CONESTOGA-ROVERS & ASSOCIATES

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Lynnwood, Washington 98036
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October 9, 2012 Reference No. 061992

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

Re: Second 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 *Second Quarter 2012 Groundwater Monitoring and Sampling Report* for the site referenced above (Figure 1) on behalf of Chevron Environmental Management Company and Phillips 66 Company. Groundwater monitoring and sampling was performed by CRA. CRA's field forms and standard operating procedures (SOP) are presented as Attachment A. Lancaster Laboratories' *Analytical Results* is included as Attachment B. Historical groundwater monitoring and sampling data are included as Attachment C. Graphs depicting total petroleum hydrocarbons as diesel (TPHd), TPH as gasoline (TPHg), and benzene concentrations over time for select wells are included as Attachment D. A summary of previous site investigations is included as Attachment E. A site map is presented on Figure 2.

RESULTS OF SECOND QUARTER 2012 EVENT

On May 30 and 31, 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 — 0.05 feet/foot
- Approximate Depth to Water — 11 to 13 feet below grade
- Approximate Ground Water Elevation — 52 to 46.00 feet above mean sea level

Current groundwater monitoring and sampling data are presented in Table 1, with concentration data presented below (Table A) and on Figure 4.

TABLE A: GROUNDWATER ANALYTICAL DATA

Well ID	*TPHd (µg/L)*	*TPHo (µg/L)*	*TPHg (µg/L)*	*Benzene (µg/L)*	*Toluene (µg/L)*	*Ethylbenzene (µg/L)*	*Total Xylenes (µg/L)*	*cPAHs (µg/L)*
MTCA Method A Cleanup Levels	***500***	***500***	***800/ 1000****	***5***	***1000***	***700***	***1000***	***0.1******
MW-1	35	170	<50	<0.5	<0.7	<0.8	<0.8	0.007399
MW-2	210	<67	480	0.8	<0.7	<0.8	<0.8	0.007173
MW-3	**520**	<66	**7,400**	<1	<1	160	660	0.012868
MW-4	<29	<67	<50	<0.5	<0.7	<0.8	<0.8	0.007248
MW-5	54	<66	260	<0.5	<0.7	3	7	0.009168
MW-6	<29	<68	<50	<0.5	<0.7	<0.8	<0.8	--
MW-7	37	160	<50	<0.5	<0.7	<0.8	<0.8	0.097
MW-8	**700**	<68	**9,500**	<1	<1	110	**1,300**	0.007324
MW-8 DUP	450	<66	**10,000**	<1	<1	110	**1,300**	0.007248
MW-9	<29	<67	68	<0.5	<0.7	<0.8	<0.8	0.007248
MW-10	74	<66	<50	<0.5	<0.7	<0.8	<0.8	0.007248
MW-10 DUP*	--	--	--	--	--	--	--	--

Bold Indicates concentration exceed MTCA Method A cleanup level

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

** MW-10 DUP was only analyzed for total lead; concentration detected was 0.49 µg/L.

*** Total cPAHs adjusted for Toxicity Equivalency Factors; WAC 173-340-708(8)

CONCLUSIONS AND RECOMMENDATIONS

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

- TPHg concentrations exceeded the MTCA Method A cleanup level in groundwater in two wells (MW-3 and MW-8), with the highest concentration detected at MW-8 (Figure 5).
- TPHd concentrations exceeded the Washington State Ecology (Ecology) Model Toxics Control Act (MTCA) Method A cleanup level in groundwater in two wells (MW-3 and MW-8), with the highest concentration detected at MW-8 (Figure 6).
- TPHo concentrations were below MTCA Method A cleanup levels.
- Total xylenes in well MW-8 are the only BTEX constituent exceeding the MTCA Method A cleanup levels in groundwater (Figure 7).

- Carcinogenic Polycyclic Aromatic Hydrocarbons (cPAH) concentrations did not exceed the MTCA Method A cleanup level in groundwater samples collected.
- With the exception of MW-8, hydrocarbon concentrations exhibit decreasing concentration trends over time. The concentrations in MW-8 are stable and consistent with previous sampling events.

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 third quarter 2012 event occurred in August 2012. CRA will submit a groundwater monitoring and sampling report approximately 90 days following receipt of laboratory analytical results.

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/1
Encl.

Figure 1	Vicinity Map
Figure 2	Site Plan
Figure 3	Groundwater Elevation and Contour Map
Figure 4	Groundwater Concentration Map
Figure 5	TPHg Isoconcentration Contour Map
Figure 6	TPHd Isoconcentration Contour Map
Figure 7	Total Xylenes Isoconcentration Contour Map
Table 1	Groundwater Monitoring and Sampling Data
Attachment A	Monitoring Data Package and SOP for Low Flow Groundwater Monitoring and Sampling
Attachment B	Laboratory Analytical Report
Attachment C	Historical Groundwater Monitoring and Sampling Data
Attachment D	Benzene, TPHg & TPHd Concentration Trend Graphs
Attachment E	Summary of Previous Investigations

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

FIGURES

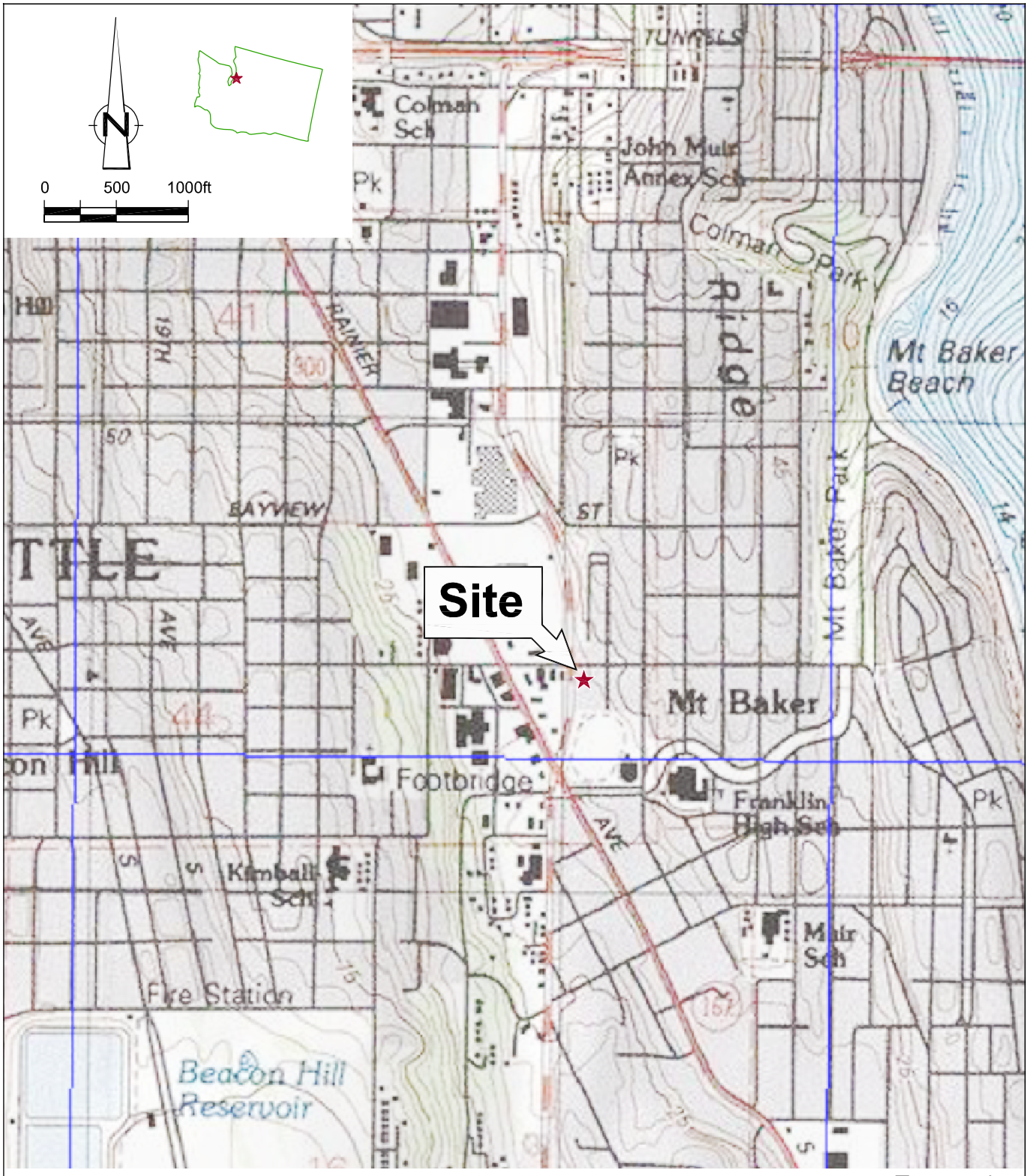


Figure 1

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

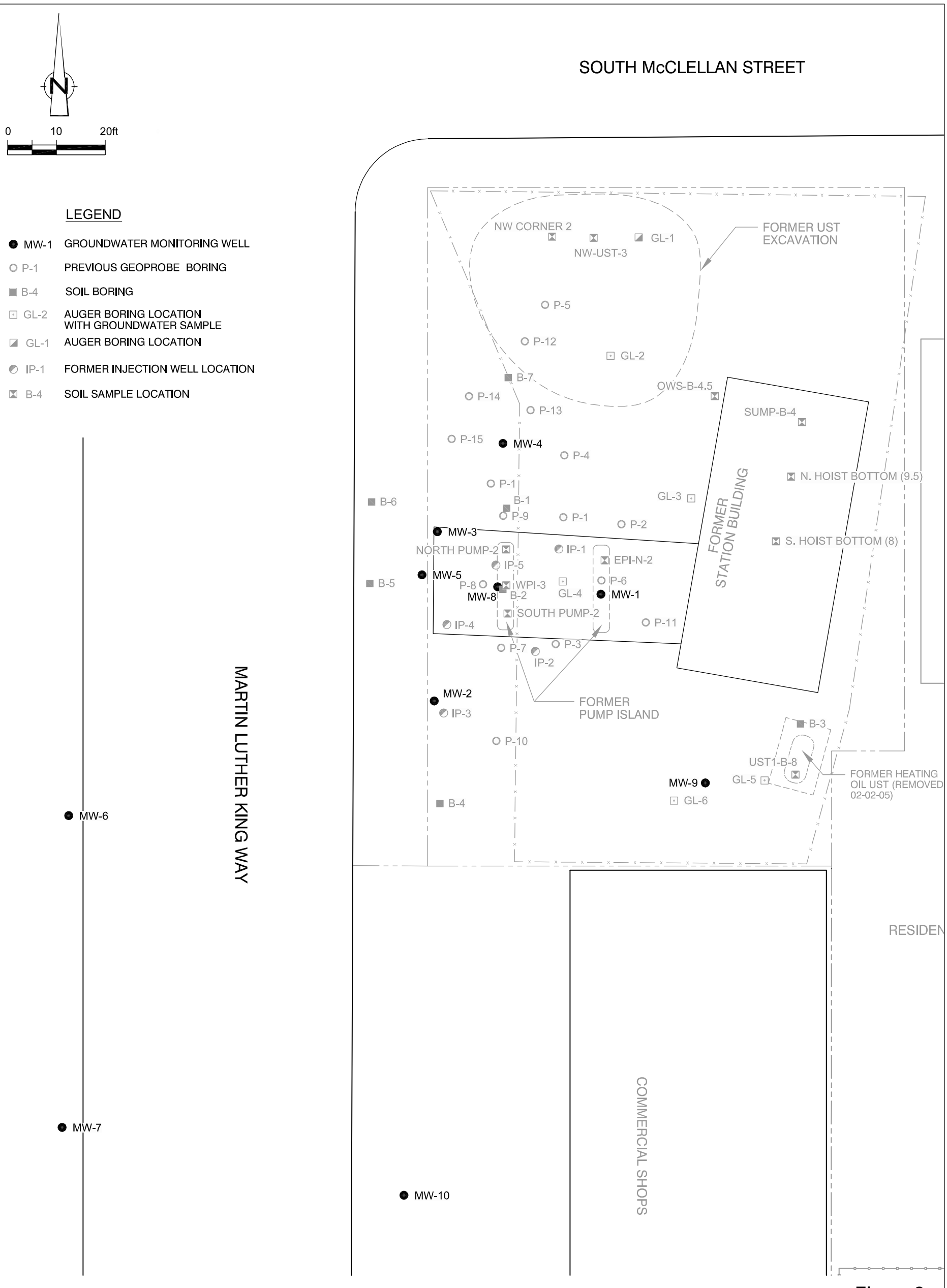


Figure 2

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

061992-95(001)GN-EM002 AUG 7/2012

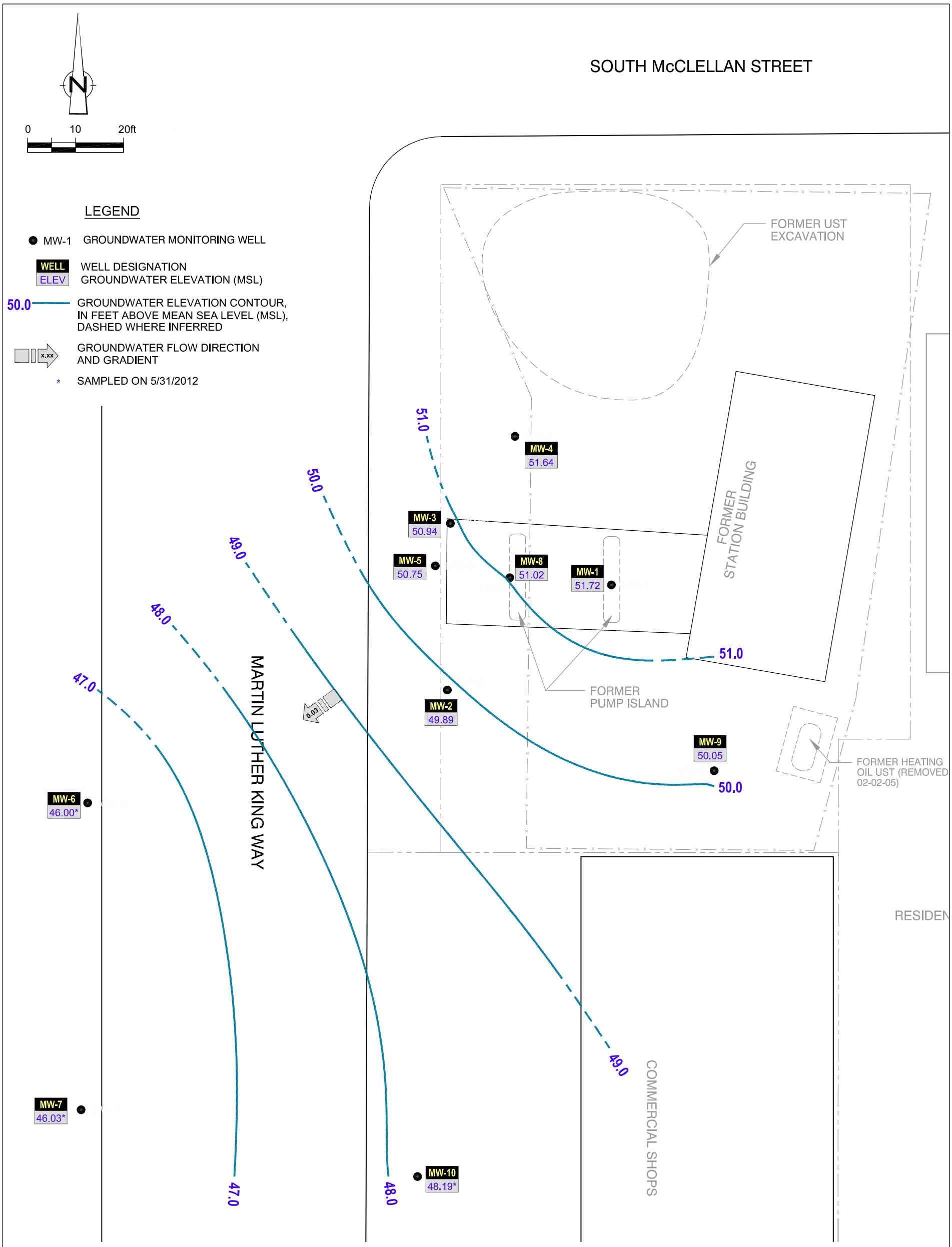
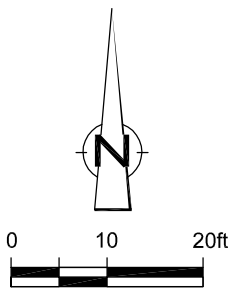


Figure 3

GROUNDWATER ELEVATION CONTOUR MAP
FORMER TIDEWATER SERVICE STATION
PHILLIPS 66 SITE 5173
CHEVRON SITE 301233
2800 MARTIN LUTHER KING WAY SOUTH
Seattle, Washington
May 30, 2012

061992-95(001)GN-EM003 AUG 7/2012



LEGEND

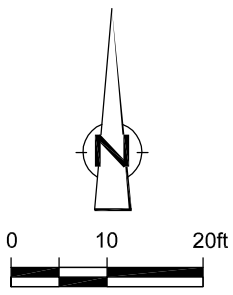
- MW-1 GROUNDWATER MONITORING WELL
- WELL — WELL DESIGNATION
- TPHG — TPHG CONCENTRATION (µg/L)
- TPHD — TPHD CONCENTRATION (µg/L)
- BENZ — BENZENE CONCENTRATION (µg/L)
- TOUL — TOULENE CONCENTRATION (µg/L)
- ETH — ETHYLBENZENE CONCENTRATION (µg/L)
- TOTAL — TOTAL XYLENES CONCENTRATION (µg/L)
- * SAMPLED ON 5/31/2012
- D DUPLICATE

Figure 4

GROUNDWATER CONCENTRATION MAP
FORMER TIDEWATER SERVICE STATION
PHILLIPS 66 SITE 5173
CHEVRON SITE 301233
2800 MARTIN LUTHER KING WAY SOUTH
Seattle, Washington
May 30, 2012

CRA

061992-95(001)GN-EM004 AUG 7/2012



LEGEND

- MW-1 GROUNDWATER MONITORING WELL
- 100 TPHg CONCENTRATION CONTOUR, IN MICROGRAMS PER LITER (µg/L) DASHED WHERE INFERRED
- WELL / TPHG — WELL DESIGNATION, TPHg CONCENTRATION (µg/L)
- * SAMPLED ON 5/31/2012
- D DUPLICATE

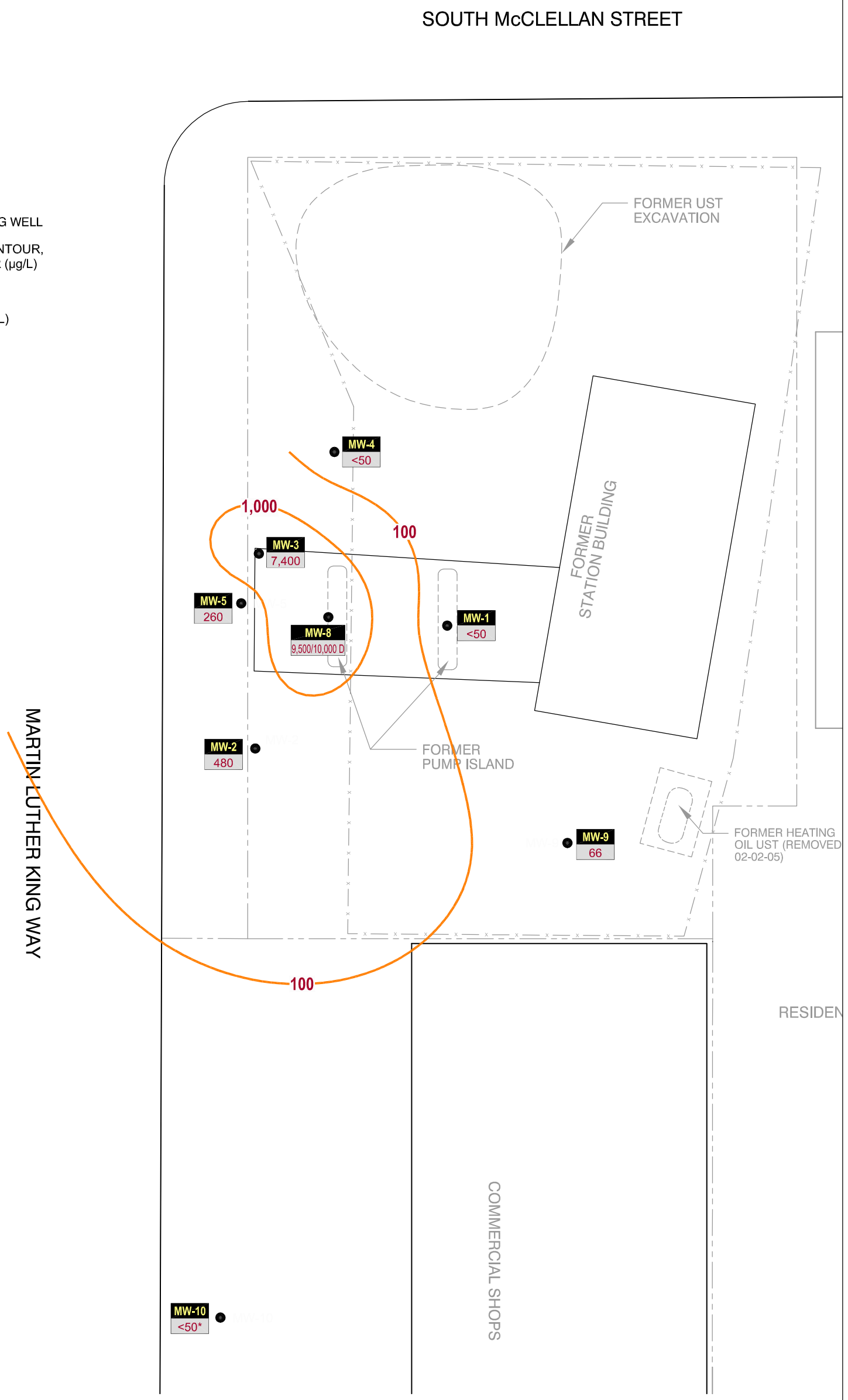


Figure 5

TPHG ISOCONCENTRATION CONTOUR MAP
FORMER TIDEWATER SERVICE STATION
PHILLIPS 66 SITE 5173
CHEVRON SITE 301233
2800 MARTIN LUTHER KING WAY SOUTH
Seattle, Washington
May 30, 2012

CRA

061992-95(001)GN-EM005 AUG 7/2012

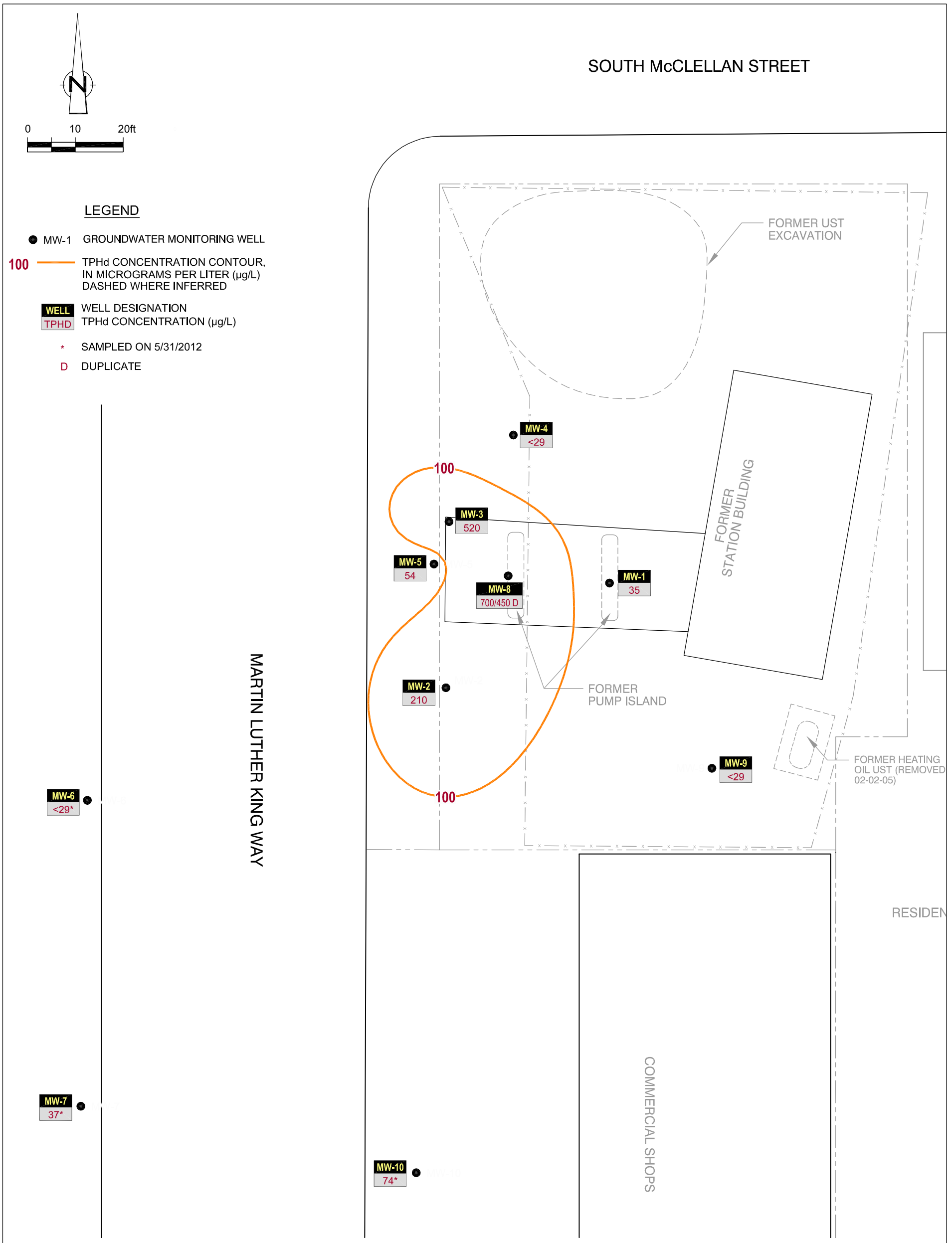
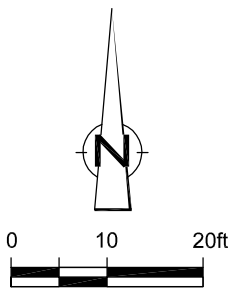


Figure 6

TPHD ISOCONCENTRATION CONTOUR MAP
FORMER TIDEWATER SERVICE STATION
PHILLIPS 66 SITE 5173
CHEVRON SITE 301233
2800 MARTIN LUTHER KING WAY SOUTH
Seattle, Washington
May 30, 2012

CRA

061992-95(001)GN-EM006 AUG 7/2012



LEGEND

- MW-1 GROUNDWATER MONITORING WELL
- 10 TOTAL XYLENES CONCENTRATION CONTOUR, IN MICROGRAMS PER LITER (µg/L) DASHED WHERE INFERRED
- WELL / TOTAL — WELL DESIGNATION; TOTAL XYLENES CONCENTRATION (µg/L)
- * SAMPLED ON 5/31/2012
- D DUPLICATE

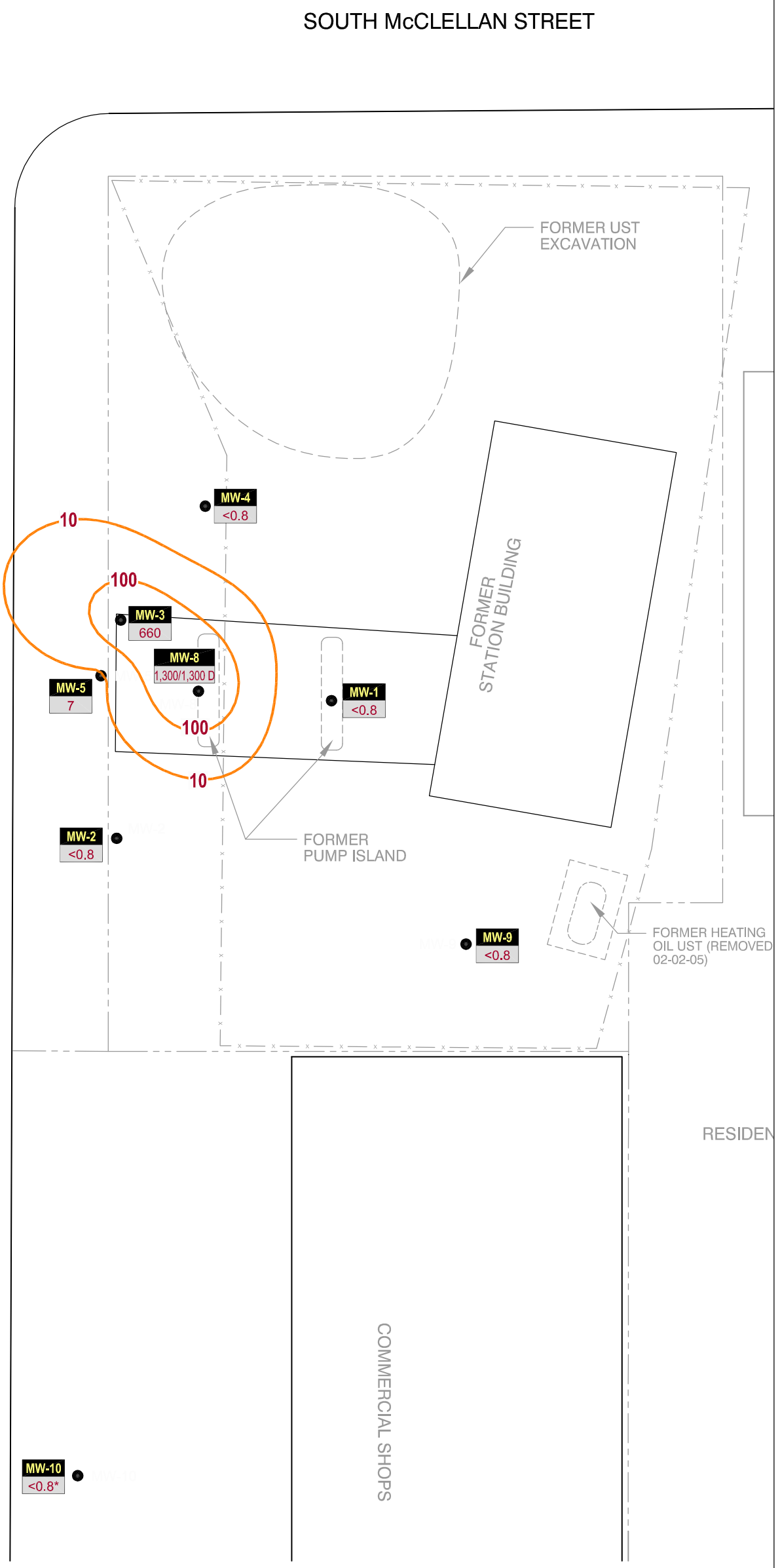


Figure 7

TOTAL XYLENES ISOCONCENTRATION CONTOUR MAP
FORMER TIDEWATER SERVICE STATION
PHILLIPS 66 SITE 5173
CHEVRON SITE 301233
2800 MARTIN LUTHER KING WAY SOUTH
Seattle, Washington
May 30, 2012

CRA

061992-95(001)GN-EM007 SEPT 11/2012

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*													
Sample ID	*Date*	*TOC*	*DTW*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*EDB*	*EDC*	*MTBE*	*Naphthalene*	*1,2,4 Tri-methylbenzene*	*1,3,5 Tri-methylbenzene*	*n-Propylbenzene*	*Iso-Propylbenzene*	*Lead*	*cPAHs*
MTCA Method A Cleanup Levels					*800/1000*	*500*	*500*	*5*	*1000*	*700*	*1000*	*0.01*	*5*	*20*	*160*	*NA*	*NA*	*NA*	*NA*	*15*	*0.1*
					(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	08/19/05	97.92	13.01	84.91	***ND***	--	--	***ND***	***ND***	***ND***	***ND***	--	--	--	--	--	--	--	--	--	--
MW-1	10/27/05	97.92	12.62	85.30	***ND***	--	--	***ND***	***ND***	***ND***	***ND***	--	--	--	--	--	--	--	--	--	--
MW-1	12/27/05	97.92	--	--	***ND***	--	--	***ND***	***ND***	***ND***	***ND***	--	--	--	--	--	--	--	--	--	--
MW-1	01/12/08	97.92	9.03	88.89	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	03/02/06	97.92	10.56	87.36	***ND***	--	--	***ND***	***ND***	***ND***	***ND***	--	--	--	--	--	--	--	--	--	--
MW-1	06/28/06	97.92	12.42	85.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	12/01/06	97.92	9.33	88.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	12/06/06	97.92	9.72	88.20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	02/28/07	97.92	11.04	86.88	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	03/07/07	97.92	11.14	86.78	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	04/11/07	97.92	11.06	86.86	***ND***	--	--	***ND***	***ND***	***ND***	***ND***	--	--	--	--	--	--	--	--	--	--
MW-1	11/12/09	97.92	11.08	86.84	<50	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--	--
MW-1	08/30/11	97.92	Well Not Sampled - Well Not Found																		
MW-1	12/15/11	97.92	Well Not Sampled - Well Not Found																		
MW-1	02/06/12	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	05/30/12	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-2	08/19/05	96.25	13.02	83.23	**2,000**	--	--	ND	10	81	91	--	--	--	--	--	--	--	--	--	--
MW-2	10/27/05	96.25	13.62	82.63	**2,300**	--	--	ND	ND	89	93	--	--	--	--	--	--	--	--	--	--
MW-2	12/27/05	96.25	--		**820**	--	--	ND	ND	21	66	--	--	--	--	--	--	--	--	--	--
MW-2	01/12/06	96.25	5.77	90.48	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	03/02/06	96.25	11.82	84.43	**1,300**	--	--	ND	3.9	23	50	--	--	--	--	--	--	--	--	--	--
MW-2	04/13/06	96.25	13.06	83.19	470	--	--	ND	1.4	6.9	15	--	--	--	--	--	--	--	--	--	--
MW-2	06/28/06	96.25	12.40	83.85	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	09/11/06	96.25	13.64	82.61	580	--	--	ND	1.6	2.9	6.2	--	--	--	--	--	--	--	--	--	--
MW-2	12/01/06	96.25	10.65	85.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	12/06/06	96.25	10.20	86.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	01/12/07	96.25	11.06	85.19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	02/12/07	96.25	--		**1,400**	--	--	1.4	3.5	16	13	--	--	--	--	--	--	--	--	--	--
MW-2	02/28/07	96.25	11.65	84.60	**1,200**	--	--	2	4	18	60	--	--	--	--	--	--	--	--	--	--
MW-2	03/07/07	96.25	11.43	84.82	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	04/11/07	96.25	11.07	85.18	**1,200**	--	--	ND	3	11	63	--	--	--	--	--	--	--	--	--	--
MW-2	11/12/09	96.25	12.35	83.90	455	--	--	<1.0	<1.0	**<1.0**	**<3.0**	--	--	--	--	--	--	--	--	--	--
MW-2	08/31/11	60.72	11.96	48.76	**960**	590	--	1	<0.7	**1**	**6**	**<1**	<1	<0.5	<1	<1	<1	59	24	--	--
MW-2	12/15/11	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	02/06/12	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	05/30/12	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-3	08/19/05	97.43	12.72	84.71	**44,000**	--	--	4.1	18	**780**	**3,600**	--	--	--	--	--	--	--	--	--	--
MW-3	12/27/05	97.43	13.42	84.01	**17,000**	--	--	ND	38	580	**3,000**	--	--	--	--	--	--	--	--	--	--
MW-3	12/27/05	97.43	--		**6,600**	--	--	**5**	22	200	**1,100**	--	--	--	--	--	--	--	--	--	--
MW-3	01/12/06	97.43	8.84	88.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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*									
Sample ID	*Date*	*TOC*	*DTW*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*EDB*	*EDC*	*MTBE*	*Naphthalene*	*1,2,4 Tri-methylbenzene*	*1,3,5 Tri-methylbenzene*	*n-Propylbenzene*	*Iso-Propylbenzene*	*Lead*	*cPAHs*
MTCA Method A Cleanup Levels					*800/1000 (µg/L)*	*500 (µg/L)*	*500 (µg/L)*	*5 (µg/L)*	*1000 (µg/L)*	*700 (µg/L)*	*1000 (µg/L)*	*0.01 (µg/L)*	*5 (µg/L)*	*20 (µg/L)*	*160 (µg/L)*	*NA (µg/L)*	*NA (µg/L)*	*NA (µg/L)*	*NA (µg/L)*	*15 (µg/L)*	*0.1 (µg/L)*
MW-3	03/02/06	97.43	10.90	86.53	**22,000**	--	--	ND	26	450	**4,200**	--	--	--	--	--	--	--	--	--	--
MW-3	04/13/06	97.43	11.92	85.51	**33,000**	--	--	ND	3	**700**	**3,100**	--	--	--	--	--	--	--	--	--	--
MW-3	06/28/06	97.43	12.17	85.26	**53,000**	--	--	ND	17	530	**2,600**	--	--	--	--	--	--	--	--	--	--
MW-3	08/13/06	97.43	13.91	83.52	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	09/11/06	97.43	13.77	83.66	**14,000**	--	--	ND	5.6	180	**1,100**	--	--	--	--	--	--	--	--	--	--
MW-3	10/13/06	97.43	--		**1,400**	--	--	ND	1	26	98	--	--	--	--	--	--	--	--	--	--
MW-3	11/17/06	97.43	10.56	86.87	**48,000**	--	--	ND	34	490	**4,100**	--	--	--	--	--	--	--	--	--	--
MW-3	12/01/06	97.43	9.78	87.65	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	12/06/06	97.43	10.01	87.42	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	01/12/07	97.43	10.90	86.53	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	02/12/07	97.43	--		**36,000**	--	--	ND	10	280	**1,800**	--	--	--	--	--	--	--	--	--	--
MW-3	02/28/07	97.43	11.12	86.31	**22,000**	--	--	ND	6	200	**1,400**	--	--	--	--	--	--	--	--	--	--
MW-3	03/07/07	97.43	11.17	86.26	**21,000**	--	--	ND	18	170	**1,000**	--	--	--	--	--	--	--	--	--	--
MW-3	04/11/07	97.43	11.04	86.39	**19,000**	--	--	ND	6	110	**1,100**	--	--	--	--	--	--	--	--	--	--
MW-3	11/12/09	97.43	11.98	85.45	71.7	--	--	ND	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--	--
MW-3	08/31/11	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	12/15/11	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	02/06/12	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	05/30/12	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-4	06/28/06	98.36	12.40	85.96	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--
MW-4	12/01/06	98.36	9.90	88.46	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	12/06/06	98.36	10.21	88.15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	02/28/07	98.36	11.43	86.93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	39148.00	98.36	11.49	86.87	ND	--	--	ND	ND	ND	**ND**	--	--	--	--	--	--	--	--	--	--
MW-4	04/11/07	98.36	11.27	87.09	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--	--	--	--	--
MW-4	11/12/09	98.36	11.82	86.54	<50	--	--	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--	--	--
MW-4	08/31/11	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	12/15/11	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	02/06/12	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	05/30/12	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-5	06/28/06	97.20	12.09	85.11	**21,000**	--	--	ND	14	290	920	--	--	--	--	--	--	--	--	--	--
MW-5	09/11/06	97.20	13.63	83.57	**2,500**	--	--	ND	ND	34	60	--	--	--	--	--	--	--	--	--	--
MW-5	11/17/06	97.20	10.57	86.63	**23,000**	--	--	ND	52	450	**1,700**	--	--	--	--	--	--	--	--	--	--
MW-5	12/01/06	97.20	9.75	87.45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	01/12/07	97.20	10.85	86.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5	02/12/07	97.20	--	--	**37,000**	--	--	ND	33	**1,600**	**2,800**	--	--	--	--	--	--	--	--	--	--
MW-5	02/28/07	97.20	11.05	86.15	**29,000**	--	--	ND	24	550	**1,800**	--	--	--	--	--	--	--	--	--	--
MW-5	03/07/07	97.20	11.11	86.09	**42,000**	--	--	**11**	24	**740**	**2,500**	--	--	--	--	--	--	--	--	--	--

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*										
Sample ID	*Date*	*TOC*	*DTW*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*EDB*	*EDC*	*MTBE*	*Naphthalene*	*1,2,4 Tri-methylbenzene*	*1,3,5 Tri-methylbenzene*	*n-Propylbenzene*	*Iso-Propylbenzene*	*Lead*	*cPAHs*
MTCA Method A Cleanup Levels					***800/1000***	***500***	***500***	***5***	***1000***	***700***	***1000***	***0.01***	***5***	***20***	***160***	***NA***	***NA***	***NA***	***NA***	***15***	***0.1***
					(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-5	04/11/07	97.20	10.96	86.24	**65,000**	--	--	ND	79	**850**	**4,000**	--	--	--	--	--	--	--	--	--	--
MW-5	11/12/09	97.20	12.10	85.10	**2,340**	--	--	1	36	<1.0	125	--	--	--	--	--	--	--	--	--	--
MW-5	08/31/11	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	12/15/11	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	02/06/12	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	05/30/12	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-6	08/31/11	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	--	--
MW-6	12/15/11	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	02/06/12	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	05/30/12	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-7	08/31/11	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	12/15/11	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	02/06/12	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	05/30/12	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-8	08/31/11	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	12/15/11	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	02/06/12	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	05/30/12	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	05/30/12	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-9	08/31/11	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	12/15/11	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	--	--
MW-9	02/06/12	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	05/30/12	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-10	08/31/11	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	12/15/11	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	02/06/12	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	05/30/12	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	05/30/12	58.96	10.77	48.19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.49	--

Abbreviations and Notes

MTCA = Model Toxics Control Act
DTW = Depth to Water in feet
GWE = Groundwater Elevation in feet relative to arbitrary benchmark
TOC = Top of Casing in feet relative to arbitrary benchmark
All results in micrograms per liter (µg/L) unless otherwise indicated.
TPHg = Total petroleum hydrocarbons as gasoline analyzed by NWTPH-Gx

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*						
Sample ID	*Date*	*TOC*	*DTW*	*GWE*	*TPHg*	*TPHd*	*TPHo*	*B*	*T*	*E*	*X*	*EDB*	*EDC*	*MTBE*	*Naphthalene*	*1,2,4 Tri-methylbenzene*	*1,3,5 Tri-methylbenzene*	*n-Propylbenzene*	*Iso-Propylbenzene*	*Lead*	*cPAHs*
MTCA Method A Cleanup Levels					*800/1000*	*500*	*500*	*5*	*1000*	*700*	*1000*	*0.01*	*5*	*20*	*160*	*NA*	*NA*	*NA*	*NA*	*15*	*0.1*
					(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)*

TPHd = Total petroleum hydrocarbons as diesel, analyzed by NWTPH-Dx
TPHo = Total petroleum hydrocarbons as oil, analyzed by NWTPH-Dx
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
Xylenes = o-xylene + m,p-xylene
VOCs = volatile organic compounds analyzed by EPA Method 8260B
EDB = 1,2 Dibromoethane analyzed by EPA Method 8011
EDC = 1,2 Dichloroethane analyzed by EPA Method 8260B
MTBE = methyl-tert butyl ether
TBA = Tertiary-butanol analyzed by EPA Method 8260B
DIPE = Di-isopropyl ether analyzed by EPA Method 8260B
ETBE = Ethyl tertiary-butyl ether analyzed by EPA Method 8260B
TAME = Tertiary-amyl methyl ether analyzed by EPA Method 8260B
cPAHs = Carcinogenic Polycyclic Aromatic Hydrocarbons analyzed by EPA Method 8270c Selective Ion Monitoring
Total Lead analyzed by EPA Method 6020
<x / ND = Not detected at laboratory reporting limit x
--- = Not analyzed
Concentrations in bold type indicate the analyte was detected above MTCA Method A cleanup levels
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.

ATTACHMENT A

MONITORING DATA PACKAGE AND SOP FOR LOW FLOW GROUNDWATER MONITORING AND SAMPLING

WATER LEVEL RECORD

PROJECT NAME: Tidewater (Seattle)

LOCATION: 2800 MILK WAY. S. SEATTLE, WA

JOB NO. : 61992

DATE: 05/30/12

CLIENT: Phillips 66

ENGINEER/GEOLOGIST: N. Hinspergen

OBSERVATION WELL	TOP OF CASING ELEVATION A		DEPTH TO WATER B		DEPTH TO PRODUCT C		WATER LEVEL ELEVATION A-B	
	feet	metres	feet	metres	feet	metres	feet	metres
MW 10			10.77					
MW 7			10.93					
MW 6			12.03					
MW 9			12.53					
MW 5			10.91					
MW 2			10.83					
MW 3			10.87					
MW 8			10.69					
MW 4			11.11					
MW 1			10.63					
Note: No product detected in monitoring wells								

CRA

Date: 05/31/12

Water Quality Meter S/N: _____

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

Depth to Water: 12.04
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- 053112 - NH - MW 6

Sample Method: Low Flow
Purge Start: 12:07
Sample Time: 13:00

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
12:11	6.57	1.6	-5.0	0.0	16.32	-98	0.0	0.31		.200	12.05	TURBID
12:16	6.67	1.5	-5.0	0.0	16.12	-95	0.0	0.30		.200	12.05	" "
12:21	6.69	1.5	-5.0	0.0	15.98	-93	0.0	0.30		.200	12.06	" "
12:26	6.76	1.5	-5.0	0.0	15.87	-90	0.0	0.30		.200	12.06	" "

Analysis:
Groundwater

See SSOW

Preservative
none

Signed _____

Notes:
All samples field filtered except Isotopes

Date: 05/31/12

Water Quality Meter S/N: _____

Location: MW 7
Name of Sampler: N. Wainwright
Weather: RAIN

Depth to Water: 10.93
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- 053112 - NW - MW 7

Sample Method: Low Flow
Purge Start: 10:54
Sample Time: 12:00

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
1059	6.78	1.4	-5.0	0.0	15.98	-110	0.0	0.37		.200	10.93	TURBID
1104	6.66	1.3	-5.0	0.0	16.04	-113	0.0	0.38		.200	10.93	" "
1109	6.63	1.3	-5.0	0.0	16.12	-118	0.0	0.38		.200	10.93	" "
1114	6.61	1.3	-5.0	0.0	16.19	-121	0.0	0.38		.200	10.93	" "

Analysis:
Groundwater
See SSOW

Preservative
none

Signed _____

Notes:
All samples field filtered except Isotopes

Date: 05/31/12

Water Quality Meter S/N: _____

Location: MW 10
Name of Sampler: N. Hinspenger
Weather: RAIN

Depth to Water: 10.54
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- 053112-NH-MW10

Sample Method: Low Flow
Purge Start: 908
Sample Time: 1000

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
912	6.52	2.6	5.0	0.0	15.95	-125	0.1	1.7		.200	10.53	TURBID
917	6.55	2.6	5.0	0.0	16.02	-129	0.1	1.7		.200	10.51	" "
922	6.56	2.6	-5.0	0.0	16.14	-131	0.1	1.7		.200	10.50	" "
927	6.57	2.6	-5.0	0.0	16.27	-133	0.1	1.7		.200	10.50	" "
932	6.59	2.6	-5.0	0.0	16.43	-139	0.1	1.7		.200	10.56	" "

Analysis:
Groundwater
See SSOW

Preservative
none

Signed _____

Notes:
All samples field filtered except Isotopes

Water Quality Meter S/N: P Pump 06103

Date: 5/30/12

Location: MW-9
Name of Sampler: T Mullin
Weather: Cloudy + warm

Depth to Water: 12.53
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- 053012-TM-MW-9

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

Sample Method: Low flow
Purge Start: 1450
Sample Time: 1535

1 Well Volume:
3 Well Volumes:

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
1453	6.7	0.731	-5	1.49	15.2	-64	0.0	0.47		200	12.53	Turbid, brown
1456	6.6	0.730	-5	0.71	15.2	-77	0.0	0.47		200	12.55	Clearing up
1459	6.6	0.736	-5	0.57	15.2	-85	0.0	0.47		200	12.56	
1502	6.6	0.730	-5	0.53	15.6	-87	0.0	0.47		200	12.57	
1505	6.6	0.715	-5	0.49	15.5	-85	0.0	0.46		200	12.58	
1508	6.6	0.702	-5	0.46	15.3	-82	0.0	0.45		200	12.57	
1511	6.5	0.679	-5	0.45	15.5	-77	0.0	0.43		200	12.58	
1514	6.5	0.649	-5	0.47	15.3	-65	0.0	0.42		200	12.58	
1517	6.4	0.620	-5	0.45	15.6	-58	0.0	0.40		200	12.56	
1520	6.4	0.607	-5	0.46	15.2	-53	0.0	0.39		200	12.56	
1523	6.3	0.593	-5	0.42	16.0	-50	0.0	0.38		200	12.54	
1526	6.3	0.588	640	0.43	15.7	-47	0.0	0.38		200	12.53	
1529	6.3	0.586	-5	0.46	15.5	-41	0.0	0.37		200	12.54	
1532	6.2	0.583	-5	0.46	15.5	-32	0.0	0.35		200	12.53	

Analysis:
Groundwater

~~THg~~
~~TMM~~
~~TPHe~~
~~VOCs~~
~~PAHs~~
Lead (total, none filtered) (HNO_3)

Preservative
none HCl

Notes:
~~All samples field filtered except isotopes~~

Signed

Date: 05/30/12

Water Quality Meter S/N: _____

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

Depth to Water: 10.91
Depth to Bottom: _____

Sample Depth: _____

QA/QC
MS/MSD _____
Duplicate _____
Blank _____

Sample IDs (GW-mmddyy-AA-XXX)

A Samplers Initials
x Location ID

GW- 053012-NH-MW5

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

_____

Sample Method: Low Flow
Purge Start: 15:59
Sample Time: 17:00

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
16:07	6.23	0.57	-5.0	0.0	17.59	-71	0.0	0.36		.200	10.91	TURBID
16:12	5.91	0.49	-5.0	0.0	18.47	-32	0.0	0.32		.200	10.91	" "
16:17	5.98	0.49	-5.0	0.0	18.40	-30	0.0	0.32		.200	10.91	" "
16:22	6.05	0.49	-5.0	0.0	18.54	-31	0.0	0.32		.200	10.91	" "
16:27	6.07	0.49	-5.0	0.0	18.14	-33	0.0	0.33		.200	10.91	" "
16:32	6.14	0.49	-5.0	0.0	17.93	-32	0.0	0.32		.200	10.91	" "
16:37	6.16	0.49	-5.0	0.0	17.57	-32	0.0	0.32		.200	10.91	" "

Analysis:
Groundwater
See SSOW

Preservative
none

Signed _____

Notes:
All samples field filtered except Isotopes

Date: 5/30/12

Water Quality Meter S/N: _____

Location: mw-2 MW-2
Name of Sampler: Tim Mullen
Weather: Partly cloudy and warm

Depth to Water: 10.83 ft
Depth to Bottom: 21.35 ft

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- 053012-TM-MW-2

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

Sample Method: Low Flow
Purge Start: 1640
Sample Time: 1710

1 Well Volume: _____
3 Well Volumes: _____

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
1644	6.1	0.582	810	2.81	16.4	-100	0.0	0.37		200	10.98	Light brown, turbid
1647	6.1	0.552	430	1.38	17.5	-102	0.0	0.35		200	10.99	
1650	6.0	0.552	420	0.85	18.0	-103	0.0	0.35		200	10.93	
1653	6.0	0.558	370	0.78	18.4	-105	0.0	0.36		200	10.92	
1656	6.0	0.566	340	0.72	18.5	-106	0.0	0.36		200	10.93	
1659	6.1	0.569	330	0.68	18.9	-107	0.0	0.36		200	10.90	
1702	6.1	0.575	310	0.63	19.2	-107	0.0	0.37		200	10.89	
1705	6.1	0.579	290	0.62	19.2	107	0.0	0.37		200	10.88	
~~1708~~												

Analysis:
Groundwater
See SSOW

Preservative
none

Signed _____

Notes:
~~All samples field filtered except Isotopes~~

Date: 05/30/12

Water Quality Meter S/N: _____

Location: MW 3
Name of Sampler: N. Hinsperger
Weather: Sunny

Depth to Water: 10.87
Depth to Bottom: _____

Sample Depth: _____

QA/QC
MS/MSD _____
Duplicate _____
Blank _____

Sample IDs (GW-mmddyy-AA-XXX)

A Samplers Initials
x Location ID

GW- 053012-NH-MW3

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

_____

Sample Method: Low Flow
Purge Start: 14:40
Sample Time: 15:30

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
14:54	5.89	0.57	191.0	0.0	15.13	-77	0.0	0.37		.250	11.24	clearing
14:59	5.93	0.57	162.0	0.0	15.70	-80	0.0	0.37		.250	11.20	" "
15:04	5.96	0.57	69.4	0.0	16.26	-84	0.0	0.37		.250	11.19	" "
15:09	6.00	0.58	28.9	0.0	16.09	-88	0.0	0.37		.256	11.19	" "
15:14	6.05	0.58	0.0	0.0	16.11	-93	0.0	0.37		.256	11.19	" "
												slight odor present

Analysis:
Groundwater
See SSOW

Preservative
none

Signed _____

Notes:
All samples field filtered except Isotopes

Date: 05/30/12

Water Quality Meter S/N: _____

Location: MW 8
Name of Sampler: T. Mullin / N. Hinspeger
Weather: Overcast

Depth to Water: 10.69 ft
Depth to Bottom: 20.01 ft

Sample Depth: _____

QA/QC
MS/MSD _____
Duplicate ✓
Blank _____

Sample IDs (GW-mmddyy-AA-XXX)

A Samplers Initials
x Location ID

GW- 053012-TM-MW8
GW- 053012-TM-MW8FD

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

_____

Sample Method: Low Flow
Purge Start: 1155
Sample Time: 1230

1 Well Volume: _____
3 Well Volumes: _____

2" PVC
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
12:01	6.1	0.560	310	1.85	15.3	-87	0.0	0.36		200	10.81	TURBID
12:04	6.1	0.555	270	0.85	14.9	-93	0.0	0.36		200	10.82	Light brown, silty
12:07	6.1	0.562	200	0.76	14.6	-97	0.0	0.36		200	10.83	clearing up
12:10	6.1	0.566	160	0.68	14.5	-100	0.0	0.36		200	10.84	Colorless
12:13	6.1	0.568	150	0.62	14.5	-101	0.0	0.36		200	10.85	"
12:16	6.1	0.568	140	0.55	14.5	-102	0.0	0.36		200	10.85	"
12:19	6.1	0.570	180	0.49	14.2	-104	0.0	0.36		200	10.86	
12:22	6.1	0.569	160	0.48	14.1	-105	0.0	0.36		200	10.88	
12:25	6.1	0.569	150	0.46	14.1	-107	0.0	0.36		200	10.88	

Analysis:
Groundwater
See SSOW

Preservative
none

Signed _____

Notes:
All samples field filtered except Isotopes

Date: 05/30/12

Water Quality Meter S/N: _____

Location: MW 4
Name of Sampler: N. Hinsperger
Weather: Overcast

Depth to Water: 11.11
Depth to Bottom: 19.21

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- 053012 - NH - MW 4

Sample Method: Low Flow
Purge Start: 12:32
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
12:42	6.14	0.71	-5.0	0.0	17.63	-102	0.0	0.45		.200	11.23	TURBID
12:47	6.15	0.70	-5.0	0.0	17.70	-112	0.0	0.45		.200	11.23	" "
12:52	6.25	0.99	-5.0	0.0	18.07	-119	0.0	0.40		.200	11.23	" "
12:57	6.27	0.59	-5.0	0.0	18.18	-126	0.0	0.43		.200	11.23	" "
13:02	6.45	0.75	-5.0	0.0	17.90	-128	0.0	0.48		.200	11.23	" "
13:07	6.47	0.72	-5.0	0.0	17.93	-138	0.0	0.46		.200	11.23	" "
13:12	6.48	0.72	-5.0	0.0	18.03	-139	0.0	0.46		.200	11.23	" "

Analysis:
Groundwater
See SSOW

Preservative
none

Signed _____

Notes:
All samples field filtered except Isotopes

Date: 05/30/12

Water Quality Meter S/N: _____

Location: MW1
Name of Sampler: N. Hinsperger / T. Mullin
Weather: Overcast

Depth to Water: 10.63
Depth to Bottom: 22.61

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- 053012-NH-MW1

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

Sample Method: Low Flow
Purge Start: 10:25
Sample Time: 1100

1 Well Volume: _____
3 Well Volumes: _____

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
1028	5.8	0.573	350	3.16	13.8	-24	0.0	0.36			11.08	light brown
1033	5.9	0.535	>1,000	0.45	14.0	-81	0.0	0.34			11.23	light brown silty
1038	6.0	0.597	>1,000	0.29	14.7	-94	0.0	0.38			11.10	clearing up
1043	6.1	0.608	980	0.33	14.5	-81	0.0	0.39			11.06	colorless
1048	6.1	0.550	410	0.38	14.4	-72	0.0	0.38			11.04	
1053	6.1	0.539	180	0.35	14.4	-66	0.0	0.36			11.03	
1058	6.1	0.517	150	0.40	14.7	-62	0.0	0.33			11.01	
1101	6.1	0.510	150	0.44	14.8	-61	0.0	0.33			10.97	
1104	6.1	0.505	130	0.45	15.0	-60	0.0	0.32			10.94	

Analysis:
Groundwater

Preservative
none

Notes:
All samples field filtered except Isotopes

Signed _____

2" well

CHAIN OF CUSTODY RECORD

CONESTOGA-ROVERS & ASSOCIATES
1117 TACOMA AVE. S.
TACOMA, WA. 98402-2005

SHIPPED TO (Laboratory Name): LANCASTER LABORATORIES 2425 NEW HOLLAND PIKE LANCASTER, PA 17601

REFERENCE NUMBER: 61992

SAMPLER'S SIGNATURE: [signature] PRINTED NAME: N. Hinsperger

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. of Containers	NWTPH Gx	NWTPH Dx	VOC's	SVOC's	LEAD					REMARKS
	05/30/12	11:00	GW-053012-NH-MW1	GRAB	11	X	X	X	X	X					See SSOW for
	05/30/12	13:30	GW-053012-NH-MW4	GRAB	11	X	X	X	X	X					specific VOC
	05/30/12	12:30	GW-053012-TM-MW8	GRAB	11	X	X	X	X	X					analytes
	05/30/12	12:30	GW-053012-TM-MW8 FD	GRAB	11	X	X	X	X	X					
	05/30/12	15:30	GW-053012-NH-MW3	GRAB	11	X	X	X	X	X					
	05/30/12	17:10	GW-053012-TM-MW2	GRAB	11	X	X	X	X	X					
	05/30/12	17:00	GW-053012-NH-MW5	GRAB	11	X	X	X	X	X					
	05/30/12	15:35	GW-053012-NH-MW9	GRAB	11	X	X	X	X	X					
	05/31/12	10:00	GW-053112-NH-MW10	GRAB	27	X	X	X	X	X					MS/MSD
	05/31/12	12:00	GW-053112-NH-MW7	GRAB	9	X	X	X	X	X					
	05/31/12	15:00	GW-053112-NH-MW6	GRAB	9	X	X	X	X	X					

TOTAL NUMBER OF CONTAINERS: 133

HEALTH/CHEMICAL HAZARDS:

RELINQUISHED BY: ① [signature]	DATE: 05/31/12 TIME: 16:00	RECEIVED BY: ①	DATE: TIME:
RELINQUISHED BY: ②	DATE: TIME:	RECEIVED BY: ②	DATE: TIME:
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:

METHOD OF SHIPMENT: WAY BILL No.

White —Fully Executed Copy
Yellow —Receiving Laboratory Copy
Pink —Shipper Copy
Goldenrod —Sampler Copy

SAMPLE TEAM: N. Hinsperger, T. Mullin

RECEIVED FOR LABORATORY BY:
DATE: TIME:

Nº CRA 20865

1001 (D) APR 28/97(NF) REV. 0 (F-15)

CONESTOGA-ROVERS & ASSOCIATES

STANDARD OPERATING PROCEDURES FOR LOW FLOW GROUNDWATER MONITORING AND SAMPLING

This document presents standard field methods for groundwater monitoring, purging and sampling, and well development. These procedures are designed to comply with Federal, State and local regulatory guidelines. Specific field procedures are summarized below.

Groundwater Monitoring

Prior to performing monitoring activities, the historical monitoring and analytical data of each monitoring well shall be reviewed to determine if any of the wells are likely to contain separate phase hydrocarbons (SPH) and to determine the order in which the wells will be monitored (i.e. cleanest to dirtiest). Groundwater monitoring should not be performed when the potential exists for surface water to enter the well (i.e. flooding during a rainstorm).

Prior to monitoring, each well shall be opened and the well cap removed to allow water levels to stabilize and equilibrate. The condition of the well box and well cap shall be observed and recommended repairs noted. Any surface water that may have entered and flooded the well box should be evacuated prior to removing the well cap. In wells with no history of SPH, the static water level and total well depth shall be measured to the nearest 0.01 foot with an electronic water level meter. Wells with the highest contaminant concentrations shall be monitored last. In wells with a history of SPH, the SPH level/thickness and static water level shall be measured to the nearest 0.01 foot using an electronic interface probe. The water level meter and/or interface probe shall be thoroughly cleaned and decontaminated at the beginning of the monitoring event and between each well. All monitoring and sample equipment (e.g., pumps, in-line water quality measurement device, tubing, etc.) shall be decontaminated using soapy water consisting of Liqui-nox™ or Alconox™ followed by one rinse of clean tap water and then two rinses of distilled water.

Groundwater Purging and Sampling

Prior to groundwater purging and sampling, the historical analytical data of each monitoring well shall be reviewed to determine the order in which the wells should be purged and sampled (i.e. cleanest to dirtiest). No purging or groundwater sampling shall be performed on wells with a sheen or measurable thickness of SPH or floating

SPH globules. Prior to purging, all monitoring equipment shall be decontaminated and calibrated to manufacturer's recommendations. Wells shall be purged by using an aboveground pump (e.g. peristaltic or Wattera™) or down-hole pump (e.g. Grundfos™ or DC Purger pump) provided the pump has flow control. The pump intake shall be slowly lowered down the well and set in the middle of the screened interval as to not disturb the water column. An in-line water quality measurement device (e.g., flow-through cell) shall be used to establish the stabilization time for the necessary parameters (e.g., pH, temperature, specific conductance, oxidation reduction potential (redox), dissolved oxygen, and turbidity.

Groundwater wells shall be purged at a rate of approximately 0.1 to 0.5 Liters per minute (L/min), unless site conditions warrant otherwise, until groundwater parameters have stabilized to within 10 percent for three consecutive readings. Temperature, pH, specific conductance, oxidation reduction potential (redox), dissolved oxygen, and turbidity shall be measured and recorded at the start and completion of purging. The total volume of groundwater removed shall be recorded along with any other notable physical characteristic such as color and odor.

Groundwater samples shall be collected into clean containers supplied by the analytical laboratory directly from the output after stabilization of groundwater parameters has been established. New latex gloves and disposable tubing shall be used for sampling each well. If a down-hole pump is used for groundwater purging and collection, it shall be decontaminated before purging and sampling each well by using soapy water consisting of Liqui-nox™ or Alconox™ followed by one rinse of clean tap water and then two rinses of distilled water. If a submersible pump with non-dedicated discharge tubing is used for groundwater purging, both the inside and outside of pump and discharge tubing shall be decontaminated as described above.

Sample Handling

Except for samples that will be tested in the field, or that require special handling or preservation, samples shall be stored in coolers chilled to 4° C for shipment to the analytical laboratory. Samples shall be labeled, placed in protective foam sleeves or bubble wrap as needed, stored on crushed ice at or below 4° C, and submitted under chain-of-custody (COC) to the laboratory. The laboratory shall be notified of the sample shipment schedule and arrival time. Samples shall be shipped to the laboratory within a

time frame to allow for extraction and analysis to be performed within the standard sample holding times.

Sample labels shall be filled out using indelible ink and must contain the site name; field identification number; the date, time, and location of sample collection; notation of the type of sample; identification of preservatives used; remarks; and the signature of the sampler. Field identification must be sufficient to allow easy cross-reference with the field datasheet.

All samples submitted to the laboratory shall be accompanied by a COC record to ensure adequate documentation. One copy of the COC shall be kept in the QA/QC file and another copy shall be retained in the project file. Information on the COC shall consist of the project name and number; project location; sample numbers; sampler/recorder's signature; date and time of collection of each sample; sample type; analyses requested; name of person receiving the sample; and date of receipt of sample. Laboratory-supplied trip blanks shall accompany the samples and be analyzed to check for cross-contamination, if requested by the project manager.

Well Development

Wells shall be developed using a combination of groundwater surging and extraction. A surge block shall be used to swab the well and agitate the groundwater in order to dislodge any fine sediment from the sand pack. After approximately 10 minutes of swabbing the well, groundwater shall be extracted from the well using a bailer, pump and/or reverse air-lifting through a pipe to remove the sediments from the well. Alternating surging and extraction shall continue until the sediment volume in the groundwater (i.e. turbidity) is negligible, which typically requires extraction of approximately 10 well-casing volumes of groundwater. Preliminary well development usually is performed during well installation prior to placing the sanitary surface seal to ensure sand pack stabilization. Well development that is performed after surface seal installation should occur 72 hours or more after seal installation to ensure that the cement has had adequate time to set.

Waste Handling and Disposal

Groundwater extracted during development and sampling shall be stored onsite in sealed U.S. DOT H17 55-gallon drums. Each drum shall be labeled with the contents, date of generation, generator identification, and consultant contact. Groundwater

analytical data will be used to properly characterize and dispose of the waste material. If hydrocarbon concentrations in the purged groundwater are below cleanup levels, groundwater will be discharged to the ground surface, at least 100 feet from the nearest surface water body.

ATTACHMENT B

LABORATORY ANALYTICAL REPORT

eurofins | Lancaster Laboratories

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

Analysis 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

June 13, 2012

Project: Tidewater Seattle

Submittal Date: 06/01/2012
Group Number: 1312979
PO Number: 061992-2012.3
State of Sample Origin: WA

Client Sample Description	Lancaster Labs (LLI) #
GW-053012-NH-MW1 Grab Water	6674503
GW-053012-NH-MW4 Grab Water	6674504
GW-053012-TM-MW8 Grab Water	6674505
GW-053012-TM-MW8_FD Grab Water	6674506
GW-053012-NH-MW3 Grab Water	6674507
GW-053012-TM-MW2 Grab Water	6674508
GW-053012-NH-MW5 Grab Water	6674509
GW-053012-TM-MW9 Grab Water	6674510
GW-053112-NH-MW10 Grab Water	6674511
GW-053112-NH-MW10 MS Grab Water	6674512
GW-053112-NH-MW10 MSD Grab Water	6674513
GW-053112-NH-MW10 DUP Grab Water	6674514
GW-053112-NH-MW7 Grab Water	6674515
GW-053112-NH-MW6 Grab Water	6674516
Trip_Blank Water	6674517

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

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Analysis Report

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

ELECTRONIC COPY TO Conestoga-Rovers & Associates Attn: Matt Davis

Respectfully Submitted,

Jill M. Parker
Senior Specialist

(717) 556-7262

eurofins | Lancaster Laboratories

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

Analysis Report

Sample Description: **GW-053012-NH-MW1 Grab Water**
Tidewater Seattle
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6674503
LLI Group # 1312979
Account # 13534

Project Name: Tidewater Seattle

Collected: 05/30/2012 11:00 by NH

Submitted: 06/01/2012 09:25
Reported: 06/13/2012 16:34

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

MLK01

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**	
10903	Acetone	67-64-1	N.D.	6	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromobenzene	108-86-1	N.D.	1	1
10903	Bromochloromethane	74-97-5	N.D.	1	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	2-Butanone	78-93-3	N.D.	3	1
10903	n-Butylbenzene	104-51-8	N.D.	1	1
10903	sec-Butylbenzene	135-98-8	N.D.	1	1
10903	tert-Butylbenzene	98-06-6	N.D.	1	1
10903	Carbon Disulfide	75-15-0	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	2-Chlorotoluene	95-49-8	N.D.	1	1
10903	4-Chlorotoluene	106-43-4	N.D.	1	1
10903	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,2-Dibromoethane	106-93-4	N.D.	1	1
10903	Dibromomethane	74-95-3	N.D.	1	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	24	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	1,3-Dichloropropane	142-28-9	N.D.	1	1
10903	2,2-Dichloropropane	594-20-7	N.D.	1	1
10903	1,1-Dichloropropene	563-58-6	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Hexachlorobutadiene	87-68-3	N.D.	2	1
10903	2-Hexanone	591-78-6	N.D.	3	1
10903	Isopropylbenzene	98-82-8	N.D.	1	1
10903	p-Isopropyltoluene	99-87-6	N.D.	1	1
10903	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10903	4-Methyl-2-pentanone	108-10-1	N.D.	3	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	Naphthalene	91-20-3	N.D.	1	1
10903	n-Propylbenzene	103-65-1	N.D.	1	1
10903	Styrene	100-42-5	N.D.	1	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1	1

Sample Description: GW-053012-NH-MW1 Grab Water
Tidewater Seattle
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6674503
LLI Group # 1312979
Account # 13534

Project Name: Tidewater Seattle

Collected: 05/30/2012 11:00 by NH

Submitted: 06/01/2012 09:25
Reported: 06/13/2012 16:34

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

MLK01

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**	
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	9	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,2,3-Trichlorobenzene	87-61-6	N.D.	1	1
10903	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	13	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1	1
10903	1,2,4-Trimethylbenzene	95-63-6	N.D.	1	1
10903	1,3,5-Trimethylbenzene	108-67-8	N.D.	1	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	m+p-Xylene	179601-23-1	N.D.	0.8	1
10903	o-Xylene	95-47-6	N.D.	0.8	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	N.D.	0.0098	1
08357	Acenaphthylene	208-96-8	N.D.	0.0098	1
08357	Anthracene	120-12-7	N.D.	0.0098	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.0098	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.0098	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.0098	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.0098	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.0098	1
08357	Chrysene	218-01-9	N.D.	0.0098	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.0098	1
08357	Fluoranthene	206-44-0	0.011	0.0098	1
08357	Fluorene	86-73-7	N.D.	0.0098	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.0098	1
08357	Naphthalene	91-20-3	N.D.	0.029	1
08357	Phenanthrene	85-01-8	N.D.	0.029	1
08357	Pyrene	129-00-0	N.D.	0.0098	1
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.	35	29	1
02211	HRO C24-C40 w/Si Gel	n.a.	170	67	1
Metals	**SW-846 6020**		**ug/l**	**ug/l**	
06035	Lead	7439-92-1	1.7	0.080	1

Sample Description: GW-053012-NH-MW1 Grab Water
Tidewater Seattle
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6674503
LLI Group # 1312979
Account # 13534

Project Name: Tidewater Seattle

Collected: 05/30/2012 11:00 by NH

Submitted: 06/01/2012 09:25
Reported: 06/13/2012 16:34

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

MLK01

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
10903	8260 CVX Solvent Cmpd List	SW-846 8260B	1	T121591AA	06/07/2012 14:31	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T121591AA	06/07/2012 14:31	Linda C Pape	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	12156WAB026	06/05/2012 15:53	Linda M Hartenstine	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	12156WAB026	06/04/2012 21:35	Karen L Beyer	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12158A07A	06/07/2012 23:44	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12158A07A	06/07/2012 23:44	Marie D John	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	121570024A	06/11/2012 15:06	Tracy A Cole	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	121570024A	06/06/2012 10:00	Cynthia J Salvatori	1
06035	Lead	SW-846 6020	1	121566050003A	06/08/2012 21:17	Parker D Lindstrom	1
06050	ICP/MS SW-846 Water Digest	SW-846 3020A	1	121566050003	06/04/2012 22:00	Annamaria Stipkovits	1

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Analysis Report

Sample Description: **GW-053012-NH-MW4 Grab Water**
Tidewater Seattle
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6674504
LLI Group # 1312979
Account # 13534

Project Name: Tidewater Seattle

Collected: 05/30/2012 13:30 by NH

Submitted: 06/01/2012 09:25
Reported: 06/13/2012 16:34

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

MLK04

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**	
10903	Acetone	67-64-1	N.D.	6	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromobenzene	108-86-1	N.D.	1	1
10903	Bromochloromethane	74-97-5	N.D.	1	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	2-Butanone	78-93-3	N.D.	3	1
10903	n-Butylbenzene	104-51-8	N.D.	1	1
10903	sec-Butylbenzene	135-98-8	N.D.	1	1
10903	tert-Butylbenzene	98-06-6	N.D.	1	1
10903	Carbon Disulfide	75-15-0	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	2-Chlorotoluene	95-49-8	N.D.	1	1
10903	4-Chlorotoluene	106-43-4	N.D.	1	1
10903	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,2-Dibromoethane	106-93-4	N.D.	1	1
10903	Dibromomethane	74-95-3	N.D.	1	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	1,3-Dichloropropane	142-28-9	N.D.	1	1
10903	2,2-Dichloropropane	594-20-7	N.D.	1	1
10903	1,1-Dichloropropene	563-58-6	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Hexachlorobutadiene	87-68-3	N.D.	2	1
10903	2-Hexanone	591-78-6	N.D.	3	1
10903	Isopropylbenzene	98-82-8	N.D.	1	1
10903	p-Isopropyltoluene	99-87-6	N.D.	1	1
10903	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10903	4-Methyl-2-pentanone	108-10-1	N.D.	3	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	Naphthalene	91-20-3	N.D.	1	1
10903	n-Propylbenzene	103-65-1	N.D.	1	1
10903	Styrene	100-42-5	N.D.	1	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1	1

Sample Description: GW-053012-NH-MW4 Grab Water
Tidewater Seattle
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6674504
LLI Group # 1312979
Account # 13534

Project Name: Tidewater Seattle

Collected: 05/30/2012 13:30 by NH

Submitted: 06/01/2012 09:25
Reported: 06/13/2012 16:34

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

MLK04

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**	
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,2,3-Trichlorobenzene	87-61-6	N.D.	1	1
10903	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	N.D.	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1	1
10903	1,2,4-Trimethylbenzene	95-63-6	N.D.	1	1
10903	1,3,5-Trimethylbenzene	108-67-8	N.D.	1	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	m+p-Xylene	179601-23-1	N.D.	0.8	1
10903	o-Xylene	95-47-6	N.D.	0.8	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	N.D.	0.0096	1
08357	Acenaphthylene	208-96-8	N.D.	0.0096	1
08357	Anthracene	120-12-7	N.D.	0.0096	1
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(g,h,i)perylene	191-24-2	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	Fluoranthene	206-44-0	N.D.	0.0096	1
08357	Fluorene	86-73-7	N.D.	0.0096	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.0096	1
08357	Naphthalene	91-20-3	N.D.	0.029	1
08357	Phenanthrene	85-01-8	N.D.	0.029	1
08357	Pyrene	129-00-0	N.D.	0.0096	1
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	1.8	0.080	1

Sample Description: GW-053012-NH-MW4 Grab Water
Tidewater Seattle
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6674504
LLI Group # 1312979
Account # 13534

Project Name: Tidewater Seattle

Collected: 05/30/2012 13:30 by NH

Submitted: 06/01/2012 09:25
Reported: 06/13/2012 16:34

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

MLK04

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
10903	8260 CVX Solvent Cmpd List	SW-846 8260B	1	T121591AA	06/07/2012 14:55	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T121591AA	06/07/2012 14:55	Linda C Pape	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	12156WAB026	06/05/2012 16:24	Linda M Hartenstine	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	12156WAB026	06/04/2012 21:35	Karen L Beyer	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12158A07A	06/08/2012 00:09	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12158A07A	06/08/2012 00:09	Marie D John	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	121570024A	06/11/2012 15:29	Tracy A Cole	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	121570024A	06/06/2012 10:00	Cynthia J Salvatori	1
06035	Lead	SW-846 6020	1	121566050003A	06/08/2012 21:19	Parker D Lindstrom	1
06050	ICP/MS SW-846 Water Digest	SW-846 3020A	1	121566050003	06/04/2012 22:00	Annamaria Stipkovits	1

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Analysis Report

Sample Description: **GW-053012-TM-MW8 Grab Water**
Tidewater Seattle
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6674505
LLI Group # 1312979
Account # 13534

Project Name: Tidewater Seattle

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

Submitted: 06/01/2012 09:25
Reported: 06/13/2012 16:34

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

MLK08

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**	
10903	Acetone	67-64-1	N.D.	12	2
10903	Benzene	71-43-2	N.D.	1	2
10903	Bromobenzene	108-86-1	N.D.	2	2
10903	Bromochloromethane	74-97-5	N.D.	2	2
10903	Bromodichloromethane	75-27-4	N.D.	2	2
10903	Bromoform	75-25-2	N.D.	2	2
10903	Bromomethane	74-83-9	N.D.	2	2
10903	2-Butanone	78-93-3	9	6	2
10903	n-Butylbenzene	104-51-8	11	2	2
10903	sec-Butylbenzene	135-98-8	7	2	2
10903	tert-Butylbenzene	98-06-6	N.D.	2	2
10903	Carbon Disulfide	75-15-0	N.D.	2	2
10903	Carbon Tetrachloride	56-23-5	N.D.	2	2
10903	Chlorobenzene	108-90-7	N.D.	2	2
10903	Chloroethane	75-00-3	N.D.	2	2
10903	Chloroform	67-66-3	N.D.	2	2
10903	Chloromethane	74-87-3	N.D.	2	2
10903	2-Chlorotoluene	95-49-8	N.D.	2	2
10903	4-Chlorotoluene	106-43-4	N.D.	2	2
10903	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	4	2
10903	Dibromochloromethane	124-48-1	N.D.	2	2
10903	1,2-Dibromoethane	106-93-4	N.D.	2	2
10903	Dibromomethane	74-95-3	N.D.	2	2
10903	1,2-Dichlorobenzene	95-50-1	N.D.	2	2
10903	1,3-Dichlorobenzene	541-73-1	N.D.	2	2
10903	1,4-Dichlorobenzene	106-46-7	N.D.	2	2
10903	Dichlorodifluoromethane	75-71-8	N.D.	4	2
10903	1,1-Dichloroethane	75-34-3	N.D.	2	2
10903	1,2-Dichloroethane	107-06-2	N.D.	2	2
10903	1,1-Dichloroethene	75-35-4	N.D.	2	2
10903	cis-1,2-Dichloroethene	156-59-2	3	2	2
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	2	2
10903	1,2-Dichloropropane	78-87-5	N.D.	2	2
10903	1,3-Dichloropropane	142-28-9	N.D.	2	2
10903	2,2-Dichloropropane	594-20-7	N.D.	2	2
10903	1,1-Dichloropropene	563-58-6	N.D.	2	2
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	2	2
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	2	2
10903	Ethylbenzene	100-41-4	110	2	2
10903	Hexachlorobutadiene	87-68-3	N.D.	4	2
10903	2-Hexanone	591-78-6	N.D.	6	2
10903	Isopropylbenzene	98-82-8	28	2	2
10903	p-Isopropyltoluene	99-87-6	6	2	2
10903	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	1	2
10903	4-Methyl-2-pentanone	108-10-1	N.D.	6	2
10903	Methylene Chloride	75-09-2	N.D.	4	2
10903	Naphthalene	91-20-3	96	2	2
10903	n-Propylbenzene	103-65-1	59	2	2
10903	Styrene	100-42-5	N.D.	2	2
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	2	2

Sample Description: **GW-053012-TM-MW8 Grab Water**
Tidewater Seattle
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6674505
LLI Group # 1312979
Account # 13534

Project Name: Tidewater Seattle

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

Submitted: 06/01/2012 09:25
Reported: 06/13/2012 16:34

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

MLK08

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**	
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	2	2
10903	Tetrachloroethene	127-18-4	N.D.	2	2
10903	Toluene	108-88-3	N.D.	1	2
10903	1,2,3-Trichlorobenzene	87-61-6	N.D.	2	2
10903	1,2,4-Trichlorobenzene	120-82-1	N.D.	2	2
10903	1,1,1-Trichloroethane	71-55-6	N.D.	2	2
10903	1,1,2-Trichloroethane	79-00-5	N.D.	2	2
10903	Trichloroethene	79-01-6	N.D.	2	2
10903	Trichlorofluoromethane	75-69-4	N.D.	4	2
10903	1,2,3-Trichloropropane	96-18-4	N.D.	2	2
10903	1,2,4-Trimethylbenzene	95-63-6	1,100	20	20
10903	1,3,5-Trimethylbenzene	108-67-8	310	2	2
10903	Vinyl Chloride	75-01-4	N.D.	2	2
10903	m+p-Xylene	179601-23-1	1,000	2	2
10903	o-Xylene	95-47-6	270	2	2
10903	Xylene (Total)	1330-20-7	1,300	2	2
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	0.068	0.0097	1
08357	Acenaphthylene	208-96-8	N.D.	0.0097	1
08357	Anthracene	120-12-7	N.D.	0.0097	1
08357	Benzo(a)anthracene	56-55-3	N.D.	0.0097	1
08357	Benzo(a)pyrene	50-32-8	N.D.	0.0097	1
08357	Benzo(b)fluoranthene	205-99-2	N.D.	0.0097	1
08357	Benzo(g,h,i)perylene	191-24-2	N.D.	0.0097	1
08357	Benzo(k)fluoranthene	207-08-9	N.D.	0.0097	1
08357	Chrysene	218-01-9	N.D.	0.0097	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.0097	1
08357	Fluoranthene	206-44-0	N.D.	0.0097	1
08357	Fluorene	86-73-7	0.14	0.0097	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.0097	1
08357	Naphthalene	91-20-3	55	0.29	10
08357	Phenanthrene	85-01-8	0.051	0.029	1
08357	Pyrene	129-00-0	N.D.	0.0097	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	9,500	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.	700	29	1
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	68	1
Metals	**SW-846 6020**		**ug/l**	**ug/l**	
06035	Lead	7439-92-1	7.1	0.080	1

Sample Description: GW-053012-TM-MW8 Grab Water
Tidewater Seattle
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6674505
LLI Group # 1312979
Account # 13534

Project Name: Tidewater Seattle

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

Submitted: 06/01/2012 09:25
Reported: 06/13/2012 16:34

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

MLK08

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
10903	8260 CVX Solvent Cmpd List	SW-846 8260B	1	T121591AA	06/07/2012 17:19	Linda C Pape	2
10903	8260 CVX Solvent Cmpd List	SW-846 8260B	1	T121591AA	06/07/2012 17:43	Linda C Pape	20
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T121591AA	06/07/2012 17:19	Linda C Pape	2
01163	GC/MS VOA Water Prep	SW-846 5030B	2	T121591AA	06/07/2012 17:43	Linda C Pape	20
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	12156WAB026	06/05/2012 16:54	Linda M Hartenstine	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	12156WAB026	06/06/2012 01:22	Brian K Graham	10
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	12156WAB026	06/04/2012 21:35	Karen L Beyer	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12158A07A	06/08/2012 06:55	Marie D John	5
01146	GC VOA Water Prep	SW-846 5030B	1	12158A07A	06/08/2012 06:55	Marie D John	5
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	121570024A	06/11/2012 15:52	Tracy A Cole	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	121570024A	06/06/2012 10:00	Cynthia J Salvatori	1
06035	Lead	SW-846 6020	1	121566050003A	06/08/2012 21:21	Parker D Lindstrom	1
06050	ICP/MS SW-846 Water Digest	SW-846 3020A	1	121566050003	06/04/2012 22:00	Annamaria Stipkovits	1

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Analysis Report

Sample Description: **GW-053012-TM-MW8_FD Grab Water**
Tidewater Seattle
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6674506
LLI Group # 1312979
Account # 13534

Project Name: Tidewater Seattle

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

Submitted: 06/01/2012 09:25
Reported: 06/13/2012 16:34

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

MLK8D

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**	
10903	Acetone	67-64-1	N.D.	12	2
10903	Benzene	71-43-2	N.D.	1	2
10903	Bromobenzene	108-86-1	N.D.	2	2
10903	Bromochloromethane	74-97-5	N.D.	2	2
10903	Bromodichloromethane	75-27-4	N.D.	2	2
10903	Bromoform	75-25-2	N.D.	2	2
10903	Bromomethane	74-83-9	N.D.	2	2
10903	2-Butanone	78-93-3	N.D.	6	2
10903	n-Butylbenzene	104-51-8	11	2	2
10903	sec-Butylbenzene	135-98-8	7	2	2
10903	tert-Butylbenzene	98-06-6	N.D.	2	2
10903	Carbon Disulfide	75-15-0	N.D.	2	2
10903	Carbon Tetrachloride	56-23-5	N.D.	2	2
10903	Chlorobenzene	108-90-7	N.D.	2	2
10903	Chloroethane	75-00-3	N.D.	2	2
10903	Chloroform	67-66-3	N.D.	2	2
10903	Chloromethane	74-87-3	N.D.	2	2
10903	2-Chlorotoluene	95-49-8	N.D.	2	2
10903	4-Chlorotoluene	106-43-4	N.D.	2	2
10903	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	4	2
10903	Dibromochloromethane	124-48-1	N.D.	2	2
10903	1,2-Dibromoethane	106-93-4	N.D.	2	2
10903	Dibromomethane	74-95-3	N.D.	2	2
10903	1,2-Dichlorobenzene	95-50-1	N.D.	2	2
10903	1,3-Dichlorobenzene	541-73-1	N.D.	2	2
10903	1,4-Dichlorobenzene	106-46-7	N.D.	2	2
10903	Dichlorodifluoromethane	75-71-8	N.D.	4	2
10903	1,1-Dichloroethane	75-34-3	N.D.	2	2
10903	1,2-Dichloroethane	107-06-2	N.D.	2	2
10903	1,1-Dichloroethene	75-35-4	N.D.	2	2
10903	cis-1,2-Dichloroethene	156-59-2	3	2	2
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	2	2
10903	1,2-Dichloropropane	78-87-5	N.D.	2	2
10903	1,3-Dichloropropane	142-28-9	N.D.	2	2
10903	2,2-Dichloropropane	594-20-7	N.D.	2	2
10903	1,1-Dichloropropene	563-58-6	N.D.	2	2
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	2	2
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	2	2
10903	Ethylbenzene	100-41-4	110	2	2
10903	Hexachlorobutadiene	87-68-3	N.D.	4	2
10903	2-Hexanone	591-78-6	N.D.	6	2
10903	Isopropylbenzene	98-82-8	27	2	2
10903	p-Isopropyltoluene	99-87-6	6	2	2
10903	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	1	2
10903	4-Methyl-2-pentanone	108-10-1	N.D.	6	2
10903	Methylene Chloride	75-09-2	N.D.	4	2
10903	Naphthalene	91-20-3	93	2	2
10903	n-Propylbenzene	103-65-1	58	2	2
10903	Styrene	100-42-5	N.D.	2	2
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	2	2

Sample Description: **GW-053012-TM-MW8_FD Grab Water**
Tidewater Seattle
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6674506
LLI Group # 1312979
Account # 13534

Project Name: Tidewater Seattle

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

Submitted: 06/01/2012 09:25
Reported: 06/13/2012 16:34

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

MLK8D

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**	
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	2	2
10903	Tetrachloroethene	127-18-4	N.D.	2	2
10903	Toluene	108-88-3	N.D.	1	2
10903	1,2,3-Trichlorobenzene	87-61-6	N.D.	2	2
10903	1,2,4-Trichlorobenzene	120-82-1	N.D.	2	2
10903	1,1,1-Trichloroethane	71-55-6	N.D.	2	2
10903	1,1,2-Trichloroethane	79-00-5	N.D.	2	2
10903	Trichloroethene	79-01-6	N.D.	2	2
10903	Trichlorofluoromethane	75-69-4	N.D.	4	2
10903	1,2,3-Trichloropropane	96-18-4	N.D.	2	2
10903	1,2,4-Trimethylbenzene	95-63-6	1,300	20	20
10903	1,3,5-Trimethylbenzene	108-67-8	340	2	2
10903	Vinyl Chloride	75-01-4	N.D.	2	2
10903	m+p-Xylene	179601-23-1	1,000	2	2
10903	o-Xylene	95-47-6	270	2	2
10903	Xylene (Total)	1330-20-7	1,300	2	2
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	0.080	0.0096	1
08357	Acenaphthylene	208-96-8	N.D.	0.0096	1
08357	Anthracene	120-12-7	N.D.	0.0096	1
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(g,h,i)perylene	191-24-2	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	Fluoranthene	206-44-0	N.D.	0.0096	1
08357	Fluorene	86-73-7	0.18	0.0096	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.0096	1
08357	Naphthalene	91-20-3	68	0.29	10
08357	Phenanthrene	85-01-8	0.068	0.029	1
08357	Pyrene	129-00-0	N.D.	0.0096	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	10,000	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.	450	28	1
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	1
Metals	**SW-846 6020**		**ug/l**	**ug/l**	
06035	Lead	7439-92-1	5.3	0.080	1

Sample Description: GW-053012-TM-MW8_FD Grab Water
Tidewater Seattle
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6674506
LLI Group # 1312979
Account # 13534

Project Name: Tidewater Seattle

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

Submitted: 06/01/2012 09:25
Reported: 06/13/2012 16:34

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

MLK8D

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
10903	8260 CVX Solvent Cmpd List	SW-846 8260B	1	T121591AA	06/07/2012 18:07	Linda C Pape	2
10903	8260 CVX Solvent Cmpd List	SW-846 8260B	1	T121591AA	06/07/2012 18:30	Linda C Pape	20
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T121591AA	06/07/2012 18:07	Linda C Pape	2
01163	GC/MS VOA Water Prep	SW-846 5030B	2	T121591AA	06/07/2012 18:30	Linda C Pape	20
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	12156WAB026	06/05/2012 17:56	Linda M Hartenstine	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	12156WAB026	06/06/2012 01:52	Brian K Graham	10
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	12156WAB026	06/04/2012 21:35	Karen L Beyer	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12158A07A	06/08/2012 07:21	Marie D John	5
01146	GC VOA Water Prep	SW-846 5030B	1	12158A07A	06/08/2012 07:21	Marie D John	5
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	121570024A	06/11/2012 16:14	Tracy A Cole	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	121570024A	06/06/2012 10:00	Cynthia J Salvatori	1
06035	Lead	SW-846 6020	1	121566050003A	06/08/2012 21:26	Parker D Lindstrom	1
06050	ICP/MS SW-846 Water Digest	SW-846 3020A	1	121566050003	06/04/2012 22:00	Annamaria Stipkovits	1

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Analysis Report

Sample Description: **GW-053012-NH-MW3 Grab Water**
Tidewater Seattle
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6674507
LLI Group # 1312979
Account # 13534

Project Name: Tidewater Seattle

Collected: 05/30/2012 15:30 by NH

Submitted: 06/01/2012 09:25
Reported: 06/13/2012 16:34

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

MLK03

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**	
10903	Acetone	67-64-1	N.D.	12	2
10903	Benzene	71-43-2	N.D.	1	2
10903	Bromobenzene	108-86-1	N.D.	2	2
10903	Bromochloromethane	74-97-5	N.D.	2	2
10903	Bromodichloromethane	75-27-4	N.D.	2	2
10903	Bromoform	75-25-2	N.D.	2	2
10903	Bromomethane	74-83-9	N.D.	2	2
10903	2-Butanone	78-93-3	N.D.	6	2
10903	n-Butylbenzene	104-51-8	8	2	2
10903	sec-Butylbenzene	135-98-8	7	2	2
10903	tert-Butylbenzene	98-06-6	N.D.	2	2
10903	Carbon Disulfide	75-15-0	N.D.	2	2
10903	Carbon Tetrachloride	56-23-5	N.D.	2	2
10903	Chlorobenzene	108-90-7	N.D.	2	2
10903	Chloroethane	75-00-3	N.D.	2	2
10903	Chloroform	67-66-3	N.D.	2	2
10903	Chloromethane	74-87-3	N.D.	2	2
10903	2-Chlorotoluene	95-49-8	N.D.	2	2
10903	4-Chlorotoluene	106-43-4	N.D.	2	2
10903	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	4	2
10903	Dibromochloromethane	124-48-1	N.D.	2	2
10903	1,2-Dibromoethane	106-93-4	N.D.	2	2
10903	Dibromomethane	74-95-3	N.D.	2	2
10903	1,2-Dichlorobenzene	95-50-1	N.D.	2	2
10903	1,3-Dichlorobenzene	541-73-1	N.D.	2	2
10903	1,4-Dichlorobenzene	106-46-7	N.D.	2	2
10903	Dichlorodifluoromethane	75-71-8	N.D.	4	2
10903	1,1-Dichloroethane	75-34-3	N.D.	2	2
10903	1,2-Dichloroethane	107-06-2	N.D.	2	2
10903	1,1-Dichloroethene	75-35-4	N.D.	2	2
10903	cis-1,2-Dichloroethene	156-59-2	6	2	2
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	2	2
10903	1,2-Dichloropropane	78-87-5	N.D.	2	2
10903	1,3-Dichloropropane	142-28-9	N.D.	2	2
10903	2,2-Dichloropropane	594-20-7	N.D.	2	2
10903	1,1-Dichloropropene	563-58-6	N.D.	2	2
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	2	2
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	2	2
10903	Ethylbenzene	100-41-4	160	2	2
10903	Hexachlorobutadiene	87-68-3	N.D.	4	2
10903	2-Hexanone	591-78-6	N.D.	6	2
10903	Isopropylbenzene	98-82-8	38	2	2
10903	p-Isopropyltoluene	99-87-6	3	2	2
10903	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	1	2
10903	4-Methyl-2-pentanone	108-10-1	N.D.	6	2
10903	Methylene Chloride	75-09-2	N.D.	4	2
10903	Naphthalene	91-20-3	66	2	2
10903	n-Propylbenzene	103-65-1	100	2	2
10903	Styrene	100-42-5	N.D.	2	2
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	2	2

Sample Description: **GW-053012-NH-MW3 Grab Water**
Tidewater Seattle
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6674507
LLI Group # 1312979
Account # 13534

Project Name: Tidewater Seattle

Collected: 05/30/2012 15:30 by NH

Submitted: 06/01/2012 09:25
Reported: 06/13/2012 16:34

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

MLK03

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**	
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	2	2
10903	Tetrachloroethene	127-18-4	N.D.	2	2
10903	Toluene	108-88-3	N.D.	1	2
10903	1,2,3-Trichlorobenzene	87-61-6	N.D.	2	2
10903	1,2,4-Trichlorobenzene	120-82-1	N.D.	2	2
10903	1,1,1-Trichloroethane	71-55-6	N.D.	2	2
10903	1,1,2-Trichloroethane	79-00-5	N.D.	2	2
10903	Trichloroethene	79-01-6	N.D.	2	2
10903	Trichlorofluoromethane	75-69-4	N.D.	4	2
10903	1,2,3-Trichloropropane	96-18-4	N.D.	2	2
10903	1,2,4-Trimethylbenzene	95-63-6	1,100	20	20
10903	1,3,5-Trimethylbenzene	108-67-8	220	2	2
10903	Vinyl Chloride	75-01-4	N.D.	2	2
10903	m+p-Xylene	179601-23-1	600	2	2
10903	o-Xylene	95-47-6	58	2	2
10903	Xylene (Total)	1330-20-7	660	2	2
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	N.D.	0.0096	1
08357	Acenaphthylene	208-96-8	N.D.	0.0096	1
08357	Anthracene	120-12-7	0.061	0.0096	1
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(g,h,i)perylene	191-24-2	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	Fluoranthene	206-44-0	N.D.	0.0096	1
08357	Fluorene	86-73-7	0.083	0.0096	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.0096	1
08357	Naphthalene	91-20-3	63	0.29	10
08357	Phenanthrene	85-01-8	N.D.	0.029	1
08357	Pyrene	129-00-0	N.D.	0.0096	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	7,400	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.	520	28	1
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	1
Metals	**SW-846 6020**		**ug/l**	**ug/l**	
06035	Lead	7439-92-1	1.1	0.080	1

Sample Description: GW-053012-NH-MW3 Grab Water
Tidewater Seattle
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6674507
LLI Group # 1312979
Account # 13534

Project Name: Tidewater Seattle

Collected: 05/30/2012 15:30 by NH

Submitted: 06/01/2012 09:25
Reported: 06/13/2012 16:34

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

MLK03

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
10903	8260 CVX Solvent Cmpd List	SW-846 8260B	1	T121591AA	06/07/2012 18:54	Linda C Pape	2
10903	8260 CVX Solvent Cmpd List	SW-846 8260B	1	T121591AA	06/07/2012 19:18	Linda C Pape	20
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T121591AA	06/07/2012 18:54	Linda C Pape	2
01163	GC/MS VOA Water Prep	SW-846 5030B	2	T121591AA	06/07/2012 19:18	Linda C Pape	20
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	12156WAB026	06/05/2012 18:26	Linda M Hartenstine	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	12156WAB026	06/06/2012 02:23	Brian K Graham	10
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	12156WAB026	06/04/2012 21:35	Karen L Beyer	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12158A07A	06/08/2012 10:02	Marie D John	5
01146	GC VOA Water Prep	SW-846 5030B	1	12158A07A	06/08/2012 10:02	Marie D John	5
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	121570024A	06/11/2012 16:37	Tracy A Cole	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	121570024A	06/06/2012 10:00	Cynthia J Salvatori	1
06035	Lead	SW-846 6020	1	121566050003A	06/08/2012 21:28	Parker D Lindstrom	1
06050	ICP/MS SW-846 Water Digest	SW-846 3020A	1	121566050003	06/04/2012 22:00	Annamaria Stipkovits	1

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Analysis Report

Sample Description: **GW-053012-TM-MW2 Grab Water**
Tidewater Seattle
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6674508
LLI Group # 1312979
Account # 13534

Project Name: Tidewater Seattle

Collected: 05/30/2012 17:10 by NH

Submitted: 06/01/2012 09:25
Reported: 06/13/2012 16:34

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

MLK02

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**	
10903	Acetone	67-64-1	N.D.	6	1
10903	Benzene	71-43-2	0.8	0.5	1
10903	Bromobenzene	108-86-1	N.D.	1	1
10903	Bromochloromethane	74-97-5	N.D.	1	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	2-Butanone	78-93-3	N.D.	3	1
10903	n-Butylbenzene	104-51-8	3	1	1
10903	sec-Butylbenzene	135-98-8	4	1	1
10903	tert-Butylbenzene	98-06-6	N.D.	1	1
10903	Carbon Disulfide	75-15-0	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	2-Chlorotoluene	95-49-8	N.D.	1	1
10903	4-Chlorotoluene	106-43-4	N.D.	1	1
10903	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,2-Dibromoethane	106-93-4	N.D.	1	1
10903	Dibromomethane	74-95-3	N.D.	1	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	1,3-Dichloropropane	142-28-9	N.D.	1	1
10903	2,2-Dichloropropane	594-20-7	N.D.	1	1
10903	1,1-Dichloropropene	563-58-6	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Hexachlorobutadiene	87-68-3	N.D.	2	1
10903	2-Hexanone	591-78-6	N.D.	3	1
10903	Isopropylbenzene	98-82-8	21	1	1
10903	p-Isopropyltoluene	99-87-6	N.D.	1	1
10903	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10903	4-Methyl-2-pentanone	108-10-1	N.D.	3	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	Naphthalene	91-20-3	N.D.	1	1
10903	n-Propylbenzene	103-65-1	47	1	1
10903	Styrene	100-42-5	N.D.	1	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1	1

Sample Description: **GW-053012-TM-MW2 Grab Water**
Tidewater Seattle
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6674508
LLI Group # 1312979
Account # 13534

Project Name: Tidewater Seattle

Collected: 05/30/2012 17:10 by NH

Submitted: 06/01/2012 09:25
Reported: 06/13/2012 16:34

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

MLK02

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**	
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,2,3-Trichlorobenzene	87-61-6	N.D.	1	1
10903	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	N.D.	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1	1
10903	1,2,4-Trimethylbenzene	95-63-6	N.D.	1	1
10903	1,3,5-Trimethylbenzene	108-67-8	N.D.	1	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	m+p-Xylene	179601-23-1	N.D.	0.8	1
10903	o-Xylene	95-47-6	N.D.	0.8	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	0.32	0.0095	1
08357	Acenaphthylene	208-96-8	N.D.	0.0095	1
08357	Anthracene	120-12-7	N.D.	0.0095	1
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(g,h,i)perylene	191-24-2	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	Fluoranthene	206-44-0	0.026	0.0095	1
08357	Fluorene	86-73-7	0.25	0.0095	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.0095	1
08357	Naphthalene	91-20-3	N.D.	0.028	1
08357	Phenanthrene	85-01-8	0.20	0.028	1
08357	Pyrene	129-00-0	N.D.	0.0095	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	480	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.	210	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	3.8	0.080	1

Sample Description: GW-053012-TM-MW2 Grab Water
Tidewater Seattle
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6674508
LLI Group # 1312979
Account # 13534

Project Name: Tidewater Seattle

Collected: 05/30/2012 17:10 by NH

Submitted: 06/01/2012 09:25
Reported: 06/13/2012 16:34

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

MLK02

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
10903	8260 CVX Solvent Cmpd List	SW-846 8260B	1	T121591AA	06/07/2012 15:20	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T121591AA	06/07/2012 15:20	Linda C Pape	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	12156WAB026	06/05/2012 18:57	Linda M Hartenstine	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	12156WAB026	06/04/2012 21:35	Karen L Beyer	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12158A07A	06/08/2012 09:11	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12158A07A	06/08/2012 09:11	Marie D John	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	121570024A	06/11/2012 17:00	Tracy A Cole	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	121570024A	06/06/2012 10:00	Cynthia J Salvatori	1
06035	Lead	SW-846 6020	1	121566050003A	06/08/2012 21:30	Parker D Lindstrom	1
06050	ICP/MS SW-846 Water Digest	SW-846 3020A	1	121566050003	06/04/2012 22:00	Annamaria Stipkovits	1

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Analysis Report

Sample Description: **GW-053012-NH-MW5 Grab Water**
Tidewater Seattle
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6674509
LLI Group # 1312979
Account # 13534

Project Name: Tidewater Seattle

Collected: 05/30/2012 17:00 by NH

Submitted: 06/01/2012 09:25
Reported: 06/13/2012 16:34

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

MLK05

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**	
10903	Acetone	67-64-1	N.D.	6	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromobenzene	108-86-1	N.D.	1	1
10903	Bromochloromethane	74-97-5	N.D.	1	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	2-Butanone	78-93-3	N.D.	3	1
10903	n-Butylbenzene	104-51-8	2	1	1
10903	sec-Butylbenzene	135-98-8	2	1	1
10903	tert-Butylbenzene	98-06-6	N.D.	1	1
10903	Carbon Disulfide	75-15-0	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	2-Chlorotoluene	95-49-8	N.D.	1	1
10903	4-Chlorotoluene	106-43-4	N.D.	1	1
10903	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,2-Dibromoethane	106-93-4	N.D.	1	1
10903	Dibromomethane	74-95-3	N.D.	1	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	1,3-Dichloropropane	142-28-9	N.D.	1	1
10903	2,2-Dichloropropane	594-20-7	N.D.	1	1
10903	1,1-Dichloropropene	563-58-6	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	3	0.8	1
10903	Hexachlorobutadiene	87-68-3	N.D.	2	1
10903	2-Hexanone	591-78-6	N.D.	3	1
10903	Isopropylbenzene	98-82-8	9	1	1
10903	p-Isopropyltoluene	99-87-6	N.D.	1	1
10903	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10903	4-Methyl-2-pentanone	108-10-1	N.D.	3	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	Naphthalene	91-20-3	12	1	1
10903	n-Propylbenzene	103-65-1	24	1	1
10903	Styrene	100-42-5	N.D.	1	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1	1

Sample Description: **GW-053012-NH-MW5 Grab Water**
Tidewater Seattle
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6674509
LLI Group # 1312979
Account # 13534

Project Name: Tidewater Seattle

Collected: 05/30/2012 17:00 by NH

Submitted: 06/01/2012 09:25
Reported: 06/13/2012 16:34

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

MLK05

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**	
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,2,3-Trichlorobenzene	87-61-6	N.D.	1	1
10903	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	N.D.	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1	1
10903	1,2,4-Trimethylbenzene	95-63-6	4	1	1
10903	1,3,5-Trimethylbenzene	108-67-8	N.D.	1	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	m+p-Xylene	179601-23-1	6	0.8	1
10903	o-Xylene	95-47-6	1	0.8	1
10903	Xylene (Total)	1330-20-7	7	0.8	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	0.13	0.0096	1
08357	Acenaphthylene	208-96-8	N.D.	0.0096	1
08357	Anthracene	120-12-7	0.024	0.0096	1
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(g,h,i)perylene	191-24-2	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	Fluoranthene	206-44-0	0.036	0.0096	1
08357	Fluorene	86-73-7	0.12	0.0096	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.0096	1
08357	Naphthalene	91-20-3	7.4	0.029	1
08357	Phenanthrene	85-01-8	0.097	0.029	1
08357	Pyrene	129-00-0	N.D.	0.0096	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	260	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.	54	28	1
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	1
Metals	**SW-846 6020**		**ug/l**	**ug/l**	
06035	Lead	7439-92-1	0.48	0.080	1

Sample Description: GW-053012-NH-MW5 Grab Water
Tidewater Seattle
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6674509
LLI Group # 1312979
Account # 13534

Project Name: Tidewater Seattle

Collected: 05/30/2012 17:00 by NH

Submitted: 06/01/2012 09:25
Reported: 06/13/2012 16:34

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

MLK05

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
10903	8260 CVX Solvent Cmpd List	SW-846 8260B	1	T121591AA	06/07/2012 15:43	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T121591AA	06/07/2012 15:43	Linda C Pape	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	12156WAB026	06/05/2012 19:28	Linda M Hartenstine	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	12156WAB026	06/04/2012 21:35	Karen L Beyer	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12158A07A	06/08/2012 01:25	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12158A07A	06/08/2012 01:25	Marie D John	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	121570024A	06/11/2012 17:23	Tracy A Cole	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	121570024A	06/06/2012 10:00	Cynthia J Salvatori	1
06035	Lead	SW-846 6020	1	121566050003A	06/08/2012 21:32	Parker D Lindstrom	1
06050	ICP/MS SW-846 Water Digest	SW-846 3020A	1	121566050003	06/04/2012 22:00	Annamaria Stipkovits	1

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Analysis Report

Sample Description: **GW-053012-TM-MW9 Grab Water**
Tidewater Seattle
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6674510
LLI Group # 1312979
Account # 13534

Project Name: Tidewater Seattle

Collected: 05/30/2012 15:35 by NH

Submitted: 06/01/2012 09:25
Reported: 06/13/2012 16:34

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

MLK09

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**	
10903	Acetone	67-64-1	N.D.	6	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromobenzene	108-86-1	N.D.	1	1
10903	Bromochloromethane	74-97-5	N.D.	1	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	2-Butanone	78-93-3	N.D.	3	1
10903	n-Butylbenzene	104-51-8	N.D.	1	1
10903	sec-Butylbenzene	135-98-8	N.D.	1	1
10903	tert-Butylbenzene	98-06-6	N.D.	1	1
10903	Carbon Disulfide	75-15-0	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	2-Chlorotoluene	95-49-8	N.D.	1	1
10903	4-Chlorotoluene	106-43-4	N.D.	1	1
10903	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,2-Dibromoethane	106-93-4	N.D.	1	1
10903	Dibromomethane	74-95-3	N.D.	1	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	120	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	0.8	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	1,3-Dichloropropane	142-28-9	N.D.	1	1
10903	2,2-Dichloropropane	594-20-7	N.D.	1	1
10903	1,1-Dichloropropene	563-58-6	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Hexachlorobutadiene	87-68-3	N.D.	2	1
10903	2-Hexanone	591-78-6	N.D.	3	1
10903	Isopropylbenzene	98-82-8	N.D.	1	1
10903	p-Isopropyltoluene	99-87-6	N.D.	1	1
10903	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10903	4-Methyl-2-pentanone	108-10-1	N.D.	3	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	Naphthalene	91-20-3	N.D.	1	1
10903	n-Propylbenzene	103-65-1	N.D.	1	1
10903	Styrene	100-42-5	N.D.	1	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1	1

Sample Description: GW-053012-TM-MW9 Grab Water
Tidewater Seattle
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6674510
LLI Group # 1312979
Account # 13534

Project Name: Tidewater Seattle

Collected: 05/30/2012 15:35 by NH

Submitted: 06/01/2012 09:25
Reported: 06/13/2012 16:34

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

MLK09

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**	
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	120	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,2,3-Trichlorobenzene	87-61-6	N.D.	1	1
10903	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	130	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1	1
10903	1,2,4-Trimethylbenzene	95-63-6	N.D.	1	1
10903	1,3,5-Trimethylbenzene	108-67-8	N.D.	1	1
10903	Vinyl Chloride	75-01-4	9	1	1
10903	m+p-Xylene	179601-23-1	N.D.	0.8	1
10903	o-Xylene	95-47-6	N.D.	0.8	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	N.D.	0.0096	1
08357	Acenaphthylene	208-96-8	N.D.	0.0096	1
08357	Anthracene	120-12-7	N.D.	0.0096	1
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(g,h,i)perylene	191-24-2	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	Fluoranthene	206-44-0	N.D.	0.0096	1
08357	Fluorene	86-73-7	0.012	0.0096	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.0096	1
08357	Naphthalene	91-20-3	N.D.	0.029	1
08357	Phenanthrene	85-01-8	N.D.	0.029	1
08357	Pyrene	129-00-0	N.D.	0.0096	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	66	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	0.31	0.080	1

Sample Description: GW-053012-TM-MW9 Grab Water
Tidewater Seattle
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6674510
LLI Group # 1312979
Account # 13534

Project Name: Tidewater Seattle

Collected: 05/30/2012 15:35 by NH

Submitted: 06/01/2012 09:25
Reported: 06/13/2012 16:34

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

MLK09

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
10903	8260 CVX Solvent Cmpd List	SW-846 8260B	1	T121591AA	06/07/2012 16:07	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T121591AA	06/07/2012 16:07	Linda C Pape	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	12156WAB026	06/05/2012 19:58	Linda M Hartenstine	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	12156WAB026	06/04/2012 21:35	Karen L Beyer	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12158A07A	06/08/2012 02:16	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12158A07A	06/08/2012 02:16	Marie D John	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	121570024A	06/11/2012 17:45	Tracy A Cole	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	121570024A	06/06/2012 10:00	Cynthia J Salvatori	1
06035	Lead	SW-846 6020	1	121566050003A	06/08/2012 21:33	Parker D Lindstrom	1
06050	ICP/MS SW-846 Water Digest	SW-846 3020A	1	121566050003	06/04/2012 22:00	Annamaria Stipkovits	1

Sample Description: **GW-053112-NH-MW10 Grab Water**
Tidewater Seattle
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6674511
LLI Group # 1312979
Account # 13534

Project Name: Tidewater Seattle

Collected: 05/31/2012 10:00 by NH

Submitted: 06/01/2012 09:25
Reported: 06/13/2012 16:34

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

MLK10

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**	
10903	Acetone	67-64-1	N.D.	6	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromobenzene	108-86-1	N.D.	1	1
10903	Bromochloromethane	74-97-5	N.D.	1	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	2-Butanone	78-93-3	N.D.	3	1
10903	n-Butylbenzene	104-51-8	N.D.	1	1
10903	sec-Butylbenzene	135-98-8	N.D.	1	1
10903	tert-Butylbenzene	98-06-6	N.D.	1	1
10903	Carbon Disulfide	75-15-0	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	2-Chlorotoluene	95-49-8	N.D.	1	1
10903	4-Chlorotoluene	106-43-4	N.D.	1	1
10903	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,2-Dibromoethane	106-93-4	N.D.	1	1
10903	Dibromomethane	74-95-3	N.D.	1	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	12	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	1,3-Dichloropropane	142-28-9	N.D.	1	1
10903	2,2-Dichloropropane	594-20-7	N.D.	1	1
10903	1,1-Dichloropropene	563-58-6	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Hexachlorobutadiene	87-68-3	N.D.	2	1
10903	2-Hexanone	591-78-6	N.D.	3	1
10903	Isopropylbenzene	98-82-8	N.D.	1	1
10903	p-Isopropyltoluene	99-87-6	N.D.	1	1
10903	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10903	4-Methyl-2-pentanone	108-10-1	N.D.	3	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	Naphthalene	91-20-3	N.D.	1	1
10903	n-Propylbenzene	103-65-1	N.D.	1	1
10903	Styrene	100-42-5	N.D.	1	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1	1

Sample Description: GW-053112-NH-MW10 Grab Water
Tidewater Seattle
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6674511
LLI Group # 1312979
Account # 13534

Project Name: Tidewater Seattle

Collected: 05/31/2012 10:00 by NH

Submitted: 06/01/2012 09:25
Reported: 06/13/2012 16:34

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

MLK10

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**	
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,2,3-Trichlorobenzene	87-61-6	N.D.	1	1
10903	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	N.D.	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1	1
10903	1,2,4-Trimethylbenzene	95-63-6	N.D.	1	1
10903	1,3,5-Trimethylbenzene	108-67-8	N.D.	1	1
10903	Vinyl Chloride	75-01-4	35	1	1
10903	m+p-Xylene	179601-23-1	N.D.	0.8	1
10903	o-Xylene	95-47-6	N.D.	0.8	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	N.D.	0.0096	1
08357	Acenaphthylene	208-96-8	N.D.	0.0096	1
08357	Anthracene	120-12-7	N.D.	0.0096	1
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(g,h,i)perylene	191-24-2	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	Fluoranthene	206-44-0	0.013	0.0096	1
08357	Fluorene	86-73-7	0.013	0.0096	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	0.0096	1
08357	Naphthalene	91-20-3	N.D.	0.029	1
08357	Phenanthrene	85-01-8	N.D.	0.029	1
08357	Pyrene	129-00-0	0.016	0.0096	1
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.	74	28	1
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	1
Metals	**SW-846 6020**		**ug/l**	**ug/l**	
06035	Lead	7439-92-1	0.46	0.080	1

Sample Description: GW-053112-NH-MW10 Grab Water
Tidewater Seattle
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6674511
LLI Group # 1312979
Account # 13534

Project Name: Tidewater Seattle

Collected: 05/31/2012 10:00 by NH

Submitted: 06/01/2012 09:25
Reported: 06/13/2012 16:34

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

MLK10

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
10903	8260 CVX Solvent Cmpd List	SW-846 8260B	1	T121591AA	06/07/2012 13:19	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T121591AA	06/07/2012 13:19	Linda C Pape	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	12156WAB026	06/05/2012 13:20	Linda M Hartenstine	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	12156WAB026	06/04/2012 21:35	Karen L Beyer	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12158A07A	06/08/2012 05:39	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12158A07A	06/08/2012 05:39	Marie D John	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	121570024A	06/11/2012 18:08	Tracy A Cole	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	121570024A	06/06/2012 10:00	Cynthia J Salvatori	1
06035	Lead	SW-846 6020	1	121566050003A	06/08/2012 20:47	Parker D Lindstrom	1
06050	ICP/MS SW-846 Water Digest	SW-846 3020A	1	121566050003	06/04/2012 22:00	Annamaria Stipkovits	1

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Analysis Report

Sample Description: **GW-053112-NH-MW10 MS Grab Water**
Tidewater Seattle
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6674512
LLI Group # 1312979
Account # 13534

Project Name: Tidewater Seattle

Collected: 05/31/2012 10:00 by NH

Submitted: 06/01/2012 09:25
Reported: 06/13/2012 16:34

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

MLK10

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**	
10903	Acetone	67-64-1	150	6	1
10903	Benzene	71-43-2	22	0.5	1
10903	Bromobenzene	108-86-1	20	1	1
10903	Bromochloromethane	74-97-5	20	1	1
10903	Bromodichloromethane	75-27-4	22	1	1
10903	Bromoform	75-25-2	19	1	1
10903	Bromomethane	74-83-9	19	1	1
10903	2-Butanone	78-93-3	140	3	1
10903	n-Butylbenzene	104-51-8	23	1	1
10903	sec-Butylbenzene	135-98-8	23	1	1
10903	tert-Butylbenzene	98-06-6	20	1	1
10903	Carbon Disulfide	75-15-0	23	1	1
10903	Carbon Tetrachloride	56-23-5	26	1	1
10903	Chlorobenzene	108-90-7	22	0.8	1
10903	Chloroethane	75-00-3	20	1	1
10903	Chloroform	67-66-3	23	0.8	1
10903	Chloromethane	74-87-3	19	1	1
10903	2-Chlorotoluene	95-49-8	21	1	1
10903	4-Chlorotoluene	106-43-4	21	1	1
10903	1,2-Dibromo-3-chloropropane	96-12-8	19	2	1
10903	Dibromochloromethane	124-48-1	21	1	1
10903	1,2-Dibromoethane	106-93-4	21	1	1
10903	Dibromomethane	74-95-3	22	1	1
10903	1,2-Dichlorobenzene	95-50-1	21	1	1
10903	1,3-Dichlorobenzene	541-73-1	21	1	1
10903	1,4-Dichlorobenzene	106-46-7	21	1	1
10903	Dichlorodifluoromethane	75-71-8	15	2	1
10903	1,1-Dichloroethane	75-34-3	23	1	1
10903	1,2-Dichloroethane	107-06-2	24	1	1
10903	1,1-Dichloroethene	75-35-4	23	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	34	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	23	0.8	1
10903	1,2-Dichloropropane	78-87-5	22	1	1
10903	1,3-Dichloropropane	142-28-9	21	1	1
10903	2,2-Dichloropropane	594-20-7	26	1	1
10903	1,1-Dichloropropene	563-58-6	24	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	22	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	22	1	1
10903	Ethylbenzene	100-41-4	22	0.8	1
10903	Hexachlorobutadiene	87-68-3	21	2	1
10903	2-Hexanone	591-78-6	86	3	1
10903	Isopropylbenzene	98-82-8	23	1	1
10903	p-Isopropyltoluene	99-87-6	23	1	1
10903	Methyl Tertiary Butyl Ether	1634-04-4	21	0.5	1
10903	4-Methyl-2-pentanone	108-10-1	89	3	1
10903	Methylene Chloride	75-09-2	21	2	1
10903	Naphthalene	91-20-3	19	1	1
10903	n-Propylbenzene	103-65-1	23	1	1
10903	Styrene	100-42-5	22	1	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	23	1	1

Sample Description: **GW-053112-NH-MW10 MS Grab Water**
Tidewater Seattle
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6674512
LLI Group # 1312979
Account # 13534

Project Name: Tidewater Seattle

Collected: 05/31/2012 10:00 by NH

Submitted: 06/01/2012 09:25
Reported: 06/13/2012 16:34

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

MLK10

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**	
10903	1,1,2,2-Tetrachloroethane	79-34-5	19	1	1
10903	Tetrachloroethene	127-18-4	23	0.8	1
10903	Toluene	108-88-3	22	0.7	1
10903	1,2,3-Trichlorobenzene	87-61-6	19	1	1
10903	1,2,4-Trichlorobenzene	120-82-1	20	1	1
10903	1,1,1-Trichloroethane	71-55-6	26	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	21	0.8	1
10903	Trichloroethene	79-01-6	23	1	1
10903	Trichlorofluoromethane	75-69-4	27	2	1
10903	1,2,3-Trichloropropane	96-18-4	20	1	1
10903	1,2,4-Trimethylbenzene	95-63-6	23	1	1
10903	1,3,5-Trimethylbenzene	108-67-8	22	1	1
10903	Vinyl Chloride	75-01-4	53	1	1
10903	m+p-Xylene	179601-23-1	45	0.8	1
10903	o-Xylene	95-47-6	22	0.8	1
10903	Xylene (Total)	1330-20-7	66	0.8	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	0.94	0.0095	1
08357	Acenaphthylene	208-96-8	0.79	0.0095	1
08357	Anthracene	120-12-7	0.99	0.0095	1
08357	Benzo(a)anthracene	56-55-3	0.89	0.0095	1
08357	Benzo(a)pyrene	50-32-8	0.88	0.0095	1
08357	Benzo(b)fluoranthene	205-99-2	0.96	0.0095	1
08357	Benzo(g,h,i)perylene	191-24-2	0.81	0.0095	1
08357	Benzo(k)fluoranthene	207-08-9	0.86	0.0095	1
08357	Chrysene	218-01-9	0.90	0.0095	1
08357	Dibenz(a,h)anthracene	53-70-3	0.76	0.0095	1
08357	Fluoranthene	206-44-0	1.0	0.0095	1
08357	Fluorene	86-73-7	0.86	0.0095	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	0.75	0.0095	1
08357	Naphthalene	91-20-3	0.92	0.029	1
08357	Phenanthrene	85-01-8	0.97	0.029	1
08357	Pyrene	129-00-0	0.89	0.0095	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	1,000	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.	1,500	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	16.6	0.080	1

Sample Description: GW-053112-NH-MW10 MS Grab Water
Tidewater Seattle
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6674512
LLI Group # 1312979
Account # 13534

Project Name: Tidewater Seattle

Collected: 05/31/2012 10:00 by NH

Submitted: 06/01/2012 09:25
Reported: 06/13/2012 16:34

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

MLK10

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
10903	8260 CVX Solvent Cmpd List	SW-846 8260B	1	T121591AA	06/07/2012 13:43	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T121591AA	06/07/2012 13:43	Linda C Pape	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	12156WAB026	06/05/2012 13:51	Linda M Hartenstine	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	12156WAB026	06/04/2012 21:35	Karen L Beyer	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12158A07A	06/08/2012 06:04	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12158A07A	06/08/2012 06:04	Marie D John	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	121570024A	06/11/2012 18:31	Tracy A Cole	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	121570024A	06/06/2012 10:00	Cynthia J Salvatori	1
06035	Lead	SW-846 6020	1	121566050003A	06/08/2012 20:52	Parker D Lindstrom	1
06050	ICP/MS SW-846 Water Digest	SW-846 3020A	1	121566050003	06/04/2012 22:00	Annamaria Stipkovits	1

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Analysis Report

Sample Description: **GW-053112-NH-MW10 MSD Grab Water**
Tidewater Seattle
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6674513
LLI Group # 1312979
Account # 13534

Project Name: Tidewater Seattle

Collected: 05/31/2012 10:00 by NH

Submitted: 06/01/2012 09:25
Reported: 06/13/2012 16:34

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

MLK10

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**	
10903	Acetone	67-64-1	160	6	1
10903	Benzene	71-43-2	22	0.5	1
10903	Bromobenzene	108-86-1	21	1	1
10903	Bromochloromethane	74-97-5	20	1	1
10903	Bromodichloromethane	75-27-4	23	1	1
10903	Bromoform	75-25-2	19	1	1
10903	Bromomethane	74-83-9	19	1	1
10903	2-Butanone	78-93-3	140	3	1
10903	n-Butylbenzene	104-51-8	24	1	1
10903	sec-Butylbenzene	135-98-8	24	1	1
10903	tert-Butylbenzene	98-06-6	20	1	1
10903	Carbon Disulfide	75-15-0	22	1	1
10903	Carbon Tetrachloride	56-23-5	26	1	1
10903	Chlorobenzene	108-90-7	22	0.8	1
10903	Chloroethane	75-00-3	19	1	1
10903	Chloroform	67-66-3	22	0.8	1
10903	Chloromethane	74-87-3	19	1	1
10903	2-Chlorotoluene	95-49-8	22	1	1
10903	4-Chlorotoluene	106-43-4	22	1	1
10903	1,2-Dibromo-3-chloropropane	96-12-8	20	2	1
10903	Dibromochloromethane	124-48-1	21	1	1
10903	1,2-Dibromoethane	106-93-4	21	1	1
10903	Dibromomethane	74-95-3	22	1	1
10903	1,2-Dichlorobenzene	95-50-1	21	1	1
10903	1,3-Dichlorobenzene	541-73-1	22	1	1
10903	1,4-Dichlorobenzene	106-46-7	21	1	1
10903	Dichlorodifluoromethane	75-71-8	15	2	1
10903	1,1-Dichloroethane	75-34-3	23	1	1
10903	1,2-Dichloroethane	107-06-2	24	1	1
10903	1,1-Dichloroethene	75-35-4	23	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	34	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	23	0.8	1
10903	1,2-Dichloropropane	78-87-5	22	1	1
10903	1,3-Dichloropropane	142-28-9	21	1	1
10903	2,2-Dichloropropane	594-20-7	26	1	1
10903	1,1-Dichloropropene	563-58-6	24	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	22	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	22	1	1
10903	Ethylbenzene	100-41-4	22	0.8	1
10903	Hexachlorobutadiene	87-68-3	22	2	1
10903	2-Hexanone	591-78-6	88	3	1
10903	Isopropylbenzene	98-82-8	24	1	1
10903	p-Isopropyltoluene	99-87-6	24	1	1
10903	Methyl Tertiary Butyl Ether	1634-04-4	22	0.5	1
10903	4-Methyl-2-pentanone	108-10-1	90	3	1
10903	Methylene Chloride	75-09-2	21	2	1
10903	Naphthalene	91-20-3	20	1	1
10903	n-Propylbenzene	103-65-1	25	1	1
10903	Styrene	100-42-5	22	1	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	23	1	1

Sample Description: **GW-053112-NH-MW10 MSD Grab Water**
Tidewater Seattle
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6674513
LLI Group # 1312979
Account # 13534

Project Name: Tidewater Seattle

Collected: 05/31/2012 10:00 by NH

Submitted: 06/01/2012 09:25
Reported: 06/13/2012 16:34

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

MLK10

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**	
10903	1,1,2,2-Tetrachloroethane	79-34-5	20	1	1
10903	Tetrachloroethene	127-18-4	23	0.8	1
10903	Toluene	108-88-3	23	0.7	1
10903	1,2,3-Trichlorobenzene	87-61-6	20	1	1
10903	1,2,4-Trichlorobenzene	120-82-1	21	1	1
10903	1,1,1-Trichloroethane	71-55-6	26	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	22	0.8	1
10903	Trichloroethene	79-01-6	23	1	1
10903	Trichlorofluoromethane	75-69-4	27	2	1
10903	1,2,3-Trichloropropane	96-18-4	21	1	1
10903	1,2,4-Trimethylbenzene	95-63-6	24	1	1
10903	1,3,5-Trimethylbenzene	108-67-8	24	1	1
10903	Vinyl Chloride	75-01-4	53	1	1
10903	m+p-Xylene	179601-23-1	45	0.8	1
10903	o-Xylene	95-47-6	22	0.8	1
10903	Xylene (Total)	1330-20-7	66	0.8	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	0.97	0.0095	1
08357	Acenaphthylene	208-96-8	0.81	0.0095	1
08357	Anthracene	120-12-7	0.94	0.0095	1
08357	Benzo(a)anthracene	56-55-3	0.88	0.0095	1
08357	Benzo(a)pyrene	50-32-8	0.86	0.0095	1
08357	Benzo(b)fluoranthene	205-99-2	0.93	0.0095	1
08357	Benzo(g,h,i)perylene	191-24-2	0.79	0.0095	1
08357	Benzo(k)fluoranthene	207-08-9	0.84	0.0095	1
08357	Chrysene	218-01-9	0.89	0.0095	1
08357	Dibenz(a,h)anthracene	53-70-3	0.74	0.0095	1
08357	Fluoranthene	206-44-0	0.96	0.0095	1
08357	Fluorene	86-73-7	0.88	0.0095	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	0.73	0.0095	1
08357	Naphthalene	91-20-3	0.79	0.028	1
08357	Phenanthrene	85-01-8	0.96	0.028	1
08357	Pyrene	129-00-0	0.89	0.0095	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	1,100	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.	1,600	28	1
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	1
Metals	**SW-846 6020**		**ug/l**	**ug/l**	
06035	Lead	7439-92-1	16.5	0.080	1

Sample Description: GW-053112-NH-MW10 MSD Grab Water
Tidewater Seattle
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6674513
LLI Group # 1312979
Account # 13534

Project Name: Tidewater Seattle

Collected: 05/31/2012 10:00 by NH

Submitted: 06/01/2012 09:25
Reported: 06/13/2012 16:34

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

MLK10

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
10903	8260 CVX Solvent Cmpd List	SW-846 8260B	1	T121591AA	06/07/2012 14:07	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T121591AA	06/07/2012 14:07	Linda C Pape	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	12156WAB026	06/05/2012 14:22	Linda M Hartenstine	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	12156WAB026	06/04/2012 21:35	Karen L Beyer	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12158A07A	06/08/2012 06:30	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12158A07A	06/08/2012 06:30	Marie D John	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	121570024A	06/11/2012 18:54	Tracy A Cole	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	121570024A	06/06/2012 10:00	Cynthia J Salvatori	1
06035	Lead	SW-846 6020	1	121566050003A	06/08/2012 20:54	Parker D Lindstrom	1
06050	ICP/MS SW-846 Water Digest	SW-846 3020A	1	121566050003	06/04/2012 22:00	Annamaria Stipkovits	1

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Analysis Report

Sample Description: **GW-053112-NH-MW10 DUP Grab Water**
Tidewater Seattle
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6674514
LLI Group # 1312979
Account # 13534

Project Name: Tidewater Seattle

Collected: 05/31/2012 10:00 by NH

Submitted: 06/01/2012 09:25
Reported: 06/13/2012 16:34

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

MLK10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
Metals	**SW-846 6020**		**ug/l**	**ug/l**	
06035	Lead	7439-92-1	0.49	0.080	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
06035	Lead	SW-846 6020	1	121566050003A	06/08/2012 20:51	Parker D Lindstrom	1
06050	ICP/MS SW-846 Water Digest	SW-846 3020A	1	121566050003	06/04/2012 22:00	Annamaria Stipkovits	1

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Analysis Report

Sample Description: **GW-053112-NH-MW7 Grab Water**
Tidewater Seattle
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6674515
LLI Group # 1312979
Account # 13534

Project Name: Tidewater Seattle

Collected: 05/31/2012 12:00 by NH

Submitted: 06/01/2012 09:25
Reported: 06/13/2012 16:34

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

MLK07

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**	
10903	Acetone	67-64-1	N.D.	6	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromobenzene	108-86-1	N.D.	1	1
10903	Bromochloromethane	74-97-5	N.D.	1	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	2-Butanone	78-93-3	N.D.	3	1
10903	n-Butylbenzene	104-51-8	N.D.	1	1
10903	sec-Butylbenzene	135-98-8	N.D.	1	1
10903	tert-Butylbenzene	98-06-6	N.D.	1	1
10903	Carbon Disulfide	75-15-0	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	2-Chlorotoluene	95-49-8	N.D.	1	1
10903	4-Chlorotoluene	106-43-4	N.D.	1	1
10903	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,2-Dibromoethane	106-93-4	N.D.	1	1
10903	Dibromomethane	74-95-3	N.D.	1	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	12	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	1,3-Dichloropropane	142-28-9	N.D.	1	1
10903	2,2-Dichloropropane	594-20-7	N.D.	1	1
10903	1,1-Dichloropropene	563-58-6	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Hexachlorobutadiene	87-68-3	N.D.	2	1
10903	2-Hexanone	591-78-6	N.D.	3	1
10903	Isopropylbenzene	98-82-8	N.D.	1	1
10903	p-Isopropyltoluene	99-87-6	N.D.	1	1
10903	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10903	4-Methyl-2-pentanone	108-10-1	N.D.	3	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	Naphthalene	91-20-3	N.D.	1	1
10903	n-Propylbenzene	103-65-1	N.D.	1	1
10903	Styrene	100-42-5	N.D.	1	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1	1

Sample Description: **GW-053112-NH-MW7 Grab Water**
Tidewater Seattle
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6674515
LLI Group # 1312979
Account # 13534

Project Name: Tidewater Seattle

Collected: 05/31/2012 12:00 by NH

Submitted: 06/01/2012 09:25
Reported: 06/13/2012 16:34

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

MLK07

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**	
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,2,3-Trichlorobenzene	87-61-6	N.D.	1	1
10903	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	3	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1	1
10903	1,2,4-Trimethylbenzene	95-63-6	N.D.	1	1
10903	1,3,5-Trimethylbenzene	108-67-8	N.D.	1	1
10903	Vinyl Chloride	75-01-4	3	1	1
10903	m+p-Xylene	179601-23-1	N.D.	0.8	1
10903	o-Xylene	95-47-6	N.D.	0.8	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1
GC/MS Semivolatiles	**SW-846 8270C SIM**		**ug/l**	**ug/l**	
08357	Acenaphthene	83-32-9	N.D.	0.0095	1
08357	Acenaphthylene	208-96-8	N.D.	0.0095	1
08357	Anthracene	120-12-7	0.27	0.0095	1
08357	Benzo(a)anthracene	56-55-3	0.085	0.0095	1
08357	Benzo(a)pyrene	50-32-8	0.044	0.0095	1
08357	Benzo(b)fluoranthene	205-99-2	0.090	0.0095	1
08357	Benzo(g,h,i)perylene	191-24-2	0.033	0.0095	1
08357	Benzo(k)fluoranthene	207-08-9	0.036	0.0095	1
08357	Chrysene	218-01-9	0.28	0.0095	1
08357	Dibenz(a,h)anthracene	53-70-3	N.D.	0.0095	1
08357	Fluoranthene	206-44-0	0.88	0.0095	1
08357	Fluorene	86-73-7	N.D.	0.0095	1
08357	Indeno(1,2,3-cd)pyrene	193-39-5	0.022	0.0095	1
08357	Naphthalene	91-20-3	N.D.	0.028	1
08357	Phenanthrene	85-01-8	N.D.	0.028	1
08357	Pyrene	129-00-0	0.82	0.0095	1
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.	37	29	1
02211	HRO C24-C40 w/Si Gel	n.a.	160	67	1
Metals	**SW-846 6020**		**ug/l**	**ug/l**	
06035	Lead	7439-92-1	13.8	0.080	1

Sample Description: GW-053112-NH-MW7 Grab Water
Tidewater Seattle
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6674515
LLI Group # 1312979
Account # 13534

Project Name: Tidewater Seattle

Collected: 05/31/2012 12:00 by NH

Submitted: 06/01/2012 09:25
Reported: 06/13/2012 16:34

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

MLK07

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
10903	8260 CVX Solvent Cmpd List	SW-846 8260B	1	T121591AA	06/07/2012 16:31	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T121591AA	06/07/2012 16:31	Linda C Pape	1
08357	PAHs in waters by SIM	SW-846 8270C SIM	1	12156WAB026	06/05/2012 20:29	Linda M Hartenstine	1
10470	BNA Water Extraction (SIM)	SW-846 3510C	1	12156WAB026	06/04/2012 21:35	Karen L Beyer	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12158A07A	06/08/2012 02:42	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12158A07A	06/08/2012 02:42	Marie D John	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	121570024A	06/11/2012 19:16	Tracy A Cole	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	121570024A	06/06/2012 10:00	Cynthia J Salvatori	1
06035	Lead	SW-846 6020	1	121566050003A	06/08/2012 21:35	Parker D Lindstrom	1
06050	ICP/MS SW-846 Water Digest	SW-846 3020A	1	121566050003	06/04/2012 22:00	Annamaria Stipkovits	1

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Analysis Report

Sample Description: **GW-053112-NH-MW6 Grab Water**
Tidewater Seattle
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6674516
LLI Group # 1312979
Account # 13534

Project Name: Tidewater Seattle

Collected: 05/31/2012 13:00 by NH

Submitted: 06/01/2012 09:25
Reported: 06/13/2012 16:34

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

MLK06

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**	
10903	Acetone	67-64-1	N.D.	6	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromobenzene	108-86-1	N.D.	1	1
10903	Bromochloromethane	74-97-5	N.D.	1	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	2-Butanone	78-93-3	N.D.	3	1
10903	n-Butylbenzene	104-51-8	N.D.	1	1
10903	sec-Butylbenzene	135-98-8	N.D.	1	1
10903	tert-Butylbenzene	98-06-6	N.D.	1	1
10903	Carbon Disulfide	75-15-0	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	2-Chlorotoluene	95-49-8	N.D.	1	1
10903	4-Chlorotoluene	106-43-4	N.D.	1	1
10903	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,2-Dibromoethane	106-93-4	N.D.	1	1
10903	Dibromomethane	74-95-3	N.D.	1	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	1,3-Dichloropropane	142-28-9	N.D.	1	1
10903	2,2-Dichloropropane	594-20-7	N.D.	1	1
10903	1,1-Dichloropropene	563-58-6	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Hexachlorobutadiene	87-68-3	N.D.	2	1
10903	2-Hexanone	591-78-6	N.D.	3	1
10903	Isopropylbenzene	98-82-8	N.D.	1	1
10903	p-Isopropyltoluene	99-87-6	N.D.	1	1
10903	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10903	4-Methyl-2-pentanone	108-10-1	N.D.	3	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	Naphthalene	91-20-3	N.D.	1	1
10903	n-Propylbenzene	103-65-1	N.D.	1	1
10903	Styrene	100-42-5	N.D.	1	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1	1

Sample Description: GW-053112-NH-MW6 Grab Water
Tidewater Seattle
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6674516
LLI Group # 1312979
Account # 13534

Project Name: Tidewater Seattle

Collected: 05/31/2012 13:00 by NH

Submitted: 06/01/2012 09:25
Reported: 06/13/2012 16:34

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

MLK06

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**	
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,2,3-Trichlorobenzene	87-61-6	N.D.	1	1
10903	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	N.D.	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1	1
10903	1,2,4-Trimethylbenzene	95-63-6	N.D.	1	1
10903	1,3,5-Trimethylbenzene	108-67-8	N.D.	1	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	m+p-Xylene	179601-23-1	N.D.	0.8	1
10903	o-Xylene	95-47-6	N.D.	0.8	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	1
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.	68	1
Metals	**SW-846 6020**		**ug/l**	**ug/l**	
06035	Lead	7439-92-1	2.5	0.080	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
10903	8260 CVX Solvent Cmpd List	SW-846 8260B	1	T121591AA	06/07/2012 16:55	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T121591AA	06/07/2012 16:55	Linda C Pape	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12158A07A	06/08/2012 03:07	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12158A07A	06/08/2012 03:07	Marie D John	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	121580018A	06/11/2012 11:52	Tracy A Cole	1

Sample Description: GW-053112-NH-MW6 Grab Water
Tidewater Seattle
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6674516
LLI Group # 1312979
Account # 13534

Project Name: Tidewater Seattle

Collected: 05/31/2012 13:00 by NH

Submitted: 06/01/2012 09:25
Reported: 06/13/2012 16:34

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

MLK06

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	121580018A	06/07/2012 02:30	Sherry L Morrow	1
06035	Lead	SW-846 6020	1	121566050003A	06/08/2012 21:37	Parker D Lindstrom	1
06050	ICP/MS SW-846 Water Digest	SW-846 3020A	1	121566050003	06/04/2012 22:00	Annamaria Stipkovits	1

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Analysis Report

Sample Description: Trip_Blank Water
Tidewater Seattle
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6674517
LLI Group # 1312979
Account # 13534

Project Name: Tidewater Seattle

Collected: 05/30/2012

Submitted: 06/01/2012 09:25
Reported: 06/13/2012 16:34

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

MLKTB

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**	
10903	Acetone	67-64-1	N.D.	6	1
10903	Benzene	71-43-2	N.D.	0.5	1
10903	Bromobenzene	108-86-1	N.D.	1	1
10903	Bromochloromethane	74-97-5	N.D.	1	1
10903	Bromodichloromethane	75-27-4	N.D.	1	1
10903	Bromoform	75-25-2	N.D.	1	1
10903	Bromomethane	74-83-9	N.D.	1	1
10903	2-Butanone	78-93-3	N.D.	3	1
10903	n-Butylbenzene	104-51-8	N.D.	1	1
10903	sec-Butylbenzene	135-98-8	N.D.	1	1
10903	tert-Butylbenzene	98-06-6	N.D.	1	1
10903	Carbon Disulfide	75-15-0	N.D.	1	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1	1
10903	Chlorobenzene	108-90-7	N.D.	0.8	1
10903	Chloroethane	75-00-3	N.D.	1	1
10903	Chloroform	67-66-3	N.D.	0.8	1
10903	Chloromethane	74-87-3	N.D.	1	1
10903	2-Chlorotoluene	95-49-8	N.D.	1	1
10903	4-Chlorotoluene	106-43-4	N.D.	1	1
10903	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	1
10903	Dibromochloromethane	124-48-1	N.D.	1	1
10903	1,2-Dibromoethane	106-93-4	N.D.	1	1
10903	Dibromomethane	74-95-3	N.D.	1	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1	1
10903	1,3-Dichloropropane	142-28-9	N.D.	1	1
10903	2,2-Dichloropropane	594-20-7	N.D.	1	1
10903	1,1-Dichloropropene	563-58-6	N.D.	1	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
10903	Ethylbenzene	100-41-4	N.D.	0.8	1
10903	Hexachlorobutadiene	87-68-3	N.D.	2	1
10903	2-Hexanone	591-78-6	N.D.	3	1
10903	Isopropylbenzene	98-82-8	N.D.	1	1
10903	p-Isopropyltoluene	99-87-6	N.D.	1	1
10903	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
10903	4-Methyl-2-pentanone	108-10-1	N.D.	3	1
10903	Methylene Chloride	75-09-2	N.D.	2	1
10903	Naphthalene	91-20-3	N.D.	1	1
10903	n-Propylbenzene	103-65-1	N.D.	1	1
10903	Styrene	100-42-5	N.D.	1	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1	1

Sample Description: **Trip_Blank Water**
Tidewater Seattle
2800 Martin Luther King Jr Way - Seattle, WA

LLI Sample # WW 6674517
LLI Group # 1312979
Account # 13534

Project Name: Tidewater Seattle

Collected: 05/30/2012

Submitted: 06/01/2012 09:25
Reported: 06/13/2012 16:34

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

MLKTB

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**	
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
10903	Tetrachloroethene	127-18-4	N.D.	0.8	1
10903	Toluene	108-88-3	N.D.	0.7	1
10903	1,2,3-Trichlorobenzene	87-61-6	N.D.	1	1
10903	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
10903	Trichloroethene	79-01-6	N.D.	1	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1	1
10903	1,2,4-Trimethylbenzene	95-63-6	N.D.	1	1
10903	1,3,5-Trimethylbenzene	108-67-8	N.D.	1	1
10903	Vinyl Chloride	75-01-4	N.D.	1	1
10903	m+p-Xylene	179601-23-1	N.D.	0.8	1
10903	o-Xylene	95-47-6	N.D.	0.8	1
10903	Xylene (Total)	1330-20-7	N.D.	0.8	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
10903	8260 CVX Solvent Cmpd List	SW-846 8260B	1	T121591AA	06/07/2012 12:55	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T121591AA	06/07/2012 12:55	Linda C Pape	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12158A07A	06/07/2012 22:53	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12158A07A	06/07/2012 22:53	Marie D John	1

Quality Control Summary

Client Name: Conestoga-Rovers & Associates Group Number: 1312979
Reported: 06/13/12 at 04:34 PM

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: T121591AA	Sample number(s): 6674503-6674513,6674515-6674517							
Acetone	N.D.	6.	ug/l	106		38-212		
Benzene	N.D.	0.5	ug/l	101		77-121		
Bromobenzene	N.D.	1.	ug/l	98		80-120		
Bromochloromethane	N.D.	1.	ug/l	99		77-130		
Bromodichloromethane	N.D.	1.	ug/l	107		73-120		
Bromoform	N.D.	1.	ug/l	96		61-120		
Bromomethane	N.D.	1.	ug/l	85		44-120		
2-Butanone	N.D.	3.	ug/l	96		53-155		
n-Butylbenzene	N.D.	1.	ug/l	107		73-130		
sec-Butylbenzene	N.D.	1.	ug/l	109		74-124		
tert-Butylbenzene	N.D.	1.	ug/l	104		80-120		
Carbon Disulfide	N.D.	1.	ug/l	96		62-125		
Carbon Tetrachloride	N.D.	1.	ug/l	118		67-122		
Chlorobenzene	N.D.	0.8	ug/l	105		80-120		
Chloroethane	N.D.	1.	ug/l	85		49-129		
Chloroform	N.D.	0.8	ug/l	105		77-122		
Chloromethane	N.D.	1.	ug/l	88		60-129		
2-Chlorotoluene	N.D.	1.	ug/l	99		80-120		
4-Chlorotoluene	N.D.	1.	ug/l	98		80-120		
1,2-Dibromo-3-chloropropane	N.D.	2.	ug/l	95		56-126		
Dibromochloromethane	N.D.	1.	ug/l	101		72-120		
1,2-Dibromoethane	N.D.	1.	ug/l	105		76-120		
Dibromomethane	N.D.	1.	ug/l	105		80-120		
1,2-Dichlorobenzene	N.D.	1.	ug/l	100		80-120		
1,3-Dichlorobenzene	N.D.	1.	ug/l	100		80-120		
1,4-Dichlorobenzene	N.D.	1.	ug/l	101		80-120		
Dichlorodifluoromethane	N.D.	2.	ug/l	66		47-120		
1,1-Dichloroethane	N.D.	1.	ug/l	108		79-120		
1,2-Dichloroethane	N.D.	1.	ug/l	115		64-130		
1,1-Dichloroethene	N.D.	0.8	ug/l	101		80-120		
cis-1,2-Dichloroethene	N.D.	0.8	ug/l	105		80-120		
trans-1,2-Dichloroethene	N.D.	0.8	ug/l	102		80-120		
1,2-Dichloropropane	N.D.	1.	ug/l	105		80-120		
1,3-Dichloropropane	N.D.	1.	ug/l	105		80-120		
2,2-Dichloropropane	N.D.	1.	ug/l	117		67-124		
1,1-Dichloropropene	N.D.	1.	ug/l	107		80-120		
cis-1,3-Dichloropropene	N.D.	1.	ug/l	105		78-120		
trans-1,3-Dichloropropene	N.D.	1.	ug/l	109		79-120		
Ethylbenzene	N.D.	0.8	ug/l	103		79-120		
Hexachlorobutadiene	N.D.	2.	ug/l	101		58-120		
2-Hexanone	N.D.	3.	ug/l	86		53-139		
Isopropylbenzene	N.D.	1.	ug/l	110		77-120		
p-Isopropyltoluene	N.D.	1.	ug/l	107		77-121		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	105		68-121		
4-Methyl-2-pentanone	N.D.	3.	ug/l	89		58-133		

*- 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: 1312979
Reported: 06/13/12 at 04:34 PM

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Methylene Chloride	N.D.	2.	ug/l	99		80-126		
Naphthalene	N.D.	1.	ug/l	95		47-126		
n-Propylbenzene	N.D.	1.	ug/l	111		77-130		
Styrene	N.D.	1.	ug/l	104		77-120		
1,1,1,2-Tetrachloroethane	N.D.	1.	ug/l	110		79-120		
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/l	98		75-123		
Tetrachloroethene	N.D.	0.8	ug/l	105		79-120		
Toluene	N.D.	0.7	ug/l	104		79-120		
1,2,3-Trichlorobenzene	N.D.	1.	ug/l	93		71-120		
1,2,4-Trichlorobenzene	N.D.	1.	ug/l	98		72-120		
1,1,1-Trichloroethane	N.D.	0.8	ug/l	118		70-121		
1,1,2-Trichloroethane	N.D.	0.8	ug/l	105		80-120		
Trichloroethene	N.D.	1.	ug/l	106		80-120		
Trichlorofluoromethane	N.D.	2.	ug/l	116		56-128		
1,2,3-Trichloropropane	N.D.	1.	ug/l	102		76-120		
1,2,4-Trimethylbenzene	N.D.	1.	ug/l	108		69-122		
1,3,5-Trimethylbenzene	N.D.	1.	ug/l	109		68-124		
Vinyl Chloride	N.D.	1.	ug/l	92		56-123		
m+p-Xylene	N.D.	0.8	ug/l	104		77-120		
o-Xylene	N.D.	0.8	ug/l	103		77-120		
Xylene (Total)	N.D.	0.8	ug/l	104		77-120		
Batch number: 12156WAB026	Sample number(s): 6674503-6674513,6674515							
Acenaphthene	N.D.	0.010	ug/l	95		74-120		
Acenaphthylene	N.D.	0.010	ug/l	88		70-120		
Anthracene	N.D.	0.010	ug/l	95		66-120		
Benzo(a)anthracene	N.D.	0.010	ug/l	96		72-120		
Benzo(a)pyrene	N.D.	0.010	ug/l	95		60-127		
Benzo(b)fluoranthene	N.D.	0.010	ug/l	101		58-151		
Benzo(g,h,i)perylene	N.D.	0.010	ug/l	89		57-131		
Benzo(k)fluoranthene	N.D.	0.010	ug/l	96		59-130		
Chrysene	N.D.	0.010	ug/l	97		76-120		
Dibenz(a,h)anthracene	N.D.	0.010	ug/l	82		55-134		
Fluoranthene	N.D.	0.010	ug/l	94		75-120		
Fluorene	N.D.	0.010	ug/l	91		75-120		
Indeno(1,2,3-cd)pyrene	N.D.	0.010	ug/l	81		53-158		
Naphthalene	N.D.	0.030	ug/l	80		72-120		
Phenanthrene	N.D.	0.030	ug/l	95		76-120		
Pyrene	N.D.	0.010	ug/l	98		69-120		
Batch number: 12158A07A	Sample number(s): 6674503-6674513,6674515-6674517							
NWTPH-Gx water C7-C12	N.D.	50.	ug/l	91	91	75-135	0	30
Batch number: 121570024A	Sample number(s): 6674503-6674513,6674515							
DRO C12-C24 w/Si Gel	N.D.	30.	ug/l	88		50-120		
HRO C24-C40 w/Si Gel	N.D.	70.	ug/l					
Batch number: 121580018A	Sample number(s): 6674516							
DRO C12-C24 w/Si Gel	N.D.	30.	ug/l	81	81	50-120	0	20
HRO C24-C40 w/Si Gel	N.D.	70.	ug/l					
Batch number: 121566050003A	Sample number(s): 6674503-6674516							
Lead	N.D.	0.080	ug/l	104		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: 1312979
Reported: 06/13/12 at 04:34 PM

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: T121591AA	Sample number(s): 6674503-6674513,6674515-6674517 UNSPK: 6674511								
Acetone	101	104	52-139	3	30				
Benzene	110	112	72-134	1	30				
Bromobenzene	100	105	82-115	4	30				
Bromochloromethane	100	102	76-134	1	30				
Bromodichloromethane	112	113	78-125	1	30				
Bromoform	96	96	48-118	0	30				
Bromomethane	96	94	38-149	2	30				
2-Butanone	95	96	57-138	1	30				
n-Butylbenzene	117	121	73-128	4	30				
sec-Butylbenzene	114	122	79-125	7	30				
tert-Butylbenzene	101	102	81-121	2	30				
Carbon Disulfide	113	111	67-135	1	30				
Carbon Tetrachloride	132	132	72-135	0	30				
Chlorobenzene	112	110	87-124	2	30				
Chloroethane	98	97	51-145	1	30				
Chloroform	113	111	81-134	2	30				
Chloromethane	97	96	67-154	1	30				
2-Chlorotoluene	103	110	82-118	7	30				
4-Chlorotoluene	104	108	84-122	4	30				
1,2-Dibromo-3-chloropropane	96	100	54-134	4	30				
Dibromochloromethane	103	104	74-116	0	30				
1,2-Dibromoethane	106	105	77-116	1	30				
Dibromomethane	108	108	83-119	0	30				
1,2-Dichlorobenzene	103	107	84-119	4	30				
1,3-Dichlorobenzene	103	108	86-121	5	30				
1,4-Dichlorobenzene	103	107	85-121	4	30				
Dichlorodifluoromethane	76	74	52-129	2	30				
1,1-Dichloroethane	117	117	84-129	1	30				
1,2-Dichloroethane	121	120	68-131	1	30				
1,1-Dichloroethene	114	114	85-142	0	30				
cis-1,2-Dichloroethene	113	114	85-125	1	30				
trans-1,2-Dichloroethene	116	116	87-126	0	30				
1,2-Dichloropropane	111	111	83-124	0	30				
1,3-Dichloropropane	107	106	81-120	2	30				
2,2-Dichloropropane	129	129	69-135	0	30				
1,1-Dichloropropene	119	121	86-137	2	30				
cis-1,3-Dichloropropene	108	109	70-116	1	30				
trans-1,3-Dichloropropene	110	109	74-119	1	30				
Ethylbenzene	110	110	71-134	0	30				
Hexachlorobutadiene	105	111	56-134	6	30				
2-Hexanone	86	88	55-127	2	30				
Isopropylbenzene	117	120	75-128	2	30				
p-Isopropyltoluene	113	119	76-123	6	30				
Methyl Tertiary Butyl Ether	106	109	72-126	2	30				
4-Methyl-2-pentanone	89	90	63-123	1	30				
Methylene Chloride	105	105	78-133	0	30				
Naphthalene	93	99	52-125	6	30				
n-Propylbenzene	117	123	74-134	5	30				
Styrene	112	109	78-125	3	30				
1,1,1,2-Tetrachloroethane	117	115	82-119	2	30				
1,1,2,2-Tetrachloroethane	97	100	72-128	3	30				

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(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Conestoga-Rovers & Associates Group Number: 1312979
Reported: 06/13/12 at 04:34 PM

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
Tetrachloroethene	114	115	80-128	1	30				
Toluene	112	113	80-125	1	30				
1,2,3-Trichlorobenzene	93	98	69-119	5	30				
1,2,4-Trichlorobenzene	99	103	70-124	4	30				
1,1,1-Trichloroethane	130	132*	74-131	2	30				
1,1,2-Trichloroethane	107	108	77-124	1	30				
Trichloroethene	115	115	88-133	0	30				
Trichlorofluoromethane	136	134	64-146	2	30				
1,2,3-Trichloropropane	101	107	76-118	5	30				
1,2,4-Trimethylbenzene	114	118	72-130	4	30				
1,3,5-Trimethylbenzene	111	119	76-120	7	30				
Vinyl Chloride	88	90	66-133	1	30				
m+p-Xylene	111	111	79-125	0	30				
o-Xylene	109	109	79-125	0	30				
Xylene (Total)	111	110	79-125	0	30				
Batch number: 12156WAB026	Sample number(s): 6674503-6674513,6674515 UNSPK: 6674511								
Acenaphthene	99	102	73-117	2	30				
Acenaphthylene	83	86	78-116	3	30				
Anthracene	104	99	66-124	5	30				
Benzo(a)anthracene	94	93	67-124	1	30				
Benzo(a)pyrene	93	90	55-130	3	30				
Benzo(b)fluoranthene	101	98	66-132	4	30				
Benzo(g,h,i)perylene	85	83	19-145	3	30				
Benzo(k)fluoranthene	91	88	57-130	3	30				
Chrysene	94	94	74-117	1	30				
Dibenz(a,h)anthracene	80	78	46-139	3	30				
Fluoranthene	103	100	78-123	4	30				
Fluorene	89	92	78-120	2	30				
Indeno(1,2,3-cd)pyrene	79	77	39-146	3	30				
Naphthalene	97	83	52-131	15	30				
Phenanthrene	102	101	69-120	1	30				
Pyrene	91	92	47-133	1	30				
Batch number: 12158A07A	Sample number(s): 6674503-6674513,6674515-6674517 UNSPK: 6674511								
NWTPH-Gx water C7-C12	91	100	75-135	10	30				
Batch number: 121570024A	Sample number(s): 6674503-6674513,6674515 UNSPK: 6674511								
DRO C12-C24 w/Si Gel	95	102	60-120	6	20				
Batch number: 121566050003A	Sample number(s): 6674503-6674516 UNSPK: 6674511 BKG: 6674511								
Lead	108	107	83-120	1	20	0.46	0.49	7 (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: VOCs by 8260B - Water
Batch number: T121591AA

*- 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: 1312979
Reported: 06/13/12 at 04:34 PM

Surrogate Quality Control

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6674503	102	101	101	104
6674504	103	101	100	102
6674505	104	101	101	108
6674506	100	100	101	106
6674507	98	101	99	103
6674508	102	99	101	107
6674509	103	102	100	106
6674510	102	100	101	105
6674511	106	103	101	102
6674512	103	99	102	108
6674513	101	101	102	108
6674515	106	101	102	104
6674516	107	103	101	102
6674517	106	103	101	103
Blank	103	103	98	99
LCS	102	99	104	108
MS	103	99	102	108
MSD	101	101	102	108
Limits:	80-116	77-113	80-113	78-113

Analysis Name: PAHs in waters by SIM
Batch number: 12156WAB026

	Fluoranthene-d10	Benzo(a)pyrene-d12	1-Methylnaphthalene-d10
6674503	101	95	
6674504	92	91	
6674505	80	80	
6674506	106	102	
6674507	104	106	
6674508	99	72	
6674509	98	101	
6674510	94	95	
6674511	102	94	90
6674512	106	101	90
6674513	106	98	84
6674515	95	88	
Blank	97	103	88
LCS	97	101	90
MS	106	101	90
MSD	106	98	84
Limits:	70-130	70-130	70-130

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 12158A07A

	Trifluorotoluene-F
6674503	92
6674504	93
6674505	89
6674506	90
6674507	98
6674508	92

*- 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: 1312979
Reported: 06/13/12 at 04:34 PM

Surrogate Quality Control

6674509	93
6674510	94
6674511	88
6674512	99
6674513	97
6674515	89
6674516	87
6674517	88
Blank	90
LCS	102
LCSD	102
MS	99
MSD	97

Limits: 63-135

Analysis Name: NWTPH-Dx water w/Si Gel
Batch number: 121570024A

Orthoterphenyl

6674503	106
6674504	101
6674505	72
6674506	110
6674507	107
6674508	102
6674509	107
6674510	106
6674511	108
6674512	75
6674513	113
6674515	105
Blank	100
LCS	117
MS	75
MSD	113

Limits: 50-150

Analysis Name: NWTPH-Dx water w/Si Gel
Batch number: 121580018A

Orthoterphenyl

6674516	101
Blank	101
LCS	102
LCSD	107

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 Gp# 1312979 sample# 6674503-17

CHAIN OF CUSTODY RECORD

CONESTOGA-ROVERS & ASSOCIATES
1117 TACOMA AVE. S.
TACOMA, WA. 98402-2005

SHIPPED TO (Laboratory Name):
LANCASTER LABORATORIES
2425 NEW HOLLAND PIKE
LANCASTER, PA
17601

REFERENCE NUMBER:
61992

SAMPLER'S SIGNATURE: _____ PRINTED NAME: N. Hinsperger

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. of Containers	NWTPH Gx	NWTPH Dx	VOC's	SVOC's	LEAD	REMARKS
	05/30/12	11:00	GW-053012-NH-MW1	GRAB	11	X	X	X	X	X	See SSOW for specific VOC analytes
	05/30/12	13:30	GW-053012-NH-MW4	GRAB	11	X	X	X	X	X	
	05/30/12	12:30	GW-053012-TM-MW8	GRAB	11	X	X	X	X	X	
	05/30/12	12:30	GW-053012-TM-MW8 FD	GRAB	11	X	X	X	X	X	
	05/30/12	15:30	GW-053012-NH-MW3	GRAB	11	X	X	X	X	X	4 trip blank vials rec'd and analyzed for VOCs *Gx per SSOW. jmp 6/5/12
	05/30/12	17:10	GW-053012-TM-MW2	GRAB	11	X	X	X	X	X	
	05/30/12	17:00	GW-053012-NH-MW5	GRAB	11	X	X	X	X	X	
	05/30/12	15:35	GW-053012-~~NH~~ TM* MW9	GRAB	11	X	X	X	X	X	
	05/31/12	10:00	GW-053112-NH-MW10	GRAB	27	X	X	X	X	X	MS/MSD
	05/31/12	12:00	GW-053112-NH-MW7	GRAB	9	X	X	X	X	X	
	05/31/12	13:00	GW-053112-NH-MW6	GRAB	9	X	X	X	X	X	PAHs by SIM (not SVOCs) per VOCs. Gx-Dx only on MS/MSD per M. Davis. No PAHs on MW-6 due to breakage. jmp 6/5/12 jmp 6/5/12
			*MW9 ID updated per M. Davis 6/5/12								

TOTAL NUMBER OF CONTAINERS: 133

HEALTH/CHEMICAL HAZARDS:

RELINQUISHED BY: ① _____	DATE: 05/31/12 TIME: 16:00	RECEIVED BY: ① _____	DATE: TIME:
RELINQUISHED BY: ② _____	DATE: TIME:	RECEIVED BY: ② _____	DATE: TIME:
RELINQUISHED BY: ③ _____	DATE: TIME:	RECEIVED BY: ③ _____	DATE: TIME:

METHOD OF SHIPMENT: WAY BILL No.

White —Fully Executed Copy
Yellow —Receiving Laboratory Copy
Pink —Shipper Copy
Goldenrod —Sampler Copy

SAMPLE TEAM: N. Hinsperger, T. Mullin

RECEIVED FOR LABORATORY BY: _____ DATE: 6/1/12 TIME: 925

No. CRA 20865

1001 (D) APR 28/97(NF) REV. 0 (F-15)

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

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.

Data Qualifiers:

C – result confirmed by reanalysis.

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

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

HISTORICAL GROUNDWATER MONITORING AND SAMPLING DATA

Table 1
Cumulative Summary of Groundwater Elevations and Sample Analytical Results

Former Tidewater Site
2800 Martin Luther King Way
Seattle, WA

Sample ID / Well Elevation (feet, amsl)	Date Sampled	Depth to Water (feet, TOC)	Groundwater Elevation (feet, amsl)	NWTPH-Dx		NWTPH-Gx	EPA Method 8260B											
				TPH-DRO (ug/L)	TPH-MRO (ug/L)	TPH-GRO (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	Naphthalene (ug/L)	MTBE (ug/L)	1,2-Di-bromoethane (ug/L)	1,2-Di-chloroethane (ug/L)	1,2,4-Tri-methylbenzene (ug/L)	1,3,5-Tri-methylbenzene (ug/L)	n-Propylbenzene (ug/L)	Iso-Propylbenzene (ug/L)
MW-1	08/19/05	13.01	84.91	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
97.92	10/27/05	12.62	85.30	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	12/27/05	--	--	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	01/12/08	9.03	88.89	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/02/06	10.56	87.36	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	06/28/06	12.42	85.50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/01/06	9.33	88.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/06/06	9.72	88.20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/28/07	11.04	86.88	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/07/07	11.14	86.78	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/11/07	11.06	86.86	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	11/12/09	11.08	86.84	--	--	<50	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--
	08/30/11	--	--	Well not sampled - well not found														
	12/15/11	--	--	Well not sampled - well not found														
62.35	02/06/12	9.84	52.51	430	**620**	260	<0.5	41	3	18	<1	<0.5	**<1**	<1	<1	<1	<1	<1
MW-2	08/19/05	13.02	83.23	--	--	**2,000**	ND	10	81	91	--	--	--	--	--	--	--	--
96.25	10/27/05	13.62	82.63	--	--	**2,300**	ND	ND	89	93	--	--	--	--	--	--	--	--
	12/27/05	--	--	--	--	**820**	ND	ND	21	66	--	--	--	--	--	--	--	--
	01/12/06	5.77	90.48	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/02/06	11.82	84.43	--	--	**1,300**	ND	3.9	23	50	--	--	--	--	--	--	--	--
	04/13/06	13.06	83.19	--	--	470	ND	1.4	6.9	15	--	--	--	--	--	--	--	--
	06/28/06	12.40	83.85	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/11/06	13.64	82.61	--	--	580	ND	1.6	2.9	6.2	--	--	--	--	--	--	--	--
	12/01/06	10.65	85.60	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/06/06	10.20	86.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/12/07	11.06	85.19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/12/07	--	--	--	--	**1,400**	1.4	3.5	16	13	--	--	--	--	--	--	--	--
	02/28/07	11.65	84.60	--	--	**1,200**	1.8	3.7	18	60	--	--	--	--	--	--	--	--
	03/07/07	11.43	84.82	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	04/11/07	11.07	85.18	--	--	**1,200**	ND	2.8	11	63	--	--	--	--	--	--	--	--
	11/12/09	12.35	83.90	--	--	455	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--
60.72	08/31/11	11.96	48.76	**590**	<66	**960**	1	<0.7	1	6	<1	<0.5	**<1**	<1	<1	2	59	24
	12/15/11	11.53	49.19	30	<67	750	1	<0.7	1	<1.6	<1	<0.5	**<1**	<1	<1	<1	60	25
	02/06/12	10.26	50.46	390	<68	780	1	2	<0.8	<1.6	<1	<0.5	**<1**	<1	<1	<1	55	22

Table 1
Cumulative Summary of Groundwater Elevations and Sample Analytical Results

Former Tidewater Site
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Seattle, WA

Sample ID / Well Elevation (feet, amsl)	Date Sampled	Depth to Water (feet, TOC)	Groundwater Elevation (feet, amsl)	NWTPH-Dx		NWTPH-Gx	EPA Method 8260B											
				TPH-DRO (ug/L)	TPH-MRO (ug/L)	TPH-GRO (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	Naphthalene (ug/L)	MTBE (ug/L)	1,2-Di-bromoethane (ug/L)	1,2-Di-chloroethane (ug/L)	1,2,4-Tri-methylbenzene (ug/L)	1,3,5-Tri-methylbenzene (ug/L)	n-Propylbenzene (ug/L)	Iso-Propylbenzene (ug/L)
MW-3	08/19/05	12.72	84.71	--	--	**44,000**	4.1	18	**780**	**3,600**	--	--	--	--	--	--	--	--
97.43	10/27/05	13.42	84.01	--	--	**17,000**	ND	38	580	**3,000**	--	--	--	--	--	--	--	--
	12/27/05	--	--	--	--	**6,600**	**5.0**	22	200	**1,100**	--	--	--	--	--	--	--	--
	01/12/06	8.84	88.59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/02/06	10.90	86.53	--	--	**22,000**	ND	26	450	**4,200**	--	--	--	--	--	--	--	--
	04/13/06	11.92	85.51	--	--	**33,000**	ND	3.4	**700**	**3,100**	--	--	--	--	--	--	--	--
	06/28/06	12.17	85.26	--	--	**53,000**	ND	17	530	**2,600**	--	--	--	--	--	--	--	--
	08/13/06	13.91	83.52	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	09/11/06	13.77	83.66	--	--	**14,000**	ND	5.6	180	**1,100**	--	--	--	--	--	--	--	--
	10/13/06	--	--	--	--	**1,400**	ND	1.0	26	98	--	--	--	--	--	--	--	--
	11/17/06	10.56	86.87	--	--	**48,000**	ND	34	490	**4,100**	--	--	--	--	--	--	--	--
	12/01/06	9.78	87.65	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/06/06	10.01	87.42	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/12/07	10.90	86.53	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/12/07	--	--	--	--	**36,000**	ND	10	280	**1,800**	--	--	--	--	--	--	--	--
	02/28/07	11.12	86.31	--	--	**22,000**	ND	5.8	200	**1,400**	--	--	--	--	--	--	--	--
	03/07/07	11.17	86.26	--	--	**21,000**	ND	18	170	**1,000**	--	--	--	--	--	--	--	--
	04/11/07	11.04	86.39	--	--	**19,000**	ND	5.5	110	**1,100**	--	--	--	--	--	--	--	--
	11/12/09	11.98	85.45	--	--	71.7	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--
61.81	08/31/11	12.10	49.71	370	<68	**7,400**	<1	<1	190	554	67	<1	**<2**	<2	1,300	330	140	47
	12/15/11	11.38	50.43	<29	<67	**5,400**	<0.5	<0.7	120	400	50	<0.5	**<1**	<1	950	210	110	37
	02/06/12	10.33	51.48	**1,200**	<68	**6,300**	<1	<1	130	523	49	<1	**<2**	<2	870	190	74	27
MW-4	06/28/06	12.40	85.96	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
98.36	12/01/06	9.90	88.46	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/06/06	10.21	88.15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/28/07	11.43	86.93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	03/07/07	11.49	86.87	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	04/11/07	11.27	87.09	--	--	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
	11/12/09	11.82	86.54	--	--	<50	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--
62.75	08/31/11	12.42	50.33	<29	<68	<50	<0.5	<0.7	<0.8	<0.8	<1	<0.5	**<1**	<1	<1	<1	<1	<1
	12/15/11	11.69	51.06	<29	<67	<50	<0.5	<0.7	<0.8	<1.6	<1	<0.5	**<1**	<1	<1	<1	<1	<1
	02/06/12	10.50	52.25	55	<67	<50	<0.5	<0.7	<0.8	<1.6	<1	<0.5	**<1**	<1	<1	<1	<1	<1
MW-5	06/28/06	12.09	85.11	--	--	**21,000**	ND	14	290	920	--	--	--	--	--	--	--	--
97.2	09/11/06	13.63	83.57	--	--	**2,500**	ND	ND	34	60	--	--	--	--	--	--	--	--
	11/17/06	10.57	86.63	--	--	**23,000**	ND	52	450	**1,700**	--	--	--	--	--	--	--	--
	12/01/06	9.75	87.45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	01/12/07	10.85	86.35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/12/07	--	--	--	--	**37,000**	ND	33	**1,600**	**2,800**	--	--	--	--	--	--	--	--
	02/28/07	11.05	86.15	--	--	**29,000**	ND	24	550	**1,800**	--	--	--	--	--	--	--	--
	03/07/07	11.11	86.09	--	--	**42,000**	**11.0**	24	**740**	**2,500**	--	--	--	--	--	--	--	--
	04/11/07	10.96	86.24	--	--	**65,000**	ND	79	**850**	**4000**	--	--	--	--	--	--	--	--
	11/12/09	12.10	85.10	--	--	**2,340**	1.3	36.3	<1.0	125	--	--	--	--	--	--	--	--
61.66	08/31/11	12.80	48.86	770	<67	**3,100**	2	1	72	124	120	<0.5	**<1**	<1	130	18	210	78
	12/15/11	11.41	50.25	66	<67	**1,900**	1	0.9	24	33	81	<0.5	**<1**	<1	43	3	120	43
	02/06/12	10.54	51.12	34	<68	**1,200**	0.8	<0.7	12	43	37	<0.5	**<1**	<1	31	6	55	21

Table 1
Cumulative Summary of Groundwater Elevations and Sample Analytical Results

Former Tidewater Site
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Seattle, WA

Sample ID / Well Elevation (feet, amsl)	Date Sampled	Depth to Water (feet, TOC)	Groundwater Elevation (feet, amsl)	NWTPH-Dx		NWTPH-Gx	EPA Method 8260B											
				TPH-DRO (ug/L)	TPH-MRO (ug/L)	TPH-GRO (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)	Naphthalene (ug/L)	MTBE (ug/L)	1,2-Di-bromoethane (ug/L)	1,2-Di-chloroethane (ug/L)	1,2,4-Tri-methylbenzene (ug/L)	1,3,5-Tri-methylbenzene (ug/L)	n-Propylbenzene (ug/L)	Iso-Propylbenzene (ug/L)
MW-6	08/31/11	12.33	45.70	44	<67	<50	<0.5	<0.7	<0.8	<0.8	1	<0.5	**<1**	<1	<1	<1	<1	<1
58.03	12/15/11	12.09	45.94	<29	<67	<50	<0.5	<0.7	<0.8	<1.6	<1	<0.5	**<1**	<1	<1	<1	<1	<1
	02/06/12	11.80	46.23	<29	<68	<50	<0.5	<0.7	<0.8	<1.6	<1	<0.5	**<1**	<1	<1	<1	<1	<1
MW-7	08/31/11	11.15	45.81	<29	<67	<50	<0.5	<0.7	<0.8	<0.8	<1	<0.5	**<1**	<1	<1	<1	<1	<1
56.96	12/15/11	10.93	46.03	45	89	<50	<0.5	<0.7	<0.8	<1.6	<1	<0.5	**<1**	<1	<1	<1	<1	<1
	02/06/12	10.75	46.21	<29	<68	<50	<0.5	2.0	<0.8	<1.6	<1	<0.5	**<1**	<1	<1	<1	<1	<1
MW-8	08/31/11	12.01	49.70	240	<67	**4,400**	<0.5	<0.7	41	442	33	<0.5	**<1**	<1	500	130	26	11
61.71	12/15/11	11.25	50.46	98	<67	**8,100**	<0.5	<0.7	79	880	72	<0.5	**<1**	<1	900	230	46	20
	02/06/12	10.00	51.71	290	<69	**13,000**	<1	<1	110	**1,280**	89	<1	**<2**	<2	1,400	450	36	18
MW-9	08/31/11	14.29	48.29	78	<68	<50	<0.5	<0.7	<0.8	<0.8	<1	<0.5	**<1**	<1	<1	<1	<1	<1
62.58	12/15/11	13.01	49.57	<29	<67	<50	<0.5	<0.7	<0.8	<1.6	<1	<0.5	**<1**	<1	<1	<1	<1	<1
	02/06/12	12.04	50.54	<300	**<700**[1]	66	<0.5	<0.7	<0.8	<1.6	<1	<0.5	**<1**	<1	<1	<1	<1	<1
MW-10	08/31/11	11.94	47.02	260	100	<50	2	<0.7	<0.8	<0.8	<1	<0.5	**<1**	<1	<1	<1	<1	<1
58.96	12/15/11	11.13	47.83	<28	<66	51	3	<0.7	<0.8	0.8	<1	<0.5	**<1**	<1	<1	<1	2	<1
	02/06/12	10.44	48.52	<29	<68	<50[2]	1	<0.7	<0.8	<1.6	<1	<0.5	**<1**	<1	<1	<1	3	1
TB	11/12/2009	---	---	--	--	<50	<1.0	<1.0	<1.0	<3.0	--	--	--	--	--	--	--	--
	8/31/2011	---	---	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
	12/15/11	---	---	--	--	<50	<0.5	<0.7	<0.8	<1.6	<1	<0.5	**<1**	<1	<1	<1	<1	<1
QA-T	02/07/12	---	---	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5	**--**	**--**	**--**	**--**	**--**	--
MTCA METHOD A CLEANUP LEVEL				**500**	**500**	**800/1,000***	**5**	**1,000**	**700**	**1,000**	**160**	**20**	**0.1**	**5**	**--**	**--**	**--**	**--**

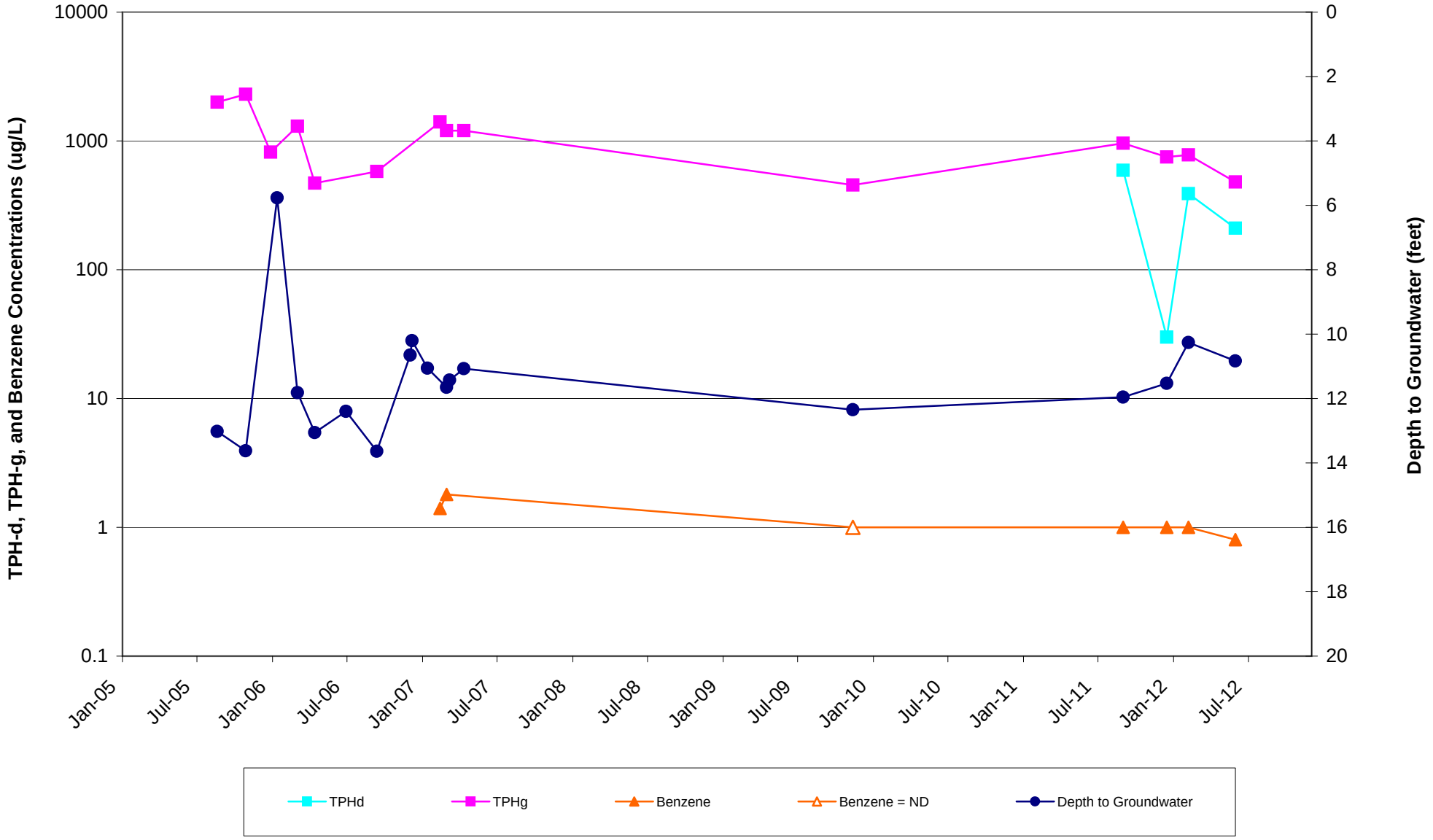
Explanation:
amsl = above mean sea level
bgs = below ground surface
EPA = Environmental Protection Agency
ND = Not detected at or above laboratory method reporting limits ug/L= micrograms per liter
SPH = separate phase hydrocarbons
TB = Trip blank
TOC = top of casing
MTCA= Model Toxics Control Act
TPH-DRO = Total Petroleum Hydrocarbons as Diesel Range Organics
TPH-GRO = Total Petroleum Hydrocarbons as Gasoline Range Organics
TPH-MRO = Total Petroleum Hydrocarbons as Motor Oil Range Organics
< = Not detected at or above laboratory method reporting limits.
-- = Not applicable or not analyzed
Bold = Exceeds MTCA Method A Cleanup Levels
MTBE= Methyl Tertiary Butyl Ether
*=Concentration of TPH-GRO containing benzene have a MTCA Method A cleanup level of 800 ug/L; no detectable benzene have a cleanup level of 1,000 ug/L.

[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.

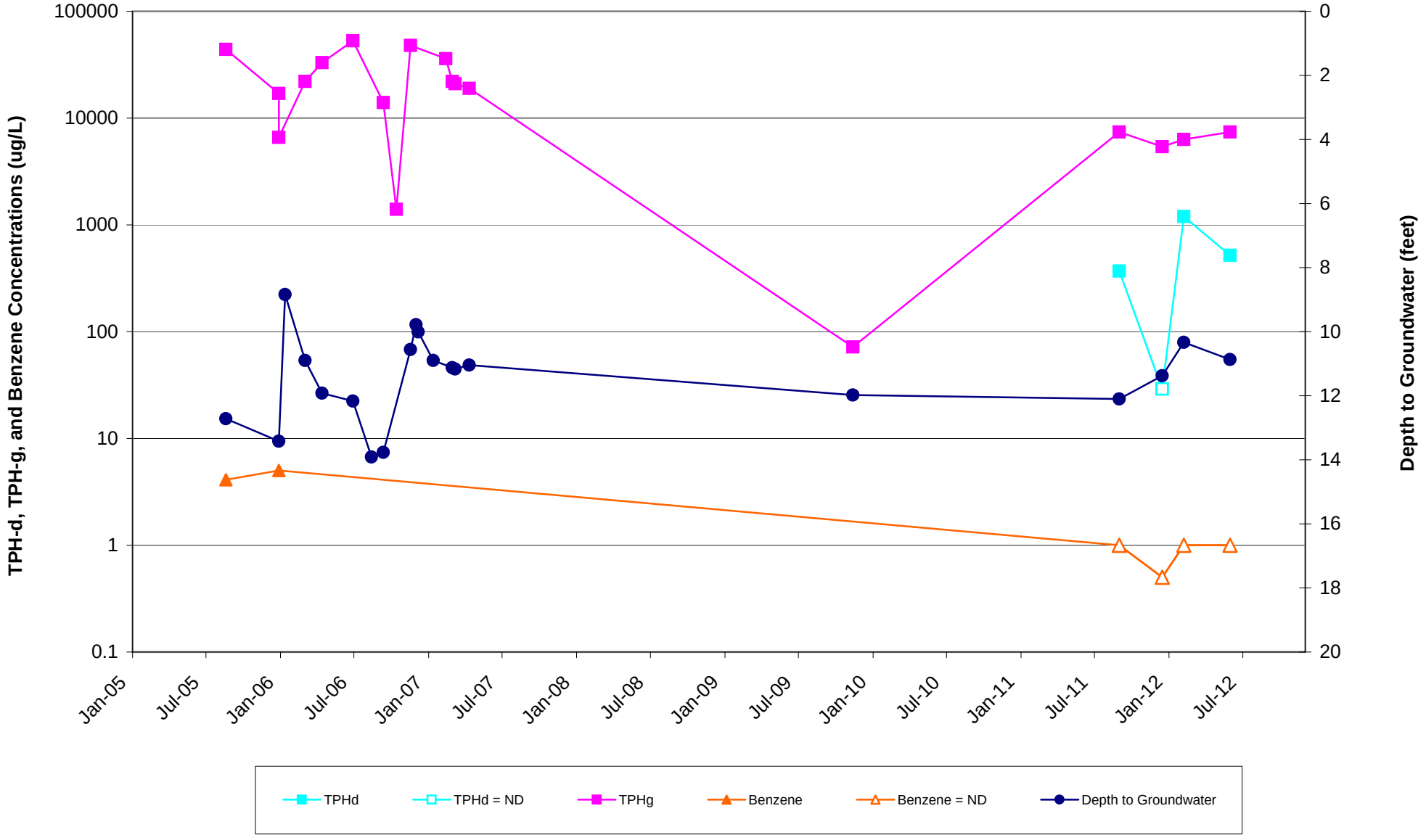
ATTACHMENT D

BENZENE, TPHG & TPHD CONCENTRATION TREND GRAPHS

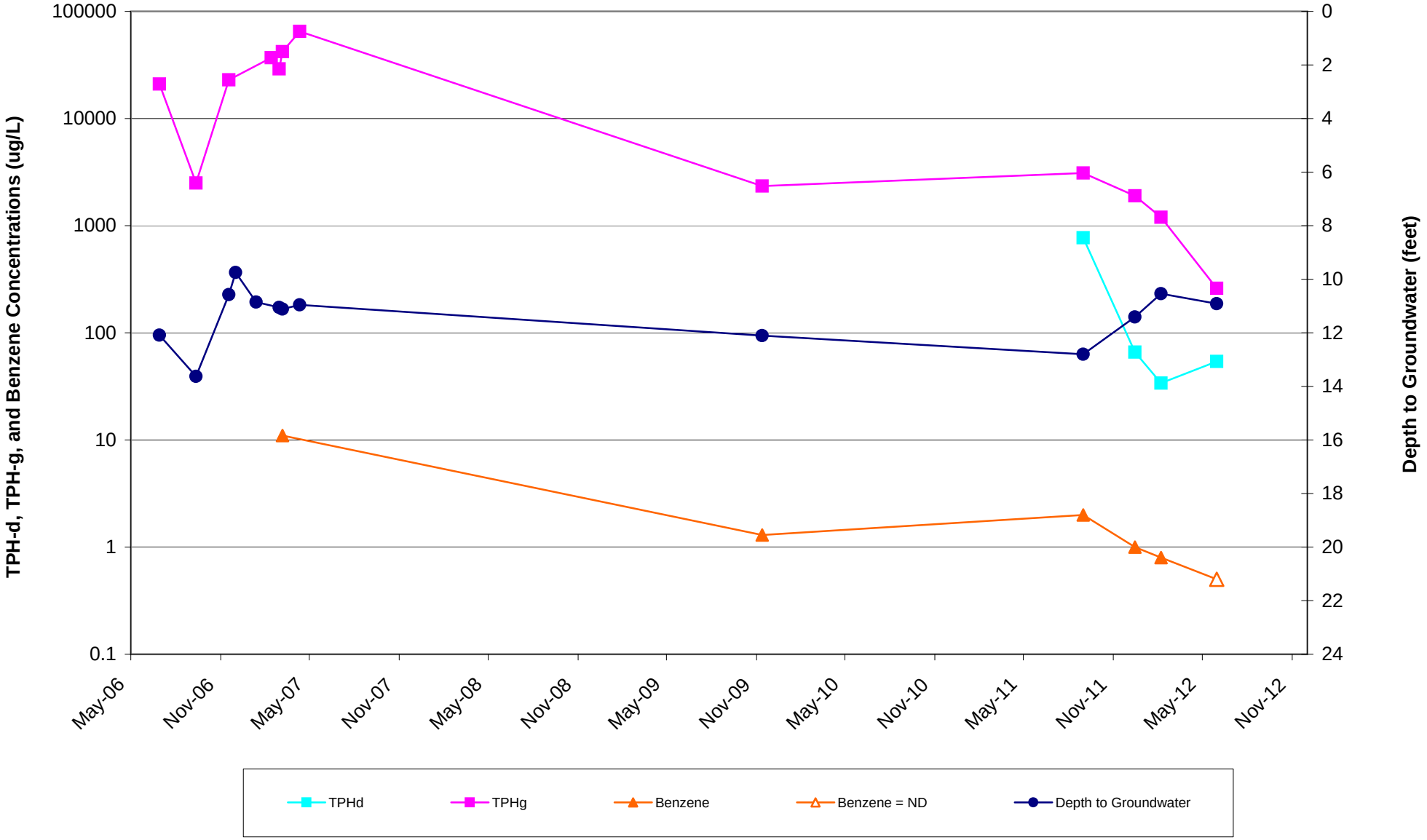
GRAPH 1
CHEMICAL CONCENTRATION VERSUS TIME
MW-2
FORMER TIDEWATER SITE
2800 MARTIN LUTHER KING JUNIOR WAY SOUTH
SEATTLE, WASHINGTON



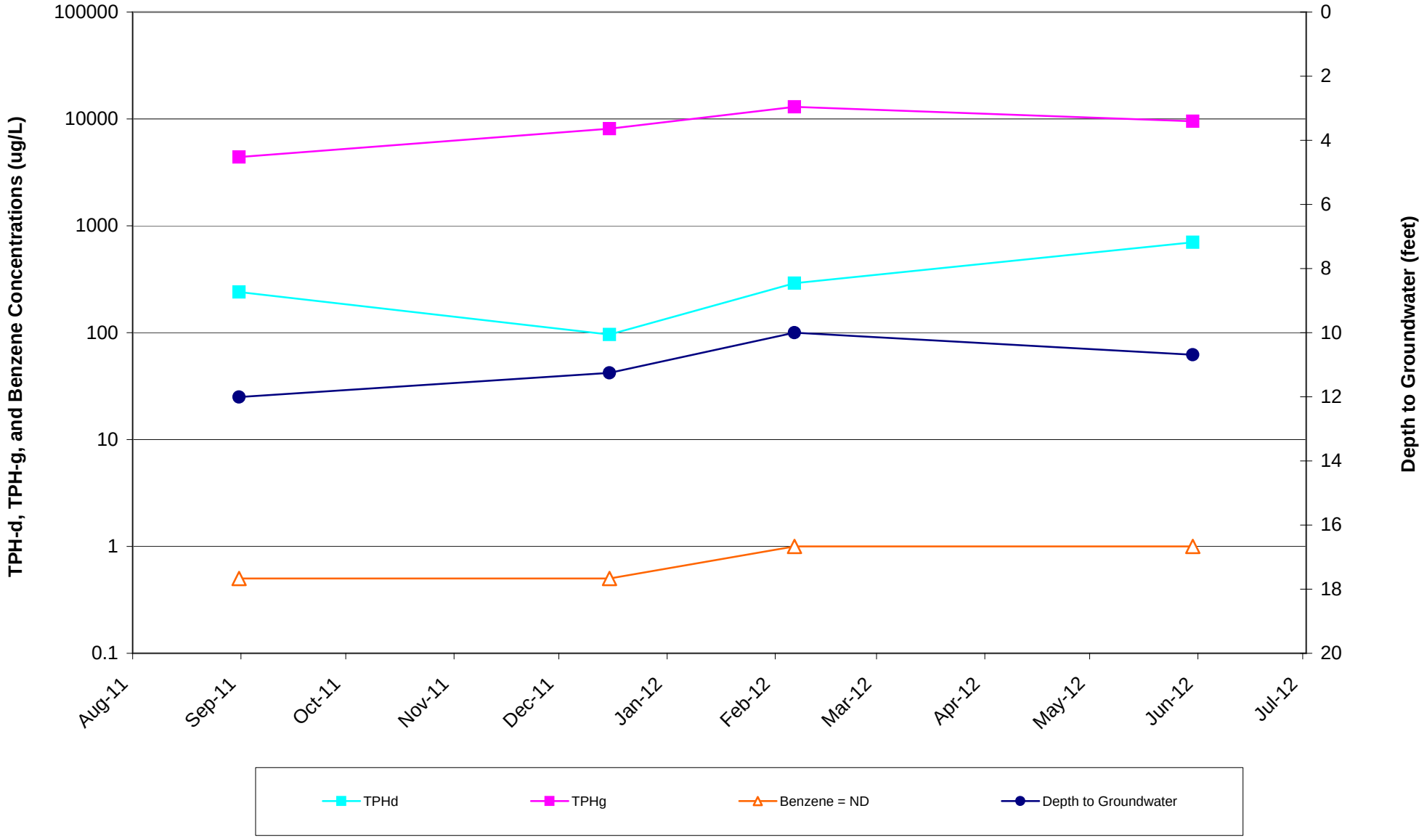
GRAPH 2
CHEMICAL CONCENTRATION VERSUS TIME
MW-3
FORMER TIDEWATER SITE
2800 MARTIN LUTHER KING JUNIOR WAY SOUTH
SEATTLE, WASHINGTON



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 E

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.