1355354
Reported: 12/21/12 at 10:21 AM

Surrogate Quality Control

6890274	83
6890275	90
Blank	82
LCS	93
LCSD	96

Limits: 63-135

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 12348A53A
Trifluorotoluene-F

6890266	73
6890267	73
6890268	91
6890269	92
6890277	74
6890278	73
Blank	74
LCS	86
MS	91
MSD	92

Limits: 63-135

Analysis Name: NWTPH-Dx water w/Si Gel
Batch number: 123520016A
Orthoterphenyl

6890265	92
6890266	93
6890267	96
6890268	108
6890269	107
6890270	84
6890271	81
6890272	92
6890273	91
6890274	94
6890275	97
6890276	93
Blank	98
LCS	108
MS	108
MSD	107

Limits: 50-150

Analysis Name: NWTPH-Dx water w/Si Gel
Batch number: 123520017A
Orthoterphenyl

6890277	101
Blank	102
LCS	107
LCSD	107

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Conestoga-Rovers & Associates Group Number: 1355354
Reported: 12/21/12 at 10:21 AM

Surrogate Quality Control

Limits: 50-150

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Acct#13534 Cp#1355354 Sample#6890265-78

CHAIN OF CUSTODY RECORD

COC NO.: 38429

PAGE 1 OF 1

(See Reverse Side for Instructions)

CONESTOGA-ROVERS & ASSOCIATES

Address: 1117 TACOMA AVE. SOUTH. TACOMA, WA.

Phone: _____ Fax: _____

Project No/ Phase/Task Code: 061992	**Laboratory Name:** LANCASTER	**Lab Location:**	**SSOW ID:**
Project Name: MLK - SEATTLE, WA.	**Lab Contact:**	**Lab Quote No:**	**Cooler No:**
Project Location: 2800 MLK WAY S., SEATTLE, WA			**Carrier:**
Chemistry Contact: J. CLOUD			**Airbill No:**
Sampler(s): N. Himsperger / D. Escobedo			**Date Shipped:**

Item	Sample Identification (Containers for each sample may be combined on one line)	Date (mm/dd/yy)	Time (hh:mm)	Sample Type: Matrix Code (see back of COC)	Sample Type: Grab (G) or Comp (C)	Containers, Quantity & Preservation: Unpreserved	HCl	HNO_3	H_2SO_4	NaOH	Methanol/Water (Soil VOC)	EnCores 3x5-g, 1x25-g	Other:	Total Containers/Sample	Analysis Requested: GRO	DRO	VOC's	SVOC's	Total PAHs	MS/MSD Request	Comments/ Special Instructions:
1	GW-120512-DE-MW1	12/05/12	13:50	WG	G									11	X	X	X	X	X		
2	GW-120612-DE-MW7	12/06/12	14:00	WG	G									10	X	X	X	X	X		
3	GW-120612-DE-MW3	12/06/12	10:45	WG	G									27	X	X	X	X	X	X	MS/MSD
4	GW-120512-NH-MW8	12/05/12	11:45	WG	G									11	X	X	X	X	X		
5	GW-120512-NH-FD1	12/05/12		WG	G									11	X	X	X	X	X		CPAHs + naphthalenes on all samples per M. Davis Only 8260, Gx + Dx for MS+ MSD per E. Turner. jmp 12/12/12
6	GW-120612-NH-MW5	12/06/12	11:00	WG	G									11	X	X	X	X	X		
7	GW-120512-DE-MW4	12/05/12	11:50	WG	G									11	X	X	X	X	X		
8	GW-120612-NH-MW6	12/06/12	14:00	WG	G									10	X	X	X	X	X		
9	GW-120612-DE-MW10	12/06/12	12:45	WG	G									10	X	X	X	X	X		
10	GW-120512-NH-MW9	12/05/12	14:30	WG	G									11	X	X	X	X	X		
11	GW-120612-NH-MW2	12/05/12	12:30	WG	G									10	X	X	X	X	X		
12																					
13																					
14																					
15																					

TAT Required in business days (use separate COCs for different TATs):

☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☐ 2 Week ☒ Other: STANDARD

Total Number of Containers:

All Samples in Cooler must be on COC

Notes/ Special Requirements:

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
1.	CRA	12/10/12	10:00	1.			
2.				2.			
3.				3.	LL	12/11/12	925

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT – ALL FIELDS MUST BE COMPLETED ACCURATELY

Distribution: WHITE – Fully Executed Copy (CRA) YELLOW – Receiving Laboratory Copy PINK – Shipper GOLDENROD – Sampling Crew

CRA Form: COC-10B (20110804)

eurofins | Lancaster Laboratories

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

J estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

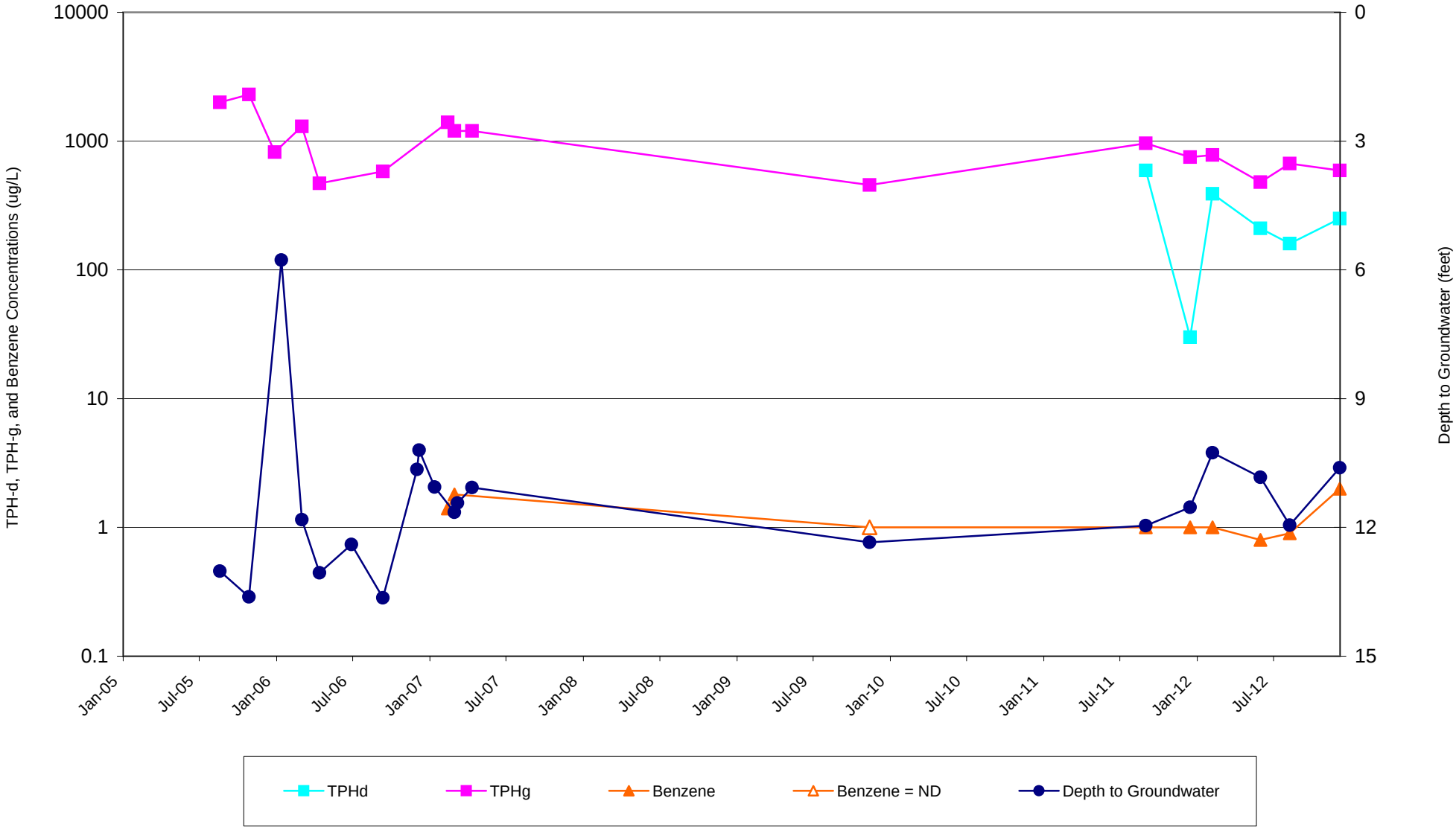
Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

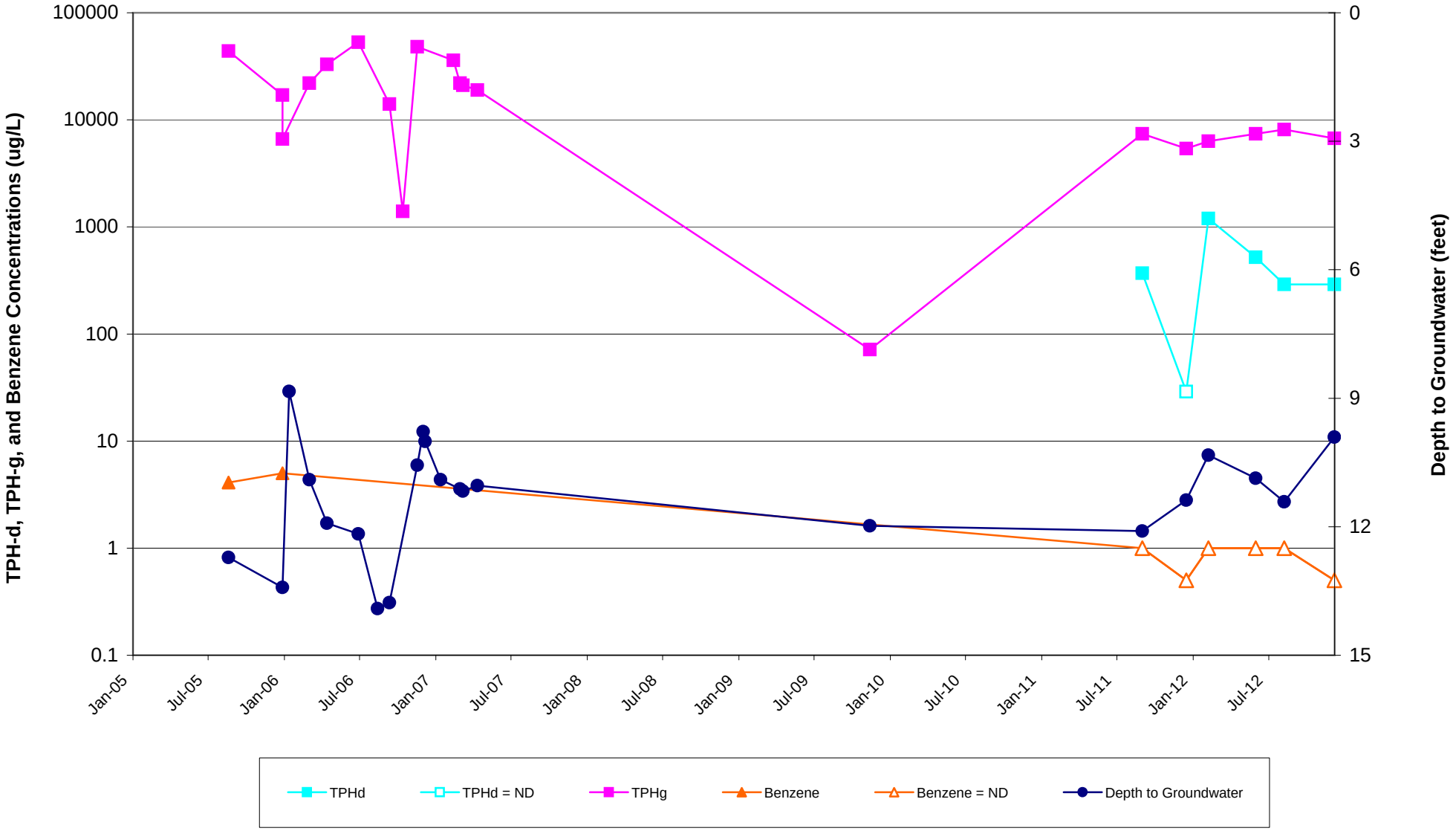
ATTACHMENT C

CONCENTRATION TREND GRAPHS

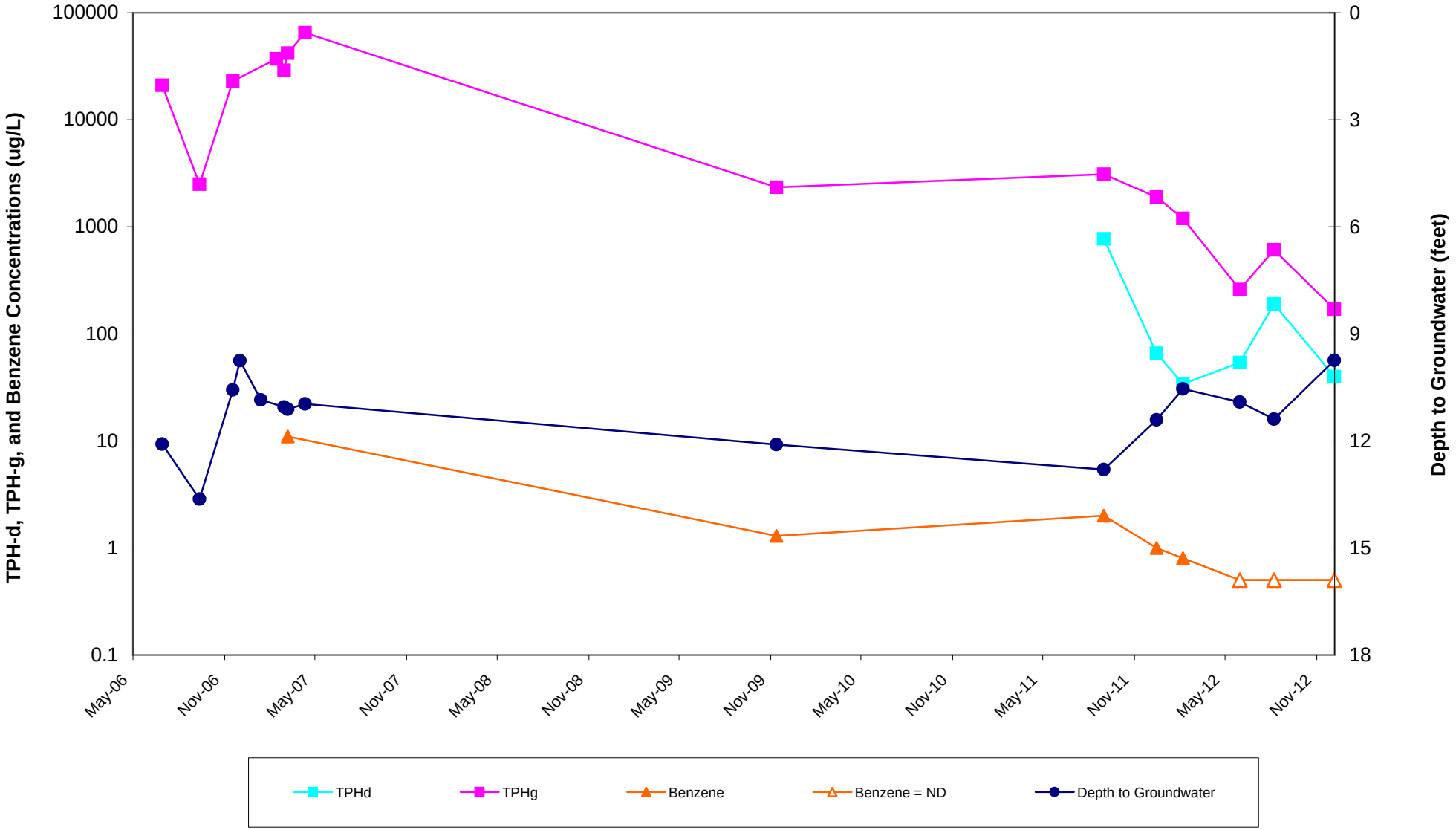
GRAPH 1
CHEMICAL CONCENTRATION VERSUS TIME
MW-2
FORMER TIDEWATER SITE
2800 MARTIN LUTHER KING JUNIOR WAY SOUTH
SEATTLE, WASHINGTON



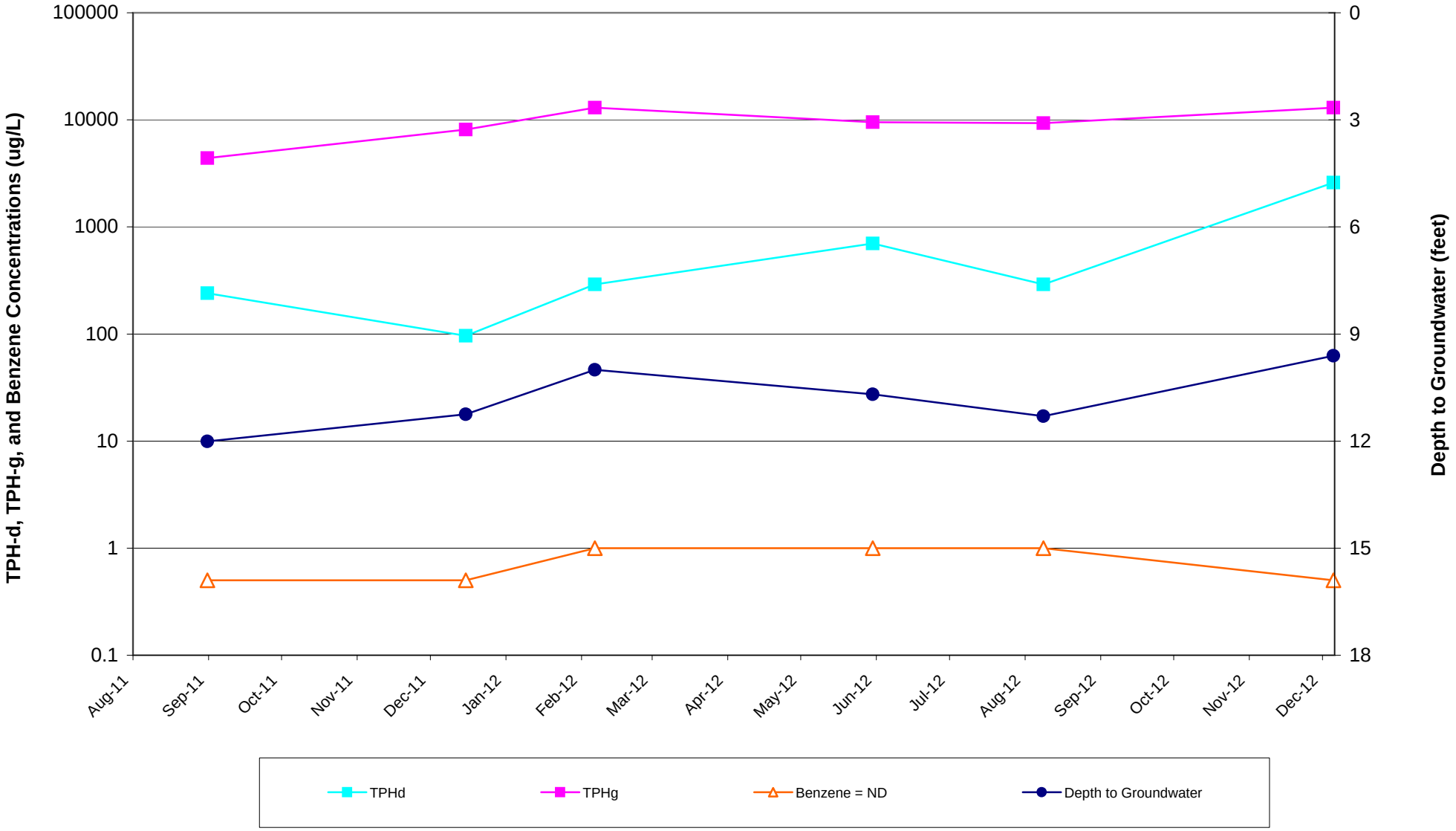
GRAPH 2
CHEMICAL CONCENTRATION VERSUS TIME
MW-3
FORMER TIDEWATER SITE
2800 MARTIN LUTHER KING JUNIOR WAY SOUTH
SEATTLE, WASHINGTON



GRAPH 3
CHEMICAL CONCENTRATION VERSUS TIME
MW-5
FORMER TIDEWATER SITE
2800 MARTIN LUTHER KING JUNIOR WAY SOUTH
SEATTLE, WASHINGTON



GRAPH 4
CHEMICAL CONCENTRATION VERSUS TIME
MW-8
FORMER TIDEWATER SITE
2800 MARTIN LUTHER KING JUNIOR WAY SOUTH
SEATTLE, WASHINGTON



ATTACHMENT D

SUMMARY OF PREVIOUS INVESTIGATIONS

SUMMARY OF PREVIOUS INVESTIGATIONS AND REMEDIATION

Former Tidewater Site
Phillips 66 Site 5173
Chevron Site 301233
2800 Martin Luther King Junior Way South
Seattle, Washington

1989

Soil and groundwater investigations at the Site began with the UST removals in 1989. All soil samples collected from the UST excavation, in the northwest corner of the Property, were documented below the Model Toxics Control Act (MTCA) Method A Cleanup Levels for constituents of concern (COC). (Stantec, 2012).

February 2005

Additional soil and groundwater investigations were conducted by G-Logics in February 2005. A groundwater sample collected from boring GL-4, contained total petroleum hydrocarbons (TPH) in the gasoline range (TPHg) at 5,900 micrograms per liter (µg/L). The sample area was located between the former western and eastern pump islands. G-Logics also conducted an investigation beneath the former heating oil UST. Impacted soil was found in this location but it did not exceed MTCA Method A cleanup levels. (Stantec, 2012).

June 2005

Further soil and groundwater investigation of the western and eastern pump island area was conducted by G-Logics in June 2005 (soil borings P1 through P11). Laboratory results confirmed that the highest concentrations of petroleum-impacted soil, mostly in the gasoline range, were from soil borings P7, P8, and P9 in the vicinity of the western pump island, which all exceeded MTCA Method A cleanup levels. The impact was primarily observed between 15 and 20 feet below ground surface (bgs). (Stantec, 2012).

August 2005

In August 2005, G-Logics began the installation and operation of an ozone treatment system. Five ozone injection points (IP-1 through IP-5) and monitoring wells MW-1, MW-2, and MW-3 were installed. The ozone system began operation on August 26, 2005. (Stantec, 2012).

June 2006

Elevated concentrations of TPHg were regularly detected at MW-3, located west of the western pump island. As a result, G-Logics continued soil investigations in the vicinity

of MW-3 in June 2006 due to elevated concentrations of TPHg detected in the groundwater well during quarterly sampling activities. Petroleum related compounds were either non-detect or were below the MTCA Method A cleanup levels in the borings, supporting that the source area was concentrated in the area of the west pump island. (Stantec, 2012).

August 2006

In August 2006, a second compressor was added to augment the ozone injection system. The second compressor was dedicated to providing a primary source of air flow to the wells; the original compressor was dedicated to providing air flow to the ozone generator. (Stantec, 2012).

December 2006 through June 2007

To supplement the ozone treatment system, in December 2006, G-Logics oversaw the installation of a horizontal pipe for In-Situ Chemical Oxidation (ISCO) in an area up-gradient of the western pump island. The pipe was installed at approximately 6 to 7 feet; installation at a greater depth was unfeasible due to soil caving. Between January and March 2007, ISCO using Fenton's Reagent was performed to supplement ozone injection remediation efforts. On January 4, 2007, a buffered, iron-catalyst was introduced with the Fenton's application. In March 2007, a Fenton's application treatment well (TW-1) was installed directly west of the west pump island source area. The ozone system was shut down in June 2007. (Stantec, 2012).

April through July 2011

In April and July 2011, Stantec Consulting oversaw Cascade Drilling, L.P. advance seven soil borings (B-1 through B-7) and install five 2-inch diameter groundwater monitoring wells (MW-6 through MW-10). Analytical results from the smear zone and water bearing zone from soil collected between 10 and 17 feet bgs contained relatively low to non-detectable concentrations for TPHg, TPH in the diesel range (TPHd), TPH in the heavy oil range (TPHo) and benzene, toluene, ethylbenzene, and total xylenes (collectively referred to as BTEX) except for the samples collected from the former heating oil UST area (B-3 and MW-9) at 10 and 15 feet bgs. Soil samples screened in the vadose zone, in general, contained low to non-detectable concentrations of TPHg, TPHd, TPHo, and BTEX. Groundwater samples collected in borings B-1 through B-7 showed slightly elevated concentrations of TPHg and total xylenes near the former pump island (borings B-2 and B-6). Down-gradient of the Site, in borings B-4 and B-5, concentrations of TPHg and BTEX were below the laboratory method detection limit (MDL). (Stantec, 2012).

References

Stantec Consulting Corporation (Stantec, 2012), First Quarter 2012 Monitoring and Sampling Report, April 27, 2012.