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Agreements		Access &/or License	
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		Court Order	Ct Ord
		Regulatory Order, Consent Order*	Reg Ord, Consent Ord
		Real Estate	RE
		Remediation & Indemnification	RI
		Participation /Allocation	Partic, Alloc
Financial		Financial Authorization – AFE, Budget Allocation, Accruals*	Bud Alloc
		Proposals-Cost Estimates-Work Orders*	Prop, SOW, WO
		Reimbursement – Applications, Regulatory Reimbursement Correspondence*	App, Reg Rmb Corres
		Miscellaneous Other – PRP Financial Documents, Exceptional Invoices** (i.e. Cash Calls, Fees for Permits, etc.), Monthly Financial Statements*	PRP Fin Doc, Excep Inv, Mntly Fin Stmt
Reports	X	Monitoring	Mntrg
		Assessment / Investigation	Assess
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Document Author: Company or Agency name Delta Environmental Consultants, Inc.
 Document Recipient: Company or Agency name ConocoPhillips
 Subject: or Re: line: GW Monitoring Report
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**CONOCOPHILLIPS COMPANY
GROUNDWATER MONITORING REPORT**

May 6, 2004

Site No.: 255353 Site Address: 600 Westlake Avenue, Seattle, Washington
 ConocoPhillips Site Manager: Tim Johnson
 Consultant/Contact Person: Delta Environmental Consultants, Inc. – Eric Larsen
 Primary Agency/Regulatory ID No.: Washington DOE Northwest Region

WORK PERFORMED THIS QUARTER [First - 2004]

- Measured depth to water in 18 monitoring wells (SMW-03, MW-03, MW-32A, MW-33, MW-34, MW-35, MW-36, MW-37, MW-38, MW-40, MW-43, MW-44, MW-45, MW-47, MW-50, MW-51, MW-52, and MW-53).
- Purged and sampled groundwater from 18 monitoring wells (SMW-03, MW-03, MW-32A, MW-33, MW-34, MW-35, MW-36, MW-37, MW-38, MW-40, MW-43, MW-44, MW-45, MW-47, MW-50, MW-51, MW-52, and MW-53) on March 30, 2004.
- Analyzed groundwater samples for TPH-G using Northwest Method NWTPH-Gx, TPH-D and TPH-O using Northwest Method NWTPH-Dx, BTEX using EPA Method 8260B.

WORK PROPOSED FOR NEXT QUARTER [Second - 2004]

- Measure depth to water in 10 monitoring wells (MW-32A, MW-33, MW-34, MW-35, MW-37, MW-45, MW-50, MW-51, MW-52, and MW-53).
- Purge and sample groundwater from 18 monitoring wells (MW-32A, MW-33, MW-34, MW-35, MW-37, MW-45, MW-50, MW-51, MW-52, and MW-53).
- Analyze groundwater samples for TPH-G using Northwest Method NWTPH-Gx, TPH-D and TPH-O using Northwest Method NWTPH-Dx, BTEX using EPA Method 8260B.
- Next sampling event is scheduled for June 2004.

SUMMARY

Frequency of Sampling Events:	<u>Quarterly</u>	(Quarterly, etc.)
Approximate Depth to Groundwater:	<u>8.09 – 12.26</u>	(Measured Feet)
Groundwater Gradient:	<u>Multi-directional</u>	(Direction)
	<u>Varies</u>	(ft/ft)
Maximum Benzene Concentration:	<u>3,060 (MW-34)</u>	(ppb)
Measurable Free Product Detected:	<u>None (sheen in MW-40)</u>	(Yes - ID well(s)/No)
Free Product Recovered This Quarter:	<u>None</u>	(gallons)
Cumulative Free Product Recovered to Date:	<u>43,632</u>	(gallons)
Water Wells or Surface Waters w/in a 2000'	<u>Lake Union</u>	
Radius and Respective Direction:	<u>400 ft North</u>	(Distance and Direction)
Current Remedial Action:	<u>AS/SVE</u>	(SVE/AS/P&T/DVE/ Product Removal/Bio/etc.)
Permits for Discharge:	<u>PSAPCA No. 4397</u>	(NPDES, POTW, etc.)



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DISCUSSION

- TPH-G was detected above the Washington State Model Toxics Control Act (MTCA) Method A cleanup level in groundwater samples collected from Wells MW-3, MW-32A, MW-33, MW-34, MW-50, and MW-53. The maximum TPH-G concentration was detected in groundwater from MW-34 at 15,100 ppb.
- TPH-D was detected above the MTCA Method A cleanup level in groundwater samples collected from Wells MW-3, MW-32A, MW-33, MW-34, MW-40, MW-50, and MW-53. The maximum TPH-D concentration was detected in groundwater from MW-3 at 1,950 ppb.
- TPH-O was detected above the MTCA Method A cleanup level in groundwater samples collected from Wells MW-40 and MW-47. The maximum TPH-D concentration was detected in groundwater from MW-40 at 3,360 ppb. TPH-O had not been detected above the laboratory reporting limit in MW-47 prior to this event. MW-47 is located in the street on Terry Avenue, east of the subject property.
- Benzene was detected above the MTCA Method A cleanup level in groundwater samples collected from Wells MW-3, MW-32A, MW-33, MW-34, MW-37, MW-50, MW-52, and MW-53. The maximum benzene concentration was detected in groundwater from MW-34 at 3,060 ppb.
- Toluene was not detected above the laboratory reporting limit in groundwater samples collected from Wells SMW-3, MW-3, MW-32A, MW-35 through MW-38, MW-40, MW-43 through MW-45, MW-47, and MW-50 through MW-52. Toluene was detected below the MTCA Method A cleanup level in groundwater from Wells MW-33, MW-34, and MW-53, at concentrations ranging from 14.7 ppb to 238 ppb.
- Ethylbenzene was not detected above the laboratory reporting limit in groundwater samples collected from Wells SMW-3, MW-35 through MW-38, MW-40, MW-43 through MW-45, MW-47, and MW-51. Ethylbenzene was detected below the MTCA Method A cleanup level in groundwater sampled from MW-3, MW-32A, MW-33, MW-34, MW-50, MW-52, and MW-53, at concentrations ranging from 18.4 ppb to 564 ppb.
- Total xylenes were not detected above the laboratory reporting limit in groundwater samples collected from Wells SMW-3, MW-35, MW-36, MW-38, MW-40, MW-43 through MW-45, MW-47, and MW-51. Total xylenes were detected above the MTCA Method A cleanup level in groundwater samples collected from MW-3, MW-32A, MW-33, MW-34, MW-37, MW-50, MW-52, and MW-53, at concentrations ranging from 1.53 ppb to 846.6 ppb.
- TPH and BTEX concentrations have decreased significantly with respect to historical levels in Wells MW-3, MW-32A, MW-33, MW-35, MW-37, MW-45, MW-50, MW-51, MW-52, and MW-53. Additionally, free product previously observed in Wells MW-33 and MW-37 has not been observed in the wells since 2002.
- Concentrations of TPH-G, TPH-D, and benzene increased significantly in Well MW-34 with respect to the previous two events. However, the current concentrations are generally consistent with historical values in MW-34.



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LIMITATIONS

The services described in this report were performed in accordance with generally accepted professional consulting principles and practices. No other warranty, either express or implied, is made. These services were performed in accordance with terms established with our client. This report is solely for the use of our client and reliance on any part of this report by a third party is at such party's sole risk.

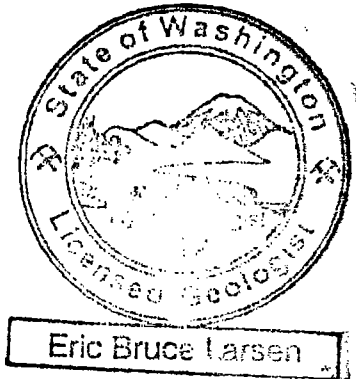
Delta appreciates the opportunity to provide environmental services for ConocoPhillips Company. Please call if you have any questions regarding the contents of this report.

Sincerely,

DELTA ENVIRONMENTAL CONSULTANTS, INC.

Tena Seeds, E.I.T
Project Engineer

Eric Larsen, L.H.G.
Senior Geologist



ATTACHMENTS

- Table 1 – Analytical Results and Groundwater Elevations
- Figure 1 – Site Map with Groundwater Elevation Contours
- Figure 2 – Groundwater Petroleum Hydrocarbon and BTEX Concentrations
- Laboratory Analytical Report and Chain-of-Custody Documentation
- Groundwater Sampling Procedures and Field Sheets

cc: LUST Coordinator, Washington State Dept. of Ecology – Northwest Regional Office, Bellevue, WA

TABLE 1
ANALYTICAL RESULTS AND GROUNDWATER ELEVATIONS

ConocoPhillips Site No. 255353
600 Westlake Avenue N.
Seattle, Washington

Sample I.D. TOC	Sample Date	TPH- Gasoline (µg/l)	TPH- Diesel (µg/l)	TPH- Oil (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl- benzene (µg/l)	Xylenes (µg/l)	DO (mg/l)	DTW (feet)	SPH (feet)	GWE (feet)
SMW-3	03/31/99 ²	<50.0	360	<750	<0.500	<0.500	0.53	4.97	--	9.01	0.00	--
-- ¹	06/30/99 ²	<50.0	639	<750	<0.500	0.61	<0.500	1.32	--	9.55	0.00	--
	12/08/99 ²	<50.0	<484	<1,450	<0.500	<0.500	<0.500	<1.00	--	8.75	0.00	--
	06/20/00 ²	<50.0	<250	<750	<0.500	0.59	<0.500	1.86	--	8.89	0.00	--
	12/19/00	--	--	--	--	--	--	--	--	NM	NM	--
	06/15/01 ²	<50.0	368	<866	<0.500	<0.500	<0.500	<1.00	--	7.23	0.00	--
	06/26/01	--	--	--	--	--	--	--	--	NM	NM	--
	09/07/01 ²	<50.0	385	<571	<0.500	<0.500	<0.500	<1.00	--	9.19	0.00	--
	10/10/01	--	--	--	--	--	--	--	--	NM	NM	--
	12/28/01	<50.0	1,160	<500	<0.500	0.902	<0.500	2.78	--	8.89	0.00	--
	03/08/02	--	--	--	--	--	--	--	--	NM	NM	--
	06/24/02	--	--	--	--	--	--	--	--	NM	NM	--
	09/26/02	<100	<250	<500	1.83	<2.00	<1.00	<1.50	--	10.32	0.00	--
	12/12/02	--	--	--	--	--	--	--	--	NM	NM	--
	03/13/03	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	--	10.99	0.00	--
	06/12/03	--	--	--	--	--	--	--	--	NM	NM	--
	09/19/03	<50.0	<287	<575	<0.500	<0.500	<0.500	<1.00	--	11.00	0.00	--
	01/14/04	--	--	--	--	--	--	--	--	NM	NM	--
	03/30/04	<100	<119	<238	<1	<1	<1	<2	2.10	10.42	0.00	--

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Sample I.D. TOC	Sample Date	TPH- Gasoline (µg/l)	TPH- Diesel (µg/l)	TPH- Oil (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl- benzene (µg/l)	Xylenes (µg/l)	DO (mg/l)	DTW (feet)	SPH (feet)	GWE (feet)
SMW-4	03/31/99	LPH Present							--	8.70	Trace	--
-- ¹	06/30/99	LPH Present							--	8.20	Trace	--
	12/08/99	Inaccessible							--	NM	NM	--
	06/20/00	Inaccessible							--	NM	NM	--
	12/19/00	Inaccessible							--	NM	NM	--
	06/15/01	Inaccessible							--	NM	NM	--
	06/26/01	--	--	--	--	--	--	--	--	NM	NM	--
	09/07/01	Inaccessible							--	NM	NM	--
	10/10/01	--	--	--	--	--	--	--	--	NM	NM	--
	12/28/01	Inaccessible							--	NM	NM	--
	03/08/02	--	--	--	--	--	--	--	--	NM	NM	--
	06/24/02	--	--	--	--	--	--	--	--	NM	NM	--
	09/26/02	--	--	--	--	--	--	--	--	NM	NM	--
	12/12/02	--	--	--	--	--	--	--	--	NM	NM	--
	03/13/03	--	--	--	--	--	--	--	--	9.55	0.00	--
	06/12/03	--	--	--	--	--	--	--	--	NM	NM	--
	09/19/03	--	--	--	--	--	--	--	--	10.58	0.00	--
	01/14/04	Monitoring Discontinued							--	NM	NM	--

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MW-3	10/10/01	14,100	4,060	1,990	1,070	<25.0	1,040	292	--	10.11	0.00	--
-- ¹	12/28/01	3,340	1,810	<500	92.6	4.62	146	51.2	--	9.61	0.00	--
	03/08/02	--	--	--	--	--	--	--	--	NM	NM	--
	06/24/02	--	--	--	--	--	--	--	--	NM	NM	--
	09/26/02 ³	10,500	1,820	<500	326	14.0	685	447	--	10.96	0.00	--
	12/12/02	--	--	--	--	--	--	--	--	NM	NM	--
	03/13/03	17,200	1,440	<595	86.6	38.1	434	798	--	7.87	0.00	--
	06/12/03	--	--	--	--	--	--	--	--	NM	NM	--
	09/19/03	--	--	--	--	--	--	--	--	NM	NM	--
	01/14/04	--	--	--	--	--	--	--	--	NM	NM	--
	03/30/04	3,040	1,950	<285	57.1	<5	24.3	23.57	0.79	9.90	0.00	--

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Sample I.D. TOC	Sample Date	TPH- Gasoline (µg/l)	TPH- Diesel (µg/l)	TPH- Oil (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl- benzene (µg/l)	Xylenes (µg/l)	DO (mg/l)	DTW (feet)	SPH (feet)	GWE (feet)
MW-32A	03/31/99	--	--	--	--	--	--	--	--	10.47	0.00	10.23
20.70	06/30/99	--	--	--	--	--	--	--	--	9.60	0.00	11.10
	12/08/99	--	--	--	--	--	--	--	--	11.07	0.00	9.63
	06/20/00	--	--	--	--	--	--	--	--	11.40	0.00	9.30
	12/19/00 ²	7,010	1,740	<750	4,430	136	438	182	--	10.90	0.00	9.80
	06/15/01 ²	13,700	2,810	<846	2,370	11.2	272	31.1	--	11.31	0.00	9.39
	06/26/01 ²	15,500	1,620	<750	8,780	1,110	1,230	1,020	--	11.85	0.00	8.85
	09/07/01 ²	17,100	4,220	822	5,870	19.9	684	110	--	10.81	0.00	9.89
	10/10/01	--	--	--	--	--	--	--	--	NM	NM	--
	12/28/01	12,200	4,260	711	3,570	180	537	393	--	11.29	0.00	9.41
	03/08/02	16,400	4,140	769	4,900	142	619	247	--	11.49	0.00	9.21
	06/24/02	6,850	2,040	577	2,820	7.43	221	59.1	--	11.56	0.00	9.14
	09/26/02 ³	6,580	3,740	670	1,930	31.4	204	89.7	--	12.88	0.00	7.82
	12/12/02	6,750	3,530	528	1,450	55.6	229	283	--	12.72	0.00	7.98
	03/13/03	13,000	2,550	<581	1,990	222	419	806	--	10.95	0.00	9.75
	06/12/03	17,400	2,730	<500	4,830	200	745	262	--	11.92	0.00	8.78
	09/19/03	1,420	<294	<588	64.2	42.7	7.49	135	--	12.67	0.00	8.03
	01/14/04	1,580	316	<253	28.9	4.13	13.1	32.5	3.1	11.33	0.00	9.37
	03/30/04	7,310	838	<276	18.3	<10	209	122	2.43	12.39	0.00	8.31

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600 Westlake Avenue N.
Seattle, Washington

Sample I.D. TOC	Sample Date	TPH- Gasoline (µg/l)	TPH- Diesel (µg/l)	TPH- Oil (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl- benzene (µg/l)	Xylenes (µg/l)	DO (mg/l)	DTW (feet)	SPH (feet)	GWE (feet)
MW-33	03/31/99	--	--	--	--	--	--	--	--	10.38	0.00	10.37
20.75	06/30/99	--	--	--	--	--	--	--	--	9.52	0.00	11.23
	12/08/99	--	--	--	--	--	--	--	--	10.97	0.00	9.78
	06/20/00	--	--	--	--	--	--	--	--	11.33	0.00	9.42
	12/19/00	Inaccessible							--	NM	NM	--
	06/15/01	LPH Present							--	12.72	2.50	10.03
	06/26/01	--	--	--	--	--	--	--	--	NM	NM	--
	09/07/01	LPH Present							--	NM	0.30	--
	10/10/01	--	--	--	--	--	--	--	--	NM	NM	--
	12/28/01	141,000	25,200	2,680	5,360	32,500	3,410	22,700	--	11.21	0.00	9.54
	03/08/02	126,000	31,400	3,420	2,660	21,600	3,420	24,800	--	11.37	0.00	9.38
	06/24/02	205,000	51,700	14,000	1,510	14,200	3,770	28,900	--	11.36	0.00	9.39
	09/26/02	LPH Present							--	12.45	0.10	8.38
	12/12/02	--	--	--	--	--	--	--	--	12.34	0.00	8.41
	03/13/03	--	--	--	--	--	--	--	--	10.59	0.00	10.16
	06/12/03	30,900	4,170	<562	396	526	474	3,890	--	11.65	Sheen	9.10
	09/19/03	125	<291	<581	0.704	<0.500	<0.500	4.30	--	6.70	0.00	14.05
	01/14/04	524	<135	<271	17	3.7	7.65	31	0.6	12.03	0.00	8.72
	03/30/04	2,680	725	<256	218	14.7	53.2	150.4	1.72	12.49	0.00	8.26

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MW-34	03/31/99 ²	33,400	1,910	<750	5,970	1740	1400	3820	--	10.85	0.00	10.57
21.42	06/30/99 ²	28,500	4,840	984	4,340	1320	1490	3610	--	10.18	0.00	11.24
	12/08/99 ²	62,400	2,500	<1,360	12,900	7440	3240	9210	--	11.33	0.00	10.09
	06/20/00 ²	25,000	<250	<750	6,360	480	2190	3930	--	11.68	0.00	9.74
	12/19/00	--	--	--	--	--	--	--	--	NM	NM	--
	06/15/01 ²	25,800	4,780	<883	5,300	90	1930	2190	--	11.85	0.00	9.57
	06/26/01	--	--	--	--	--	--	--	--	NM	NM	--
	09/07/01 ²	17,800	4,510	722	3,540	44.9	1510	2180	--	11.86	0.00	9.56
	10/10/01	--	--	--	--	--	--	--	--	NM	NM	--
	12/28/01	19,000	8,400	752	5,320	1200	406	1010	--	11.46	0.00	9.96
	03/08/02	59,200	8,550	661	7,200	8610	2190	8200	--	11.70	0.00	9.72
	06/24/02	12,500	4,200	614	2,140	651	659	1160	--	11.91	0.00	9.51
	09/26/02 ³	13,800	6,270	<1,160	5,840	21.8	280	87	--	12.80	0.00	8.62
	12/12/02	14,500	11,000	681	5,130	44.7	333	224	--	12.98	0.00	8.44
	03/13/03	25,600	6,480	<500	6,030	668	775	1130	--	11.67	0.00	9.75
	06/12/03	13,000	2,880	<500	1,590	735	450	1360	--	12.04	0.00	9.38
	09/19/03	351	<301	<602	9.91	11.7	6.48	34.6	--	12.83	0.00	8.59
	01/14/04	160	<122	<245	23.7	<0.5	2.11	<1	0.2	12.00	0.00	9.42
	03/30/04	15,100	1,120	<300	3,060	238	564	846.6	1.68	12.62	0.00	8.80

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MW-35	03/31/99	Obstructed by vehicle							--	NM	NM	--
20.10	06/30/99	Obstructed by vehicle							--	NM	NM	--
	12/08/99	Obstructed by vehicle							--	NM	NM	--
	06/20/00	Obstructed by vehicle							--	NM	NM	--
	12/19/00	Obstructed by vehicle							--	NM	NM	--
	06/15/01	--	--	--	--	--	--	--	--	NM	NM	--
	06/26/01 ²	504	464	<750	11.3	27.5	5.52	28.4	--	10.60	0.00	9.50
	09/04/01 ²	263	903	<564	2.36	<0.500	<0.500	<1.00	--	10.54	0.00	9.56
	10/10/01	--	--	--	--	--	--	--	--	NM	NM	--
	12/28/01	691	1,160	<500	28.7	0.898	14.1	13.2	--	10.54	0.00	9.56
	03/08/02	638	1,100	<500	16.2	0.939	7.05	6.91	--	10.72	0.00	9.38
	06/24/02	Obstructed by vehicle							--	NM	NM	--
	09/26/02b	555	1,420	<500	9.49	<2.00	1.78	<1.50	--	11.90	0.00	8.20
	12/12/02	Obstructed by vehicle							--	NM	NM	--
	03/13/03	13,500	1,430	<500	749	153	791	2,160	--	9.87	0.00	10.23
	06/12/03	3,930	973	<562	338	21.2	49.9	222	--	11.91	0.00	8.19
	09/19/03	517	<373	<746	7.29	4.32	1.86	14.6	--	12.18	0.00	7.92
	01/14/04	614	142	<256	1.45	<0.5	0.657	0.568	0.3	11.33	0.00	8.77
	03/30/04	541	196	<257	<1	<1	<1	<2	1.46	11.69	0.00	8.41

TABLE 1
ANALYTICAL RESULTS AND GROUNDWATER ELEVATIONS

ConocoPhillips Site No. 255353
600 Westlake Avenue N.
Seattle, Washington

Sample I.D. TOC	Sample Date	TPH- Gasoline (µg/l)	TPH- Diesel (µg/l)	TPH- Oil (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl- benzene (µg/l)	Xylenes (µg/l)	DO (mg/l)	DTW (feet)	SPH (feet)	GWE (feet)
MW-36	03/31/99 ²	<50.0	321	<750	0.759	<0.500	<0.500	<1.00	--	8.96	0.00	8.84
17.80	06/30/99 ²	<50.0	<250	<750	1.29	<0.500	<0.500	<1.00	--	8.44	0.00	9.36
	12/08/99 ²	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	--	10.05	0.00	7.75
	06/20/00 ²	172	<250	<750	<0.500	0.583	1.78	11.1	--	8.47	0.00	9.33
	12/19/00 ²	106	<250	<750	0.529	1.51	1.08	7.14	--	9.50	0.00	8.30
	06/15/01 ²	<50.0	298	<750	0.691	0.648	0.530	1.53	--	8.00	0.00	9.80
	06/26/01	--	--	--	--	--	--	--	--	NM	NM	--
	09/07/01 ²	<50.0	<250	<500	0.897	<0.500	<0.500	<1.00	--	8.70	0.00	9.10
	10/10/01	--	--	--	--	--	--	--	--	NM	NM	--
	12/28/01	<50.0	387	<500	0.773	0.748	<0.500	1.78	--	9.57	0.00	8.23
	03/08/02	--	--	--	--	--	--	--	--	NM	NM	--
	06/24/02	--	--	--	--	--	--	--	--	NM	NM	--
	09/26/02	<100	<250	<500	0.735	<2.00	<1.00	<1.50	--	10.16	0.00	7.64
	12/12/02	--	--	--	--	--	--	--	--	NM	NM	--
	03/13/03	<50.0	<250	<500	0.830	<0.500	<0.500	<1.00	--	9.34	0.00	8.46
	06/12/03	--	--	--	--	--	--	--	--	NM	NM	--
	09/19/03	<50.0	<287	<575	1.44	0.561	<0.500	<1.00	--	10.23	0.00	7.57
	01/14/04	--	--	--	--	--	--	--	--	NM	NM	--
	03/30/04	<100	<133	<267	<1	<1	<1	<2	1.10	9.46	0.00	8.34

TABLE 1
ANALYTICAL RESULTS AND GROUNDWATER ELEVATIONS
 ConocoPhillips Site No. 255353
 600 Westlake Avenue N.
 Seattle, Washington

Sample I.D. TOC	Sample Date	TPH- Gasoline (µg/l)	TPH- Diesel (µg/l)	TPH- Oil (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl- benzene (µg/l)	Xylenes (µg/l)	DO (mg/l)	DTW (feet)	SPH (feet)	GWE (feet)
MW-37	03/31/99	LPH Present							--	NM	Trace	--
21.01	06/30/99	LPH Present							--	DRY	0.30	--
	12/08/99	--	--	--	--	--	--	--	--	11.11	--	9.90
	06/20/00	--	--	--	--	--	--	--	--	11.50	--	9.51
	12/19/00	LPH Present							--	11.50	0.50	9.91
	06/15/01 ²	LPH Present							--	11.35	0.03	9.68
	06/26/01	--	--	--	--	--	--	--	--	NM	NM	--
	09/07/01 ²	159,000	22,100	14,600	3,420	12,600	4,440	27,000	--	11.43	0.00	9.58
	10/10/01	--	--	--	--	--	--	--	--	NM	NM	--
	12/28/01 ²	LPH Present							--	11.00	0.20	10.17
	03/08/02	LPH Present							--	11.61	0.40	9.72
	06/24/02	Inaccessible							--	NM	NM	--
	09/26/02	--	--	--	--	--	--	--	--	12.38	0.00	8.63
	12/12/02	--	--	--	--	--	--	--	--	12.35	0.00	8.66
	03/13/03	--	--	--	--	--	--	--	--	11.10	0.00	9.91
	06/12/03	1,450	474	<568	22.9	43.2	15.8	85.5	--	11.61	0.00	9.40
	09/19/03	141	<298	<595	<0.500	<0.500	<0.500	1.01	--	11.95	0.00	9.06
	01/14/04	471	<127	<255	4.56	<0.5	9.01	27.75	0.5	12.12	0.00	8.89
	03/30/04	572	180	<281	5.77	<1	<1	1.53	1.50	12.73	0.00	8.28

TABLE 1
ANALYTICAL RESULTS AND GROUNDWATER ELEVATIONS
 ConocoPhillips Site No. 255353
 600 Westlake Avenue N.
 Seattle, Washington

Sample I.D. TOC	Sample Date	TPH- Gasoline (µg/l)	TPH- Diesel (µg/l)	TPH- Oil (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl- benzene (µg/l)	Xylenes (µg/l)	DO (mg/l)	DTW (feet)	SPH (feet)	GWE (feet)
MW-38	03/31/99	--	--	--	--	--	--	--	--	NM	NM	--
16.52	06/30/99	--	--	--	--	--	--	--	--	NM	NM	--
	12/08/99	--	--	--	--	--	--	--	--	NM	NM	--
	06/20/00	--	--	--	--	--	--	--	--	NM	NM	--
	12/19/00	--	--	--	--	--	--	--	--	NM	NM	--
	06/15/01	--	--	--	--	--	--	--	--	NM	NM	--
	06/26/01	--	--	--	--	--	--	--	--	NM	NM	--
	09/07/01	--	--	--	--	--	--	--	--	NM	NM	--
	10/10/01	--	--	--	--	--	--	--	--	NM	NM	--
	12/28/01	<50.0	403	<500	0.636	1.33	0.554	2.59	--	8.96	0.00	7.56
	03/08/02	--	--	--	--	--	--	--	--	NM	NM	--
	06/24/02	--	--	--	--	--	--	--	--	NM	NM	--
	09/26/02 ³	<100	282	<500	0.743	<2.00	<1.00	<1.50	--	8.87	0.00	7.65
	12/12/02	--	--	--	--	--	--	--	--	NM	NM	--
	03/13/03	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00	--	7.84	0.00	8.68
	06/12/03	--	--	--	--	--	--	--	--	NM	NM	--
	09/19/03	<50.0	<250	<500	0.704	1.42	0.722	3.72	--	8.90	0.00	7.62
	01/14/04	--	--	--	--	--	--	--	--	NM	NM	--
	03/30/04	<100	<133	<266	<1	<1	<1	<2	0.90	8.09	0.00	8.43

TABLE 1
ANALYTICAL RESULTS AND GROUNDWATER ELEVATIONS

ConocoPhillips Site No. 255353
600 Westlake Avenue N.
Seattle, Washington

Sample I.D. TOC	Sample Date	TPH- Gasoline (µg/l)	TPH- Diesel (µg/l)	TPH- Oil (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl- benzene (µg/l)	Xylenes (µg/l)	DO (mg/l)	DTW (feet)	SPH (feet)	GWE (feet)
MW-40	03/31/99	--	--	--	--	--	--	--	--	NM	NM	--
20.89	06/30/99	--	--	--	--	--	--	--	--	NM	NM	--
	12/08/99	--	--	--	--	--	--	--	--	NM	NM	--
	06/20/00	--	--	--	--	--	--	--	--	NM	NM	--
	12/09/00	--	--	--	--	--	--	--	--	NM	NM	--
	12/19/00	--	--	--	--	--	--	--	--	NM	NM	--
	06/15/01	--	--	--	--	--	--	--	--	NM	NM	--
	06/26/01	--	--	--	--	--	--	--	--	NM	NM	--
	09/07/01	--	--	--	--	--	--	--	--	NM	NM	--
	10/10/01	--	--	--	--	--	--	--	--	NM	NM	--
	12/28/01	449	4,000	5,090	2.12	2.19	1.38	3.88	--	10.75	0.00	10.14
	03/08/02	--	--	--	--	--	--	--	--	NM	NM	--
	06/24/02	--	--	--	--	--	--	--	--	NM	NM	--
	09/26/02	331	2,810	3,470	1.92	<2.00	<1.00	<1.50	--	12.69	0.00	8.20
	12/12/02	--	--	--	--	--	--	--	--	NM	NM	--
	03/13/03	509	2,010	2,010	<0.500	<0.500	0.630	1.77	--	11.30	0.00	9.59
	06/12/03	--	--	--	--	--	--	--	--	NM	NM	--
	09/19/03	259	393	1,120	2.64	3.01	1.39	6.77	--	12.46	0.00	8.43
	01/14/04	--	--	--	--	--	--	--	--	NM	NM	--
	03/30/04	627	863	3,360	3.69	<1	<1	<2	1.71	11.55	sheen	9.34

TABLE 1
ANALYTICAL RESULTS AND GROUNDWATER ELEVATIONS

ConocoPhillips Site No. 255353
600 Westlake Avenue N.
Seattle, Washington

Sample I.D. TOC	Sample Date	TPH- Gasoline (µg/l)	TPH- Diesel (µg/l)	TPH- Oil (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl- benzene (µg/l)	Xylenes (µg/l)	DO (mg/l)	DTW (feet)	SPH (feet)	GWE (feet)
MW-42	03/31/99	--	--	--	--	--	--	--	--	9.00	0.00	11.34
20.34	06/30/99	--	--	--	--	--	--	--	--	8.60	0.00	11.74
	12/08/99	--	--	--	--	--	--	--	--	8.00	0.00	12.34
	06/20/00	--	--	--	--	--	--	--	--	NM	NM	--
	12/19/00	--	--	--	--	--	--	--	--	NM	NM	--
	06/15/01	--	--	--	--	--	--	--	--	9.41	0.00	10.93
	06/26/01	--	--	--	--	--	--	--	--	NM	NM	--
	09/07/01	--	--	--	--	--	--	--	--	9.66	0.00	10.68
	10/10/01	--	--	--	--	--	--	--	--	NM	NM	--
	12/28/01	--	--	--	--	--	--	--	--	10.28	0.00	10.06
	03/08/02	--	--	--	--	--	--	--	--	9.75	0.00	10.59
	06/24/02	--	--	--	--	--	--	--	--	NM	NM	--
	09/26/02	--	--	--	--	--	--	--	--	10.81	0.00	9.53
	12/12/02	--	--	--	--	--	--	--	--	10.89	0.00	9.45
	03/13/03	--	--	--	--	--	--	--	--	9.77	0.00	10.57
	06/12/03	Monitoring Discontinued							--	NM	NM	--

TABLE 1
ANALYTICAL RESULTS AND GROUNDWATER ELEVATIONS
 ConocoPhillips Site No. 255353
 600 Westlake Avenue N.
 Seattle, Washington

Sample I.D. TOC	Sample Date	TPH- Gasoline (µg/l)	TPH- Diesel (µg/l)	TPH- Oil (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl- benzene (µg/l)	Xylenes (µg/l)	DO (mg/l)	DTW (feet)	SPH (feet)	GWE (feet)
MW-43	03/31/99 ²	<50.0	267	<750	9.84	<0.500	0.782	2.47	--	10.97	0.00	10.07
21.04	06/30/99 ²	146	253	<750	28.2	7.47	2.95	17.5	--	9.97	0.00	11.07
	12/08/99 ²	<50.0	<250	<750	20.5	<0.500	<0.500	<1.00	--	11.06	0.00	9.98
	06/20/00 ²	<50.0	<250	<750	3.79	<0.500	<0.500	<1.00	--	11.40	0.00	9.64
	12/19/00 ²	55.9	253	<749	2.97	0.948	0.730	4.78	--	11.40	0.00	9.64
	06/15/01 ²	<50.0	405	<750	0.670	<0.500	<0.500	1.22	--	11.32	0.00	9.72
	06/26/01	--	--	--	--	--	--	--	--	NM	NM	--
	09/07/01 ²	<50.0	<293	<587	<0.500	<0.500	<0.500	<1.00	--	11.46	0.00	9.58
	10/10/01	--	--	--	--	--	--	--	--	NM	NM	--
	12/28/01	52	487	<500	5.61	1.18	0.558	3.34	--	11.17	0.00	9.87
	03/08/02	--	--	--	--	--	--	--	--	NM	NM	--
	06/24/02	--	--	--	--	--	--	--	--	NM	NM	--
	09/26/02 ³	<100	303.00	<500	0.669	<2.00	<1.00	<1.50	--	12.28	0.00	8.76
	12/12/02	--	--	--	--	--	--	--	--	NM	NM	--
	03/13/03	<50.0	<321	<641	0.883	<0.500	<0.500	<1.00	--	11.20	0.00	9.84
	06/12/03	--	--	--	--	--	--	--	--	NM	NM	--
	09/19/03	<50.0	<291	<581	1.76	<0.500	<0.500	<1.00	--	12.37	0.00	8.67
	01/14/04	--	--	--	--	--	--	--	--	NM	NM	--
	03/30/04	<100	<129	<258	<1	<1	<1	<2	1.76	11.95	0.00	9.09

TABLE 1
ANALYTICAL RESULTS AND GROUNDWATER ELEVATIONS
 ConocoPhillips Site No. 255353
 600 Westlake Avenue N.
 Seattle, Washington

Sample I.D. TOC	Sample Date	TPH- Gasoline (µg/l)	TPH- Diesel (µg/l)	TPH- Oil (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl- benzene (µg/l)	Xylenes (µg/l)	DO (mg/l)	DTW (feet)	SPH (feet)	GWE (feet)
MW-44	03/31/99 ²	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	--	8.18	0.00	10.55
18.73	06/30/99 ²	<50.0	393	<750	<0.500	0.619	<0.500	1.21	--	8.03	0.00	10.70
	12/08/99 ²	<50.0	281	<750	<0.500	<0.500	<0.500	<1.00	--	8.52	0.00	10.21
	06/20/00 ²	<50.0	<250	<750	<0.500	<0.500	<0.500	<1.00	--	9.53	0.00	9.20
	12/19/00 ²	301	330	<750	<0.500	1.64	2.76	22.1	--	9.20	0.00	9.53
	06/15/01 ²	<50.0	468	<841	<0.500	<0.500	<0.500	<1.00	--	8.44	0.00	10.29
	06/26/01	--	--	--	--	--	--	--	--	NM	NM	--
	09/07/01 ²	10,300	4,250	849	1,050	6.97	945	51.0	--	9.48	0.00	9.25
	10/10/01	--	--	--	--	--	--	--	--	NM	NM	--
	12/28/01	90.6	823	<500	10.9	1.40	0.644	4.04	--	9.31	0.00	9.42
	03/08/02	--	--	--	--	--	--	--	--	NM	NM	--
	06/24/02	--	--	--	--	--	--	--	--	NM	NM	--
	09/26/02 ³	<100	1,600	569	14.2	<2.00	<1.00	<1.50	--	10.79	0.00	7.94
	12/12/02	--	--	--	--	--	--	--	--	NM	NM	--
	03/13/03	196	347	<575	26.8	<0.500	<0.500	<1.00	--	11.58	0.00	7.15
	06/12/03	--	--	--	--	--	--	--	--	NM	NM	--
	09/19/03	156	<301	<602	20.2	0.997	<0.500	2.61	--	10.97	0.00	7.76
	01/14/04	--	--	--	--	--	--	--	--	NM	NM	--
	03/30/04	<100	<134	<268	<1	<1	<1	<2	1.90	10.01	0.00	8.72

TABLE 1
ANALYTICAL RESULTS AND GROUNDWATER ELEVATIONS

ConocoPhillips Site No. 255353
600 Westlake Avenue N.
Seattle, Washington

Sample I.D. TOC	Sample Date	TPH- Gasoline (µg/l)	TPH- Diesel (µg/l)	TPH- Oil (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl- benzene (µg/l)	Xylenes (µg/l)	DO (mg/l)	DTW (feet)	SPH (feet)	GWE (feet)
MW-45	09/07/01 ²	<50.0	375	<606	<0.500	<0.500	<0.500	<1.00	--	9.80	0.00	--
-- ¹	10/10/01	--	--	--	--	--	--	--	--	NM	NM	--
	12/28/01	17,300	2,210	597	2,130	73.4	1330	2,970	--	9.03	0.00	--
	03/08/02	15,500	2,380	686	2,090	38.4	1190	1,650	--	9.12	0.00	--
	06/24/02	5,100	1,920	761	1,330	6.39	451	235	--	9.00	0.00	--
	09/26/02 ³	2,420	1,190	547	394	3.41	204	106	--	10.20	0.00	--
	12/12/02	Obstructed by vehicle							--	NM	NM	--
	03/13/03	3,590	2,050	<500	219	133	99.4	368	--	8.05	0.00	--
	06/12/03	10,700	1,470	<575	1,350	10.8	954	631	--	9.16	0.00	--
	09/19/03	583	<298	<595	1.93	2.25	5.65	38.6	--	10.68	0.00	--
	01/14/04	360	<118	<236	4.97	<0.5	2.48	1.01	0.4	10.12	0.00	--
	03/30/04	303	234	<240	<1	<1	<1	<2	0.84	10.19	0.00	--

TABLE 1
ANALYTICAL RESULTS AND GROUNDWATER ELEVATIONS

ConocoPhillips Site No. 255353
600 Westlake Avenue N.
Seattle, Washington

Sample I.D. TOC	Sample Date	TPH- Gasoline (µg/l)	TPH- Diesel (µg/l)	TPH- Oil (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl- benzene (µg/l)	Xylenes (µg/l)	DO (mg/l)	DTW (feet)	SPH (feet)	GWE (feet)
MW-46	03/31/99	--	--	--	--	--	--	--	--	NM	NM	--
16.91	06/30/99	--	--	--	--	--	--	--	--	NM	NM	--
	12/08/99	--	--	--	--	--	--	--	--	NM	NM	--
	06/20/00	--	--	--	--	--	--	--	--	NM	NM	--
	12/19/00	226	277	<750	<0.500	2.18	2.53	18.0	--	12.70	0.00	4.21
	06/15/01 ²	<50.0	295	<750	<0.500	<0.500	<0.500	1.39	--	7.19	0.00	9.72
	06/26/01	--	--	--	--	--	--	--	--	NM	NM	--
	09/07/01	--	--	--	--	--	--	--	--	NM	NM	--
	10/10/01	--	--	--	--	--	--	--	--	NM	NM	--
	12/28/01	Covered by asphalt							--	NM	NM	--
	03/08/02	--	--	--	--	--	--	--	--	NM	NM	--
	06/24/02	--	--	--	--	--	--	--	--	NM	NM	--
	09/26/02	Unable to locate							--	NM	NM	--
	12/12/02	--	--	--	--	--	--	--	--	NM	NM	--
	03/13/03	Covered by asphalt							--	NM	NM	--
	06/12/03	--	--	--	--	--	--	--	--	NM	NM	--
	09/19/03	Covered by asphalt							--	NM	NM	--
	01/14/04	Monitoring Discontinued							--	NM	NM	--

TABLE 1
ANALYTICAL RESULTS AND GROUNDWATER ELEVATIONS
 ConocoPhillips Site No. 255353
 600 Westlake Avenue N.
 Seattle, Washington

Sample I.D. TOC	Sample Date	TPH- Gasoline (µg/l)	TPH- Diesel (µg/l)	TPH- Oil (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl- benzene (µg/l)	Xylenes (µg/l)	DO (mg/l)	DTW (feet)	SPH (feet)	GWE (feet)
MW-47	03/31/99	--	--	--	--	--	--	--	--	9.65	0.00	10.18
19.83	06/30/99	--	--	--	--	--	--	--	--	NM	NM	--
	12/08/99	--	--	--	--	--	--	--	--	NM	NM	--
	06/20/00 ²	<50.0	<250	<750	<1.30	<0.500	<0.500	<1.00	--	10.94	0.00	8.89
	12/19/00 ²	1,310	357	<750	<0.500	6.10	10.6	77.3	--	11.20	0.00	8.63
	06/15/01	<50.0	591	<952	0.709	0.504	<0.500	1.18	--	10.98	0.00	8.85
	06/26/01	--	--	--	--	--	--	--	--	NM	NM	--
	09/07/01 ²	<50.0	356	<500	<0.500	<0.500	<0.500	<1.00	--	11.14	0.00	8.69
	10/10/01	--	--	--	--	--	--	--	--	NM	NM	--
	12/28/01	181	542	<500	7.64	1.49	4.79	37.8	--	10.90	0.00	8.93
	03/08/02	--	--	--	--	--	--	--	--	NM	NM	--
	06/24/02	--	--	--	--	--	--	--	--	NM	NM	--
	09/26/02 ³	106	747	<500	2.36	<2.00	<1.00	<1.50	--	11.85	0.00	7.98
	12/12/02	--	--	--	--	--	--	--	--	NM	NM	--
	03/13/03	75.5	<284	<568	<0.500	<0.500	<0.500	<1.00	--	10.91	0.00	8.92
	06/12/03	--	--	--	--	--	--	--	--	NM	NM	--
	09/19/03	76.8	<294	<588	3.41	<0.500	<0.500	1.14	--	12.05	0.00	7.78
	01/14/04	--	--	--	--	--	--	--	--	NM	NM	--
	03/30/04	272	262	980	<1	<1	<1	<2	1.21	11.81	0.00	8.02

TABLE 1
ANALYTICAL RESULTS AND GROUNDWATER ELEVATIONS
 ConocoPhillips Site No. 255353
 600 Westlake Avenue N.
 Seattle, Washington

Sample I.D. TOC	Sample Date	TPH- Gasoline (µg/l)	TPH- Diesel (µg/l)	TPH- Oil (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl- benzene (µg/l)	Xylenes (µg/l)	DO (mg/l)	DTW (feet)	SPH (feet)	GWE (feet)
MW-50	10/10/01	8,970	2,200	<606	674	221	382	779	--	11.11	0.00	--
-- ¹	12/28/01	23,200	3,460	<500	1,630	3,690	991	4,480	--	10.45	0.00	--
	03/08/02	Obstructed by vehicle							--	NM	NM	--
	06/24/02	8,290	1,970	556	414	23	314	2,010	--	10.84	0.00	--
	09/26/02	Obstructed by vehicle							--	NM	NM	--
	12/12/02	Obstructed by vehicle							--	NM	NM	--
	03/13/03	12,200	1,810	<588	733	127	523	1,100	--	9.93	0.00	--
	06/12/03	6,450	1,740	<500	448	13.7	299	286	--	11.27	0.00	--
	09/19/03	4,440	<250	<500	51.7	315	26.1	462	--	12.05	0.00	--
	01/14/04	29,700	1,970	<258	308	502	312	6,180	4.1	11.81	0.00	--
	03/30/04	3,330	867	<241	21.8	<5	21.9	226.4	1.69	11.65	0.00	--
MW-51	10/10/01	671	11,700	2,150	10.1	10.4	7.75	16.6	--	11.68	0.00	--
-- ¹	12/28/01	631	2,170	3,100	37.0	75.6	30.4	81.2	--	11.20	0.00	--
	03/08/02	102	2,350	1,610	6.22	5.89	3.84	10.4	--	11.38	0.00	--
	06/24/02	57.7	2,650	1,730	1.28	1.42	0.699	2.51	--	11.60	0.00	--
	09/26/02 ³	<100	1,660	875	0.848	<2.00	<1.00	<1.50	--	12.18	0.00	--
	12/12/02	<50.0	2,050	781	<0.500	<0.500	<0.500	<1.00	--	12.28	0.00	--
	03/13/03	<50.0	693	<625	<0.500	<0.500	<0.500	<1.00	--	11.05	0.00	--
	06/12/03	--	--	--	--	--	--	--	--	NM	NM	--
	09/19/03	52.4	<250	<500	1.47	1.81	0.544	3.59	--	12.42	0.00	--
	01/14/04	73.5	<139	<278	<0.25	0.804	<0.5	<1	0.4	11.79	0.00	--
	03/30/04	<100	404	401	<1	<1	<1	<2	1.56	12.22	0.00	--

TABLE 1
ANALYTICAL RESULTS AND GROUNDWATER ELEVATIONS

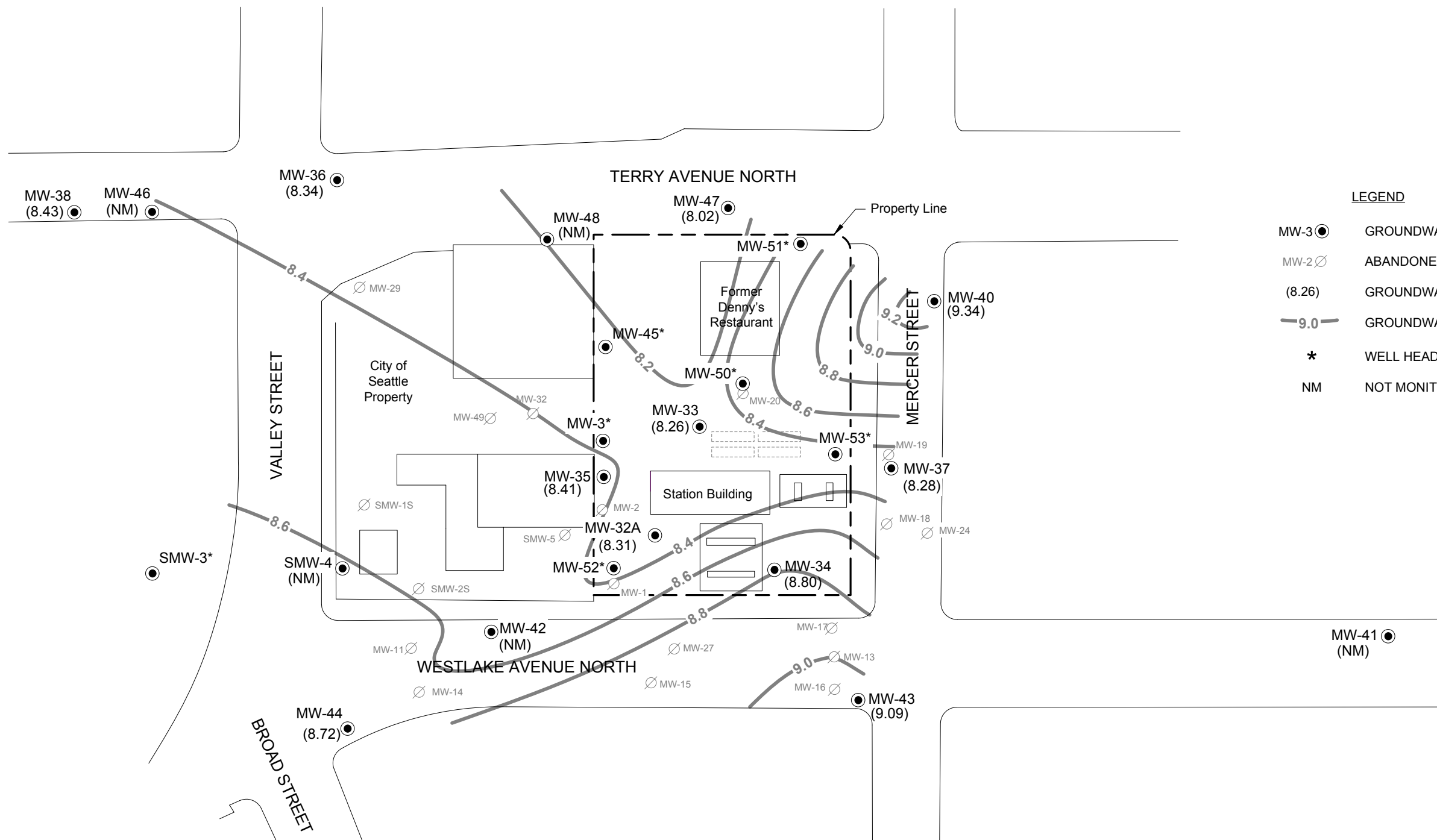
ConocoPhillips Site No. 255353
600 Westlake Avenue N.
Seattle, Washington

Sample I.D. TOC	Sample Date	TPH- Gasoline (µg/l)	TPH- Diesel (µg/l)	TPH- Oil (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl- benzene (µg/l)	Xylenes (µg/l)	DO (mg/l)	DTW (feet)	SPH (feet)	GWE (feet)
MW-52	10/10/01	13,400	1,460	<582	1,150	<10.0	827	793	--	10.79	0.00	--
-- ¹	12/28/01	7,900	1,690	595	634	5.87	509	479	--	10.22	0.00	--
	03/08/02	10,100	2,790	<602	814	6.30	602	387	--	10.42	0.00	--
	06/24/02	9,820	2,810	640	1,250	<25.0	757	448	--	10.58	0.00	--
	09/26/02 ³	6,600	3,530	<500	943	21.7	600	284	--	11.51	0.00	--
	12/12/02	1,170	7,350	638	120	0.822	73.9	7.30	--	11.61	0.00	--
	03/13/03	4,540	1,530	<568	272	52.7	236	210	--	9.59	0.00	--
	06/12/03	--	--	--	--	--	--	--	--	NM	NM	--
	09/19/03	Obstructed by vehicle							--	NM	NM	--
	01/14/04	905	<126	<252	16.6	0.532	39.6	2.45	0.3	11.00	0.00	--
	03/30/04	738	462	<253	16.8	<1	18.4	24.66	1.31	11.47	0.00	--
MW-53	03/13/03	14,000	1,030	<625	398	143	501	1,170	--	11.17	0.00	--
-- ¹	06/12/03	9,700	1,370	<500	553	197	431	1,270	--	12.05	0.00	--
	09/19/03	1,470	<250	<500	29.3	6.61	28.5	111	--	12.85	0.00	--
	01/14/04	2,770	181	<264	173	3.79	91.7	127.1	0.4	11.70	0.00	--
	03/30/04	3,580	686	<237	257	49.7	125	204.8	1.28	12.26	0.00	--

**TABLE 1
ANALYTICAL RESULTS AND GROUNDWATER ELEVATIONS**

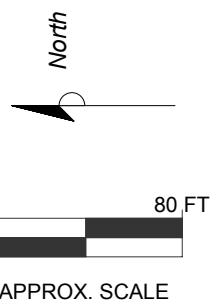
ConocoPhillips Site No. 255353
600 Westlake Avenue N.
Seattle, Washington

Sample I.D. TOC	Sample Date	TPH- Gasoline (µg/l)	TPH- Diesel (µg/l)	TPH- Oil (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl- benzene (µg/l)	Xylenes (µg/l)	DO (mg/l)	DTW (feet)	SPH (feet)	GWE (feet)
MTCA Method A Cleanup Levels:		800⁴	500	500	5	1000	700	1000	-	-	-	-
<p>Notes: µg/l = micrograms per liter TOC = Top of casing elevation, provided by previous consultants DTW = Depth to water SPH = Separate-phase hydrocarbon thickness GWE = Groundwater table elevation relative to DTW data; corrected for SPH where applicable using a specific gravity of 0.80 <n = Below the detection limit "--" = Not analyzed, sampled, or reported NM = Not Measured TPH as Gasoline - Analysis by Northwest Method NWTPH-Gx TPH as Diesel and Oil - Analysis by Northwest Method NWTPH-Dx BTEX Compounds - Analysis by EPA Method 8020A, 8021B or 8260B ¹ Top of casing elevations for SM-W3, MW-3, MW-45, and MW-50 through MW-53 have not been established. ² Well was not purged prior to sample collection. ³ TPH-D & TPH-O did not resemble chromatogram used for quantitation. ⁴ MTCA Method A Cleanup Level for TPH-Gasoline is 1,000 µg/l if benzene is not detectable in groundwater.</p>												



LEGEND

- MW-3 ● GROUNDWATER MONITORING WELL
- MW-2 ∅ ABANDONED OR DESTROYED GROUNDWATER MONITORING WELL
- (8.26) GROUNDWATER ELEVATION, MARCH 30, 2004
- 9.0— GROUNDWATER ELEVATION CONTOUR, MARCH 30, 2004
- * WELL HEAD HAS NOT BEEN SURVEYED
- NM NOT MONITORED / NOT MEASURED



<p>FIGURE 1</p> <p>SITE MAP WITH GROUNDWATER ELEVATION CONTOURS</p> <p>CONOCOPHILLIPS SITE NO. 255353 600 WESTLAKE AVENUE NORTH SEATTLE, WASHINGTON</p>	
<p>PROJECT NO. WA25-535-1</p> <p>FILE NO. WA25-535-1</p> <p>REVISION NO. 0</p>	<p>DRAWN BY TS 4/27/04</p> <p>PREPARED BY TS 4/27/04</p> <p>REVIEWED BY EL</p>
<p>Delta Environmental Consultants, Inc.</p>	

BASED ON MAPS PROVIDED BY GEOENGINEERS, INC. AND ENVIRONMENTAL RESOLUTIONS, INC.

MW-38	G	D	O	B	T	E	X
03/13/03	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00
06/12/03	--	--	--	--	--	--	--
09/19/03	<50.0	<250	<500	0.704	1.42	0.722	3.72
01/14/04	--	--	--	--	--	--	--
03/30/04	<100	<133	<266	<1	<1	<1	<2

MW-47	G	D	O	B	T	E	X
03/13/03	75.5	<284	<568	<0.500	<0.500	<0.500	<1.00
06/12/03	--	--	--	--	--	--	--
09/19/03	76.8	<294	<588	3.41	<0.500	<0.500	1.14
01/14/04	--	--	--	--	--	--	--
03/30/04	272	262	980	<1	<1	<1	<2

MW-36	G	D	O	B	T	E	X
03/13/03	<50.0	<250	<500	0.830	<0.500	<0.500	<1.00
06/12/03	--	--	--	--	--	--	--
09/19/03	<50.0	<287	<575	1.44	0.561	<0.500	<1.00
01/14/04	--	--	--	--	--	--	--
03/30/04	<100	<133	<267	<1	<1	<1	<2

MW-45	G	D	O	B	T	E	X
03/13/03	3,590	2,050	<500	219	133	99.4	368
06/12/03	10,700	1,470	<575	1,350	10.8	954	631
09/19/03	583	<298	<595	1.93	2.25	5.65	38.6
01/14/04	360	<118	<236	4.97	<0.5	2.48	1.01
03/30/04	303	234	<240	<1	<1	<1	<2

MW-51	G	D	O	B	T	E	X
03/13/03	<50.0	693	<625	<0.500	<0.500	<0.500	<1.00
06/12/03	--	--	--	--	--	--	--
09/19/03	52.4	<250	<500	1.47	1.81	0.544	3.59
01/14/04	73.5	<139	<278	<0.25	0.804	<0.5	<1
03/30/04	<100	404	401	<1	<1	<1	<2

MW-3	G	D	O	B	T	E	X
03/13/03	17,200	1,440	<595	86.6	38.1	434	798
06/12/03	--	--	--	--	--	--	--
09/19/03	--	--	--	--	--	--	--
01/14/04	--	--	--	--	--	--	--
03/30/04	3,040	1,950	<285	57.1	<5	24.3	23.57

MW-35	G	D	O	B	T	E	X
03/13/03	13,500	1,430	<500	749	153	791	2,160
06/12/03	3,930	973	<562	338	21.2	49.9	222
09/19/03	517	<373	<746	7.29	4.32	1.86	14.6
01/14/04	614	142	<256	1.45	<0.5	0.657	0.568
03/30/04	541	196	<257	<1	<1	<1	<2

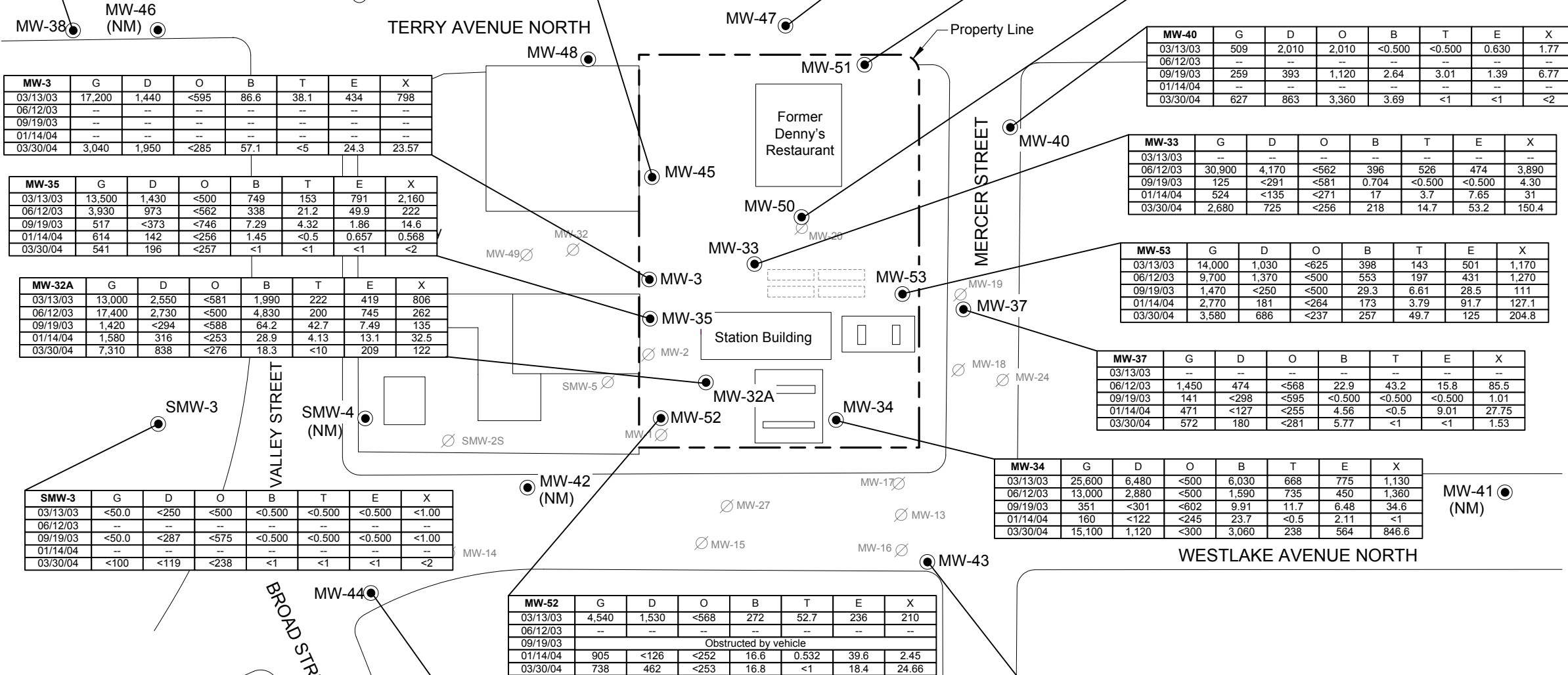
SMW-3	G	D	O	B	T	E	X
03/13/03	13,000	2,550	<581	1,990	222	419	806
06/12/03	17,400	2,730	<500	4,830	200	745	262
09/19/03	1,420	<294	<588	64.2	42.7	7.49	135
01/14/04	1,580	316	<253	28.9	4.13	13.1	32.5
03/30/04	7,310	838	<276	18.3	<10	209	122

SMW-3	G	D	O	B	T	E	X
03/13/03	<50.0	<250	<500	<0.500	<0.500	<0.500	<1.00
06/12/03	--	--	--	--	--	--	--
09/19/03	<50.0	<287	<575	<0.500	<0.500	<0.500	<1.00
01/14/04	--	--	--	--	--	--	--
03/30/04	<100	<119	<238	<1	<1	<1	<2

MW-44	G	D	O	B	T	E	X
03/13/03	196	347	<575	26.8	<0.500	<0.500	<1.00
06/12/03	--	--	--	--	--	--	--
09/19/03	156	<301	<602	20.2	0.997	<0.500	2.61
01/14/04	--	--	--	--	--	--	--
03/30/04	<100	<134	<268	<1	<1	<1	<2

MW-52	G	D	O	B	T	E	X
03/13/03	4,540	1,530	<568	272	52.7	236	210
06/12/03	--	--	--	--	--	--	--
09/19/03	Obstructed by vehicle						
01/14/04	905	<126	<252	16.6	0.532	39.6	2.45
03/30/04	738	462	<253	16.8	<1	18.4	24.66

MW-43	G	D	O	B	T	E	X
03/13/03	<50.0	<321	<641	0.883	<0.500	<0.500	<1.00
06/12/03	--	--	--	--	--	--	--
09/19/03	<50.0	<291	<581	1.76	<0.500	<0.500	<1.00
01/14/04	--	--	--	--	--	--	--
03/30/04	<100	<129	<258	<1	<1	<1	<2



LEGEND	
MW-3 ●	GROUNDWATER MONITORING WELL
MW-2 ⌀	ABANDONED OR DESTROYED GROUNDWATER MONITORING WELL
(NM)	NOT MONITORED
G	GASOLINE RANGE HYDROCARBONS (g/l)
D	DIESEL RANGE HYDROCARBONS (g/l)
O	OIL RANGE HYDROCARBONS (g/l)
B	BENZENE (g/l)
T	TOLUENE (g/l)
E	ETHYLBENZENE (g/l)
X	XYLENES (g/l)
<80.0	ANALYTE NOT DETECTED AT OR ABOVE THE LABORATORY REPORTING LIMIT OF 80.0 g/l
--	NOT MEASURED OR ANALYZED

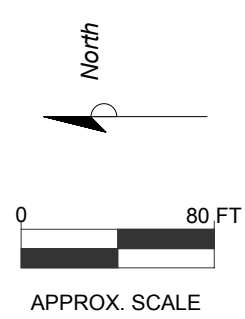


FIGURE 2
GROUNDWATER PETROLEUM HYDROCARBON AND
BTEX CONCENTRATIONS
CONOCOPHILLIPS SITE NO. 255353
600 WESTLAKE AVENUE NORTH
SEATTLE, WASHINGTON

PROJECT NO. WA25-535-1	DRAWN BY TS 4/27/04
FILE NO. WA25-535-1	PREPARED BY TS 4/27/04
REVISION NO. 0	REVIEWED BY EL

**LABORATORY ANALYTICAL REPORT AND CHAIN-OF-CUSTODY
DOCUMENTATION**

Quarterly Groundwater Sampling
ConocoPhillips Site No. 255353



STL

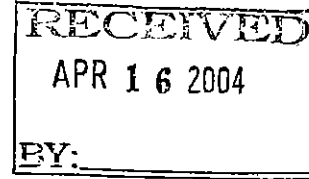
STL Seattle
5755 8th Street East
Tacoma, WA 98424

Tel: 253 922 2310
Fax: 253 922 5047
www.stl-inc.com

TRANSMITTAL MEMORANDUM

DATE: April 13, 2004

TO: Eric Larsen
Delta Environmental
17720 NE 65th Street Ste 201
Redmond, WA 98052



PROJECT: 600 Westlake - 255353

REPORT NUMBER: 120334

TOTAL NUMBER OF PAGES: 48

Enclosed are the test results for nineteen samples received at STL Seattle on March 31, 2004.

The report consists of this transmittal memo, analytical results, quality control reports, a copy of the chain-of-custody, a list of data qualifiers and analytical narrative when applicable, and a copy of any requested raw data.

Should there be any questions regarding this report, please contact me at (253) 922-2310.

Sincerely,

Tom Coyner
Project Manager

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STL Seattle

Sample Identification:

<u>Lab. No.</u>	<u>Client ID</u>	<u>Date/Time Sampled</u>	<u>Matrix</u>
120334-1	SMW-03 MSMSD	03-30-04 15:15	Liquid
120334-2	MW-03	03-30-04 11:45	Liquid
120334-3	MW-32A	03-30-04 13:30	Liquid
120334-4	MW-33	03-30-04 10:10	Liquid
120334-5	MW-34	03-30-04 14:00	Liquid
120334-6	MW-35	03-30-04 10:30	Liquid
120334-7	MW-36	03-30-04 12:35	Liquid
120334-8	MW-37	03-30-04 09:50	Liquid
120334-9	MW-38	03-30-04 13:00	Liquid
120334-10	MW-40	03-30-04 10:40	Liquid
120334-11	MW-43	03-30-04 14:35	Liquid
120334-12	MW-44	03-30-04 11:35	Liquid
120334-13	MW-45	03-30-04 12:00	Liquid
120334-14	MW-47	03-30-04 12:15	Liquid
120334-15	MW-50	03-30-04 10:45	Liquid
120334-16	MW-51	03-30-04 11:05	Liquid
120334-17	MW-52	03-30-04 13:45	Liquid
120334-18	MW-53	03-30-04 14:15	Liquid
120334-19	Dup-01	03-30-04 12:45	Liquid

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00002

STL Seattle

Client Name	Delta Environmental
Client ID:	SMW-03 MSMSD
Lab ID:	120334-01
Date Received:	3/31/2004
Date Prepared:	4/2/2004
Date Analyzed:	4/7/2004
% Solids	-
Dilution Factor	1

Diesel and Motor Oil by NWTPH-Dx Modified with Silica Gel Cleanup

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
o-terphenyl	98.8		50	150

Analyte	Result (mg/L)	PQL	MRL	Flags
#2 Diesel	ND	0.238	0.119	
Motor Oil	ND	0.475	0.238	

STL Seattle

Client Name	Delta Environmental
Client ID:	MW-03
Lab ID:	120334-02
Date Received:	3/31/2004
Date Prepared:	4/2/2004
Date Analyzed:	4/7/2004
% Solids	-
Dilution Factor	1

Diesel and Motor Oil by NWTPH-Dx Modified with Silica Gel Cleanup

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
o-terphenyl	107		50	150

Analyte	Result (mg/L)	PQL	MRL	Flags
#2 Diesel	1.95	0.285	0.143	X1
Motor Oil	ND	0.57	0.285	

X1 - Chromatogram suggests this might be jet fuel, kerosene or similar product

STL Seattle

Client Name	Delta Environmental
Client ID:	MW-32A
Lab ID:	120334-03
Date Received:	3/31/2004
Date Prepared:	4/2/2004
Date Analyzed:	4/7/2004
% Solids	-
Dilution Factor	1

Diesel and Motor Oil by NWTPH-Dx Modified with Silica Gel Cleanup

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
o-terphenyl	92.3		50	150

Analyte	Result (mg/L)	PQL	MRL	Flags
#2 Diesel	0.838	0.276	0.138	X1
Motor Oil	ND	0.552	0.276	

X1 - Chromatogram suggests this might be jet fuel, kerosene or similar product

STL Seattle

Client Name	Delta Environmental
Client ID:	MW-33
Lab ID:	120334-04
Date Received:	3/31/2004
Date Prepared:	4/2/2004
Date Analyzed:	4/7/2004
% Solids	-
Dilution Factor	1

Diesel and Motor Oil by NWTPH-Dx Modified with Silica Gel Cleanup

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
o-terphenyl	103		50	150

Analyte	Result (mg/L)	PQL	MRL	Flags
#2 Diesel	0.725	0.256	0.128	X1
Motor Oil	ND	0.512	0.256	

X1 - Chromatogram suggests this might be jet fuel, kerosene or similar product

STL Seattle

Client Name	Delta Environmental
Client ID:	MW-34
Lab ID:	120334-05
Date Received:	3/31/2004
Date Prepared:	4/2/2004
Date Analyzed:	4/7/2004
% Solids	-
Dilution Factor	1

Diesel and Motor Oil by NWTPH-Dx Modified with Silica Gel Cleanup

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
o-terphenyl	96		50	150

Analyte	Result (mg/L)	PQL	MRL	Flags
#2 Diesel	1.12	0.3	0.15	X1
Motor Oil	ND	0.6	0.3	

X1 - Chromatogram suggests this might be jet fuel, kerosene or similar product

STL Seattle

Client Name	Delta Environmental
Client ID:	MW-35
Lab ID:	120334-06
Date Received:	3/31/2004
Date Prepared:	4/2/2004
Date Analyzed:	4/7/2004
% Solids	-
Dilution Factor	1

Diesel and Motor Oil by NWTPH-Dx Modified with Silica Gel Cleanup

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
o-terphenyl	98.5		50	150

Analyte	Result (mg/L)	PQL	MRL	Flags
#2 Diesel	0.196	0.257	0.129	J
Motor Oil	ND	0.515	0.257	

STL Seattle

Client Name	Delta Environmental
Client ID:	MW-36
Lab ID:	120334-07
Date Received:	3/31/2004
Date Prepared:	4/2/2004
Date Analyzed:	4/7/2004
% Solids	-
Dilution Factor	1

Diesel and Motor Oil by NWTPH-Dx Modified with Silica Gel Cleanup

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
o-terphenyl	97.7		50	150

Analyte	Result (mg/L)	PQL	MRL	Flags
#2 Diesel	ND	0.267	0.133	
Motor Oil	ND	0.533	0.267	

STL Seattle

Client Name	Delta Environmental
Client ID:	MW-37
Lab ID:	120334-08
Date Received:	3/31/2004
Date Prepared:	4/2/2004
Date Analyzed:	4/7/2004
% Solids	-
Dilution Factor	1

Diesel and Motor Oil by NWTPH-Dx Modified with Silica Gel Cleanup

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
o-terphenyl	103		50	150

Analyte	Result (mg/L)	PQL	MRL	Flags
#2 Diesel	0.18	0.281	0.14	J
Motor Oil	ND	0.561	0.281	

STL Seattle

Client Name	Delta Environmental
Client ID:	MW-38
Lab ID:	120334-09
Date Received:	3/31/2004
Date Prepared:	4/2/2004
Date Analyzed:	4/7/2004
% Solids	-
Dilution Factor	1

Diesel and Motor Oil by NWTPH-Dx Modified with Silica Gel Cleanup

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
o-terphenyl	104		50	150

Analyte	Result (mg/L)	PQL	MRL	Flags
#2 Diesel	ND	0.266	0.133	
Motor Oil	ND	0.532	0.266	

STL Seattle

Client Name	Delta Environmental
Client ID:	MW-40
Lab ID:	120334-10
Date Received:	3/31/2004
Date Prepared:	4/2/2004
Date Analyzed:	4/7/2004
% Solids	-
Dilution Factor	1

Diesel and Motor Oil by NWTPH-Dx Modified with Silica Gel Cleanup

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
o-terphenyl	105		50	150

Analyte	Result (mg/L)	PQL	MRL	Flags
#2 Diesel	0.863	0.261	0.13	X1
Motor Oil	3.36	0.521	0.261	

X1 - Chromatogram suggests this might be diesel range contamination with overlap from motor oil range.

STL Seattle

Client Name	Delta Environmental
Client ID:	MW-43
Lab ID:	120334-11
Date Received:	3/31/2004
Date Prepared:	4/2/2004
Date Analyzed:	4/7/2004
% Solids	-
Dilution Factor	1

Diesel and Motor Oil by NWTPH-Dx Modified with Silica Gel Cleanup

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
o-terphenyl	81.7		50	150

Analyte	Result (mg/L)	PQL	MRL	Flags
#2 Diesel	ND	0.258	0.129	
Motor Oil	ND	0.516	0.258	

STL Seattle

Client Name	Delta Environmental
Client ID:	MW-44
Lab ID:	120334-12
Date Received:	3/31/2004
Date Prepared:	4/2/2004
Date Analyzed:	4/7/2004
% Solids	-
Dilution Factor	1

Diesel and Motor Oil by NWTPH-Dx Modified with Silica Gel Cleanup

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
o-terphenyl	76.2		50	150

Analyte	Result (mg/L)	PQL	MRL	Flags
#2 Diesel	ND	0.268	0.134	
Motor Oil	ND	0.535	0.268	

STL Seattle

Client Name	Delta Environmental
Client ID:	MW-45
Lab ID:	120334-13
Date Received:	3/31/2004
Date Prepared:	4/2/2004
Date Analyzed:	4/7/2004
% Solids	-
Dilution Factor	1

Diesel and Motor Oil by NWTPH-Dx Modified with Silica Gel Cleanup

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
o-terphenyl	104		50	150

Analyte	Result (mg/L)	PQL	MRL	Flags
#2 Diesel	0.234	0.24	0.12	J
Motor Oil	ND	0.479	0.24	

STL Seattle

Client Name	Delta Environmental
Client ID:	MW-47
Lab ID:	120334-14
Date Received:	3/31/2004
Date Prepared:	4/2/2004
Date Analyzed:	4/7/2004
% Solids	-
Dilution Factor	1

Diesel and Motor Oil by NWTPH-Dx Modified with Silica Gel Cleanup

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
o-terphenyl	113		50	150

Analyte	Result (mg/L)	PQL	MRL	Flags
#2 Diesel	0.262	0.258	0.129	X1
Motor Oil	0.98	0.515	0.258	

X1 - Chromatogram suggests this might be overlap from motor oil range

STL Seattle

Client Name	Delta Environmental
Client ID:	MW-50
Lab ID:	120334-15
Date Received:	3/31/2004
Date Prepared:	4/2/2004
Date Analyzed:	4/7/2004
% Solids	-
Dilution Factor	1

Diesel and Motor Oil by NWTPH-Dx Modified with Silica Gel Cleanup

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
o-terphenyl	98.6		50	150

Analyte	Result (mg/L)	PQL	MRL	Flags
#2 Diesel	0.867	0.241	0.121	X1
Motor Oil	ND	0.482	0.241	

X1 - Chromatogram suggests this might be jet fuel, kerosene or similar product

STL Seattle

Client Name	Delta Environmental
Client ID:	MW-51
Lab ID:	120334-16
Date Received:	3/31/2004
Date Prepared:	4/2/2004
Date Analyzed:	4/7/2004
% Solids	-
Dilution Factor	1

Diesel and Motor Oil by NWTPH-Dx Modified with Silica Gel Cleanup

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
o-terphenyl	109		50	150

Analyte	Result (mg/L)	PQL	MRL	Flags
#2 Diesel	0.404	0.238	0.119	X2
Motor Oil	0.401	0.476	0.238	J

STL Seattle

Client Name	Delta Environmental
Client ID:	MW-52
Lab ID:	120334-17
Date Received:	3/31/2004
Date Prepared:	4/2/2004
Date Analyzed:	4/7/2004
% Solids	-
Dilution Factor	1

Diesel and Motor Oil by NWTPH-Dx Modified with Silica Gel Cleanup

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
o-terphenyl	115		50	150

Analyte	Result (mg/L)	PQL	MRL	Flags
#2 Diesel	0.462	0.253	0.126	X1
Motor Oil	ND	0.506	0.253	

X1 - Chromatogram suggests this might be jet fuel, kerosene or similar product

STL Seattle

Client Name	Delta Environmental
Client ID:	MW-53
Lab ID:	120334-18
Date Received:	3/31/2004
Date Prepared:	4/2/2004
Date Analyzed:	4/7/2004
% Solids	-
Dilution Factor	1

Diesel and Motor Oil by NWTPH-Dx Modified with Silica Gel Cleanup

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
o-terphenyl	108		50	150

Analyte	Result (mg/L)	PQL	MRL	Flags
#2 Diesel	0.686	0.237	0.118	X1
Motor Oil	ND	0.473	0.237	

X1 - Chromatogram suggests this might be jet fuel, kerosene or similar product

STL Seattle

Client Name	Delta Environmental
Client ID:	SMW-03 MSMSD
Lab ID:	120334-01
Date Received:	3/31/2004
Date Prepared:	4/2/2004
Date Analyzed:	4/2/2004
% Solids	-
Dilution Factor	1

GRO by NWTPH-Gx / Volatile Aromatics by 5030/8260B

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
a,a,a-Trifluorotoluene	109		50	150
1-Chloro-3-fluorobenzene	103		87	115
Bromofluorobenzene	102		87	118
Pentafluorobenzene	107		81	126

Analyte	Result (mg/L)	RL	Flags
Gasoline By NWTPH-G	ND	0.1	
Benzene	ND	0.001	
Toluene	ND	0.001	
Ethylbenzene	ND	0.001	
m&p-Xylene	ND	0.002	
o-Xylene	ND	0.001	

STL Seattle

Client Name	Delta Environmental
Client ID:	MW-03
Lab ID:	120334-02
Date Received:	3/31/2004
Date Prepared:	4/2/2004
Date Analyzed:	4/2/2004
% Solids	-
Dilution Factor	5

GRO by NWTPH-Gx / Volatile Aromatics by 5030/8260B

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
a,a,a-Trifluorotoluene	107		50	150
1-Chloro-3-fluorobenzene	95.8		87	115
Bromofluorobenzene	94.4		87	118
Pentafluorobenzene	97.8		81	126

Analyte	Result (mg/L)	RL	Flags
Gasoline By NWTPH-G	3.04	0.5	
Benzene	0.0571	0.005	
Toluene	ND	0.005	
Ethylbenzene	0.0243	0.005	
m&p-Xylene	0.0184	0.01	
o-Xylene	0.00517	0.005	

STL Seattle

Client Name	Delta Environmental
Client ID:	MW-32A
Lab ID:	120334-03
Date Received:	3/31/2004
Date Prepared:	4/2/2004
Date Analyzed:	4/2/2004
% Solids	-
Dilution Factor	10

GRO by NWTPH-Gx / Volatile Aromatics by 5030/8260B

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
a,a,a-Trifluorotoluene	107		50	150
1-Chloro-3-fluorobenzene	94.7		87	115
Bromofluorobenzene	92.4		87	118
Pentafluorobenzene	95.9		81	126

Analyte	Result (mg/L)	RL	Flags
Gasoline By NWTPH-G	7.31	1	
Benzene	0.0183	0.01	
Toluene	ND	0.01	
Ethylbenzene	0.209	0.01	
m&p-Xylene	0.122	0.02	
o-Xylene	ND	0.01	

STL Seattle

Client Name	Delta Environmental
Client ID:	MW-33
Lab ID:	120334-04
Date Received:	3/31/2004
Date Prepared:	4/2/2004
Date Analyzed:	4/2/2004
% Solids	-
Dilution Factor	5

GRO by NWTPH-Gx / Volatile Aromatics by 5030/8260B

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
a,a,a-Trifluorotoluene	100		50	150
1-Chloro-3-fluorobenzene	92		87	115
Bromofluorobenzene	91.2		87	118
Pentafluorobenzene	92.9		81	126

Analyte	Result (mg/L)	RL	Flags
Gasoline By NWTPH-G	2.68	0.5	
Benzene	0.218	0.005	
Toluene	0.0147	0.005	
Ethylbenzene	0.0532	0.005	
m&p-Xylene	0.073	0.01	
o-Xylene	0.0774	0.005	

STL Seattle

Client Name	Delta Environmental
Client ID:	MW-34
Lab ID:	120334-05
Date Received:	3/31/2004
Date Prepared:	4/2/2004
Date Analyzed:	4/3/2004
% Solids	-
Dilution Factor	50

GRO by NWTPH-Gx / Volatile Aromatics by 5030/8260B

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
a,a,a-Trifluorotoluene	107		50	150
1-Chloro-3-fluorobenzene	96.9		87	115
Bromofluorobenzene	95.2		87	118
Pentafluorobenzene	98		81	126

Analyte	Result (mg/L)	RL	Flags
Gasoline By NWTPH-G	15.1	5	
Benzene	3.06	0.05	
Toluene	0.238	0.05	
Ethylbenzene	0.564	0.05	
m&p-Xylene	0.768	0.1	
o-Xylene	0.0786	0.05	

STL Seattle

Client Name	Delta Environmental
Client ID:	MW-35
Lab ID:	120334-06
Date Received:	3/31/2004
Date Prepared:	4/2/2004
Date Analyzed:	4/2/2004
% Solids	-
Dilution Factor	1

GRO by NWTPH-Gx / Volatile Aromatics by 5030/8260B

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
a,a,a-Trifluorotoluene	106		50	150
1-Chloro-3-fluorobenzene	99.5		87	115
Bromofluorobenzene	97.5		87	118
Pentafluorobenzene	99.4		81	126

Analyte	Result (mg/L)	RL	Flags
Gasoline By NWTPH-G	0.541	0.1	
Benzene	ND	0.001	
Toluene	ND	0.001	
Ethylbenzene	ND	0.001	
m&p-Xylene	ND	0.002	
o-Xylene	ND	0.001	

STL Seattle

Client Name	Delta Environmental
Client ID:	MW-36
Lab ID:	120334-07
Date Received:	3/31/2004
Date Prepared:	4/2/2004
Date Analyzed:	4/2/2004
% Solids	-
Dilution Factor	1

GRO by NWTPH-Gx / Volatile Aromatics by 5030/8260B

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
a,a,a-Trifluorotoluene	116		50	150
1-Chloro-3-fluorobenzene	106		87	115
Bromofluorobenzene	102		87	118
Pentafluorobenzene	110		81	126

Analyte	Result (mg/L)	RL	Flags
Gasoline By NWTPH-G	ND	0.1	
Benzene	ND	0.001	
Toluene	ND	0.001	
Ethylbenzene	ND	0.001	
m&p-Xylene	ND	0.002	
o-Xylene	ND	0.001	

STL Seattle

Client Name	Delta Environmental
Client ID:	MW-37
Lab ID:	120334-08
Date Received:	3/31/2004
Date Prepared:	4/2/2004
Date Analyzed:	4/2/2004
% Solids	-
Dilution Factor	1

GRO by NWTPH-Gx / Volatile Aromatics by 5030/8260B

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
a,a,a-Trifluorotoluene	116		50	150
1-Chloro-3-fluorobenzene	109		87	115
Bromofluorobenzene	108		87	118
Pentafluorobenzene	109		81	126

Analyte	Result (mg/L)	RL	Flags
Gasoline By NWTPH-G	0.572	0.1	
Benzene	0.00577	0.001	
Toluene	ND	0.001	
Ethylbenzene	ND	0.001	
m&p-Xylene	ND	0.002	
o-Xylene	0.00153	0.001	

STL Seattle

Client Name	Delta Environmental
Client ID:	MW-38
Lab ID:	120334-09
Date Received:	3/31/2004
Date Prepared:	4/2/2004
Date Analyzed:	4/2/2004
% Solids	-
Dilution Factor	1

GRO by NWTPH-Gx / Volatile Aromatics by 5030/8260B

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
a,a,a-Trifluorotoluene	105		50	150
1-Chloro-3-fluorobenzene	98.5		87	115
Bromofluorobenzene	96.5		87	118
Pentafluorobenzene	99.2		81	126

Analyte	Result (mg/L)	RL	Flags
Gasoline By NWTPH-G	ND	0.1	
Benzene	ND	0.001	
Toluene	ND	0.001	
Ethylbenzene	ND	0.001	
m&p-Xylene	ND	0.002	
o-Xylene	ND	0.001	

STL Seattle

Client Name	Delta Environmental
Client ID:	MW-40
Lab ID:	120334-10
Date Received:	3/31/2004
Date Prepared:	4/2/2004
Date Analyzed:	4/2/2004
% Solids	-
Dilution Factor	1

GRO by NWTPH-Gx / Volatile Aromatics by 5030/8260B

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
a,a,a-Trifluorotoluene	94.7		50	150
1-Chloro-3-fluorobenzene	84.4	X9	87	115
Bromofluorobenzene	82.6	X9	87	118
Pentafluorobenzene	86.5		81	126

Analyte	Result (mg/L)	RL	Flags
Gasoline By NWTPH-G	0.627	0.1	
Benzene	0.00369	0.001	
Toluene	ND	0.001	
Ethylbenzene	ND	0.001	
m&p-Xylene	ND	0.002	
o-Xylene	ND	0.001	

STL Seattle

Client Name	Delta Environmental
Client ID:	MW-43
Lab ID:	120334-11
Date Received:	3/31/2004
Date Prepared:	4/2/2004
Date Analyzed:	4/2/2004
% Solids	-
Dilution Factor	1

GRO by NWTPH-Gx / Volatile Aromatics by 5030/8260B

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
a,a,a-Trifluorotoluene	108		50	150
1-Chloro-3-fluorobenzene	95.5		87	115
Bromofluorobenzene	93.3		87	118
Pentafluorobenzene	95.7		81	126

Analyte	Result (mg/L)	RL	Flags
Gasoline By NWTPH-G	ND	0.1	
Benzene	ND	0.001	
Toluene	ND	0.001	
Ethylbenzene	ND	0.001	
m&p-Xylene	ND	0.002	
o-Xylene	ND	0.001	

STL Seattle

Client Name	Delta Environmental
Client ID:	MW-44
Lab ID:	120334-12
Date Received:	3/31/2004
Date Prepared:	4/2/2004
Date Analyzed:	4/2/2004
% Solids	-
Dilution Factor	1

GRO by NWTPH-Gx / Volatile Aromatics by 5030/8260B

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
a,a,a-Trifluorotoluene	116		50	150
1-Chloro-3-fluorobenzene	103		87	115
Bromofluorobenzene	101		87	118
Pentafluorobenzene	104		81	126

Analyte	Result (mg/L)	RL	Flags
Gasoline By NWTPH-G	ND	0.1	
Benzene	ND	0.001	
Toluene	ND	0.001	
Ethylbenzene	ND	0.001	
m&p-Xylene	ND	0.002	
o-Xylene	ND	0.001	

STL Seattle

Client Name	Delta Environmental
Client ID:	MW-45
Lab ID:	120334-13
Date Received:	3/31/2004
Date Prepared:	4/2/2004
Date Analyzed:	4/2/2004
% Solids	-
Dilution Factor	1

GRO by NWTPH-Gx / Volatile Aromatics by 5030/8260B

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
a,a,a-Trifluorotoluene	108		50	150
1-Chloro-3-fluorobenzene	94.1		87	115
Bromofluorobenzene	91.8		87	118
Pentafluorobenzene	95.3		81	126

Analyte	Result (mg/L)	RL	Flags
Gasoline By NWTPH-G	0.303	0.1	
Benzene	ND	0.001	
Toluene	ND	0.001	
Ethylbenzene	ND	0.001	
m&p-Xylene	ND	0.002	
o-Xylene	ND	0.001	

STL Seattle

Client Name	Delta Environmental
Client ID:	MW-47
Lab ID:	120334-14
Date Received:	3/31/2004
Date Prepared:	4/2/2004
Date Analyzed:	4/2/2004
% Solids	-
Dilution Factor	1

GRO by NWTPH-Gx / Volatile Aromatics by 5030/8260B

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
a,a,a-Trifluorotoluene	111		50	150
1-Chloro-3-fluorobenzene	94.9		87	115
Bromofluorobenzene	92.9		87	118
Pentafluorobenzene	97.6		81	126

Analyte	Result (mg/L)	RL	Flags
Gasoline By NWTPH-G	0.272	0.1	
Benzene	ND	0.001	
Toluene	ND	0.001	
Ethylbenzene	ND	0.001	
m&p-Xylene	ND	0.002	
o-Xylene	ND	0.001	

STL Seattle

Client Name	Delta Environmental
Client ID:	MW-50
Lab ID:	120334-15
Date Received:	3/31/2004
Date Prepared:	4/2/2004
Date Analyzed:	4/3/2004
% Solids	-
Dilution Factor	5

GRO by NWTPH-Gx / Volatile Aromatics by 5030/8260B

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
a,a,a-Trifluorotoluene	108		50	150
1-Chloro-3-fluorobenzene	97.3		87	115
Bromofluorobenzene	95.4		87	118
Pentafluorobenzene	99.3		81	126

Analyte	Result (mg/L)	RL	Flags
Gasoline By NWTPH-G	3.33	0.5	
Benzene	0.0218	0.005	
Toluene	ND	0.005	
Ethylbenzene	0.0219	0.005	
m&p-Xylene	0.199	0.01	
o-Xylene	0.0274	0.005	

STL Seattle

Client Name	Delta Environmental
Client ID:	MW-51
Lab ID:	120334-16
Date Received:	3/31/2004
Date Prepared:	4/2/2004
Date Analyzed:	4/2/2004
% Solids	-
Dilution Factor	1

GRO by NWTPH-Gx / Volatile Aromatics by 5030/8260B

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
a,a,a-Trifluorotoluene	101		50	150
1-Chloro-3-fluorobenzene	95.1		87	115
Bromofluorobenzene	92.4		87	118
Pentafluorobenzene	96.9		81	126

Analyte	Result (mg/L)	RL	Flags
Gasoline By NWTPH-G	ND	0.1	
Benzene	ND	0.001	
Toluene	ND	0.001	
Ethylbenzene	ND	0.001	
m&p-Xylene	ND	0.002	
o-Xylene	ND	0.001	

STL Seattle

Client Name	Delta Environmental
Client ID:	MW-52
Lab ID:	120334-17
Date Received:	3/31/2004
Date Prepared:	4/2/2004
Date Analyzed:	4/2/2004
% Solids	-
Dilution Factor	1

GRO by NWTPH-Gx / Volatile Aromatics by 5030/8260B

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
a,a,a-Trifluorotoluene	108		50	150
1-Chloro-3-fluorobenzene	96.9		87	115
Bromofluorobenzene	95.2		87	118
Pentafluorobenzene	97.3		81	126

Analyte	Result (mg/L)	RL	Flags
Gasoline By NWTPH-G	0.738	0.1	
Benzene	0.0168	0.001	
Toluene	ND	0.001	
Ethylbenzene	0.0184	0.001	
m&p-Xylene	0.0208	0.002	
o-Xylene	0.00386	0.001	

STL Seattle

Client Name	Delta Environmental
Client ID:	MW-53
Lab ID:	120334-18
Date Received:	3/31/2004
Date Prepared:	4/2/2004
Date Analyzed:	4/3/2004
% Solids	-
Dilution Factor	5

GRO by NWTPH-Gx / Volatile Aromatics by 5030/8260B

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
a,a,a-Trifluorotoluene	111		50	150
1-Chloro-3-fluorobenzene	100		87	115
Bromofluorobenzene	99.8		87	118
Pentafluorobenzene	101		81	126

Analyte	Result (mg/L)	RL	Flags
Gasoline By NWTPH-G	3.58	0.5	
Benzene	0.257	0.005	
Toluene	0.0497	0.005	
Ethylbenzene	0.125	0.005	
m&p-Xylene	0.155	0.01	
o-Xylene	0.0498	0.005	

STL Seattle

Client Name	Delta Environmental
Client ID:	DUP-01
Lab ID:	120334-19
Date Received:	3/31/2004
Date Prepared:	4/2/2004
Date Analyzed:	4/3/2004
% Solids	-
Dilution Factor	5

GRO by NWTPH-Gx / Volatile Aromatics by 5030/8260B

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
a,a,a-Trifluorotoluene	109		50	150
1-Chloro-3-fluorobenzene	99		87	115
Bromofluorobenzene	97		87	118
Pentafluorobenzene	101		81	126

Analyte	Result (mg/L)	RL	Flags
Gasoline By NWTPH-G	2.95	0.5	
Benzene	0.215	0.005	
Toluene	0.0188	0.005	
Ethylbenzene	0.0585	0.005	
m&p-Xylene	0.0896	0.01	
o-Xylene	0.0877	0.005	

STL Seattle

Lab ID:	Method Blank - DW0599
Date Received:	-
Date Prepared:	4/2/2004
Date Analyzed:	4/7/2004
% Solids	-
Dilution Factor	1

Diesel and Motor Oil by NWTPH-Dx Modified with Silica Gel Cleanup

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
o-terphenyl	100		50	150

Analyte	Result (mg/L)	PQL	MRL	Flags
#2 Diesel	ND	0.25	0.125	
Motor Oil	ND	0.5	0.25	

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID: DW0599
Date Prepared: 4/2/2004
Date Analyzed: 4/7/2004
QC Batch ID: DW0599

Diesel and Motor Oil by NWTPH-Dx Modified with Silica Gel Cleanup

Compound Name	Blank Result (mg/L)	Spike Amount (mg/L)	BS Result (mg/L)	BS % Rec.	BSD Result (mg/L)	BSD % Rec.	RPD	Flag
#2 Diesel	0	5	5.62	112	4.99	99.7	-12	
Motor Oil	0	5	5.26	105	4.79	95.7	-9.3	

STL Seattle

Lab ID:	Method Blank - GB3767
Date Received:	-
Date Prepared:	4/2/2004
Date Analyzed:	4/2/2004
% Solids	-
Dilution Factor	1

GRO by NWTPH-Gx / Volatile Aromatics by 5030/8260B

Surrogate	% Recovery	Flags	Recovery Limits	
			Low	High
a,a,a-Trifluorotoluene	98.9		50	150
1-Chloro-3-fluorobenzene	97.1		87	115
Bromofluorobenzene	96.4		87	118
Pentafluorobenzene	89.5		81	126

Analyte	Result (mg/L)	RL	Flags
Gasoline By NWTPH-G	ND	0.1	
Benzene	ND	0.001	
Toluene	ND	0.001	
Ethylbenzene	ND	0.001	
m&p-Xylene	ND	0.002	
o-Xylene	ND	0.001	

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID: GB3767
Date Prepared: 4/2/2004
Date Analyzed: 4/2/2004
QC Batch ID: GB3767

GRO by NWTPH-Gx / Volatile Aromatics by 5030/8260B

Compound Name	Blank Result (mg/L)	Spike Amount (mg/L)	BS Result (mg/L)	BS % Rec.	BSD Result (mg/L)	BSD % Rec.	RPD	Flag
Gasoline By NWTPH-G	0	1.25	1.19	95.4	1.19	95.1	-0.31	
Benzene	0	0.0155	0.0172	111	0.0171	110	-0.9	
Toluene	0	0.0945	0.0762	80.6	0.0762	80.6	0	n
Ethylbenzene	0	0.0223	0.0176	79	0.0179	80.5	1.9	
m&p-Xylene	0	0.0782	0.0623	79.7	0.0625	79.9	0.25	n
o-Xylene	0	0.0314	0.0243	77.5	0.0246	78.3	1	n

STL Seattle

Matrix Spike/Matrix Spike Duplicate Report

Client Sample ID: SMW-03 MSMSD
Lab ID: 120334-01
Date Prepared: 4/2/2004
Date Analyzed: 4/2/2004
QC Batch ID: GB3767

GRO by NWTPH-Gx / Volatile Aromatics by 5030/6260B

Compound Name	Sample Result (mg/L)	Spike Amount (mg/L)	MS Result (mg/L)	MS % Rec.	MSD Result (mg/L)	MSD % Rec.	RPD	Flag
Gasoline By NWTPH-G	0	1.25	1.2	96.1	1.26	101	5	
Benzene	0	0.0155	0.018	116	0.0181	117	0.86	
Toluene	0	0.0945	0.0841	89	0.0845	89.4	0.45	
Ethylbenzene	0	0.0223	0.0195	87.4	0.02	89.5	2.4	
m&p-Xylene	0	0.0782	0.0687	87.9	0.0693	88.6	0.79	
o-Xylene	0	0.0314	0.0269	85.7	0.0273	87	1.5	

STL Seattle

Duplicate Report

Client Sample ID: MW-50
Lab ID: 120334-15
Date Prepared: 4/2/2004
Date Analyzed: 4/3/2004
QC Batch ID: GB3767

GRO by NWTPH-Gx / Volatile Aromatics by 5030/8260B

Parameter Name	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD %	Flag
Gasoline By NWTPH-G	3.33	3.44	-3.2	
Benzene	0.0218	0.0229	-4.9	
Toluene	0	0	NC	
Ethylbenzene	0.0219	0.0223	-1.8	
m&p-Xylene	0.199	0.211	-5.9	
o-Xylene	0.0274	0.0296	-7.7	

DATA QUALIFIERS AND ABBREVIATIONS

- B1: This analyte was detected in the associated method blank. The analyte concentration was determined not to be significantly higher than the associated method blank (less than ten times the concentration reported in the blank).
- B2: This analyte was detected in the associated method blank. The analyte concentration in the sample was determined to be significantly higher than the method blank (greater than ten times the concentration reported in the blank).
- C1: Second column confirmation was performed. The relative percent difference value (RPD) between the results on the two columns was evaluated and determined to be < 40%.
- C2: Second column confirmation was performed. The RPD between the results on the two columns was evaluated and determined to be > 40%. The higher result was reported unless anomalies were noted.
- C3: Second analysis confirmation was performed. The relative percent difference value (RPD) between the results on the two columns was evaluated and determined to be ≤ 30%.
- C4: Second analysis confirmation was performed. The RPD between the results on the two columns was evaluated and determined to be > 30%. The presence of this analyte was not verified per WAC 246-290-010. The original analysis was reported unless anomalies were noted.
- M: GC/MS confirmation was performed. The result derived from the original analysis was reported.
- D: The reported result for this analyte was calculated based on a secondary dilution factor.
- E: The concentration of this analyte exceeded the instrument calibration range and should be considered an estimated quantity.
- J: The analyte was analyzed for and positively identified, but the associated numerical value is an estimated quantity.
- MCL: Maximum Contaminant Level
- MDL: Method Detection Limit
- MRL: Method Reporting Limit
- N: See analytical narrative
- ND: Not Detected
- PQL: Practical Quantitation Limit
- X1: Contaminant does not appear to be "typical" product. Elution pattern suggests it may be _____.
- X2: Contaminant does not appear to be "typical" product.
- X3: Identification and quantitation of the analyte or surrogate was complicated by matrix interference.
- X4: RPD for duplicates was outside advisory QC limits. The sample was re-analyzed with similar results. The sample matrix may be nonhomogeneous.
- X4a: RPD for duplicates outside advisory QC limits due to analyte concentration near the method practical quantitation limit/detection limit.
- X5: Matrix spike recovery was not determined due to the required dilution.
- X6: Recovery and/or RPD values for matrix spike/(matrix spike duplicate) outside advisory QC limits. Sample was re-analyzed with similar results.
- X7: Recovery and/or RPD values for matrix spike/(matrix spike duplicate) outside advisory QC limits. Matrix interference may be indicated based on acceptable blank spike recovery and/or RPD.
- X7a: Recovery and/or RPD values for this spiked analyte outside advisory QC limits due to high concentration of the analyte in the original sample.
- X8: Surrogate recovery was not determined due to the required dilution.
- X9: Surrogate recovery outside advisory QC limits due to matrix interference.



Delta
Environmental
Consultants, Inc.

Chain of Custody Record
Project Name: 800 Westlake - 255353 WASHINGTON
Delta Portfolio: Conoco-Phillips
Lab Work Order Number: 0980DELU01
Requested Due Date (mm/dd/yy): Standard TAT

On-site Time: _____ Temp: _____
Off-site Time: _____ Temp: _____
Sky Conditions: _____
Meteorological Events: _____
Wind Speed: _____ Direction: _____

Send To:	Severn Trent (STL)	Conoco Phillips Facility No.:	255353 Seattle	Consultant/Contractor:	Delta Environmental Consultants														
Lab Name:	600 Westlake Ave North	Facility Address:	Seattle, WA	Address:	17720 NE 65th Street - Suite 201														
Lab Address:	Seattle, WA	Site ID No.:		Redmond, WA 98052															
Lab P#: Tom Coyner		Site Lat/Long:		e-mail EDD: educkler@delaenv.com / elarsen@delhaenv.com															
Lab P#: (233) 922 - 2310 / 5047		California Global ID #:		Consultant/Contractor Project No.:	WA25-535-1														
Report Type & QC Level:	None	Address:	Conoco Phillips PM	Consultant/Contractor Tel/Fax:	(425) 558-0134 / 869-7494														
Delta Project Number:	WA25-535-1	Address:	Conoco Phillips	Consultant/Contractor P.M.:	Eric Larson														
Lab Bottle Order No.:		Address:		Invoice to:	Conoco Phillips														
Item No.	Sample Description	Time	Soil/Solid	Water/Liquid	Sediments	Air	Laboratory No.	No. of container:	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NW - TPH-Gx	NW - TPH-Dx	BTEX - 8260	MTBE - 8260	Requested Analysis	Sample Point Lat/Long and Comments	
1	MW-43	1435	X	X				4	1				X	X	X	X			NW-TPH-Dx w/ silica gel cleanup
2	MW-44	1135	X	X				4	1				X	X	X	X			
3	MW-45	1200	X	X				4	1				X	X	X	X			
4	MW-47	1215	X	X				4	1				X	X	X	X			
5	MW-50	1045	X	X				4	1				X	X	X	X			
6	MW-51	1105	X	X				4	1				X	X	X	X			
7	MW-52	1345	X	X				4	1				X	X	X	X			
8	MW-53	1415	X	X				4	1				X	X	X	X			
9	DUP-01	1245	X	X				3					X	X	X	X			
10																			

Sampler's Name: LAURE BAKE Retiquated By / Amplification: None Date: 1-3-19
 Shipper's Company: Delta Environmental Shipper's Name: Eric Larson Date: 1-3-19
 Shipment Date: 1-3-19
 Shipment Method: Hand Delivery
 Shipment Tracking No.: NW - TPH-Dx with Acid / Silica Gel Cleanup
 Special Instructions: NW - TPH-Dx with Acid / Silica Gel Cleanup
 Custody Seals In Place Yes No Temperature Blank Yes No Cooler Temperature on Receipt 0 F/C Trip Blank Yes No

11
12
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Delta
Environmental
Consultants, Inc.

Chain of Custody Record
Project Name: 600 Westlake - 255353
Delta Portfolio: WASHINGTON
Lab Work Order Number: 0960DEL001
Requested Due Date (mm/dd/yy): Standard TAT

On-site Time: _____ Temp: _____
Off-site Time: _____ Temp: _____
Sky Conditions: _____
Meteorological Events: _____
Wind Speed: _____ Direction: _____

*SEE
EAM*

Send To:	Severn Trent (STL)	Conoco Phillips Facility No.:	255353 Seattle	Consultant/Contractor:	Delta Environmental Consultants										
Lab Name:	600 Westlake Ave. North	Facility Address:	Seattle, WA	Address:	17720 NE 65th Street - Suite 201										
Lab Address:	Seattle, WA	Site ID No.:		e-mail EDD:	educkler@delaenv.com										
Lab P.M.:	Tom Coyner	California Global ID #:		Consultant/Contractor Project No.:	WA25-535-1										
Tele/Fax:	(253) 922-2310 / 5047	Conoco Phillips PM		Consultant/Contractor Tele/Fax:	(425) 558-0134 / 869-7494										
Report Type & QC Level:	Note	Address:		Consultant/Contractor PM:	Eric Larson										
Delta Project Number:	WA25-535-1	Tele/Fax:		Work Release No.:	None										
Lab Bottle Order No.:															
Item No.	Sample Description	Time	Matrix	Laboratory No.	No. of containers	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Preservatives	Requested Analysis	Sample Point Lat/Long and Comments			
1	SMW-03 MSMSD	1515	X		4	1						NW - TPH-Dx w/slices goal cleanups			
2	MW-03	1145	X		4	1									
3	MW-32A	1330	X		4	1									
4	MW-33	1010	X		4	1									
5	MW-34	1400	X		4	1									
6	MW-35	1630	X		4	1									
7	MW-36	1235	X		4	1									
8	MW-37	950	X		4	1									
9	MW-38	1300	X		4	1									
10	MW-40	1040	X		4	1									
Sampler's Name: Laura Beck		Adeo Starr		Relinquished By / Affiliation		Date		Time		Accepted By / Affiliation		Date		Time	
Sampler's Company: Delta Environmental		Adeo Starr/Delta		Adeo Starr/Delta		3-5-04				R. P. Doe		3/21		11:55	
Shipment Date:		Hazard Delivery		Shipment Method:		Shipment Tracking No.:		Special Instructions:		NW - TPH-Dx with Acid / Silica Gel Cleanup.		Custody Seals In Place Yes		No	
Temperature Blank Yes		No		Cooler Temperature on Receipt		°F/C		Trip Blank Yes		No					

delaenv.com

GROUNDWATER SAMPLING PROCEDURES AND FIELD SHEETS

ConocoPhillips Quarterly Groundwater Sampling
Site No. 255353

GROUNDWATER MONITORING AND SAMPLING

Before the sampling event, Delta measured depth to water in each groundwater monitoring well at the facility with an electronic water level meter. This information was recorded on waterproof field sheets. Groundwater elevations (GWE) were measured to an accuracy of 0.01 feet. Wells were sampled after purging three casing volumes of water from the well (or until dry). After the well had recharged to approximately 80% of static level, samples were collected using a disposable polyethylene bailer and placed in the appropriate laboratory-provided container. Samples were labeled, placed into ice filled coolers, logged onto chain-of-custody forms and transported to the laboratory.

GROUNDWATER SAMPLING FIELD SHEET

DELTA PROJECT NUMBER: WA25-353-1 CLIENT: Conoco-Phillips
 SITE No./JOB No.: 255353 Seattle PAGE: 1 of 2
 SITE ADDRESS/LOCATION: 600 Westlake Ave N. Seattle, WA DATE: 3-30-04
 FIELD TECHNICIAN(S): Alan Starr + Laura Brock WEATHER: cloudy

Dup = MW33

Well ID	Time	Well Diameter (in.)	Depth to LPH (feet)	Depth to Water (feet)	Total Depth (feet)	Calc. Purge (gal)	Actual Purge (gal)	Purge Method (B/LF/P)	Sample Appearance/Comments
SMW-03	1515	2		10.42	33.79	11.90	12	B	
MW-03	1145	2		9.90	13.20	3.3	2	B	
MW-32A	1330	2		12.39	24.3	6.1	7	B	
MW-33	1010	2		12.49	24.9	6.3	7	B	
MW-34	1400	2		12.62	25.2	6.4	7	B	
MW-35	1030	4		11.69	22.3	5.4	6.2	B	damage to well cover
MW-36	1235	2		9.46	18.25	4.5	3.5	B	slight sheen
MW-37	950	2		12.73	24.9	3.2	4	B	
MW-38	1300	2		8.09	19.91	6.0	3.7	B	
MW-40	1040	2		11.55	19.0	3.8	4	B	slight sheen/black sediment sludge

Bioparameter / Water Quality Measurements: (Pre-Purge / Post-Purge / Low-flow Cell)

Well ID	pH	COND (ms/cm)	TURB. (NTU)	DO (mg/L)	TEMP (°C/°F)	TDS (g/L)	ORP (mV)	Comments
SMW-03	XXX	XXX	XXX	2.1		XXX	XXX	
MW-03	XXX	XXX	XXX	0.79		XXX	XXX	
MW-32A	XXX	XXX	XXX	2.43		XXX	XXX	
MW-33	XXX	XXX	XXX	1.72		XXX	XXX	
MW-34	XXX	XXX	XXX	1.68		XXX	XXX	
MW-35	XXX	XXX	XXX	1.46		XXX	XXX	
MW-36	XXX	XXX	XXX	1.10		XXX	XXX	
MW-37	XXX	XXX	XXX	1.5		XXX	XXX	
MW-38	XXX	XXX	XXX	0.90		XXX	XXX	
MW-40	XXX	XXX	XXX	1.71		XXX	XXX	

System Instructions:
 Remedial System On-Site (Y/N)? _____ Comments: _____
 Operational Upon Arrival (Y/N)? _____ Comments: _____
 Shut Down System 1 / 24 hours before Gauging (Y/N)? NO Time/Date Downed: NA
 Re-Start System (Y/N)? NA Time/Date Restarted: NA

Purge Water Disposal Method:
 Treated through Mobile Carbon Treatment Unit and Discharged onsite.
 Placed in drums on site No. of drums: _____
 Transported off-site for treatment Facility/Location: _____
 (Attach Bill of Lading) Hauler: _____

Instrument Calibration:
 Horiba U-22 (Calibration Check): pH (4.00 ref.) Cond. (4.49 ref.) Turb. (0.0 ref.)
 DO Meter: mg/L % Saturation Temp
 PID: ppm (100 ppm Isobutylene Calibration Gas)

11.81
19.14
~~10.81~~
18.63

DELTA PROJECT NUMBER: WA25-353-1 CLIENT: Conoco-Phillips
 SITE No./JOB No.: 255353 Seattle PAGE: 2 of 2
 SITE ADDRESS/LOCATION: 600 Westlake Ave N. Seattle, WA DATE: 3-30-04
 FIELD TECHNICIAN(S): Alan Starr + Laura Brock WEATHER: cloudy

MW 48
abandoned
or destroyed

Well ID	Time	Well Diameter (in.)	Depth to LPH (feet)	Depth to Water (feet)	Total Depth (feet)	Calc. Purge (gal)	Actual Purge (gal)	Purge Method (B/LF/P)	Sample Appearance/Comments
MW-43	1435	2	1	11.95	21.70	4.9	5	B	
MW-44	1135	2		10.01	19.82	5.0	5	B	
MW-45	1200	2	18.7	12.14	18.7	4.3	5	B	
MW-47	1215	2		11.81	19.14	3.7	4	B	
MW-50	1045	2	30.83	11.65	18.03	3.3	4	B	
MW-51	1105	2	15	12.89	15.1	1.5	2	B	Depth to H ₂ O 12.22
MW-52	1345	2	4.5	11.47	17.5	3.17	4	B	gray sediment
MW-53	1415	2	26	12.26	20	3.9	4	B	
MW 48		2		10.81	18.63	3.9	4		

Bioparameter / Water Quality Measurements: (Pre-Purge / Post-Purge / Low-flow Cell)

Well ID	pH	COND (ms/cm)	TURB. (NTU)	DO (mg/L)	TEMP (°C / °F)	TDS (g/L)	ORP (mV)	Comments
MW-43	XXX	XXX	XXX	1.76		XXX	XXX	
MW-44	XXX	XXX	XXX	1.9		XXX	XXX	
MW-45	XXX	XXX	XXX	0.84		XXX	XXX	
MW-47	XXX	XXX	XXX	1.21		XXX	XXX	
MW-50	XXX	XXX	XXX	1.69		XXX	XXX	
MW-51	XXX	XXX	XXX	1.56		XXX	XXX	
MW-52	XXX	XXX	XXX	1.31		XXX	XXX	
MW-53	XXX	XXX	XXX	1.28		XXX	XXX	

System Instructions:
 Remedial System On-Site (Y/N)? _____ Comments:
 Operational Upon Arrival (Y/N)? _____ Comments:
 Shut Down System 1 / 24 hours before Gauging (Y/N)? NO Time/Date Downed: NA
 Re-Start System (Y/N)? NA Time/Date Restarted: NA

Purge Water Disposal Method:
 Treated through Mobile Carbon Treatment Unit and Discharged onsite.
 Placed in drums on site No. of drums:
 Transported off-site for treatment Facility/Location:
 (Attach Bill of Lading) Hauler:

Instrument Calibration:
 Horiba U-22 (Calibration Check): pH (4.00 ref.) Cond. (4.49 ref.) Turb. (0.0 ref.)
 DO Meter: mg/L % Saturation Temp
 PID: ppm (100 ppm Isobutylene Calibration Gas)